

Coachella Valley Integrated Regional Water Management Planning Partners

**Thursday September 12, 2013
1:00 – 3:00 p.m.**

**Coachella Valley Association of Governments
Conference Room #115
73-710 Fred Waring Drive
Palm Desert, CA 92260**

AGENDA

Meeting Objectives:

- A. Keep Planning Partners Up-to-Date on the Technical Evaluations
- B. Update on Disadvantaged Community (DAC) Outreach Program
- C. Discuss Revisions to Existing IRWM Plan Chapters: Region Description, Issues & Needs, and Project Selection
- D. Discuss New IRWM Plan Chapters: Tribal Water Resources and Disadvantaged Communities

Agenda:

- 1. Welcome and Introductions
- 2. Status of IRWM Planning Activities and Schedule
 - a. Update from DWR Representatives
- 3. Update on Coachella Valley IRWM Technical Evaluations
 - a. Integrated Flood Management – Workshop, Sept 18th 10:00am-12:00pm
 - b. DAC Groundwater Quality Evaluation
- 4. Update on DAC Outreach and Assistance
 - a. Presentation of Surveying Effort Results
 - b. Status of Project Development
- 5. IRWM Plan Update Components
 - a. Planning Partners Input on Existing Chapters: Region Description, Issues & Needs, and Project Selection
 - b. Planning Partners Input on New Chapters: Tribal Water Resources and Disadvantaged Communities
- 6. Next Steps
 - a. Integrated Flood Management Workshop, Sept 18th 10:00am-12:00pm
 - b. DAC Workshop, Nov 6th 10:00am-12:00pm
 - c. Public Workshop on IRWM Plan Update, Nov 6th 1:00-3:00pm
 - d. Public Review for 2014 IRWM Plan: Nov 4–Dec 31, 2013

Coachella Valley Integrated Regional Water Management Plan
Planning Partners Meeting
 September 12, 2013

Agenda

- Welcome and Introductions
- Status of IRWM Planning Activities and Schedule
- Update on Coachella Valley IRWM Technical Evaluations
- Update on DAC Outreach and Assistance
- IRWM Plan Update Components
- Next Steps

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IRWM Planning: DWR Update

- DWR Representatives:
 - Anna Aljabiry
 - Melissa Sparks – DAC Outreach Program Grant
 - Evon Willhoff – Implementation Grant and Planning Grant

Coachella Valley IRWM Plan Update: Key Activities



Coachella Valley IRWM Plan Update: Overall Schedule

Tasks	2012	2013	2014
Meetings/Workshops	[Progress bar]		
DAC Water Quality Evaluation	[Progress bar]	[Progress bar]	
Salt & Nutrient Planning	[Progress bar]	[Progress bar]	
Integrated Flood Management	[Progress bar]	[Progress bar]	
Groundwater Monitoring	[Progress bar]	[Progress bar]	
IRWM Plan Update		[Draft] [Review] [Final]	
DAC Outreach Program	[Progress bar]		

- ### Agenda
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 - Update on Coachella Valley IRWM Technical Evaluations
 - Update on DAC Outreach and Assistance
 - IRWM Plan Update Components
 - Next Steps

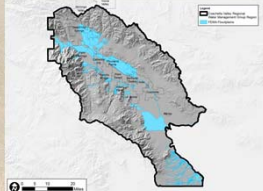
Integrated Flood Management

- What is Integrated Flood Management (IFM): An integrated approach to flood management that considers the entire watershed system and hydrologic cycle rather than political boundaries
- Study Process: Use a GIS database to integrate potential flood hazards and land uses to define potential opportunities and constraints in the Coachella Valley

Integrated Flood Management

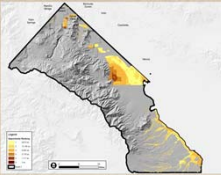
- First Step: map hydrology and flood protection infrastructure in the Coachella Valley
- Second Step: map flood hazard zones
- Third Step: integrate flood data with other data to determine how flooding coincides with land uses, soil types, conservation areas, vegetation, etc.



