

## Appendix A: Stakeholder Meeting Notes

This appendix contains meeting notes from a Public Workshop meeting that was held on June 22, 2010, from Disadvantaged Communities Outreach meetings that took place on May 20<sup>th</sup>, July 28<sup>th</sup>, and September 21<sup>st</sup> of 2010, from a Coachella Valley Tribes Outreach Meeting held on May 20, 2010, and from Planning Partners meetings held on May 19<sup>th</sup>, July 20<sup>th</sup> and September 28<sup>th</sup> of 2010.



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**Coachella Valley Integrated Regional Water  
Management (IRWM) Program  
Public Workshop #2**

**Tuesday June 22, 2010  
1:30 – 3:30 p.m.**

**Rancho Mirage Public Library  
71100 Hwy 111, Rancho Mirage CA**

**DRAFT NOTES**

**Meeting Objectives:**

- A. Create a common understanding of the Coachella Valley IRWM program, including schedule, key milestones, and stakeholder involvement.
- B. Obtain feedback on regional water resource issues that can be addressed in the IRWM planning process.
- C. Discuss draft IRWM Plan goals and objectives which respond to the identified issues.
- D. Provide information about project solicitation, including explanation of the purpose/need for a project database.
- E. Share/capture other relevant thoughts and ideas for future discussion.

**1. Welcome and Introductions**

Tom West, RMC Water and Environment, welcomed everyone to the Coachella Valley IRWM public workshop and reviewed the meeting objectives. Introductions were made around the room.

**2. What is IRWM Planning?**

Tom West provided an overview of IRWM planning, which is a regional approach for addressing water management issues preferred by the California Department of Water Resources (DWR) and the State Water Resources Control Board. IRWM planning is important because it 1) fosters agency collaboration, 2) supports effective water management, 3) enables stakeholder participation, and 4) positions the region for funding.

The Coachella Valley IRWM program is being led by the five water purveyors, collectively known as the Coachella Valley Regional Water Management Group (CVRWVG): Coachella Water Authority, Coachella Valley Water District, Desert Water Agency, Indio Water Authority, and Mission Springs Water District. The Planning Partners – who will serve in an advisory role for IRWM Plan development – are currently being identified and may include representatives from the County of Riverside, cities, disadvantaged communities, tribes, and natural resource groups. Work-to-date includes submittal of a Region Acceptance Process application to DWR to qualify as an IRWM

region (April 2009); a public workshop (October 2009); hire of a consultant team to support preparation of the IRWM Plan; and several planning meetings to identify key issues and next steps (May 2010).

The IRWM Plan will 1) Identify water resource needs, issues, and conflicts; 2) Establish regional goals and objectives for water management; 3) Identify water management projects that contribute to Plan goals; and 4) Define how regional coordination is enhanced by Plan implementation. DWR's IRWM Plan requirements were presented and a sample IRWM Plan outline was provided.

The proposed timeline for IRWM Plan development includes identification of needs, issues, and objectives through July; project integration, ranking, and prioritization through August; and preparation of the draft IRWM Plan through October. Following a public review and comment period, the final IRWM Plan will be completed and adopted in December 2010.

The IRWM program provides grant funding opportunities through Propositions 84 and 1E. Proposition 84 will direct \$36 million to the Colorado River Funding Area, where it will be distributed competitively among four IRWM regions (Coachella Valley, Borrego, Imperial, and portions of Mojave). The Proposition 84 funds are anticipated to be released in three rounds over the next few years. Project activities eligible for IRWM funding should reduce water demand, improve operational efficiency and transfers, increase water supply, improve flood management, improve water quality, or practice resource stewardship. Proposition 1E will provide \$300 million Statewide for stormwater and flood management projects, to be distributed on a competitive basis.

Additional IRWM activities in Coachella Valley include a Disadvantaged Communities (DAC) Outreach Demonstration Program and a Planning Grant application for support of additional IRWM planning activities. Stakeholders can stay informed about the IRWM program through public workshops at key milestones, the [www.cvrwmg.org](http://www.cvrwmg.org) website, newsletters and press releases, online project database, and stakeholder email list.

### **3. Water Resource Issues**

Tom West asked the workshop participants to break up into Issue Groups to brainstorm the various water resource issues in Coachella Valley. The Issue Groups included: Water Supply/Conservation, Groundwater, Wastewater/Recycled Water, Stormwater/Flood Control, and Natural Resources.

Questions asked of each Issue Group included the following:

- What are the key water management issues facing the Valley? Why are these issues important to you or to the region?
- Where are the water management conflicts that need to be resolved?
- Are some issues more important than others? Please place a star next to your top 3 priority issues.

**Appendix A** contains the recorded notes from each Issue Group.

#### **4. IRWM Plan Goals and Objectives**

Tom West facilitated a group discussion about what goals and objectives should be established for the IRWM program. The suggested goals included: 1) Optimize water supply reliability; 2) Protect water quality; 3) Provide stewardship of our water-related natural resources; 4) Coordinate and integrate water resource management; and 5) Ensure cultural and social sustainability of water in the Valley.

Discussion and suggestions included:

- Primary purpose of the IRWM Plan should be to establish an ongoing process to manage water in the Coachella Valley. Suggestion to add a new Objective #5 related to an ongoing water management process.
  - Note that CVRWGMG will be developing a Mission Statement to explain the overall purpose of the IRWM program.
- Suggestion to add a new Goal #6 addressing the water and sanitation needs of disadvantaged communities.
  - Need to make water and sanitation more sustainable in disadvantaged communities through package plants, conservation, and training/education.

#### **5. Project Solicitation**

Tom West explained that project solicitation is the process of compiling a comprehensive list of implementation projects in the region. Compiling this list allows the CVRWGMG and stakeholder to prioritize projects for grant funding and inclusion within the IRWM Plan. IRWM projects are defined by the concept of integration, where multiple water management strategies are integrated together to achieve IRWM Plan goals and objectives.

Projects submitted by Friday July 30, 2010 may be included in the IRWM Plan. Projects may be submitted after the deadline for consideration in future rounds. As each new grant cycle arises, announcements will go out to update or submit projects for consideration.

Local project sponsors can submit their projects through the online project database, which is accessed through the [www.cvrwmg.org](http://www.cvrwmg.org) website. Once project sponsors create a user account, they can add, edit, and submit projects to the database. The submittal forms request information about project description, budget, and project feasibility. Project sponsors can also view all other submitted projects and identify potential project partners. Finally, to facilitate partnerships, the database allows for the sharing of projects by multiple users.

#### **6. Next Steps**

Tom West reviewed the next steps involved in the Coachella Valley IRWM program and thanked all participants for attending:

- Call for Projects is open through July 30, 2010
- Planning Partners will draft goals/objectives, prioritization criteria, and regional priorities
- Public Workshop #3 will be held in October to review drafts
- Draft IRWM Plan released for public review in November

## Appendix A: Issue Groups

*\*\*All bullet points are listed in order of importance/priority, with the number of stars applied by workshop participants listed.*

### Water Supply / Conservation Issue Group

- Bay Delta Fix \*\*\*\*\*
- East Valley Water System (pipelines) Cost-Benefit \*\*\*\*
- Reliability \*\*\*\*
- Land Use \*\*\*
- Overdraft \*\*
- Groundwater Protection
- Cost
- Outreach to Landscapers
- Recycled water
- Desalination
- Privatization

### Groundwater Issue Group

- Unincorporated areas, health issues \*\*\*\*\*
  - Thermal Oasis, Mecca
  - Cost of water supply and quality/treatment (arsenic)
- Groundwater overdraft \*\*\*\*
- Quality of recharge supply (Colorado River) \*\*\*\*
  - High quality water is being recharged with inferior water
  - Shallow wells/water table
- Partnerships for water quality treatment \*\*\*
- Salton Sea \*
- Overlaps with all of the other issues!
- Infrastructure and communication among agencies
- Central water system
- Shared management
- Water testing based on demand and purpose

### Wastewater /Recycled Water Issue Group

- Need for septic to sewer conversions \*\*\*\*\*
- Agency agreements for geographic efficiency – Opportunities for collaboration/regionalism of wastewater / recycled water systems. \*\*\*\*\*
  - Strategic location based on supply.
  - Conflict – Recycled water availability is not where demand is.

