



JULY 2014



# San Luis Obispo County 2014 Integrated Regional Water Management Plan



Prepared with GEI Consultants and support from Fugro Consultants, Dudek, Gutierrez Consultants, and Hollenbeck Consulting



**July 2014**

# **San Luis Obispo Integrated Regional Water Management Plan**

## **San Luis Obispo Regional Water Management Group:**

California Men's Colony  
Cambria CSD  
Central Coast Salmon Enhancement  
City of Arroyo Grande  
City of Grover Beach  
City of Morro Bay  
City of Paso Robles  
City of Pismo Beach  
City of San Luis Obispo  
Coastal San Luis Resource Conservation District  
Heritage Ranch CSD  
Land Conservancy  
Los Osos CSD  
Morro Bay National Estuary Program  
Nacimiento Regional Water Management Advisory Committee  
Nipomo CSD  
Oceano CSD  
San Luis Obispo County  
San Luis Obispo County Flood Control and Water Conservation District  
San Miguel CSD  
San Simeon CSD  
S&T Mutual Water Company  
Templeton CSD  
Upper Salinas - Las Tablas Resource Conservation District



## Preface

The California Department of Water Resources (DWR) has established a Plan Review Process (PRP) designed to assess whether IRWM plans are consistent with the 2012 IRWM Plan Standards. The PRP is described in Appendix H of the 2014 IRWM Drought Guidelines.

To be eligible for state funding, IRWM plans must be submitted to DWR for review and meet the requirements listed in the Appendix Q tables below. To assist DWR, we have provided the section numbering and descriptions for those sections which, in whole, or partially address the given requirements.

In most cases, bookmarks in Adobe Acrobat can be turned-on and used for navigation to the various sections called-out below. Please note that some items are addressed throughout the document, with the section called out as having the most focus on the specific requirement. The organization of the IRWM Plan was intentionally structured around the PRP requirements to provide clear intent on what is being addressed.

We hope this helps expedite the review of the San Luis Obispo IRWM Plan.

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**Table App Q-1. Governance Requirements**

Requirement	Evidence of Sufficiency		Sufficient
From IRWM Guidelines	Location of Standard in Grantee IRWM Plan	Brief Evaluation Narrative	y/n
<b>Document a governance structure to ensure updates to the IRWM Plan:</b>			
The name of the RWMG responsible for implementation of the IRWMP	B.2 IRWM Program Participants A1.2 Plan Financial Support A1.3 Point of Contact	These sections identify the RWMG lead agency and the IRWM Program Participants.	
A description of the IRWM governance structure	B.3 Organizational Structure Figure B-3 Governance Structure	This section and figure identify the IRWM organizational structure.	
<b>A description of how the chosen form of governance addresses and ensures:</b>			
Public outreach and involvement processes	B.4 Stakeholder Involvement App C Communications and Outreach Plan	Section B.4 and the Outreach Plan describe the stakeholder involvement and public outreach process.	
Effective decision making	B.3.2 Decision Making Process	This section documents the decision making process used at the RWMG meetings	
Balanced access and opportunity for participation in the IRWM process	B.2 Program Participants B.3 Organizational Structure B.4.6 Public Information	This section identifies the various opportunities for participation in the IRWM Plan and the diverse makeup of the RWMG. Section B.4.6 identifies the variety of ways we communicate (via email and internet) with stakeholders and RWMG members.	
Effective communication – both internal and external to the IRWM region	B.4.1 Communications and Outreach Plan App C Communication and Outreach Plan	This Section and the Outreach Plan establish our communication guidelines to facilitate effective internal and external communications.	
Long term implementation of the IRWM Plan	B.5 Long Term Implementation	This section outlines the long term implementation of the Plan including updates and amendments to the Plan.	
Coordination with neighboring IRWM efforts and State and federal agencies	B.5.4 Coordination with Neighboring Efforts Section O Planning Coordination	These sections address coordination with neighboring IRWM efforts and State and federal agencies.	
The collaborative process(es) used to establish plan objectives	E.1 Process and Determination of G&Os App C Communications and Outreach Plan	This section describes the process using the Sub-Regional workshops to identify the critical water issues which were used to identify the objectives in each Sub-Region.	
How interim changes and formal changes to the IRWM Plan will be performed	B.5.2 Updating or Amending Plan Figure B-5 Re-Adoption Updates Schedule	This section describes the process for updating and amending the list of projects and programs. Figure B-5 identifies the IRWM Plan Update schedule and identifies those activities that constitute Plan re-adoption.	
Updating or amending the IRWM Plan	B.5.2 Updating or Amending Plan Figure B-5 Re-Adoption Updates Schedule	This section describes the process for updating and amending the list of projects and programs. Figure B-5 identifies the IRWM Plan Update schedule and identifies those activities that constitute Plan re-adoption.	
Publish NOI to prepare/update the plan; adopt the plan in a public meeting	B.5.1 NOI to Prepare IRWM Plan	This section describes the process to publish the Notice of Intent to prepare, update, and adopt the IRWM Plan.	

