

DEPARTMENT OF WATER RESOURCES

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SENT VIA EMAIL

October 22, 2018

Mr. Scott Matyac
Water Resources Manager
Yuba Water Agency
1220 F Street
Marysville, California 95901

Subject: Final Review – Yuba County IRWM Plan

Dear Mr. Matyac:

This letter transmits the final review of consistency of the Yuba County 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) finished the draft review of the Plan and determined it to be consistent with the Guidelines. The draft Plan was then posted on DWR's website from September 15, 2018 to October 15, 2018 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,

A handwritten signature in blue ink that reads "Carmel Brown".

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:

Yuba County Integrated Regional Water Management (IRWM) Region

Regional Water Management Group:

Yuba County IRWM Group

IRWM Plan Title:

Yuba County IRWM Plan

RESULT: PLAN IS SUFFICIENT

IRWM Plan Standard	Overall Standard Sufficient (yes/no)
Governance	Yes (see comments)
Region Description	Yes
Objectives	Yes
Resource Management Strategies	Yes
Integration *	Yes
Project Review Process	Yes
Impact and Benefit	Yes
Plan Performance and Monitoring	Yes (see comments)
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 in the IRWM Plan, refer to and utilize Governance, Project Review Process, and Data Management Standards per 2016 Guidelines, p. 52.

Comments:

Although not required for overall consistency with 2016 IRWM Plan Standards, DWR recommends that the Yuba County RWMG address the following items in future Yuba County IRWM Plan Updates:

Governance: The Plan Adoption process was described and the stakeholders listed, but a list of the project proponents who adopted the plan was not found.

Plan Performance and Monitoring: Section 17.2 describes project monitoring with respect to project performance measures which imply, but do not explicitly state, compliance with regulatory requirements. Some wording should be included specifically addressing regulatory compliance of the project.

