

Santa Barbara County IRWM

Cooperating Partners of the Santa Barbara County IRWM
South Coast Watersheds Meeting
Tuesday, June 13, 2017, 1:00 am to 3:00 pm
619 Garden Street, Santa Barbara, CA 93101



Agenda – IRWM – South Coast Watersheds

- 💧 **Welcome**
- 💧 **Introductions**
- 💧 **Update on the DAC Involvement and DACI Funding Round**
 - ♣ **Current work efforts**
 - ♣ **Status of proposal/funding with DWR**
- 💧 **Countywide SGMA Updates**
- 💧 **IRWM Plan Update – DWR’s 2016 Guidelines**
 - ♣ **Review of Draft Sections**
 - 💧 **Review and Update of Regional Issues**
 - 💧 **Review and Update of Resource Management Strategies**
 - 💧 **Climate Change**
 - ♣ **Establish a Plan Update Sub-Committee**
- 💧 **Update on Local Projects**
- 💧 **Update Round 1 IRWM Implementation**
- 💧 **Other State and Federal Funding Opportunities**
- 💧 **Water Bonds**
- 💧 **Next Steps**
- 💧 **Next Meeting**



DAC Involvement – Plan Requirements

💧 Specific Plan Guidelines on DAC Involvement

- 💧 **Governance must include DAC communities, representatives, EJ organizations, neighborhood councils, social justice organizations.**
- 💧 **Project Review Process - The IRWM Plan must contain a process or processes to select projects for inclusion in the IRWM Plan. The selection process(es) must include (among others):**
 - 💧 **specific benefits to DAC water issues, including whether a project helps address critical water supply or water quality needs of a DAC.**
- 💧 **Impact and Benefit – Plan must contain a discussion of potential impacts and benefits of Plan implementation, including both impacts and benefits within the IRWM Region, between regions, and those directly affecting DAC, EJ related concerns, and Native American Tribal communities.**
- 💧 **Stakeholder Involvement must include DAC members and communities.**

DAC Involvement – Activities and Funding

- ♦ **Santa Barbara IRWM participating in Statewide Workgroup on the outcomes, performance metrics and evaluation of the DACI Program**
- ♦ **Working with the CCFA on the DACI Funding Proposal**
 - ♦ **DACI Funding Proposal submitted on March 31, 2017**
 - ♦ **Projects for Guadalupe and Cuyama**
 - ♦ **Requested full DAC non-competitive funding allocation of \$621,932**
 - ♦ **Coordination with CCFA on responding to comments**
 - ♦ **Funding anticipated in late summer/early autumn**

Any Questions?



SGMA Update

SGM Sustainable Groundwater Management



County wide SGMA Update (Sustainable Groundwater Management Act)

💧 GSA Formation occurring in the following basins:

💧 Santa Ynez Groundwater Basins - **complete**

💧 San Antonio Creek Groundwater Basin – **nearing completion**

💧 Cuyama Valley Groundwater Basin – **complete**

💧 Montecito Groundwater Basin – **underway (not required in this Basin)**

Sustainable
Groundwater Management



Plan Update

2016 Integrated Regional Water Management Grant Program Guidelines

Volume 2 – IRWM Planning Standards
July 2016



CALIFORNIA NATURAL RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DIVISION OF
INTEGRATED REGIONAL WATER MANAGEMENT



2016 IRWM Program Guidelines (Volume 1)

💧 New Relevant Legislation and Executive Orders applicable to IRWM:

- 💧 **AB 685** (Eng, Chapter 524, Statutes of 2012) – Establishes State Policy that every human being has that right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes.
- 💧 **AB 52** (Gatto, Chapter 532, Statutes of 2014) – Public Resources Code §21080.3.1 – requires the California Environmental Quality Act (CEQA) lead agency to consider project effects on tribal cultural resources and to conduct consultation with California Native American tribes.
- 💧 **AB 1249** (Salas, Chapter 717, Statues 2014) – Water Code §10541 – requires IRWM regions with nitrate, arsenic, perchlorate, or hexavalent chromium contamination to include specific information in their IRWM plan regarding the location, impacts, actions, and needed action to address the contaminations. It also requires applications from these regions to include information regarding how the project(s) in their grant application helps to address the contamination or an explanation why the application does not include such project(s).