**Table App Q-2. Region Description Requirements**

Requirement	Evidence of Sufficiency		Sufficient
From IRWM Guidelines	Location of Standard in Grantee IRWM Plan	Brief Evaluation Narrative	y/n
If applicable, describe and explain how the plan will help reduce dependence on the Delta supply regionally	C.8.6.1 Reducing Reliance on the Delta	This section describes how the Plan will help the region reduce its dependency on the delta by providing a more integrated water management system relying less on State Water Project supplies in dry years.	
Describe watersheds and water systems	C.7 Watersheds C.5 Water Planning Areas C.8 Major Infrastructure	Section C.7 describes the watersheds and Section C.5 describes the Water Planning Areas and major water systems within the County. Section C.8 describes the major water infrastructure within the County.	
Describe internal boundaries	C.2 Relevance as a Planning Area	This section describes the primary internal boundaries within the IRWM Plan Area which are the Sub-Region Boundaries.	
Describe water supplies and demands for minimum 20 year planning horizon	D (all) Water Supply, Demand, and Water Budget	This section includes the current and future water demands and supplies through 2035.	
Describe water quality conditions	C.9 Water Quality Conditions	This section describes the current watershed and groundwater quality conditions based on the available information from watershed studies and monitoring results.	
Describe social and cultural makeup, including specific information on DACs and tribal communities in the region and their water challenges.	C.16 Cultural and Social Profile	This section describes the cultural and Social Profile of San Luis Obispo County.	
Describe major water related objectives and conflicts *	C.13 IRWM Plan Regional Issues and Conflicts	This section describes the regional issues and conflicts with San Luis Obispo Region.	
Explain how IRWM regional boundary was determined and why region is an appropriate area for IRWM planning.	C.2 Relevance as a Planning Area	This section describes the relevance and appropriate Regional and Sub-Regional boundaries within the IRWM Plan Area.	
Describe neighboring and/or overlapping IRWM efforts	O.2 Coordination Strategy with Adjacent.. C.17 Relationship to Other IRWM Plan Efforts	These sections describe the coordination strategy with the neighboring IRWMP Regions and the Central Coast Funding Area.	
Explain how opportunities are maximized (e.g. people at the table, natural features, infrastructure) for integration of water management activities	H (all) Project Integration O.1 Coordinate Activities to Avoid Conflict	This section describes the project integration opportunities within the IRWM Plan Area and the coordination of having the right people at the table to improve integration while reducing conflict.	

\* Requirement must be addressed.



**Table App Q-3. Goals and Objectives Requirements**

Requirement From IRWM Guidelines	Evidence of Sufficiency		Sufficient y/n
	Location of Standard in Grantee IRWM Plan	Brief Qualitative Narrative	
Through the objectives or other areas of the plan, the 7 items on pg 41 of GL are addressed.*	E.1.2.3 California Water Code E.2 IRWM G&Os Table E-4 CWC Reqmnts and Consistency	These sections and table describes how the Plan addresses the CWC minimum requirements.	
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	E.1 Process and Determination of G&Os	This section describes the consensus-based approach used by the stakeholders to update the goals and objectives in each Sub-Region.	
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. *	E.4 G&Os Metrics Tables E-6 to E-10 Goal's Measurements	This section and these tables identify the objectives for each goal and their qualitative or quantitative metric.	
Explain how objectives are prioritized or reason why the objectives are not prioritized	E.5 Prioritization and IRWM G&Os	This section describes how the locally driven objectives are used to develop priorities in each of the three Sub-Regions.	
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.	E.2 IRWM G&Os	This section identifies the overall goals for the Region	

\* Requirement must be addressed.