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	n	3.1.3	The Plan Adoption process was described and the stakeholders listed, but a list of the project proponents who adopted the plan was not found.	n
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	3.1.3		y
A description of how the chosen form of governance addresses and insures:						
Public outreach and involvement processes	37	y/n/q	y	Sections 3.3, 3.4, and 5.1-5.3	Extensive recruitment was undertaken to ensure that the broadest possible spectrum of stakeholders and interested parties were included early enough in the process to ensure their participation in issue, resource management strategy, and objective development	y
Effective decision making	37	y/n/q	y	Sections 3.5 and 16.2	Consensus based, one vote per group, 75% majority if no consensus	y
Balanced access and opportunity for participation in the IRWM process	37	y/n/q	y	Sections 3.3, 3.4, 5.1-5.3, and 16.1-16.4	The public outreach and involvement process proves to have been an equitable opportunity for participation in the IRWM process as DAC, Tribal, Latino, and Hmong communities were contacted and the Yuba County team conducted circuit riding to empower and engage all local stakeholders in the IRWM process.	y
Effective communication – both internal and external to the IRWM region	37	y/n/q	y	Sections 4.1, 4.2, and 4.3	Communication primarily achieved through targeted phone calls, public meetings and conferences with specific audiences.	y
Long term implementation of the IRWM Plan	37	y/n/q	y	Sections 16.5, 17.1, and 17.2	The RWMG will be replaced by a formal MOU-based governing body after adoption of the Plan by the current RWMG. Subsequent adoption by individual entities is a prerequisite to membership.	y
Coordination with neighboring IRWM efforts and State and federal agencies	37	y/n/q	y	Sections 4.2 and 4.3	Various individuals contacted neighboring IRWMs as well as some conferences with neighboring groups.	y
The collaborative process(es) used to establish plan objectives	38	y/n/q	y	Section 12.2	The process used to establish plan objectives was collaborative and as detailed in Section 12.2 included phone and in-person interviews during the initial public outreach process, facilitated-RWMG meetings, and follow-up by the project team to create draft objectives that were finally vetted by the RWMG.	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
How interim changes and formal changes to the IRWM Plan will be performed	38	y/n/q	y	Section 16.5	Section 16.5.1 discusses the processes for conducting interim and formal changes to the IRWMP. Formal amendments will likely occur every three to five years, unless new guidelines released by DWR require an update sooner.	y
Updating or amending the IRWM Plan	38	y/n/q	y	Section 16.5	Formal amendments will likely occur every three to five years, unless new guidelines released by DWR require an update sooner. Section 16.5.2 details the project development and tracking process that will take place to keep track of project updates, additions, and funding.	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	n/a	Section 6.3	The Region is a supplier to the Delta and not dependent on the Delta.	n/a
Describe watersheds and water systems	38	y/n	y	Sections 6.0, 6.1, and 6.6.3 & Figure 6-2		y
Describe internal boundaries	38	y/n	y	Section 6.0 and 6.3 & Figures 6-1 and 6-2		y
Describe water supplies and demands for minimum 20 year planning horizon	38	y/n	y	Section 7.4	Data are only available for a 16-year horizon.	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	Sections 6.5 & Tables 6-2 and 6-3	Based on the 2010 Census, seven communities within the Yuba County IRWMP region are now identified as DACs. List of Tribal and DACs are available in 6.5.3 and 6.5.4	y
Describe major water related objectives and conflicts (1).	38	y/n/q	y	Sections 12.2.1 and 12.2.3 & Tables 12-1 and 12-2	The RWMG worked to generate a list of issues and conflicts, which was used to draft goals and objectives that directly addressed the identified issues and conflicts. The RWMG identified 17 issues and 3 conflicts. 40 objectives were drafted and categorized by the 7 Goals of the IRWM Plan and region.	y
Explain how IRWM regional boundary was determined and why region is an appropriate area for IRWM planning.	38	y/n/q	y	Section 6.3.1	The Region Contains: groundwater basin that has physical and institutional separations from the adjacent groundwater basins; the Lower Yuba River Accord is highly dependent on local surface water and groundwater conjunctive management operations; local flood control issues; and foothill and mountain areas with limited access to groundwater that share surface water resources with the valley floor area of the county.	y
Describe neighboring and/or overlapping IRWM efforts	38	y/n	y	Section 6.3.2		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	Sections 2.1, 2.6, 3.3, 4.1, 4.2.2, 12.4, 14.1, and 14.2, & Appendix 4-1		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	6.6.2 8.2.1		y
Describe likely Climate Change impacts on their region as determined from the vulnerability assessment.	38	y/n	y	11.0 11.3		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 §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 12.2.2		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 12.2		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 12.5 and Table 12-5 & Chapter 17	Table 12-5 illustrates both qualitative and quantitative performance metrics associated with each objective. All projects listed in the IRWM Plan have been developed to meet the regional objectives and to be measured accordingly by each objective's corresponding performance measures. Chapter 17 also discusses the process for developing the Plan and Performance Measures.	y
Explain how objectives are prioritized or reason why the objectives are not prioritized	50	y/n/q	y	Section 12.3	The Objectives have not been prioritized as this practice was thought to likely result in unnecessary conflict among RWMG entities. The Yuba RWMG views not prioritizing the objectives as an effective approach to Plan implementation.	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 12.2, 12.5		y
Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.	39	y/n	y	Table 12-1, 12-4		y
Consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	39	y/n	y	Table 12-1		y
Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	39	y/n	y	Table 12-4		y

IRWM Plan Standard: Plan Objectives				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
In evaluating different ways to meet IRWM plan objectives, where practical, consider the strategies adopted by CARB in its AB 32 Scoping Plan ¹ .	39	y/n	y	Table 11-1 11.6.1		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	11.6 Table 12-5		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 §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
Address which RMS will be implemented in achieving IRWM Plan Objectives (1).	39	y/n	y	Section 13.3 & Table 13-2	
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	13.2 Table 13-1 13.3 Table 13-2	
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	13.4 Table 13-4	