- Recycling of agricultural return flows \*
  - Not eligible by RWQCB (food crops)
  - Focus on golf course irrigation and ground water recharge
- Remote farm worker communities – Inefficient to extend municipal water and sewer systems. \*
  - Solution = Decentralized systems
- Cooperation between purveyors for water management. \*
- Regulatory setting – NPDES and Salt/Nutrient management
- East Valley – Septic contamination of aquifer and agriculture irrigation
  - Poor percolation due to clay later
  - Solution = Recycling! Would also reduce pumping.
- Incentives/subsidies or regulations for using recycled water
- Reluctance to aid DACs from water agencies
- Standards and regulations

### **Stormwater / Flood Management Issue Group**

- Water Quality \*\*\*\*
  - Beneficial Uses
  - TMDLs (CVSC) \*
- Stormwater Capture \*\*\*
- Flood Protection Plan \*\*
- Alluvial /flood mapping \*
- Address lack of resources
- Flood mitigation and MHPs in rural East Valley

### **Natural Resources Issue Group**

- Perched groundwater \*\*\*\*
- Public access to trails and flood control \*\*\*
- Nuisance water in the east Valley \*\*\*
- Combining recharge with recreation \*
- Potable water for recreation \*
- Potable water for development past Mecca \*
- Sewer for development past Mecca (currently hauling) \*
- Thousand Palms flood control
- Overlap of regulatory needs (mapping)
- Flood control past Avenue 66
- Regulatory issues regarding drainage
- M.S.H.C.P.
- Cultural resources in Coral Mountain Area

# Coachella Valley Integrated Regional Water Management Program Planning Group

Wednesday May 19, 2010  
1:30 – 3:30 p.m.

Colorado River Regional Water Quality Control Board  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260

## DRAFT NOTES

### Attendees:

#### Planning Group

Doug Wylie, Colorado River RWQCB  
Robert Perdue, Colorado River RWQCB  
Lynda Kerney, Riverside County  
Bob Lyman, Riverside County  
Mike Gialdini, Riverside County  
Mike Shelter, Riverside County  
Yvonne Parks, City of Desert Hot Springs

#### CVRWVG

Arden Wallum, MSWD  
Marilyn McKay, MSWD  
Mark Krause, DWA  
Katie Ruark, DWA  
David Tate, DWA  
Dan Parks, CVWD  
Patti Reyes, CVWD  
Paul Giera, IWA  
Andrea Riesgo, IWA  
Tom West, RMC  
Roselyn Stewart, RMC  
Daniel Cozad, IPM

### Meeting Objectives:

- A. Create a common understanding/expectations of the Coachella Valley IRWM program, including schedule, key milestones, and stakeholder involvement.
- B. Obtain feedback on regional water resource issues to make sure issues are covered and articulated appropriately.
- C. Confirm involvement in and commitment to future meetings and to providing input to IRWM Plan development. Confirm key points of contact. Identify other potentially important participants.
- D. Share/capture other relevant thoughts and ideas for future discussion.

### Meeting Notes:

#### Introduction to IRWM Program

Tom West, RMC Water and Environment, provided an overview of the State's IRWM program and its goals/objectives, upcoming Prop 84 funding opportunities, and the activities considered relevant to IRWM planning. He provided an overview of the CVRWVG and the Coachella Valley



IRWM region. Finally, he reviewed the proposed work plan and schedule for development of the Coachella Valley IRWM Plan.

- IRWM is a primary mechanism for communication of water-related needs to the State Department of Water Resources, regulators, etc.
- County recommends discussion with other 3 IRWM efforts in the Colorado River Funding Area to limit competition and allocate Prop 84 funding (\$36M)
  - Mojave IRWM Plan has been adopted. They straddle the Lahontan and Colorado River Funding Areas and could potentially apply for funding from both.
- Is there a need to develop governance with stakeholders or form an advisory committee? Can this Planning Group serve to advise Plan development?

## **Issues Identification**

Rosalyn Stewart, RMC Water and Environment, provided an overview of the water-related issues identified to date through a review of local water management plans and studies. She invited additional feedback and clarification on the issues.

### Regional Demands

- How are population projections coordinated by water purveyors?
  - Some agencies question the SCAG projections for 3 million by 2020. Much of new growth in Riverside County is expected to occur in Coachella Valley.
  - 100,000 roofs over the next 10-15 years (brand new projections via Compass process) – driven by affordable housing component
- DWR looks for planning coordination with land use agencies.

### Water Quality

- Concern in Lower Valley regarding heavy metals (arsenic) in groundwater. Affordable housing (in particular mobile housing) uses this groundwater supply; some residents buy bottled water.
  - Riverside County Environmental Health and EPA (tribal lands) are both monitoring.
  - Size of system is key to management (<14 regulated by County vs. 15-200 both State and County vs. >200 regulated by State).
  - CDPH focuses on drinking water. RWQCB focuses on surface and groundwater.
  - 50 PPM and above in Torres/Martinez reservation. System treatment cost is high. Resources are significantly limited.
  - Arsenic MCL was recently decreased to 6 PPM – created a sudden groundwater quality issue.
- Organizations addressing water quality – DACE (Desert Alliance for Community Empowerment), USDA Rural Development Office, CDPH grants, Torres/Martinez Tribes with RCAC, Pueblo Unido
- Fluoride and other contaminants are also of concern.
- Salinity issues associated with regenerative water softeners and recharge activities.
- Bacteria TMDL is being developed for the Coachella Valley Stormwater Channel (sources = illegal discharges from housing/recreation). Agencies responsible for management measures include CVWD, RCFCWCD, and cities.

- High uranium concentrations in MSWD service area.
- Septic systems create water quality issues related to health and safety.
- Need for municipal drainage system when agricultural uses transition to urban development (drains are only ag-based.)
  - This issue is addressed through the NPDES MS4 program for developments.
  - Drainage system is key for maintaining salt balance in the region. Need drainage improvements within the unincorporated areas.

### Water Supply

- Groundwater availability, source substitution, and water conservation are issues
- Irrigators are anticipating the Mid-Valley Pipeline because of declines in groundwater levels and associated pumping costs.
- Because of geology in Valley, West Valley subbasins may continue to appear in overdraft when the rest of Valley conditions appear to be getting better.
  - Mecca area is returning to artesian conditions (due to changes at fish farm) and well hydrographs are returning to mid-80s levels.
- Lower Valley faces greater subsidence risk/condition. Subsidence risk must be balanced with liquefaction due to earthquakes.
- Suggestion to capture additional surface runoff for recharge. Collaborate w/RCFCWCD to develop stormwater capture facilities.
- Have not looked into identifying recycled water systems “zones” to cost-effectively use recycled water supplies (strategic partnerships among agencies)
  - Opportunity to exchange supply based on location of treatment facilities and customers (i.e., golf courses).
  - Recycled water energy costs are similar to potable water treatment.
  - Localized recycled water treatment plants can be developed for big irrigators both within and outside Districts.
  - Challenge in East Valley related to recycled water = no customers.
  - While agriculture could be a demand, there are big concerns about perception of using recycled water on food crops.
- Matching Quality to Use – Should place emphasis on source substitution for non-potable uses (e.g. Mid-Valley Pipeline)
  - Golf courses, parks, schools, agriculture can all use non-potable supply

### Flooding

- Flood managers may not get as much interaction with land use planning agencies to ensure provision of facilities in development review.
- Whitewater River Stormwater Channel needs levee stabilization.
- Flooding issues in Thousand Palms. USACE is proposing system of levees to go east into the Rio del Sol to Warner.
  - East of Washington is key area of concern.

- Current lack of flood control in East Valley prevents higher density development and associated water demands. Affordable housing demands may drive flood control.
- Need planning for East Valley flooding – South Valley Implementation Plan was begun but abandoned.
- MSHCP requirements and alluvial flooding issues making development very difficult for the City of Desert Hot Springs.
- Mission Springs area is in need of a flood master plan. A County Master Drainage Plan (MDP) or Area Drainage Plan (ADP) not being done for the Coachella Valley.
- Hwy 111 between Palm Springs and Cathedral City (Eagle Canyon) also experience flooding.
  - Flooding across the Whitewater River Stormwater Channel closes Palm Springs roadways (Vista Chino-Gene Autry and others).