**Table App Q-4. State Resource Management Strategy Requirements**

Requirement	Evidence of Sufficiency		Sufficient
From IRWM Guidelines	Location of Standard in Grantee IRWM Plan	Brief Evaluation Narrative	y/n
Identify RMS incorporated in the IRWM Plan: Consider all California Water Plan (CWP) RMS criteria (29) listed in Table 3 from the CWP Update 2009 *	F.2 RMS Review Process Table F-1 IRWM Plan Water Management Strategies	This section and table show how the 29 RMS were grouped and applied to the Region meeting the 23 regional WMS.	
Consideration of climate change effects on the IRWM region must be factored into RMS	F.2.2 Work Group RMS Review Table F-2 RMS as Applied for Region	This section and table include climate change as part of the RMS evaluation. Climate Change is considered throughout the section and in Section P – Climate Change	
Address which RMS will be implemented in achieving IRWM Plan Objectives	F.3 RWMG Findings and Recommend Proj Elements Table F-2 RMS as Applied for Region Appendix F RMS Screening and Definition Packet	This section and table align the DWR RMS with the IRWM Plan objectives. The packet includes the stakeholder process of considering each of the State RMS and their applicability in the SLO Region	

\* Requirement must be addressed.

**Table App Q-5. Integration Requirements**

Requirement	Evidence of Sufficiency		Sufficient
From IRWM Guidelines	Location of Standard in Grantee IRWM Plan	Brief Evaluation Narrative	y/n
Contains structure and processes for developing and fostering integration <sup>1</sup> : - Stakeholder/institutional - Resource - Project implementation	H.1 Advantages of Region Plan Opposed to Indiv Efforts Figure H-2 Decision Tree for Agency Integration	This section and figure describe the approach for project/agency integration through the use of project elements.	

November 2012 Guidelines, p. 44.

**Table App Q-6. Project Review Processes Requirements**

Requirement	Evidence of Sufficiency		Sufficient
From IRWM Guidelines	Location of Standard in Grantee IRWM Plan	Brief Evaluation Narrative	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	G.2 Project Solicitation Process Figure G-2 Project Scoring and Ranking Process	This section describes, in detail, the approach used to identify, develop, rank, and communicate project selections for each “call for projects” by the RWMG.	
<b>Does the project review process in the plan incorporate the following factors:</b>			
How a project contributes to plan objectives	G.2.2 Objective Worksheet	This section describes how the plan objectives are utilized to identify project concepts.	
How a project is related to Resource Management Strategies identified in the plan.	G.2.5 Phase 2 Long Project Forms App G-5 Project Form Review Paper Table H-1	This section describes how various criteria are used to evaluate projects.	
The technical feasibility of a project.	Section G.3.1 Technical Accuracy Appendix G-5 Project Form Review Paper	This section describes how various criteria are used to evaluate projects.	
A projects specific benefits to a DAC water issue.	Section G.3 Final Evaluation App G-5 Project Form Review Paper	This section describes how various criteria are used to evaluate projects.	
Environmental Justice considerations.	G.3 Final Project Evaluation App G-5 Project Form Review Paper	This section describes how various criteria are used to evaluate projects.	
Project costs and financing	G.3 Final Project Evaluation App G-5 Project Form Review Paper	This section describes how various criteria are used to evaluate projects.	
Address economic feasibility	G.3 Final Project Evaluation App G-5 Project Form Review Paper	This section describes how various criteria are used to evaluate projects.	
Project status	G.3 Final Project Evaluation App G-5 Project Form Review Paper	This section describes how various criteria are used to evaluate projects.	
Strategic implementation of plan and project merit	G.3 Final Project Evaluation App G-5 Project Form Review Paper	This section describes how various criteria are used to evaluate projects.	
Project's contribution to climate change adaptation	P.13 Project Ratings based on Climate Change Table P-9 Project Notes and Rankings	This section ranks the current projects on climate change.	
Contribution of project in reducing GHGs compared to project alternatives	P.13 Project Ratings based on Climate Change Table P-9 Project Notes and Rankings	This section ranks the current projects on GHG emissions.	
Status of the Project Proponent's IRWM plan adoption	B.5.3 IRWM Plan Adoption Figure 5-3 Adopting Agencies (to be completed when approved by DWR)	Dates will be provided upon plan adoption.	
Project's contribution to reducing dependence on Delta supply (for IRWM regions receiving water from the Delta).	G.3 Final Project Evaluation Appendix G-5 Project Form Review Paper	This section describes how various criteria are used to evaluate projects.	

