

**DEPARTMENT OF WATER RESOURCES**

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September 30, 2016

Mr. Randy Wilson  
Plumas County Flood Control and Water Conservation District  
County of Plumas  
555 Main Street  
Quincy, California 95971

Subject: Plan Review Process, Upper Feather River IRWM 2016 Update

Dear Mr. Wilson:

Attached please find the Department of Water Resources (DWR) Draft Review of the Upper Feather River Integrated Regional Water Management (IRWM) 2016 Update. DWR has determined that your 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 October 3, 2016. The Draft Review will be available for public comments for 30 calendar days on the following website:

<http://www.water.ca.gov/irwm/grants/prp.cfm>.

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 resultant follow up action. DWR will finalize the review and send it to you prior to posting on our website. The final review cover letter will state the plan's applicability in satisfying existing grant agreement conditions and plan eligibility requirements for future IRWM grant solicitations.

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.

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 "Tracie L. Billington".

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

# 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.

<b>Requirement</b>	Requirements are taken directly from the 2016 IRWM Guidelines.
<b>2016 IRWM Guidelines Source Page(s)</b>	Page(s) in the 2016 IRWM Guidelines which pertain to the Requirement and include the regulatory or other citations where applicable.
<b>Included</b>	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.
<b>Evidence of Plan Sufficiency</b>	
<b>Location of Standard in Grantee IRWM Plan</b>	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.
<b>Brief Qualitative Evaluation Narrative</b>	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.
<b>Sufficient</b>	Is the Guidelines requirement sufficiently represented in the IRWM Plan (y/n).

# IRWM Plan Review Form

(Per 2016 Plan Standards)

IRWM Planning Region:

Upper Feather River

Regional Water Management Group:

Upper Feather River Regional Water Management Group

IRWM Plan Title:

Upper Feather River IRWM 2016 Update

## RESULT: PLAN IS SUFFICIENT

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

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

### Additional Comments:

While deemed sufficient with the 2016 Guidelines Plan Standards, DWR recommends that the following be addressed in future IRWM Plan updates:

#### Region Description

Water Supply Assessment, Urban Water Management Plans and compliance with SB 610 are mentioned in general but specific information on water supply and demand for all communities in the region is lacking. 7.2.6 provides detailed development projections for much of the region, but water supply and demand discussion is qualitative and limited to several individual communities. A 20-year analysis of the regions water supply and demand for all communities should be included in future updates.

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
<b>Document a governance structure to ensure updates to the IRWM Plan</b>						
The RWMG and individual project proponents who adopted the Plan.	37	y/n	y	2.3.1, 2.3.4, Table 2-1	The Upper Feather River RWMG consists of twelve member agencies (Table 2-1), all signatories of the MOU, with seven of the agencies having statutory authority over water supply or management. Member agencies and signatories to the MOU are expected to adopt the completed 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	2.3.1, 2.5.2, Figure 2-1, Table 2-1, Table 2-2	Member Agency: Maidu Summit Consortium- Native American Representative- representing federally and State recognized Tribes and Maidu Native American interests. Workgroup: Tribal Advisory Committee: Cultural and Environmental issues that cross all workgroup categories; topics such as Traditional Ecological Knowledge toward restoration and stewardship. The description of the governance structure including member agencies and work groups is included in 2.3.1 and Figure 2-1. Tribal interests are represented on the RWMG board and formation of a Tribal Advisory Committee that meets regularly and provides input to the RWMG.	y
<b>A description of how the chosen form of governance addresses and insures:</b>						
Public outreach and involvement processes.	37	y/n/q	y	3.3	A communication plan describes communication efforts to ensure that stakeholders, project proponents, and the public remain well informed of the latest IRWM activities and accomplishments. The Stakeholder Involvement Plan (Appendix 2-2) contains a detailed communication strategy for the IRWM Plan update process.	y
Effective decision making.	37	y/n/q	y	3.3	The Plan Update process includes decision-making criteria at two levels. A majority of the RWMG membership constitutes a quorum for the transaction of business and decisions. The affirmative votes of at least a majority of the RWMG members shall be required for any action by the RWMG. A process for decision-making at the workgroup level is also established in the MOU. Decision-making by workgroup members is structured to seek consensus (approval) through super majority agreement.	y