### Regional Priorities

- Priorities to be addressed in IRWM Plan → Water Supply
  - Coachella Valley economy is driven by: 1) recreation/resorts, 2) agriculture, and 3) construction/development – All of which need water supply
  - Emphasis on development and ease of complying with WSAs + UWMPs.
- Prioritization should distinguish between urgent and important. Highest priority is the need to provide and protect water supplies.
- Suggestion to combine multiple projects together for greater benefits. Create regional programs for supply/quality reliability.
  - May be good approach for: A) septic conversion or B) arsenic remediation.
- Climate change – Not a key issue, but needs to be addressed per DWR's IRWM Plan Standards.
- Salt/Nutrient Management may be incorporated as part of the Planning Grant.

### **Stakeholder Outreach**

Tom West provided a summary of the proposed stakeholder and public outreach strategy, including several more meetings of this Planning Group to guide development of the IRWM Plan. He also described the Disadvantaged Communities Outreach Demonstration Project proposal that the CVRWMG has submitted to DWR for additional funding.

- Agricultural interests should be involved – Farm Bureau or others

# Coachella Valley Integrated Regional Water Management Program

## Planning Partners

Tuesday July 20, 2010  
1:30 – 3:30 p.m.

Colorado River Regional Water Quality Control Board  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260

### DRAFT NOTES

*Action items are shown in italics.*

#### Attendees:

##### Planning Partners

Anna Vargas, Poder Popular  
Anthony Madrigal, 29 Palms Band of Mission Indians  
Bill Bayne, City of Cathedral City  
Bud Kopp, City of Rancho Mirage  
Buford Crites, Friends of the Desert Mountains  
Dave Barakian, City of Palm Springs  
David Saldivar, Augustine Band of Cahuilla Indians  
Doug Wylie, Colorado River RWQCB  
G. Patrick O'Dowd, WYoung  
Greg Young, Cocopah  
Jason Uhley, Riverside County Flood Control and Water Conservation District  
Jennifer Hernandez, California Rural Legal Assistance Foundation  
Jennifer Wong, Department of Water Resources  
Kim Snyder, Bureau of Indian Affairs  
Les Ramirez, Augustine Band of Cahuilla Indians  
Margaret Park, Agua-Caliente Band of Cahuilla Indians  
Marshall Cheung, 29 Palms Band of Mission Indians  
Mike Gialdini, Riverside County  
Rex Sharp, Valley Sanitary District  
Robert Perdue, Colorado River RWQCB  
Roland Ferrer, Torres Martinez Desert Cahuilla Indians  
Yvonne Parks, City of Desert Hot Springs

##### CVRWMG

Andrea Riesgo, IWA  
Dan Parks, CVWD  
Daniel Cozad, IPM  
David Tate, DWA  
Gary Lewis, IWA  
Katie Ruark, DWA  
Marilyn McKay, MSWD  
Mark Krause, DWA  
Patti Reyes, CVWD  
Roselyn Stewart, RMC  
Tom West, RMC

## **Meeting Objectives:**

- A. Keep participants up-to-date on the Coachella Valley IRWM program.
- B. Review and confirm feedback from the June 22 Public Workshop on draft IRWM Plan goals and objectives.
- C. Discuss the open Call for Projects and draft project prioritization criteria to be used to evaluate implementation projects.
- D. Discuss the draft detailed IRWM Plan outline.
- E. Identify future agenda items for Planning Partners meetings.

## **Meeting Notes:**

### **Update on IRWM Planning and Schedule**

Tom West, RMC Water and Environment, provided an update on the State's IRWM program and its upcoming Prop 84 funding opportunities. He provided an overview of the schedule for development of the Coachella Valley IRWM Plan, including future Planning Partners meetings.

- What is the deadline for submitted projects? Deadline for submitting projects for the draft IRWM Plan and Prop 84 Round 1 funding is July 30, 2010. There will be another opportunity to submit projects before Rounds 2+3 of Prop 84 grant cycle and concurrent with the DAC Outreach Demonstration Program.
- Who is responsible for drafting the IRWM Plan? CVRWGMG is the body responsible for preparing the draft IRWM Plan, in collaboration with the Planning Partners.

### **IRWM Plan Goals and Objectives**

Rosalyn Stewart, RMC Water and Environment, presented the draft Goals and Objectives that were discussed at the June 22 Public Workshop. Two suggestions raised at the workshop were discussed with group. CVRWGMG recommends no changes because in DWR's prioritization structure, objectives (not goals) are the key for measuring progress.

### **Call for Projects – Open through July 30, 2010**

Tom West reviewed the Call for Projects timeline and emphasized the importance of submitting projects into the database. The submitted projects will be included in the IRWM Plan to communicate to DWR and others the water management needs in the Valley. The submitted projects will also be considered for Prop 84 Round 1 funding, which may bring up to \$4 million to the region.

- Can a project under construction apply for funding? Yes, although grant funding is not intended to replace existing CIP spending, but rather future phases of work.
- How much IRWM grant funding is available through Prop 84? \$36 million has been earmarked for the Colorado River Funding Area (which also includes the Imperial Valley and Borrego Valley regions).
- Are there safeguards built into the 'sharing' functionality of the project database? There are no safeguards built in, so share your projects only with trusted partners. Anyone who shares the project can edit and resubmit.
- Can the sharing functionality be turned off? Yes, you can turn off a sharing partner.
- Will RMC help to refine project information? Yes, once the short list of projects has been identified for Prop 84 Round 1, RMC will help will help expand project descriptions.

- Will City Managers and CVAG be informed about progress on the IRWM Plan? Yes, CVRWGMG agrees to give briefing to CVAG on IRWM Plan progress (last Mondays).
- Concern expressed about July 30th deadline and the inability for DACs to fully complete their project submittals. Project concepts can be included in the project database at this time in order to meet timeline. Also, CVRWGMG is hosting an open house on July 28<sup>th</sup> to help DACs enter their projects into the database.
- Who is the agency to administer grants? CVRWGMG has chosen CVWD to administer IRWM grant funding (planning and implementation). All project proponents who are included with the grant application will contract with CVWD.
- Who selects projects for the grant applications? The project selection process is not defined yet. It will be based partially on the project prioritization criteria discussed today.
- RMC to provide Planning Partners with link to DWR's IRWM Grant Program Guidelines and Proposal Solicitation Packages (PSPs).
- RMC to send final submitted list of projects to the Planning Partners in August.

### **Draft Project Prioritization Criteria**

Rosalyn Stewart presented the draft project prioritization criteria for the IRWM Plan. The criteria are based on three basic principles: 1 DWR's Principles of IRWM Planning; 2 Priorities of the Coachella Valley; and 3 Project Feasibility.

- Suggestion to reduce weighting of 1C Addresses a Statewide Priority, 1D Linked to Other Projects, and 1E Involves More Than One Partner.
- Suggestion to reformat 2 Priorities of the Coachella Valley to provide maximum points if only 1 priority is accomplished.
- Suggestion to consider project readiness and amount of funding match. However, these factors may be better considered in project selection for grant applications.
- Suggestion to reduce weighting for 3 Project Feasibility.

### **Detailed IRWM Plan Outline**

Tom West presented the draft detailed outline for the IRWM Plan and invited any comments or suggestions from the Planning Partners.

### **Next Steps**

Tom West identified the topics for our next two Planning Partners meetings:

- September 28 Planning Partners → Project Ranking, Focus on Implementation
- October 26 Planning Partners → Review of Admin Draft IRWM Plan

# Coachella Valley Integrated Regional Water Management Program

## Planning Partners

Wednesday September 28, 2010  
1:30 – 3:30 p.m.