**Table App Q-7. Impacts and Benefits Requirements**

<b>Requirement</b>	<b>Evidence of Sufficiency</b>		<b>Sufficient</b>
<b>From IRWM Guidelines</b>	<b>Location of Standard in Grantee IRWM Plan</b>	<b>Brief Evaluation Narrative</b>	<b>y/n</b>
Discuss potential impacts and benefits of plan implementation within IRWM region, between regions, with DAC/EJ concerns and Native American Tribal communities	Table I-6 Other Resource Impacts and Benefits	This table identifies the impacts and benefits of plan implementation by goal by project element and other resources.	
State when a more detailed project-specific impact and benefit analysis will occur (prior to any implementation activity)	G.3 Final Evaluation Appendix G-5 Project Form Review Paper I.2 Project Element Method of Impacts and Benefits	This question is answered as part of the Project Form Review Document but no timing is specified due to lack of firm construct date for individual projects, maintaining a programmatic analysis until projects are identified for construction.	
Review and update the impacts and benefits section of the plan as part of the normal plan management activities	I (entire section) Figure Q-4 Plan Management and Update Schedule	This figure shows when this section will be revisited as part of the regular IRWM Plan Update schedule.	

**Table App Q-8. Plan Performance and Monitoring Requirements**

<b>Requirement</b>	<b>Evidence of Sufficiency</b>		<b>Sufficient</b>
<b>From IRWM Guidelines</b>	<b>Location of Standard in Grantee IRWM Plan</b>	<b>Brief Evaluation Narrative</b>	<b>y/n</b>
Contain performance measures and monitoring methods to ensure that IRWM objectives are met *	J.2 Program Level Performance Measures and Monitoring Table J-1 to J-5 – Performance Measures and Monitoring Methods	This section and tables include the objectives, performance measures, and monitoring methods for each IRWM Plan goal.	
Contain a methodology that the RWMG will use to oversee and evaluate implementation of projects.	J.4 Evaluating and Reporting Plan of Performance J.4.2 Project Monitoring and Reporting	This section describes the methodology used to monitor project implementation.	

\* Requirement must be addressed.

**Table App Q-9. Data Management Requirements**

Requirement	Evidence of Sufficiency		Sufficient
From IRWM Guidelines	Location of Standard in Grantee IRWM Plan	Brief Evaluation Narrative	y/n
Describe data needs within the IRWM region	K.2 Overview of Data Needs K.3 Description of Data Needs Table K-2 Data Collection Efforts	These sections provide a brief description of the data needs to support ongoing updates and monitoring of the IRWM. Section K.3 identifies some of the data needs and State databases where selected data is already or to be uploaded.	
Describe typical data collection techniques	K.4 Current Data Programs Table K-2 Data Collection Efforts and Techniques	This section lists all of the Regions data collection activities, data collection techniques, and how the data is generally used.	
Describe stakeholder contributions of data to a data management system	K.4 Current Data Programs K.8.3 Public Comments on Acceptance of Single DMS K.8.4 Proposed Implementation of a DMS	This section describes the various monitoring programs and the local agencies that participate in those programs along with public outreach results.	
Describe the entity responsible for maintaining data in the data management system	K.1 Introduction K.8.4 Proposed Implementation of a DMS	This section describes the role of the District and other agencies in data management activities.	
Describe the QA/QC measures for data	K.8.1.1 QC and Assurances Measures	This section describes the data collection QA/QC control measures. Although QA/QC is throughout this section given the importance of good data.	
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 *	K.4 Current Data Programs K.4.1 Existing Communication with State and Federal Database K.8.1 Formatting Data and Interacting with State and Federal	This section identifies anticipated features of a data management system.	
Explain how the Data Management System supports the RWMG's efforts to share collected data	K.7 Preferred Features in a DMS	This section identifies anticipated features of a data management system to support data sharing and accessibility	
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).	K.4.1 Existing Communication with State and Federal Database K.8.1 Formatting Data and Interacting with State and Federal	These sections identify the statewide databases that the region is working with and features of a future DMS to be compatible with and how they will support the exchange of information.	