IRWM Plan Standard: Governance					Overall Standard Sufficient	Yes
Balanced access and opportunity for participation in the IRWM process.	37	y/n/q	y	3.3	The governance structure and the processes of the RWMG are intended to elicit public participation and involvement in developing the IRWM Plan Update, project selection criteria, and other RWMG activities. To this end, all RWMG meetings are open to the public, in person or by video conference, and each meeting includes scheduled time for public input.	y
Effective communication – both internal and external to the IRWM region.	37	y/n/q	y	3.4, 3.5	The overall communications strategy for the UFR IRWM Plan Update is designed to be accessible, inclusive and transparent. RWMG members and stakeholders receive timely and consistent updates and information regarding Upper Feather River IRWM Program activities and goals.	y
Long term implementation of the IRWM Plan.	37	y/n/q	y	3.2.1	The Upper Feather River (UFR) RWMG is committed to an IRWM Program with a planning horizon that goes well beyond the recommended 20 years. The Memorandum of Understanding (MOU) brings together entities that intend to collaboratively address the long-term water resources management needs of the UFR Region.	y
Coordination with neighboring IRWM efforts and State and federal agencies.	37	y/n/q	y	3.5	The RWMG and consultant team members communicate with neighboring IRWMs to share lessons learned, process feedback, and share resources where appropriate. Additionally, members of the UFR IRWM Plan update team regularly attend and are involved in the Sierra Water Workgroup, a group that works to coordinate local and regional water planning efforts in the Sierra.	y
The collaborative process(es) used to establish plan objectives.	38	y/n/q	y	5.2.1	The RWMG's development of draft goals and objectives occurred during public meetings held on January 28 and March 27, 2015. In developing draft goals and objectives, the RWMG also reviewed and considered regionally relevant objectives contained within the California Water Code § 10540(c), the Sacramento River Basin Plan, and objectives developed by other IRWM regions.	y
How interim changes and formal changes to the IRWM Plan will be performed.	38	y/n/q	y	11.2.1	Plan Performance will be evaluated annually in a report to the RWMG by the appointed representative. Evaluation of Plan Performance will also accompany each successive IRWM implementation grant solicitation; release of updated IRWM Guidelines by DWR; update to regulations; or emergence of new data, science, or awareness of changed regional conditions that affect the issues and priorities within the Region.	y
Updating or amending the IRWM Plan.	38	y/n/q	y	11.2.2	Also Table 11-1.	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	n/a	--	n/a	y
Describe watersheds and water systems.	38	y/n	y	3.5		y
Describe internal boundaries.	38	y/n	y	3.5.1		y
Describe water supplies and demands for minimum 20 year planning horizon.	38	y/n	n/a	6.2.1, 6.2.2	Water Supply Assessment, Urban Water Management Plans and compliance with SB 610 are mentioned in general but no specific information is given for any water supply and demand in the region. 7.2.6 provides detailed development projections for much of the region, but the qualitative discussion for water supply and demand is limited to several individual communities.	n
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	3.3	Population and demographics, Native American Tribes, and Disadvantaged Communities are described and include maps and tables.	y
Describe major water related objectives and conflicts (1).	38	y/n/q	y	4.3	The most pervasive conflict arises from the fact that disadvantaged rural communities in the region exist in an abundance of immensely valuable water resources but receive very little compensation (i.e., more disadvantaged communities have fewer resources to pursue grant funding, or the grants are geared towards more urbanized areas).	y
Explain how IRWM regional boundary was determined and why region is an appropriate area for IRWM planning.	38	y/n/q	y	3.2	The physical boundary of the IRWM Plan Area reflects the watershed- and landscape-scale issues that define the region, and provides a workable geographic scale for addressing those issues in an effective, efficient, and integrative manner for local, regional, and downstream needs and values.	y
Describe neighboring and/or overlapping IRWM efforts.	38	y/n	y	4.2.3		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	2.3		y

IRWM Plan Standard: Region Description					Overall Standard Sufficient	Yes
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 <b>(2)</b> .	38	y/n	y	3.7.2	Discussion of occurrence, likely source, location, and potential for impact of each component is included. Nitrates levels above the MCL have been detected in several public wells that were located within the current set-back requirement for leach fields. Both wells were replaced and no longer have nitrate detection. Low levels of nitrate, arsenic, and hexavalent chromium have been detected in areas throughout the region. No mitigation is necessary because of the low levels.	y
Describe likely Climate Change impacts on their region as determined from the vulnerability assessment.	38	y/n	y	3.5, 8.0	General climate change assessment indicated a potential for an average temperature increase in the region of up to 5 degrees F. Additionally, the assessments indicate that wider swings in temporary climatic conditions, drought, etc. are more likely. The plan includes descriptions of potential impacts to wildfires, water supply, water demand, water quality, flooding, and ecosystem habitat.	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 <b>(1)</b> .	49	y/n	y	1.1, Table 1-4, various		y
Describe the collaborative process and tools used to establish objectives: <ul style="list-style-type: none"> <li>- How the objectives were developed</li> <li>- What information was considered (i.e., water management or local land use plans, etc.)</li> <li>- What groups were involved in the process</li> <li>- How the final decision was made and accepted by the IRWM effort.</li> </ul>	48 - 50	y/n	y	5.4.1		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 <b>(2)</b> .	49	y/n/q	y	11.2.1	Plan performance is evaluated annually. The annual report is available to the public on websites and other locations.	y
Explain how objectives are prioritized or reason why the objectives are not prioritized	50	y/n/q	y	5.2.2	The RWMG chose not to prioritize Plan objectives, determining that all of the objectives had equal weight and that to prioritize them would limit the potential breadth of stakeholder interests and involvement, and ultimately support for the full potential for integrated water management.	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	5.3.1		y
Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.	39	y/n	y	5.5, 6.2.2, 8.2	Climate change projections predict an increase in runoff and decrease in recharge. Objectives that will address these factors include restoring natural hydrologic functions in the watershed, reducing potential for catastrophic wildfires, protecting and enhancing groundwater recharge areas, and maximizing ag, environmental, and municipal water use efficiency.	y