2016 IRWM Program Guidelines (Volume 1)

- 💧 **New Relevant Legislation and Executive Orders applicable to IRWM:**
 - 💧 **AB 1739** (Dickinson, Chapter 347, Statutes of 2014), **SB 1168** (Pavley, Chapter 346), **SB 1319** (Pavley, Chapter 348) collectively referred to as the **Sustainable Groundwater Management Act (SGMA)**. SGMA allows local agencies to customize groundwater sustainability plans to their regional economic and environmental needs. SGMA creates a framework for sustainable, local groundwater management by requiring local agencies to establish a new governance structure, known as **Groundwater Sustainability Agencies**, prior to developing groundwater sustainability plans for groundwater basins or sub-basins.
 - 💧 **Executive Order B-29-15** Requires agricultural water suppliers that supply water to more than 25,000 acres to include in their required 2015 Agricultural Water Management Plans (AWMP) a detailed drought management plan that describes the actions and measures the supplier will take to manage water demand during drought.

2016 IRWM Program Guidelines (Volume II)

💧 IRWM Plan Standards (in brief)

Table 1 – IRWM Plan Standards	
<ul style="list-style-type: none">◆ Governance◆ Region Description◆ Objectives◆ Resource Management Strategies (RMS)◆ Integration◆ Project Review Process◆ Impact and Benefit◆ Plan Performance and Monitoring	<ul style="list-style-type: none">◆ Data Management◆ Finance◆ Technical Analysis◆ Relation to Local Water Planning◆ Relation to Local Land Use Planning◆ Stakeholder Involvement◆ Coordination◆ Climate Change

💧 **Santa Barbara IRWM Region must update **each** of the sections named above.**

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💧 Examples of needed updates:

💧 **Governance:**

- 💧 new agencies have become Cooperating Partners and others have not adopted the current Plan

💧 **Region Description:**

- 💧 inclusion of GSAs and the areas each GSA is managing
- 💧 accurate description of the social/cultural makeup of the region
- 💧 updated and accurate discussion, characterization of challenges and current efforts related to EDAs/DACs/SDACs
- 💧 updated narrative on water supply demands over a 20-year planning horizon

💧 **Objectives:**

- 💧 inclusion of more specific objectives related to Climate Change, sea-level rise (SLR), GHG reduction AB 32 and ARB strategies, carbon sequestration, etc.

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💧 Examples of needed updates:

💧 **Resource Management Strategies (RMS):**

- 💧 **Effects of Climate Change (CC) and updates from the CA Water Plan Update**
- 💧 **Demonstration of how CC is addressed in the RMS**
- 💧 **Evaluation of how the RMS and other strategies will reduce or eliminate the impacts of CC**

Table 2 – CA Water Plan Update 2013 Resource Management Strategies	
<ul style="list-style-type: none"> ◆ Agricultural Water Use Efficiency ◆ Urban Water Use Efficiency ◆ Crop Idling for Water Transfers ◆ Irrigated Land Retirement ◆ Conveyance – Delta ◆ Conveyance – Regional/local ◆ System Reoperation ◆ Water Transfers ◆ Flood Risk Management ◆ Agricultural Lands Stewardship ◆ Economic Incentives (Loans, Grants and Water Pricing) ◆ Ecosystem Restoration ◆ Forest Management ◆ Recharge Area Protection ◆ Sediment Management* ◆ Outreach and Engagement* 	<ul style="list-style-type: none"> ◆ Conjunctive Management and Groundwater Storage ◆ Desalination ◆ Precipitation Enhancement ◆ Recycled Municipal Water ◆ Surface Storage – CALFED ◆ Surface Storage – Regional/local ◆ Drinking Water Treatment and Distribution ◆ Groundwater Remediation/Aquifer Remediation ◆ Land Use Planning and Management ◆ Matching Quality to Use ◆ Pollution Prevention ◆ Salt and Salinity Management ◆ Urban Runoff Management ◆ Water-Dependent Recreation ◆ Watershed Management ◆ Water and Culture*
<p><i>*New resource management strategies for California Water Plan Update 2013</i></p>	