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

### NOTES

#### Attendees:

##### Planning Group

Anna Vargas, Poder Popular  
Barbara Hall, Sky Valley Chamber  
Bill Bayne, City of Cathedral City  
Cindy Nance, Desert Edge Community Council  
Dave Barakian, City of Palm Springs  
David Saldivar, Augustine Band of Cahuilla Indians  
Debi Livesay, Torres Martinez Desert Cahuilla Indians  
Jennifer Wong, Department of Water Resources  
Jose Cortez, Colorado River RWQCB  
Margaret Park, Agua-Caliente Band of Cahuilla Indians  
Megan Beaman Carlson, California Rural Legal Assistance  
Foundation (via phone)  
Mike Gialdini, Riverside County  
Miriam Torres, Environmental Justice Coalition for Water  
Sergio Carranza, Pueblo Unido CDC  
Yvonne Parks, City of Desert Hot Springs

##### CVRWVG

Anders Wistrom, IWA  
Marilyn McKay, MSWD  
Mark Krause, DWA  
Katie Ruark, DWA  
David Tate, DWA  
Dan Parks, CVWD  
Patti Reyes, CVWD  
Tom West, RMC  
Daniel Cozad, IPM

#### Meeting Objectives:

- A. Keep participants up-to-date on the Coachella Valley IRWM program.
- B. Review numerical ranking of submitted project list and brainstorm implementation priorities for Prop 84-Round 1 cycle.
- C. Discuss long-term organizational structure for Coachella Valley IRWM program.
- D. Identify future agenda items for Planning Partners meetings.

#### Meeting Notes:

##### Welcome and Introductions

Tom West, RMC Water and Environment, welcomed the Planning Partners, who did self introductions. The group reviewed the agenda.

Cindy Nance, Desert Edge Community Council, asked why the project list was different from last week's. RMC has incorporated some of the clarifications since last week and pulled out projects that support new development.

### **Update on IRWM and Planning Schedule**

Tom West provided an overview of the IRWM program schedule, including: IRWM Plan development, the Planning Grant proposal, and the Implementation Grant proposal.

Planning Partners questioned the schedule and what adoption of the IRWM Plan means to them and their boards. CVRWGMG explained that the Planning Partners do not have to adopt the Plan by December; however, the group is looking for letters of support.

*[Correction: Any agencies/organizations whose projects are included in the Implementation Grant Proposal must also adopt the IRWM Plan by the end of December 2010.]*

There was some concern about the quick turnaround on the Screen Check Draft IRWM Plan. CVRWGMG explained that comments will also be accepted during the public comment period, but that they wanted to give the Planning Partners an early review opportunity. The Screen Check Draft IRWM Plan will be distributed electronically.

Planning Partners asked if their comments were incorporated into the Planning Grant Proposal. CVRWGMG said that while all comments did not all make it into the proposal, they can be worked into the proposed Work Plan before a contract is signed with DWR.

*[Correction: Comments received by Friday September 24<sup>th</sup> were incorporated into the Planning Grant Proposal. RMC responded to all commenters with status.]*

The Final IRWM Plan will be released November 30, 2010. The CVRWGMG boards will then adopt the Plan in December 2010.

There will be more funding available in Prop 84-Round 2 which will likely be mid-2011. Prop 1E funding will also be available in the spring of 2011.

### **Review and Discuss Ranked Project List**

Tom West explained that the submitted project list was updated and re-exported. The scores should not be considered best to worst, as they are simply used to put projects into tiers. We may remove the scores within the IRWM Plan document.

- The projects are color coded for integration purposes. Several themes emerged from the project list – arsenic treatment, septic-to-sewer conversion, water conservation, and stormwater management.
- The short-term arsenic treatment project has been added.

### **Priorities for Implementation**

Planning Partners asked if there is still an opportunity to add to the project list. There is always an opportunity to add, the database is always open, but for this round we are moving forward with what we have now. For additional projects, Planning Partners should be thinking about Round 2 and Prop 1E funding. There will be more time in the future to fund additional projects.

Planning Partners said that they are looking at the total grant funds requested. CVRWGMG will be discussing that issue, as well as funding match availability; those factors will be taken into account when choosing projects. CVRWGMG is working on putting together a package of projects based on the total amount of money available, the readiness to proceed, and the connection with DWR's priorities.



Part of the rush is because no one else in the Colorado River Funding Area will have completed an IRWM Plan in time to receive Round 1 funding, meaning that CVRWGMG will not be competing against anyone else in the Funding Area.

The CVRWGMG screened out projects that supported new development, because:

- Cities and agencies have similar policies in that developers pay fees to meet their needs, i.e. new development has a set funding source.
- Partners said it is logical to meet the needs of existing communities first.

The Desert Edge Community is dependent on new development. There was some discussion of being willing to consider new projects if they are able to pick up DACs along the way, but timing of that could be challenging. Suggestion to look at SCAG region priorities, which are clustered, and perhaps encourage the direction of growth in line with those priorities.

While the region won't get funding to meet the needs of all these projects, having projects in the IRWM Plan may lead them to be able to get funding elsewhere.

### Opportunities for Project Integration

Combining projects into programs may also help with additional funding. For Round 1, CVRWGMG is looking at a package that includes water conservation, arsenic treatment, and septic-to-sewer programs. Putting together sub-committees or groups to unite on these needs might be a good idea.

CVRWGMG will spend the next three weeks looking at sets of projects and will bring back a package to the Planning Partners at the next meeting. Planning Partners will see the projects a week before. The group can then give the CVRWGMG feedback – the challenge of the Planning Partners is balancing the needs of the agency they represent with the needs of the region.

Planning Partners said some of the flood control projects were not color coded blue. They will send Rosalyn Stewart of RMC Water and Environment feedback on that. There was a request that this could be printed in black and white, maybe with a column indicating what category it is.

There was a question about how water conservation helps everyone as DACs rarely benefit from conservation programs that agencies offer. CVRWGMG hopes that the DAC Demonstration Program outreach will help address the best ways to reach DACs for conservation purposes.

### **Discuss Long-Term Organizational Structure**

Daniel Cozad provided a brief overview of the proposed organizational structure for the IRWM Plan. At this time, the region is developing many pieces of the IRWM program all at once, but in the future it will be done at a slower pace.

There is no voting in the Coachella Valley IRWM organizational structure. All decisions are made by agreement and consensus. If anyone has concerns about the organizational structure, they should send them to Daniel Cozad of Integrated Planning and Management.

Suggestion that the CVRWGMG create a seat for DACs, tribes, etc. in the Planning Partners – there already are DACs and tribes at the table. Also, there are a lot of meetings planned and groups need funding to be able to attend them all. Group should consider these factors in the meeting schedule.

### **Next Steps**

Tom West summarized next steps in the planning process. Responses to the project list must be sent in within a week; the group will re-examine flood projects. The next Planning Partners meeting is on Tuesday October 26th and will address the Screen Check Draft IRWM Plan.

# Coachella Valley Integrated Regional Water Management Program Disadvantaged Communities (DAC) Outreach

Thursday May 20, 2010  
8:30 – 10:30 a.m.

Coachella Valley Water District  
85-995 Avenue 52  
Coachella, CA 92236

## DRAFT NOTES

### Attendees:

#### DAC Workgroup

Sergio Carranza, Pueblo Unido  
Miriam Torres, EJCW  
Jennifer Hernandez, CRLAF  
Rita Sonnenberg, Desert Edge  
Betty Leehan, Desert Edge  
Cindy Nana, Desert Edge  
Anna Vargas, Poder Popular  
Jose Huerfa, Poder Popular  
Anna Aljabiry, DWR

#### CVRWVG

Marilyn McKay, MSWD  
Mark Krause, DWA  
David Tate, DWA  
Katie Ruark, DWA  
Dan Parks, CVWD  
Patti Reyes, CVWD  
Paul Giera, IWA  
Andrea Riesgo, IWA  
Tom West, RMC  
Roselyn Stewart, RMC  
Daniel Cozad, IPM

### Meeting Objectives:

- A. Create a common understanding/expectations of the Coachella Valley IRWM program, including schedule, key milestones, and stakeholder involvement.
- B. Obtain feedback on regional water resource issues to make sure issues are covered and articulated appropriately.
- C. Confirm involvement in and commitment to future meetings and to providing input to IRWM Plan development. Confirm key points of contact. Identify other potentially important participants.
- D. Share/capture other relevant thoughts and ideas for future discussion.

### Meeting Notes:

Patti Reyes, Coachella Valley Water District, welcomed the group and thanked them for attending. Daniel Cozad, Integrated Planning and Management, introduced the meeting agenda and facilitated the discussion.