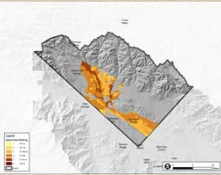
Flood Hazard Types and Locations

Integrated Flood Management

- Opportunity Assessment: Use GIS mapping data to determine areas where there are potential opportunities to implement IFM strategies in the Coachella Valley




Southwest Quadrant (East Valley/Salton City)



Northeast Quadrant (Desert Hot Springs)

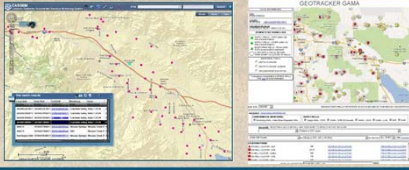
Integrated Flood Management

- Next Step: Develop guidance for selection of appropriate available IFM approaches; guidance can be used in future project selection processes for the IRWM Program.
- Please attend final workshop to provide input and hear results!
 - Date: Wednesday, September 18th
 - Time: 10:00 a.m. – 12:00 p.m.
 - Location: Coachella Valley Water District
75-515 Hovley Lane East
Palm Desert, CA 92211



Groundwater Monitoring

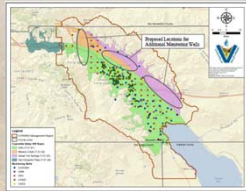
- Valley-wide Groundwater Monitoring Plan
 - Builds on DAC Water Quality Evaluation
 - Acknowledges existing monitoring programs (DWR, CDPH)
 - Incorporates recommendations from Coachella Valley WMP and Mission Creek-Garnet Hill WMP



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Groundwater Monitoring

- Valley-wide Groundwater Monitoring Plan (cont.)
 - Addresses groundwater elevation
 - Addresses constituents of concern, such as:
 - Arsenic, Nitrate, Uranium, Fluoride, Chromium 6, Perchlorate
 - Next steps: Identify 'potential project' with regional benefits based on identified data gaps and monitoring needs



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DAC Outreach Program

Program goals:

- Expand upon previous DAC outreach to target individuals and groups representing DAC issues
- Engage DAC community in identify DAC water management issues and projects to address issues



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DAC Outreach Program: Timeline 2012-2013

Tasks	2012	2013
Outreach Plan	Start	End
Meetings/Workshops	Start	End
DAC Mapping	Start	End
Project Development	Start	End
Prj Planning/Engineering		Start
DAC IRWM Plan Element		Start
Model Program Preparation		Start

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DAC Outreach Program: DAC Mapping and Surveying Process


- Contracts established with and through local NGOs:
 - Loma Linda University
 - El Sol Neighborhood Educational Center
 - Pueblo Unido Community Services District
- Currently producing:
 - Refined maps of DAC locations and reported issues
 - Formal report on perceived water resources issues and needs



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DAC Outreach Program: DAC Project Development

- **Goal:** develop projects based on issues and needs expressed by Planning Partners and DAC stakeholders
- **Issues:** Example – input from DAC stakeholders in the East Valley demonstrated that there are a lot of small, isolated mobile home parks with ongoing wastewater issues




Stakeholders draw a schematic of the Oasis Mobile Home Park along Avenue 70 where septic systems overflow into the park, causing health and safety issues

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DAC Outreach Program: DAC Project Development

- **Results:** Four projects identified and developed to directly address identified DAC issues



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DAC Outreach Program: Next Steps

- **Final DAC Workshop November 6th – Attendance Requested!**
 - Present all final findings of DAC Outreach Program:
 - DAC characterization and mapping (survey results)
 - DAC project results
 - Present draft DAC Outreach Report:
 - IRWM Plan Element (DAC Chapter)
 - DAC Participation in Regional IRWM Effort

<p>Disadvantaged Communities (DAC) Workshop #5 Wednesday November 6th 10:00am-12:00pm Coachella Valley Water District 75-515 Hovley Lane East Palm Desert, CA 92211</p>	<p>Lunch will be provided for those staying for both workshops. Please RSVP to: smohr@rvcwater.com (858) 875-7421</p>	<p>Public Workshop on Coachella Valley IRWM Plan Update Wednesday November 6th 1:00-3:00pm Coachella Valley Water District 75-515 Hovley Lane East Palm Desert, CA 92211</p>
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IRWM Plan Update Components