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💧 Examples of needed updates:

💧 **Integration:**

- 💧 update discussion on project integration and how it is accomplished

💧 **Project Review Process:**

- 💧 update discussion on how projects are solicited, included in the Plan, reviewed and selected for implementation
- 💧 discussion of criteria to select projects, particularly in relation to Objectives and RMS

💧 **Impact and Benefit:**

- 💧 inclusion of more specific discussion of the impacts/benefits of the Plan's implementation on the region, inter-regional issues, EJ and DACs

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💧 Examples of needed updates:

💧 **Plan Performance and Monitoring**

- 💧 Update performance measures and monitoring methods to ensure the objectives of the Plan are met
- 💧 update description and methodology for evaluating and monitoring the RWMG's ability to meet the objectives and implement the projects in the IRWM Plan
- 💧 update policies and procedures that promote adaptive management
- 💧 ensure discussion on effective project implementation as conditions change, as more effects of Climate Change manifest, new tools are developed, and new information becomes available

💧 **Data Management**

- 💧 update section to reflect accurate process of data collection, storage, and dissemination to IRWM participants, stakeholders, the public, and the State.

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💧 Examples of needed updates:

💧 **Finance:**

- 💧 update discussion on how projects are financed
- 💧 update opportunities for further funding sources

💧 **Technical Analysis:**

- 💧 update data and technical analyses that were used in the development of the Plan.

💧 **Relation to Local Water Planning:**

- 💧 update the local water planning documents utilized background within the IRWM Plan.
- 💧 update the description of the dynamics between the IRWM Plan and local planning documents
- 💧 update and consider and incorporate water management issues and climate change

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💧 Examples of needed updates:

💧 **Relation to Local Land Use Planning:**

- 💧 update processes that fosters communication between land use managers and RWMGs with the intent of effectively integrating water management and land use planning

💧 **Stakeholder Involvement:**

- 💧 update discussion on DACs/SDACs/EDAs and ongoing work in communities
- 💧 update process and communication to RWMG and stakeholders

💧 **Coordination:**

- 💧 update processes to coordinate water management projects and activities of participating local entities and local stakeholders to avoid conflicts and take advantage of efficiencies (CWC §10541.(e)(13))
- 💧 Identification of other neighboring IRWM efforts and the way cooperation or coordination with these other efforts will be accomplished and a discussion of any ongoing water management conflicts with adjacent regions

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Examples of needed updates:

Climate Change:

- update adaptation to the effects of climate change and mitigation of GHG emissions (Water Code §10541.(e)(10))

Table 3 – Addressing Climate Change Within Existing IRWM Plan Standards	
Climate Change	<p><u>Adaptation:</u></p> <ul style="list-style-type: none"> A discussion of the potential effects of climate change on the IRWM region, including an evaluation of the IRWM region’s vulnerabilities to the effects of climate change and potential adaptation responses to those vulnerabilities. At a minimum, the vulnerability evaluation must be equivalent to the vulnerability assessment contained in the <i>Climate Change Handbook for Regional Water Planning</i>, Section 4 and Appendix B¹. 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. A list of prioritized vulnerabilities which includes a determination regarding the feasibility for the RWMG to address the priority vulnerabilities. A plan, program, or methodology for further data gathering and analysis of the prioritized vulnerabilities. Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge. 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. <p><u>Mitigation:</u></p> <ul style="list-style-type: none"> A process that considers GHG emissions when choosing between project alternatives. 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.