## Introduction to IRWM Program

Tom West, RMC Water and Environment, provided an overview of the State's IRWM program and its goals/objectives, upcoming Prop 84 funding opportunities, and the activities considered relevant to IRWM planning. He provided an overview of the CVRWMG and the Coachella Valley IRWM region. Finally, he reviewed the proposed work plan and schedule for development of the Coachella Valley IRWM Plan.

- Clarification that region may not be eligible for Round 1 Implementation Grant funding because we don't have an adopted IRWM Plan yet.

## Issues Identification

Daniel Cozad provided an overview of the water-related issues identified to date through a review of local water management plans and studies. He invited additional feedback and clarification on the issues important to DACs.

### Water Supply

- Affordability of water and wastewater is key issue for DACs. How can DAC needs be addressed without increasing rates?
  - Water rate increases are a disproportionate burden on DACs. Ongoing operational costs for water management at issue.
  - Issue is complicated by other income and affordability issues, such as housing.
- Water supply is critical to DAC communities – both adequate affordable supply, as well as water quality that meets current potable water standards.
- Supplies vary from trucked water to shallow agricultural or drinking water wells. However, all of these may have maintenance issues.
  - Because many communities are remote (sited due to proximity to agricultural employment and/or land affordability), cost to extend municipal service is generally prohibitive.
  - Local technical solutions need to be developed, although some special treatment costs can also be high.
  - Need for a “master plan”-type evaluation was identified for developing a potential program of solutions. However, some small systems maintain desire to be independent.
- Concern that groundwater pumping is not being adequately monitoring re: overdraft. Questioned how supply projections are developed.
- In Desert Edge, mineral water wells (hot) corrode pumps/pipelines.
- Drinking water supply needs to be available to communities' w/contaminated wells.
  - Access to hauled water in mobile home parks. Grocery store water machines run out in summer.
- Some wells in East Valley are above perched aquifer and are not suitable for drinking.

### Water Quality

- Water quality in drinking water is most important to DACs. Groundwater quality issues include fluoride, arsenic, and TDS/minerals.
- Arsenic issues in East Valley groundwater supply. Levels exceeding MCL – residents displaying acute symptoms.

- RCAC has completed a groundwater monitoring study in East Valley mobile home parks – Anna to provide copy.
- Enforcement of water quality regulation is complicated by the overlapping jurisdictions, state, tribal, and county and the unpermitted status of some water systems.
- Pueblo Unido is working w/CVWD to address water supply and sewage at municipal scale. However, many DACs not within urban areas – farm workers in rural areas need clean water.
- Rural water treatment systems (new technologies) and training are needed in these rural/remote areas.
- Many illegal mobile home parks in East Valley – Riverside County Dept of Environmental Health (DEH) and Economic Development Agency (EDA) need to be involved in solutions.
  - Root is regional housing affordability issues. But County is reluctant to address housing issues; mobile home parks often formed by extended families who purchase 1 plot land.
  - County DEH does enforce monitoring for permitted water systems.
- Suggestion to establish regional water quality lab for testing of well drinking supplies and distribution of information to residents.
- Concern about pharmaceuticals/ Contaminants of Emerging Concern (CECs) in septic systems at Desert Edge (retirement communities) – how is septic leaching affecting groundwater quality?

### Wastewater

- Sewer management is a critical issue with several aspects:
  - Inadequate or undersized facilities in some areas.
  - Septic systems located in low percolation areas (e.g., high groundwater and clay soil in East Valley).
  - Septic in areas that may contaminate high quality groundwater or hot water sources.
- Septic to sewer conversion efforts are underway, but costs/difficulty may be high.
- Municipal services hookup is complicated due to the rural and agricultural nature of some areas. Affordability further complicates regular municipal services.
- Septic issues in mobile home parks (both legal and illegal) in Desert Edge – Few parks are reliably disposing of their septic tanks. Operations and maintenance are inconsistent between different parks.
  - Illegal mobile homes parked on the desert are dumping their septic on the ground. No policing of septic disposal.
- High density mobile home parks (24 parks with ~5-10,000 elderly residents) in Desert Edge contain seasonal populations and reduce wastewater disposal affordability.
- Hot water basin is not suitable for drinking. CVWD does monitor basin to establish water levels/pumping.
  - Suggestion that the IRWM Plan define monitoring conducted throughout Valley.
  - MSWD has done some nitrate testing to understand movement of sewer contaminants from hot basin toward cold basin.

- Project concept → Septic-to-sewer conversion for mobile home parks.
  - Need to determine how mobile home parks can finance sewer hook-up given affordability issues.

#### Flooding

- Flooding issues in Oasis and Thousand Palms. FEMA has mapped the 100-Yr floodplain.
  - Ave 76 + Pierce is key area of concern.
  - Thousand Palms had solutions in development with Army Corps, but funding has been an issue.

#### Monitoring Needs

- Need to coordinate with County DEH, water agencies, and systems:
  - Understanding of current groundwater monitoring and results
  - Understanding of current stormwater monitoring and results
  - Groundwater monitoring in rural areas
  - Groundwater monitoring in hot water areas
  - Water supply (level) monitoring for managing overdraft

### **Stakeholder Outreach**

Tom West provided a summary of the proposed stakeholder and public outreach strategy, including several more meetings of this Planning Group to guide development of the IRWM Plan. He also described the DAC Outreach Demonstration Project proposal that the CVRWGMG has submitted to DWR for additional funding.

- Suggestion to focus outreach on East Valley to understand issues.
  - But meeting like today wouldn't attract residents. Need to have simple agenda, focus on project needs.
  - Schedule outreach meetings in the evenings for community feedback.
  - Need Spanish translator (possibly Native translation too) for DAC projects.
- Other participants for IRWM program → La Quinta MHP, North Palm Springs, Mountain View MHP, West Garnet MHP, County EDA + EPH, community town councils.
- Suggestion to host Town Hall meetings for Community Councils north of I-10. However, seasonal population is already gone for this summer.
  - Linda Kearny from Supervisor Benoit's office has contact for Community Councils.
- DAC Outreach Demonstration Project – Scope of work will be distributed once final review and approval by DWR is complete.

# Coachella Valley Integrated Regional Water Management Program Disadvantaged Communities (DAC) Outreach

Wednesday July 28, 2010  
1:30 – 3:30 p.m.

Coachella Valley Water District  
85-995 Avenue 52  
Coachella, CA 92236

## DRAFT NOTES

### Attendees:

#### DAC Workgroup

Anna Vargas, Poder Popular  
Cindy Nance, Desert Edge Community Council  
Jennifer Hernandez, California Rural Legal Assistance  
Foundation  
John Rodriguez, ICUC  
Megan Beaman, California Rural Legal Assistance  
Foundation  
Sergio Carranza, Pueblo Unido  
Yvonna Cazares, Environmental Justice Coalition for  
Water

#### CVRWVG

Andrea Riesgo, IWA  
Dan Parks, CVWD  
Daniel Cozad, IPM  
David Tate, DWA  
Goldy Thach, RMC  
Katie Ruark, DWA  
Marilyn McKay, MSWD  
Roselyn Stewart, RMC  
Tom West, RMC

### Meeting Objectives:

- A. Keep participants up to date on efforts and confirm understanding
- B. Develop areas of common interest/priorities leading to IRWM Plan goals and objectives
- C. Ensure outreach efforts are optimized, given deadlines and needs
- D. Identify and understand DAC related projects

### Meeting Notes:

#### Update on IRWM Planning and Schedule

Rosalyn Stewart, RMC Water and Environment, provided an update on the State's IRWM program and its upcoming Prop 84 funding opportunities. She announced that the final IRWM Grant Program Guidelines and PSP have been released by DWR. Three regions in the Colorado River Funding Area are competing for \$4 million in Prop 84 Round 1 funding.

We are preparing an IRWM Plan that: 1) identifies local needs and issues, 2) establishes regional goals, 3) identifies projects to achieve the regional goals, and 4) determines how to integrate projects to achieve these goals. She provided an overview of the schedule for development of the Coachella Valley IRWM Plan, which must be adopted by the CVRWVG in order for the region to be eligible for this funding.

- Who the IRWM Plan must be approved by? The IRWM Plan must be approved by the 5 Boards/Councils of the CVRWGMG agencies before the end of December 2010.