- Purpose of this discussion:
 - Review proposed changes and additions to IRWM Plan
 - Confirm data sources and identify anything missing
 - Explore additional concepts or issues that should be addressed in IRWM Plan

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IRWM Plan Update Components: Existing Chapters

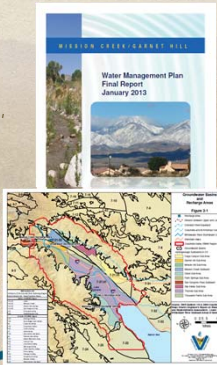
- **Region Description:**
 - Defines the IRWM Region
 - Establishes basis for issues and needs
 - Helps determine regional objectives
- **Issues & Needs:**
 - Identifies water management priorities
 - Provides basis for IRWM projects
- **Project Evaluation and Prioritization:**
 - Describes process for project selection for IRWM funding opportunities

All three chapters developed by CVRWGM and Planning Partners during 2010 IRWM Plan

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IRWM Plan Update Components: Region Description

- Purpose:**
 - Describes IRWM Region – physical, hydrographic (systems, supplies, quality), demographic, conflicts, climate change
 - Provides context for IRWM activities
- General changes:**
 - Update for consistency with current planning documents, permits, data from stakeholders, and other new sources of information available since 2010
 - Highlight IRWM efforts




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IRWM Plan Update Components: Region Description

Key Changes:

- Improve distinction between East Valley and West Valley
- Refine discussion of groundwater basins: pumping, recharge, and overdraft
- Update discussion of non-potable water: sources, uses, and projected demand
- Improve discussion of natural communities, habitats, and Multi-Species Habitat Conservation Plan
- Update with new stormwater permit information

Anything else?




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IRWM Plan Update Components: Issues & Needs

- Purpose:**
 - Defines issues and needs in the Region –basis for development of goals and objectives
- General Changes**
 - Update with current planning documents, data, and information from stakeholders
 - Discuss how recession impacted water management planning and projections – basis for many of the changes in demand, timeframes, and projections

DAC stakeholders provided updated information on DAC issues and needs during the June 2013 DAC Workshops



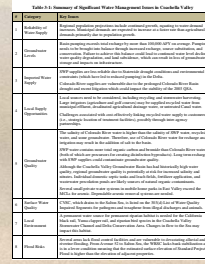
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IRWM Plan Update Components: Issues & Needs

Key Changes:

- Projected water demand for 2030 decreased by ~150,000 AFY
- Update and expand discussion of:
 - Water supplies
 - Stormwater capture
 - Water quality
- Add discussion of alluvial and riverine flooding
- No changes to summary of significant water management issues

Anything else?




See handout

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IRWM Plan Update Components: Project Evaluation and Prioritization

- Purpose:**
 - Defines IRWM-eligible projects
 - Provides mechanism for project inclusion in grant applications
- General Changes:**
 - Highlight IRWM efforts in Valley that address priorities
 - Describe how the process provided in the Plan was used during the Prop 84-Round 2 Implementation Grant application




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IRWM Plan Update Components: Project Evaluation and Prioritization

Key Changes:

- Add one criterion to project scoring process – maximizes stakeholder involvement and stewardship in water resources management (based on Planning Partners input from June 2013)
- Add "interview" step to project selection for grant application inclusion to improve understanding of projects prior to selection
- Remove Appendix B (project list) – because online project database includes "living" project list


Anything else?