\* Requirement must be addressed.

**Table App Q-10. Finance Requirements**

Requirement	Evidence of Sufficiency		Sufficient
From IRWM Guidelines	Location of Standard in Grantee IRWM Plan	Brief Evaluation Narrative	y/n
<b>Include a programmatic level (i.e. general) plan for implementation and financing of identified projects and programs* including the following:</b>			
List known, as well as, possible funding sources, programs, and grant opportunities for the development and ongoing funding of the IRWM Plan.	L (entire section) Tables L-4 to L-13 Grant Funding Matrix	This section and accompanying tables identify sources of local funding as well as State and federal grant programs to support planning activities and implementation if IRWM Plan projects.	
List the funding mechanisms, including water enterprise funds, rate structures, and private financing options, for projects that implement the IRWM Plan.	L.2 Local Government Funding	This section identifies various sources of local government funding that support capital projects as well as operation and maintenance.	
An explanation of the certainty and longevity of known or potential funding for the IRWM Plan and projects that implement the Plan.	L.2 Local Government Funding	This section identifies various sources of local government funding that support capital projects as well as operation and maintenance.	
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.	L.2 Local Government Funding Appendix G-5 Project Form Review Paper	This section identifies various sources of local government funding that support capital projects as well as operation and maintenance.	

\* Requirement must be addressed.

**Table App Q-11. Technical Analysis Requirements**

Requirement	Evidence of Sufficiency		Sufficient
From IRWM Guidelines	Location of Standard in Grantee IRWM Plan	Brief Evaluation Narrative	y/n
Document the data and technical analyses that were used in the development of the plan*	M (entire section) Technical Analysis	This section identifies all the existing technical documents which were available to support the Regional and Sub-Regional decisions made by the RWMG members and stakeholders. This list includes existing studies, studies completed under a Proposition 50 planning grant, and the current Proposition 84 planning grant.	

\* Requirement must be addressed.

**Table App Q-12. Relation to Local Water Planning Requirements**

<b>Requirement</b>	<b>Evidence of Sufficiency</b>		<b>Sufficient</b>
<b>From IRWM Guidelines</b>	<b>Location of Standard in Grantee IRWM Plan</b>	<b>Brief Evaluation Narrative</b>	<b>y/n</b>
Identify a list of local water plans used in the IRWM plan	N.1 Relation to Planning Documents Table N-1	This section identifies the local agencies and the water planning documents produced in the Region in setting land and water use policies which were used by local agencies to support their participation in the IRWM Plan.	
Discuss how the plan relates to these other planning documents and programs	N.2 Plan Linkages with Local Water and Land Use Studies Table N-1 Planning Document Utilized for Plan	This section identified the planning documents and describes how the Plan relied upon the existing documents which document the local agency policies, goals and actions etc. used to develop the Plan	
Describe the dynamics between the IRWM plan and other planning documents	N.6 IRWM Dynamics with Local Planning Agencies	This section describes how the IRWM Plan was designed to combine and build upon the strategies and recommendations of the local planning documents.	
Describe how the RWMG will coordinate its water mgmt planning activities	N.7 Issues and Relationships between Local Planning and Water Entities	This section identifies several of the regulatory issues that are high priority to the water purveyors. This section also identifies the role of the IRWM Plan to provide a forum to encourage communication on water management issues.	