### **IRWM Plan Goals and Objectives**

Rosalyn Stewart presented the draft Goals and Objectives that were discussed at the June 22 Public Workshop. Two suggestions raised at the workshop were discussed with group. CVRWGMG recommends no changes because in DWRs prioritization structure, objectives (not goals) are key for measuring progress.

- Suggestion to clarify between the different types of issues associated with groundwater quality – i.e., septic, arsenic, hot pools.
  - The IRWM Plan will have a chapter listing the various issues facing the Valley. The objectives will address what we want to achieve (good groundwater quality) and the metrics will measure how we got there (# septic-to-sewer conversions, # new municipal water connections, etc).
- Providing water and sewer to remote areas will encourage further community-building, which can also encourage economic development/value.
- Suggestion to add “economic” into Goal 5: Ensure the cultural, social, and economic sustainability of water in the Valley.
- What about those residents not connected to municipal water and sewer? Many of those cluster communities are so remote that extension of services would be cost prohibitive. How will these residences be addressed?
  - Same IRWM Plan objectives should be addressed for both urban and remote communities. The objective would not change; rather the approach/solutions would be different.
- These objectives will dictate which projects are best suited for upcoming funding opportunities. Think about your proposed projects; a good project will achieve multiple benefits for either an urban or remote community.
- Suggestion to add “including those in remote areas” into Objective 12: Address water and sanitation needs of disadvantaged communities, including those in remote areas.

### **Call for Projects – Open through July 30, 2010**

Rosalyn Stewart reviewed the Call for Projects timeline and emphasized the importance of submitting projects into the database. The submitted projects will be included in the IRWM Plan to communicate to DWR and others the water management needs in the Valley. The submitted projects will also be considered for Prop 84 Round 1 funding, which may bring up to \$4 million to the region.

- The Call for Projects deadline is Friday July 30th. Participants may stay for the 3-5pm open house in order to enter their projects into the database.
- After the deadline, will there be a review process and suggestions given to project proponents? Yes, the CVRWGMG will review the submitted project list and contact project proponents for any additional information or with integration suggestions.
  - Reminder that July 30<sup>th</sup> deadline is for Prop 84 Round 1 funding only. Input project concepts into the database when you can, so that if it doesn't make Round 1 it will be there for Round 2.
- Will RMC help to refine project information? Yes, once the short list of projects has been identified for Prop 84 Round 1, RMC will help will help expand project descriptions.

- CRLAF supports using Prop 84 Round 1 funding to address critical drinking water needs in East Valley, particularly the arsenic contamination issue.
  - All projects will need a project sponsor comprised of a non-profit or government agency in order to meet DWR guidelines.
- Updates on outside funding opportunities:
  - MSWD: Recycled water and efficiency project; applied for \$10 million federal grant.
  - CVWD: Water and sewer extensions to East County; applied for rural agricultural grants through USDA; also applied for Indian Health Services grant in collaboration with the Torres Martinez tribe.
  - DWA: Water efficiency; applied for WaterSMART grant from USBR.

### **DAC Representation on Planning Partners**

Rosalyn Stewart explained that Miriam (Environmental Justice Coalition for Water) had suggested that Anna (Poder Popular) and Jennifer (CRLAF) attend the Planning Partners as DAC representatives. The CVRWWMG wanted to raise this to the larger DAC group and confirm the group is comfortable with this recommendation.

- Will the Planning Partners determine the project prioritization and selection process or will that happen at CVRWWMG Board meetings?
  - Project prioritization will occur numerically through the project database, based on the criteria the Planning Partners suggested.
- Are there other groups that need to be represented in Planning Partners? If so, speak up now so that we can include/invite them.
  - Group agrees that both CRLAF and Poder Popular are good representatives for now.
- Concern that needs in the West Valley aren't fully represented. We want that balance so needs of the West and North Valley are included.

### **DAC Outreach**

Rosalyn Stewart explained that the DAC Outreach Demonstration Program will be through a "contract for service" for DWR. The goals of the Demonstration Program are to identify community representatives and educate groups on the IRWM program; identify DAC issues and needs; assist DACs in developing projects; and incorporating this work into the IRWM Plan.

### **Next Steps**

Rosalyn Stewart summarized the next steps as parallel DAC Outreach meetings to support Jennifer and Anna in their work with the Planning Partners.



# Coachella Valley Integrated Regional Water Management Program Disadvantaged Communities (DAC) Outreach

Tuesday September 21, 2010  
3:00 – 5:00 p.m.

Desert Water Agency  
1200 Gene Autry Trail  
Palm Springs, CA

## DRAFT NOTES

### Attendees

#### DAC Issues Group

Anna Vargas, Poder Popular  
Cindy Nance, Desert Edge  
Community Council  
Sergio Carranza, Pueblo Unido  
Jennifer Wong, DWR

#### CVRWMG

Anders Wistrom, IWA  
Dan Parks, CVWD  
Daniel Cozad, IPM  
David Tate, DWA  
Gary Lewis, IWA

Katie Ruark, DWA  
Marilyn McKay, MSWD  
Mark Krause, DWA  
Patti Reyes, CVWD  
Paul Toor, CWA  
Roselyn Stewart, RMC

### Meeting Objectives

- A. Keep participants up-to-date on the Coachella Valley IRWM program.
- B. Identify and understand DAC-focused implementation projects.
- C. Review numerical ranking of submitted project list and brainstorm potential priorities for Prop 84-Round 1 cycle.
- D. Ensure outreach efforts are optimized, given deadlines and needs.

### Update on IRWM Planning and Schedule

Daniel Cozad, IPM, welcomed everyone to the meeting.

Roselyn Stewart, RMC, provided a brief update on the IRWM program schedule. The Public Draft IRWM Plan will be released on November 1, 2010 for a 20-day public review period. Following incorporation of public comments, the Final IRWM Plan will be released on November 30, 2010 for adoption by the CVRWMG, Planning Partners, and project sponsors. The IRWM Planning Grant Proposal will be completed and submitted to DWR by the September 28, 2010 deadline. All comments from the DAC representatives and Planning Partners are due by the end of the week. The IRWM Implementation Grant Proposal will be prepared by the consultant team starting in October 2010. The proposal will be submitted to DWR by the January 7, 2011 deadline.

Daniel Cozad provided the group with an update on the DAC Demonstration Program. The contract is still undergoing review by DWR's legal team. Jen Wong, DWR, announced that DWR is waiting to process all five of the proposed DAC Demonstration Program contracts concurrently. Anna Vargas, Poder Popular, stated that the DAC representatives had authored a joint letter to the CVRWMG stating their support for using NGOs for the community outreach

component of the DAC Demonstration Program. Daniel confirmed that funding was included in the proposed contract for just that.

## **Review and Discuss Ranked Project List**

Rosalyn Stewart provided an overview of the ranked project list distributed in the agenda packet. She described the color-coded project themes or packages – arsenic treatment, septic-to-sewer conversion, and water conservation – which have been suggested as the region’s priorities for the Prop 84-Round 1 grant application.

The group discussed the ranked project list:

- Project selection criteria should emphasize geographic parity.
- Project selection should NOT facilitate new growth. Should focus on addressing existing deficiencies and critical water supply/wastewater needs.
- CVRWGM agencies all have policies that require developers to fund new infrastructure for growth; not an appropriate use of IRWM funds.
- Agreement by group to use “Public Benefit” as screening criteria.
- Desert Edge community shall coordinate with the County (CED office) to move septic conversion project forward.
- Lake Perris project is included in list because it improves local reliability of imported water supplies.
- Suggestion to add theme/package for stormwater management projects.
- Water conservation messaging currently geared toward DACs is generally focused on (lack of) septic capacity). However, broader water conservation messaging should be developed for DACs.
- Priority projects should be 1) ready to proceed and 2) provide greatest impact to community.

## **Discuss Short-Term Arsenic Treatment Project**

Sergio Carranza, Pueblo Unido, provided the group with a detailed explanation of the short-term arsenic treatment project that has been developed for the region. This project would be a pilot project for development of multiple decentralized treatment systems in compliance with County DEH. Each system would have a certified operator trained by Pueblo Unido. The proposal includes 5 Point of Entry facilities at large MHPs and 200 Point of Entry facilities at residential sinks. Pueblo Unido is also planning to leverage this IRWM funding with other grant opportunities (e.g., USDA Ag Worker Rehabilitation Program).