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IRWM Plan Update Components: New Chapters

- Developed for the 2014 IRWM Plan Update in response to stakeholder feedback:
 - Tribal Water Resources
 - Disadvantaged Communities



Reservation	Name	Ethnicity/Category	Acres*	Total Tribal Pop.	On-Reservation Pop.
Agua Caliente Reservation	Agua Caliente Band of Coachella Indians	Pan-Cohohoc	31,240	140	-
Augustine Reservation	Augustine Band of Coachella Indians	Pan-Cohohoc	502	8	8
Cabazon Reservation	Cabazon Band of Mission Indians	Cohohoc	1,748	800	-
Mission Indians Reservation	Mission Band of Mission Indians	Pan-Cohohoc	11,000	996	954
Torres-Martinez Reservation	Torres-Martinez Band of Mission Indians	Cohohoc	11,000	110	70
Twenty-Nine Palms Reservation	Twenty-Nine Palms Band of Mission Indians	Cohohoc	24,024	277	42
Fort Mojave Indian Reservation	Fort Mojave Indian Reservation	Chemehuevi	402	107	-

* Based on information available from Wikipedia. Accessed 07/17/2013.
 † Based on information available from the 2010 U.S. Census Bureau's American Indian and Alaska Native Population in the United States. Accessed 07/17/2013.
 ‡ Reservation population may include tribal members and non-members.

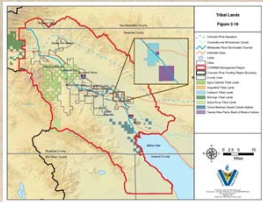
IRWM Plan Update Components: Tribal Water Resources

- Purpose:
 - Provides description of Tribes in the Coachella Valley
 - Improves information on Tribal water management issues and needs, water management efforts, and existing and projected water demands
 - Improves information on Tribal history and how this affects Tribal participation in IRWM planning

Direct, individual outreach to each Tribe provided content for this chapter

IRWM Plan Update Components: Tribal Water Resources

- Key content:
 - 5 of 7 area Tribes interested in participating in IRWM – Agua Caliente, Augustine, Cabazon, Torres-Martinez, and Twenty-Nine Palms
 - Collaboration with Tribes important to ensure water supply for all users
 - Acknowledge future development on Tribal lands and impacts associated with development
 - Describe each Tribal Nation Reservation – demographics, environmental programs, and water resources (as provided by Tribes)



IRWM Plan Update Components: Tribal Water Resources

- Key content (cont.):
 - Tribal water resource concerns – Water quantity, quality
 - Tribal water quality monitoring efforts – Tribal environmental staff collect and report data to U.S. EPA
 - Tribal participation in water resources planning – California Water Plan Update 2009, IRWM Plan, Coachella Valley WMP, Mission Creek-Garnet Hill WMP, Urban Water Management Plans

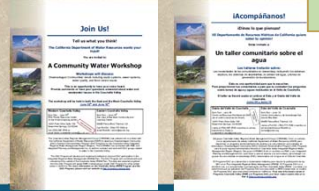
Anything else?



IRWM Plan Update Components: Disadvantaged Communities

- Purpose:
 - Present results of DAC Outreach Program
 - Highlight the importance of DAC inclusion and involvement in IRWM planning

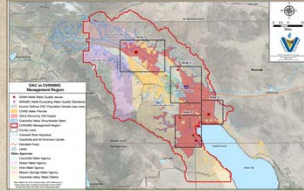
Activities conducted for DAC Outreach Program provided content for this chapter



IRWM Plan Update Components: Disadvantaged Communities

- Key content:
 - History of DAC Participation in Coachella Valley IRWM Program
 - DAC Outreach Program – purpose, actions taken
 - DAC Characterization and Mapping
 - Census, Tapestries, Surveys
 - Outcome: Refined Issues and Needs
 - DAC Project Development
 - Process Recommendations

Anything else?



IRWM Plan Update Components: Next Steps

- Major changes anticipated prior to Public Draft:
 - Incorporate information from DAC Outreach Program when complete
 - Incorporate information from Integrated Flood Management Study when complete
 - Compile new chapters

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Next Steps

- Integrated Flood Management Workshop: **September 18th** from 10:00 a.m. to 12:00 p.m. at CVWD
- Draft IRWM Plan Release – November 2013
 - Public Review for 2014 IRWM Plan: November 4 – December 31, 2013
 - DAC Workshop: Nov 6th from 10:00 a.m. to 12:00 p.m. at CVWD
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Coachella Valley Regional Water Management Group







Coachella Valley Integrated Regional Water Management Plan

Planning Partners Meeting

September 12, 2013