IRWM Plan Standard: Plan Objectives					Overall Standard Sufficient	Yes
Consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	39	y/n	n/a	n/a	Not Applicable	y
Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	39	y/n	y	5.5, 9.0	Water supply systems in the region are small scale and not large energy consumers. Water use efficiency is a stated objective of the plan. The area is a region of significant hydroelectric power production - contributing to the statewide goal of reducing 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	5.5	Sustainable Forests and Water objectives relate directly to plan objectives.	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	5.5	Plan objectives include objectives to reduce the potential for catastrophic wildland fires, enhance groundwater recharge, and promote forest health and economic activity in the Plan area through stand thinning and development of biomass energy production infrastructure.	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	9.2, 9.4		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	6	All strategies were evaluated - 3 deemed not applicable and additional strategies were identified	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. <ul style="list-style-type: none"> <li>• Demonstrate how the effects of climate change on its region are factored into its RMS.</li> <li>• Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.</li> <li>• 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).</li> </ul>	39	y/n	y	6.0, Table 6-1, Table 8.1	Sections 6.2 and 6.3 present a brief summary of each standard RMS; how it supports the region's climate change adaptation objectives. Climate change was discussed and factored into all RMS plan objectives. Table 6-1 describes RMSs and the applicable implementation techniques and indicates which are influenced by climate change projections, contribute to reduction in GHG emissions, and improve water supply reliability.	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	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
Contains structure and processes for developing and fostering integration <sup>1</sup> : <ul style="list-style-type: none"> <li>- Stakeholder/institutional</li> <li>- Resource</li> <li>- Project implementation</li> </ul>	39	y/n/q	y	2.3 and elsewhere throughout the Plan.	The Upper Feather River RWMG consists of 12 member agencies, all signatories of the MOU, with 7 of the agencies having statutory authority over water supply of management. The composition of the RWMG provides a broad representation of water resource, natural resource, and land use management interests for the Upper Feather River region. Members have agreed to work together to serve as the Upper Feather River Regional Water Management Group and to carry out the IRWM Program in the region throughout the planning and implementation phases.

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	9.2.1/9.3/9.3.4		y
Does the project review process in the plan incorporate the following factors:						
How a project contributes to plan objectives.	40	y/n	y	9.2.3		y
How a project is related to Resource Management Strategies identified in the plan.	40	y/n	y	9.1		y
The technical feasibility of a project.	40	y/n	y	9.3.1		y
A projects specific benefits to a DAC water issue.	40	y/n	y	9.3.1		y
Environmental Justice considerations.	40	y/n	y	9.3.1		y
Project costs and financing.	40	y/n	y	9.3.1		y
Address economic feasibility.	40	y/n	y	9.3.1		y
Project status.	40	y/n	y	9.3.1		y
Strategic implementation of plan and project merit.	40	y/n	y	9.3.1		y
Status of the Project Proponent's IRWM plan adoption.	40	y/n	y	9.3.1		y
Project's contribution to reducing dependence on Delta supply (for IRWM regions receiving water from the Delta).	40	y/n	y	9.3.1		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 <b>(1)</b> . •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	9.1, 9.3.1, Table 9-1	Potential of the project to contribute to climate change adaptation was identified as one of the criterion.	y

IRWM Plan Standard: Project Review Process					Overall Standard Sufficient	Yes
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	9.1, 9.3.1, Table 9-1	The potential for each project to contribute to the reduction of GHG was identified as an evaluation criterion.	y
Specific benefits to critical water issues for Native American tribal communities.	53	y/n	y	Table 9-1	Benefit to Native American tribal communities is included as a project review factor, as part of assessing the project's ability to address statewide priorities. However, no critical water supply issues were identified by the TAC during this initial "Call for Projects". A future proposal may include something benefiting tribal communities; for example, enhancement of habitat suitable for plants that may be used for cultural purposes.	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
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	10.3, 10.4, 13	
State when a more detailed project-specific impact and benefit analysis will occur (prior to any implementation activity).	55	y/n	y	10.2	
Review and update the impacts and benefits section of the plan as part of the normal plan management activities.	55 - 56	y/n	y	10.2	

