

DEPARTMENT OF WATER RESOURCES

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SENT VIA EMAIL

February 21, 2019

Mr. Jim Barrett
General Manager
Coachella Valley Water District
Post Office Box 1058
Coachella, California 92236

Subject: Coachella Valley IRWM Plan Draft Review

Dear Mr. Barrett:

Attached please find the Department of Water Resources (DWR) draft review of the Coachella Valley Integrated Regional Water Management (IRWM) Plan. DWR has determined that the Coachella Valley IRWM 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 February 25, 2019. The Draft Review will be available for public comment 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>.

After the public comment period ends, the link to the draft review will become inactive on the website. DWR will consider any comments received and we will work with you on any followup action if required 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,

A handwritten signature in blue ink, appearing to read "Carmel Brown".

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

cc: Terri Vorster
Coachella Valley Water District

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 Review Form

(Per 2016 Plan Standards)

IRWM Planning Region:

Colorado River

Regional Water Management Group:

Coachella Valley

IRWM Plan Title:

2018 Coachella Valley Integrated Regional Water Management & Stormwater Resource Plan

RESULT: PLAN IS SUFFICIENT

IRWM Plan Standard	Overall Standard Sufficient (yes/no)
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

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	y/n	y	Table 7.1 Section 7.7,		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	Section 1.4.2, 1.4.4		y
A description of how the chosen form of governance addresses and insures:						
Public outreach and involvement processes	37	y/n/q	y	Section 7.2.1	The Coachella Valley Regional Water Management Group (CVRWMG) has adopted a stakeholder outreach and involvement approach that increases transparency and involvement. All are invited to attend public meetings and workshops. The region's IRWM group developed a public Outreach Plan.	y
Effective decision making	37	y/n/q	y	Section 7.2 & 7.3	The decision process outlined in the Plan is based on consensus of the CVRWMG. Decisions by the CVRWMG are made based on agreement of all parties. A chart that depicts the decision making process for the general public and stakeholder is shown (Figure 7-1).	y
Balanced access and opportunity for participation in the IRWM process	37	y/n/q	y	Section 7.4	Current governance structure allows for the participation of all interested groups to take part in the development and implementation of the Plan. The stakeholders involved and invited to the process are presented. All interested groups and individuals are able to take part in the development of the IRWM plan and attend public meetings and workshops.	y
Effective communication – both internal and external to the IRWM region	37	y/n/q	y	Section 7.4, 7.4.4	The CVRWMG's outreach includes the CVRWMG website, fliers, notices, press releases, on-line project database, and correspondence via e-mail blasts. The CVRWMG communicates through phone calls, email, office visits, the CVRWMG website, fliers, notices, press releases, and on-line project database. Outreach to different participants in the IRWM process is tailored to each group.	y
Long term implementation of the IRWM Plan	37	y/n/q	y	Section 7.8	The MOU among CVRWMG agencies allows for continued and on-going IRWM coordination efforts	y

IRWM Plan Standard: Governance				Overall Standard Sufficient		
Requirement		Included		Evidence of Plan Sufficiency		
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	Sufficient
						y/n
Coordination with neighboring IRWM efforts and State and federal agencies	37	y/n/q	y	Sections 4.4.2 and 10.1, pages 10-1 to 10-6	Section 10.1 describes coordination efforts with organizations and agencies outside of the CV IRWM region by the adjacent IRWM regions. Government agencies participate as Planning Partners and stakeholders. Neighboring IRWM regions are invited to attend Planning Partners meetings, public meetings, and workshops. Members of neighboring regions are considered members of the Planning Partners.	y
The collaborative process(es) used to establish plan objectives	38	y/n/q	y	Section 6.1.1	The process for developing objectives was influenced by public input through a succession of public workshops and meetings that took place in 2010. Five issue groups were formed to identify, discuss and prioritize various water resource issues. The groups developed the list of issues that led to the identified objectives.	y
How interim changes and formal changes to the IRWM Plan will be performed	38	y/n/q	y	Section 7.8.1	The Plan will be formally updated every five years or in accordance with DWR's IRWM planning cycle. Formal updates must be based on a stakeholder-driven, consensus based process involving the Planning Partners, Issues Groups, and general public. Formal updates must include a public review period with changes incorporated in accordance with the judgment of the CVRWMG partners. Other processes are in place for interim changes.	y
Updating or amending the IRWM Plan	38	y/n/q	y	Section 7.8.1	Section 7.8.1 outlines protocol of how non-substantive changes, additional information availability by addendum, informal updates and substantive changes, and formal changes could be made.	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: 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	Section 6 page 6-3, section 8 (table 8-2) & Section 11		y
Describe watersheds and water systems	38	y/n	y	Section 2.2		y
Describe internal boundaries	38	y/n	y	Section 2.3		y
Describe water supplies and demands for minimum 20 year planning horizon	38	y/n	y	Section 2.4		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	Section 2.6, Chapter 4; Chapter 5	Section 2.6 describes social make-up, cultural make-up and diversity, economic profile, disadvantaged communities, and tribes in the region. Chapters 4 and 5 describe water challenges of DACs and Tribal communities respectively.	y
Describe major water related objectives and conflicts (1).	38	y/n/q	y	Section 2.7, Section 6.1.1	Major water conflicts have generally revolved around groundwater recharge and pumping activities and associated assessments.	y
Explain how IRWM regional boundary was determined and why region is an appropriate area for IRWM planning.	38	y/n/q	y	Section 2 & 2.1	The regional boundary was selected because it encompasses the Coachella Valley and allows for the inclusion of all pertinent agencies and stakeholders interested in water management. The boundary selected also shares a common water supply, wastewater, and flood control infrastructure, and the Coachella Valley Groundwater Basin and aquifers are hydrologically distinct with those of the neighboring IRWM regions.	y
Describe neighboring and/or overlapping IRWM efforts	38	y/n	y	Section 10.1.2		y
Explain how opportunities are maximized (e.g. people at the table, natural features, infrastructure) for integration of water management activities	38	y/n	y	Section 9.2.2		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	Section 2.5 water Quality, Section 3.1.5		y