**Table App Q-13. Relation to Local Land Use Planning Requirements**

<b>Requirement</b>	<b>Evidence of Sufficiency</b>		<b>Sufficient</b>
<b>From IRWM Guidelines</b>	<b>Location of Standard in Grantee IRWM Plan</b>	<b>Brief Evaluation Narrative</b>	<b>y/n</b>
Document current relationship between local land use planning, regional water issues, and water management objectives	N (entire section) Relation to Local Water and Land Use Planning	This section starts by looking at opportunities to improve the sustainability of the region’s water resources. It includes a comprehensive list of the most current and relevant local land and water use plans. These plans and their relationship to the IRWM Plan are described on Table N-1.	
Document future plans to further a collaborative, proactive relationship between land use planners and water managers	N.6.1 Consensus with Local Stakeholders N.7.1 How the RWMG will Coordinate Management Planning Activities		

**Table App Q-14. Stakeholder Involvement Requirements**

Requirement	Evidence of Sufficiency		Sufficient
From IRWM Guidelines	Location of Standard in Grantee IRWM Plan	Brief Evaluation Narrative	y/n
Contain a public process that provides outreach and opportunity to participate in the IRWM plan *	B.4 Stakeholder Involvement and Public Outreach Process Appendix C Communications and Outreach Plan	This section describes how all RWMG meetings and workshops are open to the public. Meeting and workshop announcements are noticed by email to stakeholders and posting on the County website.	
Identify process to involve and facilitate stakeholders during development and implementation of plan regardless of ability to pay; include barriers to involvement *	B.4 Stakeholder Involvement and Public Outreach Process Appendix C Communications and Outreach Plan	The Public Outreach Plan describes the six DAC Visioning Workshops and Focus Group meetings were held at the outset of the Plan Update to encourage active and sustained participation of representatives of DACs in a manner that is consistent with their cultural economic and social considerations.	
Discuss involvement of DACs and tribal communities in the IRWM planning effort	B.4 Stakeholder Involvement and Public Outreach Process B.4.8 Use of Existing Orgs and Communication Channels Appendix C Communications and Outreach Plan	All DAC's are signatory to the San Luis Obispo County Region Integrated Regional Water Management Program Memorandum of Understanding (MOU). Existing channels of communication are relied upon heavily because of the high success of regional and local cooperation.	
Describe decision-making process and roles that stakeholders can occupy	B.3.2 Decision Making Process Appendix C Communications and Outreach Plan	This section describes the approach for stakeholder participation, and decision making by the RWMG members.	
Discuss how stakeholders are necessary to address objectives and RMS	B.4.3 RWMG Working Group and Workshops Appendix C Communications and Outreach Plan	This section describes stakeholder participation in Sub-Regional workshops where data, issues, and information is presented, and draft goals and objectives, resource management strategies, and other items are developed.	
Discuss how a collaborative process will engage a balance in interest groups	B.2 IRWM Program Participants Figure B-2, IRWM Planning Region Appendix C Communications and Outreach Plan	This section describes how the IRWMP builds upon long-term water resources planning activities in County including use of the Water Resources Advisory Committee (WRAC). The diverse Regional Water Management Group (RWMG) includes 24 members from throughout the County. In addition, the Public Outreach Plan identifies additional interest stakeholders beyond both the WRAC and RWMG.	

\* Requirement must be addressed.



**Table App Q-15. Coordination Requirements**

<b>Requirement</b>	<b>Evidence of Sufficiency</b>		<b>Sufficient</b>
<b>From IRWM Guidelines</b>	<b>Location of Standard in Grantee IRWM Plan</b>	<b>Brief Evaluation Narrative</b>	<b>y/n</b>
Identify the process to coordinate water management projects and activities of participating local agencies and stakeholders to avoid conflicts and take advantage of efficiencies *	O.1 Coordinate Water Activities to Avoid Conflict O.5 Water Service Cooperative Agreement and Other Efforts	This section identifies various water resource related agencies and stakeholders that are important to coordinate with and provides examples of cooperative agreements and other inter-agency coordination efforts within the IRWM Region.	
Identify neighboring IRWM efforts and ways to cooperate or coordinate, and a discussion of any ongoing water management conflicts with adjacent IRWM efforts	O.2 Activity Coordination Strategy O.5 Water Service Cooperative Agreement and Other Efforts	This section identifies the coordination activities with adjacent regions (Section O.2) and cooperative agreements and coordination efforts (Section O.5)	
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.	O.3 Coordination with State and Federal Agencies Table O-2 Potential Permits Table O-3 Project Coordination with State and Federal Agencies	This section identifies State and federal agencies that may play a role in implementing IRWM projects, including potential permitting responsibilities	

\* Requirement must be addressed.