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 <b>(1)</b> .	40	y/n	y	11.2		y
Contain a methodology that the RWMG will use to oversee and evaluate implementation of projects.	40	y/n	y	11.3		y
Each project in the IRWM Plan is monitored to comply with all applicable rules, laws, and permit requirements.	58	y/n	y	11.1, 11.3	Each project approved under the Plan is monitored to comply with all applicable rules, laws, and permit requirements. This is stated as a required monitoring/evaluation criterion.	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	6.0, 8.0, 11.2.1.2	Annual review and update or update in response to new data or changes in the region.	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	11.4.1		y
Describe typical data collection techniques.	59 - 60	y/n	y	11.4.1		y
Describe stakeholder contributions of data to a data management system.	59 - 60	y/n	y	11.4.2		y
Describe the entity responsible for maintaining data in the data management system.	59 - 60	y/n	y	11.4		y
Describe the QA/QC measures for data.	59 - 60	y/n	y	11.4.4		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 <b>(1)</b> .	59 - 60	y/n	y	11.4.3, 11.4.5		y
Explain how the Data Management System supports the RWMG's efforts to share collected data.	59 - 60	y/n	y	11.4.3		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	11.4.5		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 <b>(1)</b> including the following:	41	y/n	y	12.2		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	12.3		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	12.4		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	12.3		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	12.4		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 <b>(1)</b> .	41	y/n	y	13	

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

IRWM Plan Standard: Relation to Local Water Planning				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
Identify a list of local water plans used in the IRWM plan	41	y/n	y	7.2.11, Table 7-6		y
Describe the dynamics between the IRWM plan and other planning documents	41	y/n	y	7.2.11		y
Describe how the RWMG will coordinate its water management planning activities	41	y/n	y	7.2.11		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	7.1.4, 7.1.4.9	There are currently no Storm Water Resource Plans within the UFR Region. However, should a SWRP be developed within the Region, the RWMG would incorporate it into the UFR IRWM Plan as an appendix and include the SWRP in the Data Management System.	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	5.5, 7.2.11	Provides a description of local issues and climate change strategies. All applicable planning documents were reviewed and incorporated in the appropriate section of the plan.	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	7.2.11		y
Document future plans to further a collaborative, proactive relationship between land use planners and water managers	41	y/n	y	7.2.11		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	5.5, 6.2, 7.1.4, 8.2	Demonstrated sufficiently throughout of the plan.	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	2.5, 3.3.2		y
Describe decision-making process and roles that stakeholders can occupy.	41 - 42	y/n	y	2.3		y
Discuss how stakeholders are necessary to address objectives and RMS.	41 - 42	y/n	y	2.3		y
Discuss how a collaborative process will engage a balance in interest groups.	41 - 42	y/n	y	2.3		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	2.5, 2.5.2, Table 2-1	A Stakeholder Involvement Plan (SIP) adopted by the RWMG in November 2014 sets forth outreach efforts to encourage a diverse group of informed local stakeholders through the UFR region (Appendix 2-2) to participate. Additionally, a Tribal Engagement Plan (TEP) was developed to describe outreach and involvement means for engaging Tribal communities in the Region (Appendix 2-3). Outreach plan clearly identifies Native American outreach methods and full representation on RWMG - the same as all other government agencies.	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	2.4, 2.5, 2.5.2, Table 2-1, 2.6	1. The governance structure and the processes of the RWMG are intended to elicit public participation and involvement in developing the IRWM Plan Update, project selection criteria, and other RWMG activities. 2. Stakeholders may take part in the IRWM Plan update process through the workgroups and Tribal Advisory Committee as well as by attending RWMG meetings and workshops. All stakeholders are added to contact lists; they then receive Plan Update communications and notices.	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	y/n
Identify the process to coordinate water management projects and activities of participating local agencies and stakeholders to avoid conflicts and take advantage of efficiencies <b>(1)</b> .	42	y/n	y	2.7		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	2.7		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	2.7		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	8.5, 11		y
Include climate change as part of the project review process.	42 - 44	y/n	y	9.3		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	8.3	Analysis equivalent to the vulnerability assessment contained in the Climate Change Handbook for Regional Water Planning.	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	5.5, 8.6, 9.1, Table 9-1, Appendix 9-2	Project sponsors were required to respond to a checklist that provided high-level GHG emissions. Project GHG analysis in Appendix 9-2. The potential for each project to contribute to the reduction of GHG was identified as an evaluation criterion.	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	Table 8-2	Plan provides a concise prioritization of identified vulnerabilities.	y
Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge.	42 - 44	y/n	y	5.5, 6.2.2, 8.2, 11.2.1, 11.2.1.2	Annual review and update or update in response to new data or changes in the region.	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	Not Applicable	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).