IRWM Plan Standard: Region Description				Overall Standard Sufficient	
Requirement		Included		Evidence of Plan Sufficiency	
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
Describe likely Climate Change impacts on their region as determined from the vulnerability assessment.	38	y/n	y	Section 3.2	

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	Section 6.1.1		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	Section 6.1.2,		y
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	y/n/q	y	Section 6.1.3	Table 6-1 summarizes the region's objectives and planning targets. Targets include a measurement column.	y
Explain how objectives are prioritized or reason why the objectives are not prioritized	50	y/n/q	y	Section 6.2, 6.2.1	Through facilitated meetings to discuss project prioritization, the CVRWMG, Planning Partners, and stakeholders determined the regional goals and objectives. The region's participants selected nine objectives as priorities.	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	Section 6.1, pages 6-1 to 6-6		y
Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.	39	y/n	y	Section 3.2.3 pages 8-47, 8-50, 9-23		y
Consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	39	y/n	y	Section 3.2.2		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
Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	39	y/n	y	Section 8.5		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	Section 3.2.3, Table 6-1		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	Section 3.2.3, 6-4, 8-48-49		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		
Requirement		Included		Evidence of Plan Sufficiency		
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	Yes Sufficient y/n
Address which RMS will be implemented in achieving IRWM Plan Objectives (1).	39	y/n	y	Sectio 8.2.2		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	Section 8.5 & Table 8-3		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	Section 8.5 & Table 8-3		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		
From IRWM 2016 Guidelines		y/n - Present/Not Present in the IRWM Plan. If y/n/q, qualitative evaluation needed.		Brief Qualitative Evaluation		
IRWM 2016 Guidelines Page Number				Sufficient		
				y/n		
Contains structure and processes for developing and fostering integration ¹ : - Stakeholder/institutional - Resource - Project implementation		39	y/n/q	Section 8.1 & 9.2.2	The Plan describes the region IRWM integration approach, integration stakeholder/institutional, resource, project, and strategy integration.	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	Section 9.2 & 9.3		y
Does the project review process in the plan incorporate the following factors:						
How a project contributes to plan objectives	40	y/n	y	Section 9.2.3,		y
How a project is related to Resource Management Strategies identified in the plan.	40	y/n	y	Section 9.2.3,		y
The technical feasibility of a project.	40	y/n	y	Section 9.2.3		y
A projects specific benefits to a DAC water issue.	40	y/n	y	Section 9.2.3		y
Environmental Justice considerations.	40	y/n	y	Section 9.2.3		y
Project costs and financing	40	y/n	y	Section 9.2.3		y
Address economic feasibility	40	y/n	y	Section 9.2.3		y
Project status	40	y/n	y	Section 9.2.3		y
Strategic implementation of plan and project merit	40	y/n	y	Section 9.2.3		y
Status of the Project Proponent's IRWM plan adoption	40	y/n	y	Section 9.2.3		y
Project's contribution to reducing dependence on Delta supply (for IRWM regions receiving water from the Delta).	40	y/n	y	Section 9, page 9-1 table 9- 2 ; Table 9-3; & Section 11		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	Section 2.8, (pg. 2-78, 2-80) Section 8.5 (pg 8-47), and Section 9.2.3 (pg 9-23)		y

IRWM Plan Standard: Project Review Process				Overall Standard Sufficient		
Requirement		Included		Evidence of Plan Sufficiency		
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	Yes Sufficient y/n
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	pg. 9-23		y
Specific benefits to critical water issues for Native American tribal communities.	53	y/n	y	Sections 4.3.6, 4.4.3, 5.4, 9.1, 9.2.3		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	
Requirement		Included		Evidence of Plan Sufficiency	
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
					Sufficient
					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	Section 11.1	y
State when a more detailed project-specific impact and benefit analysis will occur (prior to any implementation activity)	55	y/n	y	Section 11.1.1-11.1.2	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	Section 11.1	y