**Table App Q-16. Climate Change Requirements**

<b>Requirement</b>	<b>Evidence of Sufficiency</b>		<b>Sufficient</b>
<b>From IRWM Guidelines</b>	<b>Location of Standard in Grantee IRWM Plan</b>	<b>Brief Evaluation Narrative</b>	<b>y/n</b>
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 *	P.10 Vulnerability Assessment Table P-6 Vulnerability Rating Categories	This section identifies and ranks the Sub-Region's vulnerabilities to climate change.	
Provide a process that considers GHG emissions when choosing between project alternatives *	P.13.2 Mitigation Analysis Table P-8 Baseline Emissions from Water Related Activities	This section identifies how the top 15 projects were evaluated using a qualitative mitigation potential to address GHG emissions.	
Include a list of prioritized vulnerabilities based on the vulnerability assessment and the IRWM's decision making process.	P.10 Vulnerability Assessment	This section provides a list of prioritized vulnerabilities by Sub-Region.	
Contain a plan, program, or methodology for further data gathering and analysis of prioritized vulnerabilities	P.12 Future Data Gathering and Analysis	This Section summarizes the highlights of the current and future data collection and monitoring process.	
Include climate change as part of the project review process	G.3 Final Project Evaluation Table G-3 Final Project Selection P.13.3 Ranking Projects based on Climate Change Table P-9 Project Notes and Rankings	This section provides a climate change ranking based on relative levels of adaption and mitigation.	

\* Requirement must be addressed.



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  - Appendix G-4 Ranked Project List**
  - Appendix G-5 Project Form Review Paper**
  - Appendix G-6 Project Selection Briefing Paper**
- Appendix H – Not Used**
- Appendix I – Public Comments on Goals and Objectives and Draft IRWM Plan**
- Appendix J – Agricultural Water Demand Analysis**
- Appendix K – Data Management**
  - Appendix K-1 – Data Management Summary Report by Wallace Group**
  - Appendix K-2 – GIS-Based Data Management System User Manual**
- Appendix L – Groundwater Basin Descriptions**
- Appendix M – Water Planning Area Descriptions**
- Appendix N – San Luis Obispo County Watershed Management Planning Project Report**
- Appendix O – Salt and Nutrient Reports (e-only)**
  - Appendix O-1 – Salt and Nutrient Management Planning Priorities Tech Memo**
  - Appendix O-2 – Paso Robles Basin Salt and Nutrient Management Plan**
  - Appendix O-3 – Paso Robles Basin Groundwater Model Update**
  - Appendix O-4 – Santa Maria Basin Characterization**
- Appendix P – Regional Recycled Water Study**
- Appendix Q – State Guideline Requirements Tables**
- Appendix R – Climate Change Analysis for San Luis Obispo IRWM Region**
- Appendix S – 2012 Master Water Report**
- Appendix T – Awahnee Water Principles, A Blueprint for Regional Sustainability**
- Appendix U – Response to Public Comments**

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## **Acronyms**

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2012 CDWR IRWM Guidelines	California Department of Water Resources' Guidelines for the Integrated Regional Water Management proposition 84 and 1E (November 2012)
AC	Acre(s)
ACEC	Area of Critical Environmental Concern
AF	Acre-Feet
AFY	Acre-Feet per Year
ARRA	American Recovery and Reinvestment Act of 2009
Basin Plan	Central Coast Basin Plan
BMP	Best Management Practices
CalTAP	technical assistance providers
CASGEM	California Statewide Groundwater Elevation Monitoring
CCD	Census County Division
CCWA	Central Coast Water Authority
CDB	Community Development Block Grants
CDD	Cooling Degree Days
CDFG	California Department of Fish and Game
CDPH	California Department of Public Health
CDWR	California Department of Water Resources
CEC	California Energy Commission
CEDS	The Comprehensive Economic Development Strategies
CEQA	California Environmental Quality Act
CIMIS	California Irrigation Management Information System
CIP	Capital Improvement Plan
CMIP	Coupled Model Inter-comparison Project
CRWA	California Rural Water Association
CSD	Community Service District
CWC	California Water Code
CWP	California Water Plan
CWSRF	Clean Water State Revolving Fund
DAC	Disadvantaged Community
DFA	Division of Financial Assistance
District	San Luis Obispo County Flood Control and Water Conservation District
DWSRF	Drinking Water State Revolving Fund
EERE	Energy Efficiency and Renewable Energy
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
ESA	Endangered Species Act of 1973
ET	Evapotranspiration