Sub-Committee on IRWM Plan

- 💧 **DAC Issues**
- 💧 **More current and accurate information**
- 💧 **Response to DWR's comments and matrix on the 2013 Plan Review**
- 💧 **2016 Guidelines' requirements and standards**
- 💧 **Legislative requirements**

Any Questions?



Update on Local Projects

- 💧 **SCC Project scoping and Cachuma efficiency project**
- 💧 **Gibraltar Ionizer Water Quality Improvement Project**
 - 💧 Discussed at August's, South County Sub-Regional Meeting as being appropriate in timing for upcoming IRWM round.
- 💧 **CCWA Pipeline Extension**
 - 💧 **Added at August's Sub-Regional Meeting**
- 💧 **Hilton Creek/Penstock Project**
 - 💧 **Added at August's Sub-Regional Meeting**
- 💧 **Any others?**

Any Questions?



Prop 1 IRWM Implementation Funding

- 💧 **Proposed New Approach - Overview**
- 💧 **Proposed solicitation schedule**
 - 💧 **At least Two Rounds**
 - 💧 **Round 1 – Draft PSP released late autumn 2017**
 - 💧 **Applications due spring 2018**
 - 💧 **Round 2 2010**
- 💧 **Total proposed funding available (statewide) in Round 1: \$200 million**
 - 💧 **\$185 million (implementation)**
 - 💧 **\$15 million (DAC implementation)**
- 💧 **Total remaining funding available (statewide) in Round 2: \$218.3 million**
 - 💧 **\$182.3 million (implementation)**
 - 💧 **\$36 million (DAC project funds)**

Any Questions?



Other Prop 1 Funding Opportunities - Round 4 – DWR's Water Desalination Grant Program

🔥 Project Types

- **Construction** projects generally consists of the design and construction of a full-scale permanent desalination facility and related infrastructure to result in an operable municipal water supply project. A Construction project can include funding for design, but design will not be funded as a stand-alone project. Construction projects that depend upon future phases for an operable facility are not eligible.
- **Feasibility Study** projects are used to determine the need for a water supply project, to analyze the alternatives to meet the project objective, to determine whether a desalination project is the “preferred alternative”, and if it is, to identify the implementation steps for the project.
- **Environmental Documentation** projects are stand-alone projects for compliance with CEQA or National Environmental Policy Act (NEPA) where the basic feasibility study has already been completed and there is a likelihood for initiation of a construction project. As a requirement for funding, the completed portions of the feasibility study must be submitted with the application.
- **Design Pilot** project is a small-scale prototype for a full-scale project or a full-scale component of a project and is intended to refine design criteria, aid site selection, or study particular technologies or methodologies (conventional or innovative) for the purpose of implementing an already proposed full-scale municipal desalination facility.
- **Research Pilot** projects are typically small-scale prototypes for a full-scale device, equipment, process, or other technology and are intended to advance the knowledge base of new desalination technology, related infrastructure, and by-products treatment and disposal.

Other Prop 1 Funding Opportunities - Round 4 – DWR's Water Desalination Grant Program

June 12, 2017*	Final PSP Release
June 21, 2017*	Public Workshop for Final PSP – Sacramento
July 31, 2017*	Proposals Due, 5 pm PDT.
October 6, 2017*	Announce Desalination Draft Funding Awards – Sacramento
October 13, 2017*	Public Workshop for Draft Funding Awards – Sacramento
November 2, 2017*	Announce Desalination Final Funding Decision
November 21, 2017*	Desalination Agreement Negotiations Begin
Fall/Winter 2017-2018*	Desalination Agreements Executed and Projects Begin

THANK YOU FOR LISTENING



Next Meeting

Cooperating Partners Meeting

September 27, 2017