IRWM Plan Standard: Plan Performance and Monitoring				Overall Standard Sufficient		
Requirement		Included		Evidence of Plan Sufficiency		
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	Yes Sufficient y/n
Contain performance measures and monitoring methods to ensure that IRWM objectives are met (1) .	40	y/n	y	Section 6.1.3; table 6-1		y
Contain a methodology that the RWMG will use to oversee and evaluate implementation of projects.	40	y/n	y	Section 1.4.1, table 6-1		y
Each project in the IRWM Plan is monitored to comply with all applicable rules, laws, and permit requirements.	58	y/n	y	Section 11.4.2		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	Section 8-5 (pg 8-50)		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		
Requirement		Included		Evidence of Plan Sufficiency		
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	Yes Sufficient y/n
Describe data needs within the IRWM region	59 - 60	y/n	y	Section 11.3.1		y
Describe typical data collection techniques	59 - 60	y/n	y	Section 11.3.2		y
Describe stakeholder contributions of data to a data management system	59 - 60	y/n	y	Section 11.3.3		y
Describe the entity responsible for maintaining data in the data management system	59 - 60	y/n	y	Section 11.3.4		y
Describe the QA/QC measures for data	59 - 60	y/n	y	Section 11.3.5		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	Section 11.3.6 & 11.3.7		y
Explain how the Data Management System supports the RWMG's efforts to share collected data	59 - 60	y/n	y	Section 11.3.6		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	Section 11.3.7		y

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

IRWM Plan Standard: Finance				Overall Standard Sufficient		
Requirement		Included		Evidence of Plan Sufficiency		
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	Yes Sufficient 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	Section 11.5		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	Section 11.5.1		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	Section 11.5.1, Table 11-4		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	Section 11.5.1		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	Section, 11.5.1; 4.4.3		Y

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

IRWM Plan Standard: Technical Analysis				Overall Standard Sufficient	
Requirement		Included		Evidence of Plan Sufficiency	
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
Document the data and technical analyses that were used in the development of the plan (1) .	41	y/n	y	Section 3.3	

(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	Section 10.1, Section 10.2,		Y
Describe the dynamics between the IRWM plan and other planning documents	41	y/n	y	Section 10.2,		Y
Describe how the RWMG will coordinate its water mgmt planning activities	41	y/n	y	Section 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	Section 10.2.1		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	Section 10.2; 10.2.3		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		
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	Brief Qualitative Evaluation	Sufficient
						y/n
Document current relationship between local land use planning, regional water issues, and water management objectives	41	y/n	y	Section 10.3.2, page 10-44		Y
Document future plans to further a collaborative, proactive relationship between land use planners and water managers	41	y/n	y	Section 10.3.2		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	Section 10.1.3		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		
Requirement		Included		Evidence of Plan Sufficiency		
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	Yes Sufficient
						y/n
Discuss involvement of DACs and tribal communities in the IRWM planning effort	41 - 42	y/n	y	Sections 2.6, 4.2, 5.1, 5.4.1, 7.2.1, 7.5, 7.6 & 10.1.3		y
Describe decision-making process and roles that stakeholders can occupy	41 - 42	y/n	y	Section 7.2 & 7.3; Figure 7-1		y
Discuss how stakeholders are necessary to address objectives and RMS	41 - 42	y/n	y	Sections 6, 8.3 & 9.2.3,		y
Discuss how a collaborative process will engage a balance in interest groups	41 - 42	y/n	y	Sections 7.1 & 8.1.1,		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	Section 4.1.2, 4.1.3, Section 7.2.1, 7.6		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	Section 72, 7.3, 7.4		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 (g).

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

IRWM Plan Standard: Coordination				Overall Standard Sufficient	
Requirement		Included		Evidence of Plan Sufficiency	
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		Sections 9.2.2, 10.1.1 & 10.1.3 & 10.2	
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		Section 10.1.2	
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		Section 10.1.3, pages 10-8 to 10-12	

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

IRWM Plan Standard: Climate Change				Overall Standard Sufficient	
Requirement		Included		Evidence of Plan Sufficiency	
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	Section 8.5		Y
Include climate change as part of the project review process.	42 - 44	y/n	Section 8.5, 9.2.3 & 11.3		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	Section 3.2.2 Table 3-4, pgs. 3-38-43, Section 3.2.3 3-44, Table 3-5, 10.2.3	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	Section 8.5	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	Section 3.2.3, Table 3-5	y
Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge.	42 - 44	y/n	y	Section 2.8.2, Table 6-1	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	y	Section 3.2.3, Table 3-5	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).