FAR	(IPCC IS92a Scenario) First Assessment Report (1990)
FEMA	Federal Emergency Management Agency
FPGP	(Water Recycling) Facilities Planning Grant Program
GDD	Growing Degree Days
GFDL	Geophysical Fluid Dynamics Laboratory model
GMA	Groundwater Management Area
GMP	Groundwater Management Plan
GO	General Obligation (Bond Rate)
gpd	Gallons Per Day
Guidelines	2012 Proposition 84 and 1E IRWM Program Guidelines
HDD	Heating Degree Days
HCP	Habitat Conservation Plan
HUD	Housing and Urban Development
HUC	Hydrologic Unit used for delineating watersheds
IPCC	Intergovernmental Panel on Climate Change
IRWM	Integrated Regional Water Management
JPA	Join Powers Authorities
KAF	Thousand Acre-Feet
LAFCO	Local Agency Formation Committee
LDC	Legacy Data Center
Lead Agency	San Luis Obispo County Flood Control and Water Conservation District
LID	low-impact development
LLNL	Lawrence Livermore National Labs
MAF	Million Acre-Feet
MGD	Million Gallons per Day
MHI	Median Household Income
MOU	Memorandum of Understanding
MSL	Mean Sea Level
MWC	San Miguelito Mutal Water Company
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NFWF	National Fish and Wildlife Foundation
NMMA	Nipomo Mesa Management Area
NOP	Notice of Preparation



NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollution Discharge Elimination System
NPS	nonpoint sources
PEIS	Programmatic Environmental Impact Settlement
Plan	Integrated Regional Water Management Plan
PSP	Proposal Solicitation Package
PUD	Public Utility District
PVC	Polyvinyl Chloride
PWG	Project work group
RAP	Region Acceptance Process by DWR
RCAC	Rural Community Assistance Corporation
Region	San Luis Obispo County Region
RMS	Resource Management Strategy
RO	Reverse Osmosis
RWMG	(San Luis Obispo) Regional Water Management Group
RWQCB	Regional Water Quality Control Board
SAR	IPCC IS92a Scenario, Second Assessment Report, 1995
SB	Senate Bill
SBA	Small Business Administration
SCADA	Supervisory Control and Automated Data Acquisition
SCWG	Small Community Wastewater Grant (Program)
SDWSRF	Safe Drinking Water State Revolving Fund
SHE	Self-Help Enterprises
SLO	San Luis Obispo
SLR	sea-level rise
SLOC	San Luis Obispo County
SRES	Special Report on Emissions Scenarios
SRF	State Revolving Fund
SSCSD	San Simeon Community Services District
SSMP	Avila Beach CSD 2010 Sewer System Management Plan
State Guidelines	2012 Proposition 84 and 1E IRWM Program Guidelines
STORET	Data storage and retrieval system tracking commercial/industrial uses
SWDA	Safe Drinking Water Act
SWFM	Stormwater Flood Management
SWP	State Water Project
SWRCB	California State Water Resources Control Board
SWS	small water system
t	Trace, flow volume greater than 0 AF and less than 500 AF

TDS	Total Dissolved Solids
THMs	Trihalomethanes
TMDL	Total Maximum Daily Load
USACE	U.S. Army Corps of Engineers
USBLM	U.S. Bureau of Land Management
USBR	U.S. Bureau of Reclamation
USDA	U.S. Department of Agriculture
USDOE	U.S. Department of Energy
USDOJ	U.S. Department of the Interior
USEDA	U.S. Economic Development Administration
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	Underground Storage Tank
UWMP	Urban Water Management Plan
VOC	Volatile Organic Carbon
WCRP	World Climate Research Programme
WEP	Water and Environmental Programs
WCRP	World Climate Research Programme
WRAC	Water Resources Advisory Committee
WRCP	Water Recycling Construction Program
WSA	Senate Bill 610 Water Supply Assessment
WSAmt	State Water Project Water Service Amount
WSV	Water Supply Verification
WWD	Wastewater Disposal (Program)
WWTP	Wastewater Treatment Plant