Anna Vargas acknowledged that the proposal will implement legislation by Perez (AB 2515) that requires MHP owners to install Point of Entry treatment in MHPs greater than 15 units.

## **Next Steps**

The DAC Issues Group will continue to meet concurrently with the Planning Partners to review and provide feedback on IRWM Plan development.

- Suggestion to provide conference call access at all future DAC Outreach meetings.
- Agreement to add Cindy Nance as Planning Partner member representing West Valley DAC issues.

# Coachella Valley Integrated Regional Water Management Program

## Coachella Valley Tribes

Thursday May 20, 2010  
1:30 – 3:30 p.m.

Coachella Valley Water District  
85-995 Avenue 52  
Coachella, CA 92236

### DRAFT NOTES

#### Attendees:

##### Tribe Workgroup

Belinda Ray, BIA  
Cynthis Morales, BIA  
Douglas Garcia, BIA  
Christina Mokhtarzadeh, BIA  
Margaret Park, Agua Caliente  
Debi Livesay, Torres-Martinez  
Lonnie Rodriguez, ??  
Anthony Madrigal, Jr., 29 Palms  
Michael Jackson, Cabazon  
Les Ramirez, Augustine  
Anna Aljabiry, DWR

##### CVRWVG

Arden Wallum, MSWD  
Marilyn McKay, MSWD  
Mark Krause, DWA  
David Tate, DWA  
Katie Ruark, DWA  
Dan Parks, CVWD  
Patti Reyes, CVWD  
Paul Giera, IWA  
Andrea Riesgo, IWA  
Paul Toor, CWA  
Tom West, RMC  
Roselyn Stewart, RMC  
Daniel Cozad, IPM

#### Meeting Objectives:

- A. Create a common understanding/expectations of the Coachella Valley IRWM program, including schedule, key milestones, and stakeholder involvement.
- B. Obtain feedback on regional water resource issues to make sure issues are covered and articulated appropriately.
- C. Confirm involvement in and commitment to future meetings and to providing input to IRWM Plan development. Confirm key points of contact. Identify other potentially important participants.
- D. Share/capture other relevant thoughts and ideas for future discussion.

#### Meeting Notes:

Patti Reyes, Coachella Valley Water District, welcomed the group and thanked them for attending. Daniel Cozad, Integrated Planning and Management, introduced the meeting agenda and facilitated the discussion.

## Introduction to IRWM Program

Tom West, RMC Water and Environment, provided an overview of the State's IRWM program and its goals/objectives, upcoming Prop 84 funding opportunities, and the activities considered relevant to IRWM planning. He provided an overview of the CVRWGM and the Coachella Valley IRWM region. Finally, he reviewed the proposed work plan and schedule for development of the Coachella Valley IRWM Plan.

- How does the CVRWGM perceive the tribes?
  - Sovereign nations, so separate recognition and meetings are necessary to understand water resource needs/perspectives.
  - Heard your comments at the October 2009 Public Workshop. We want to involve tribes in water management in the Valley.
- Seeking frank communication and collaboration between the CVRWGM and tribes.
- How can tribes be a partner in CVRWGM? Don't want to be second class decision-makers in IRWM effort.
  - CVRWGM still working to define governance, needs to be included in Plan. What does partnership look like?
  - Recognize the need for direct Board/Chair coordination on key milestones – planning separate policy workshop to allow for such coordination.
- Need to coordinate long-term planning activities and funding opportunities.
- Focus on resource sustainability (not 'what's in it for me' attitude).

## Issues Identification

Daniel Cozad provided an overview of the water-related issues identified to date through a review of local water management plans and studies. He invited additional feedback and clarification on the issues important to the tribes.

CVRWGM has compiled information from local water management plans and State Water Plan 2009–Regional Report into the issues list. Do tribes have water management plans or other documents we can use?

### Demand Projections

- Agencies need to recognize land use authority and population/employment projections on tribal lands.
  - Needed in order to manage regional groundwater supply.

### Habitat Protection/Restoration

- Resource management for sustainability is important to tribes.
- Salton Sea ecosystem restoration is a key issue for Torres-Martinez tribe.
  - Concern about both volume and quality of water flowing to the Salton Sea.
  - Need to coordinate timing/volume of flows to wetlands – ag return flows, canal water, recycled water, etc.
  - State promised to develop a data management system, but to date has not done so.
- Native plants preservation – In Whitewater River channel at 29 Palms reservation, floodplain clearing (levee mgmt) by CVWD could endanger plant species.

- Need greater communication for any clearing occurring on reservations.
- Tribes were not a part of MSHCP process. CVWD has easements on tribal lands, so their activities are regulated by the MSHCP.
  - Need MOU w/tribal property owners for annual O&M activities.
  - Partnership between CVRWGMG and tribes to transcend artificial boundaries.
  - Aqua Caliente have developed a habitat species plan. Other special areas on tribal lands have been mapped elsewhere. A special discussion with tribes on this issue would be helpful.
- Need to incorporate tribal open space designated on reservation lands into regional open space network.
- Culturally-significant waters on tribal lands – not mapped, but want to recognize generally in IRWM Plan.
  - Reluctance to disclose resources because they may be defaced. Need to understand resources not specific sites.
  - Culturally sensitive lands off tribal reservations in jeopardy – how to protect?

#### Water Quality

- Water quality is important – sustainability requires balancing the need for increased recharge volume of imported water with the water quality impacts of TDS and other contaminants
  - This balance should be struck with an eye toward the Valley-wide best interest
- Question whether Coachella Valley Stormwater Channel is monitored for water quality?
  - Yes, through the region's NPDES MS4 permit. WWTPs also monitor their discharges to the channel.
  - Tribal water quality data is available through the State.
- High TDS levels in recycled water – concern about recharge into deep aquifer.
  - Suggest advanced treatment before recharge occurs. Suggest considering Federal solutions/assistance to mitigate issues associated with Colorado River.
- Concern about septic leaching issues.
  - Lack of basic water/wastewater infrastructure on tribal lands (similar to DACs).
  - Inadequate or undersized facilities or systems in low percolation areas.
  - Septic in areas that may contaminate high quality groundwaters.
  - Septic to sewer conversion and costs/difficulty are increased across jurisdiction lines.
- Mobile home parks on tribal lands also facing arsenic (60-70 PPM) problems. Could potentially share solutions w/DACs.
  - Allotted lands are individually owned (not tribal) so enforcement capabilities by EHS are limited. Difficult to regulate water/ww systems.

#### Water Supply

- Affordability of water and wastewater rates are significant for some tribes. Issue of jurisdiction can be complex on tribal lands.

### Region Boundaries

- RAP Map 6 – Boundaries of reservations are incorrect. Margaret to send update.
- Torres-Martinez tribal lands extend south at the Salton Sea. Request to expand RAP to include all tribal lands.

### Project Development

- Tribes can provide feedback on IRWM projects – impacts and benefits to tribal resources.
- Suggestion to distribute Implementation Grant PSP criteria to tribes so they understand how their projects would be in competition w/agencies.

### **Stakeholder Outreach**

Tom West provided a summary of the proposed stakeholder and public outreach strategy, including several more meetings of this Planning Group to guide development of the IRWM Plan. He also described the Disadvantaged Communities Outreach Demonstration Project proposal that the CVRWGMG has submitted to DWR for additional funding.

Daniel Cozad returned to question raised at the beginning – “What does partnership look like?”

- Partnership – must develop and document what partnership means:
  - I. Communication and consultation opportunities
  - II. Mechanisms to facilitate the exchange of information and understanding of the limits of the exchange capability of all parties due to legal or cultural issues
    - Water supply and quality monitoring data
    - Development plans for the future related to water
    - Habitat and cultural land understandings
    - Tribal boundaries, jurisdictions and interests
  - III. Mechanisms to facilitate cooperative feedback on draft efforts of the CVRWGMG and IRWM plan document
  - IV. Opportunities for project proposal, review and coordination, funding and impacts assessment
- Suggestion to explore what a written agreement between the tribes and CVRWGMG to outline partnership might look like
  - Are there legal prohibitions for such an agreement? May need State Assembly approval for exceptions to enter into tribal agreements.
  - Les to research what type of agreement may be most appropriate.
  - Daniel to check into other IRWM regions re: tribal agreements + DWR Tribal Summit
- Partnership should be initiated with the IRWM timeline in mind, but without overlooking opportunity for broader cooperation of the group
- Suggestion to send CVRWGMG letter to tribal chairs about their participation.
- Request to receive meeting materials in advance of future meetings.
- Request copy of contact list of CVRWGMG and consultants.