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	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
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	Sections 2.1, 2.6, 3.3, 4.1, 12.4, 14.1, and 14.2	The project application process followed the initial identification of regional issues and conflicts as well as goals and objectives and resource management strategies. This enables project sponsors to demonstrate through the application process how their proposed projects would implement key elements of the IRWMP, as well as avoid project impacts and maximize project benefits. It also allows for strategic considerations for Plan implementation (e.g., integrating projects, project alternatives).	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	Sections 14.1 - 14.4		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 14.1, Table 14-2		y
How a project is related to Resource Management Strategies identified in the plan.	40	y/n	y	Section 14.1, Table 14-2		y
The technical feasibility of a project.	40	y/n	y	Section 14.1, Table 14-2		y
A projects specific benefits to a DAC water issue.	40	y/n	y	Section 14.1, Table 14-2		y
Environmental Justice considerations.	40	y/n	y	Section 14.1, Table 14-2		y
Project costs and financing	40	y/n	y	Section 14.1, Table 14-2		y
Address economic feasibility	40	y/n	y	Section 14.1, Table 14-2		y
Project status	40	y/n	y	Section 14.1, Table 14-2		y
Strategic implementation of plan and project merit	40	y/n	y	Section 14.1, Table 14-2		y
Status of the Project Proponent's IRWM plan adoption	40	y/n	y	Section 18.1.1		y
Project's contribution to reducing dependence on Delta supply (for IRWM regions receiving water from the Delta).	40	y/n	y	n/a		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
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	Tables 14-2 and 14-3		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	14.1.1.3 14.2 14.5 Tables 14-2 and 14-3		y
Specific benefits to critical water issues for Native American tribal communities.	53	y/n	y	Tables 14-2 and 14-3 14.5		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 §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	Sections 18.1-18.4 & Table 18-1		y
State when a more detailed project-specific impact and benefit analysis will occur (prior to any implementation activity)	55	y/n	y	Sections 18.2 and 18.4		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	Section 18.3		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	Section 17.2 & Table 17-1		y
Contain a methodology that the RWMG will use to oversee and evaluate implementation of projects.	40	y/n	y	Section 17.2		y
Each project in the IRWM Plan is monitored to comply with all applicable rules, laws, and permit requirements.	58	y/n	n	17.2	Section 17.2.1 describes project monitoring with respect to project performance measures which imply, but do not explicitly state, compliance with regulatory requirements. Some wording should be included specifically addressing regulatory compliance of the project.	n
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	17.1.2		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 (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	Section 19.3		y
Describe typical data collection techniques	59 - 60	y/n	y	Section 19.2		y
Describe stakeholder contributions of data to a data management system	59 - 60	y/n	y	Section 19.2		y
Describe the entity responsible for maintaining data in the data management system	59 - 60	y/n	y	Section 19.2		y
Describe the QA/QC measures for data	59 - 60	y/n	y	Section 19.4		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 19.2		y
Explain how the Data Management System supports the RWMG's efforts to share collected data	59 - 60	y/n	y	Section 19.2		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 19.2		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 a programmatic level (i.e. general) plan for implementation and financing of identified projects and programs (1) including the following:	41	y/n	y	Chapter 15		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	Sections 15.1-15.2 & Table 15-1		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 15.3 & Tables 15-1 and 15-2		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	Sections 15.2 & Table 15-2		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	Section 15.5		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 19.1 & Table 19-1	

(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	Sections 9.2 and 10.1 & Table 10-1		y
Describe the dynamics between the IRWM plan and other planning documents	41	y/n	y	Sections 9.2 and 10.1 & Tables 10-2 and 10-3		y
Describe how the RWMG will coordinate its water mgmt planning activities	41	y/n	y	Section 10.2 & Appendix 10-1		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	10.1.1		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	10.1.1.1 10.1.1.5 10.1.1.7		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	Section 10.2 & Appendix 10-1		y
Document future plans to further a collaborative, proactive relationship between land use planners and water managers	41	y/n	y	Section 10.2 and 10.5		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	10.2		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.

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	Sections 5.2 and 5.4		y
Describe decision-making process and roles that stakeholders can occupy	41 - 42	y/n	y	Sections 3.2, 3.3, 3.5, 16.1, and 16.2 & Figure 16-2		y
Discuss how stakeholders are necessary to address objectives and RMS	41 - 42	y/n	y	Section 3.3		y
Discuss how a collaborative process will engage a balance in interest groups	41 - 42	y/n	y	Sections 3.0, 3.3, 5.0, and 5.1		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	Ch. 3.13		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	Ch. 3.2 Ch. 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 (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	Section 4.1		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	Section 4.2		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	Section 4.3		y

(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	y	Section 11.8	y
Include climate change as part of the project review process.	42 - 44	y/n	y	Table 14-2	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	11.1 11.2 Table 11-2	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	11.6.2	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	11.3.2 Table 11-5 11.3.3	y
Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge.	42 - 44	y/n	y	Table 11-4	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	n/a	n/a	n/a

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).