## Appendix B: Coachella Valley IRWM Project List

This appendix contains all submitted implementation projects for the Coachella Valley IRWM Plan, as of September 30, 2010. The following tables provide a cross-walk of the submitted projects with the following criteria:

- IRWM Plan Objectives
- Resource Management Strategies
- Statewide Priorities
- Feasibility Analysis
- Benefits to DACs and Tribes
- Strategic Considerations
- Climate Change Considerations
- Project Costs and Financing



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**Appendix B**  
**Coachella Valley IRWM Project List (as of Sept 30, 2010)**  
**IRWM Plan Objectives**

#	Project Title	ID	Functional Area	Objective A: Reliable Water Supply	Objective B: Manage Groundwater Levels	Objective C: Imported Water Supply	Objective D: Local Supply Opportunities	Objective E: Groundwater Quality	Objective F: Surface Water Quality	Objective G: Local Environment	Objective H: Manage Flood Risks	Objective I: Optimize Conjunctive Use	Objective J: Stakeholder Involvement	Objective K: Native American Culture	Objective L: Disadvantaged Communities	Objective M: Affordability of Water
1	DMMs for CVRWMG Partners	223	Conservation	o	o		•	o		o			•		•	•
2	Desert Hot Springs Community Gardens	225	Conservation	o	o		•	o		o			•		o	•
3	Resource Action Programs	224	Conservation	o	o		o			o			•		•	•
4	Smart Water Conservation Programs	219	Conservation	o	o		•	o		o			•		•	•
5	Achieve 14 percent reduction in Agricultural Water Use	197	Conservation	o	o		•	o		o			•		•	•
6	Ramon Road Corridor - Improve Flood Protection	238	Flood Control				o	•	o	o	•	o				
7	Implementation of Projects in Garnet Wash and Tributaries Master Plan	194	Flood Control				o	•	o	o	•	o				
8	East Cathedral Canyon Channel Levee Restoration	202	Flood Control								•					
9	Verbena Channel	203	Flood Control				o	•	o	o	•	o				
10	Stormwater Master Plan	252	Flood Control								•					
11	Whitewater River Levee Restoration	206	Flood Control								•					
12	Flood Control and Recycling of Storm, Non Storm Run Off Water - Desert Cove Golf Course	237	Flood Control				o	o		o	•					
13	Implementation of Projects in East Wide Channel, Long Canyon and Tributaries Master Plan	195	Flood Control						o	o	•					
14	Groundwater Quality Protection and Floodplain Management - Eagle Canyon Dam and Lines 43	231	Flood Control								•			o		
15	Implementation of projects for Cathedral City Master Plan	196	Flood Control								•					
16	Implementation of projects in the Palm Springs area Master Drainage Plan	200	Flood Control								•					
17	Implement projects in the Desert Hot Springs Area Master Drainage Plan	201	Flood Control								•					
18	Tahquitz Creek Levee Reconstruction	209	Flood Control					o	o	•	•					
19	Master Drainage Plan Implementation - Ramon Road Corridor	234	Flood Control				•	•	o	o	•					
20	Palm Springs MDP line 41	204	Flood Control				o	•	o	o	•	o				•
21	Eagle Canyon Dam	205	Flood Control						•	o	•					
22	Desert Cahuilla Wetlands Expansion	228	Natural Resources							•		•	•	•		
23	Construct Wetland, Riparian, and Pupfish Habitat for CVMSHCP and Natural Community	208	Natural Resources							•	•	•	•			
24	Perris Dam Remediation Program	215	Other													
25	Cathedral City North City Specific Plan - East Sub-Region	241	Other	•	o		o	o	o	o			o	o	o	
26	Water, Sewer and Drainage - North City Specific Plan	232	Other	•	o		o	o	o	o				o	o	
27	Desert Edge Geothermal Water Conservation and Preservation	244	Wastewater				o	•		•		o	•		•	
28	Little Tuscany Sewer Improvements	211	Wastewater				o	•		•		o			•	o
29	Water Recycling Efficiency and Capacity Improvement Project	187	Wastewater		o		•	o								
30	IWA Recycled Water Program	226	Wastewater	•	•		•									•
31	Groundwater Quality Protection Perez Road Sewers	229	Wastewater				o	•		•		o		•	•	
32	Groundwater Quality Protection - West Cathedral City Septic Tank Replacement	235	Wastewater				o	•		•		o			•	
33	Pierce Community Infrastructure - Sewer Sanitary Collection System (North)	249	Wastewater				o	•		•		o	•			
34	Groundwater Quality Protection South City Improvement District (SCID)	230	Wastewater				o	•		•		o		•	•	
35	Groundwater Quality Protection Project	189	Wastewater				o	•		•		o				

#	Project Title	ID	Functional Area	Objective A: Reliable Water Supply	Objective B: Manage Groundwater Levels	Objective C: Imported Water Supply	Objective D: Local Supply Opportunities	Objective E: Groundwater Quality	Objective F: Surface Water Quality	Objective G: Local Environment	Objective H: Manage Flood Risks	Objective I: Optimize Conjunctive Use	Objective J: Stakeholder Involvement	Objective K: Native American Culture	Objective L: Disadvantaged Communities	Objective M: Affordability of Water
36	Implementation of Total Maximum Daily Load Best Management Practices	212	Water Quality				●		●			●				
37	Evaluate Stormwater Recharge Opportunities within the Desert Hot Springs MDP	213	Water Quality	●	●	●	●				●					●
38	Palm Springs Line 43 and 43a	242	Water Quality				○	●	○	○	●	○				
39	Whitewater River Region and Coachella Valley Stormwater Channel Site Specific Objective	210	Water Quality						●	●		●	●			
40	Palm Springs Unified School District - Storm Drain Outflow Transport Contamination	239	Water Quality					●		●				●	●	
41	Bridge Drainage System Design for 3 Whitewater River Bridges	233	Water Quality					●			○					
42	Identification of Septic Wastewater Plumes in the MSWD Service Area	220	Water Quality					●							●	●
43	Master Drainage Plan Implementation - Cathedral City South	236	Water Quality					●						●	●	
44	Groundwater Protection- Cathedral City Cove Drainage System 4	240	Water Quality				○	●	○	○	●	○				
45	College Of the Desert MTC Infrastructure	221	Water Quality					●							●	
46	Short Term Arsenic Treatment Program	254	Water Supply	●				●		○			●		●	●
47	Pierce Community Infrastructure – Water Extension Supply (South Section)	247	Water Supply	●				●		○			●		●	●
48	Posse Park Surface Water Treatment Plant	191	Water Supply	●	○	●	●	○				●	●	●	○	
49	Fargo Canyon Spreading Facility	216	Water Supply	●	○	○	○	○			○		○			
50	BDCP and DHCCP	214	Water Supply	●	○	●	●			○	●		●	○	○	●
51	Coachella Valley Salt and Nutrient Management Plan	243	Water Supply	●			●	●	●							
52	Recycled Water Feasibility Study	253	Water Supply	○	○		○					○			○	○
53	Eastern Coachella Valley Water Supply Project	207	Water Supply	●				●		○			●	●	●	●
54	Pierce Community Infrastructure - Regional Water Treatment Facility (North)	245	Water Supply	●				●		○			●		●	●
55	St. Anthony of the Desert - Water Treatment Facility	246	Water Supply	●				●		○			●		●	●
56	Belardo Road Pipeline Replacement	188	Water Supply	●										●		●
57	1400 Zone Facilities	218	Water Supply	●											●	●
58	Surface Water Treatment Study	251	Water Supply	●	●	●									●	
59	Mid Valley Pipeline Phase II	182	Water Supply	●	○		●	○				●				
60	Coachella Valley Groundwater Model	227	Water Supply		○			○								
61	South Mecca Plan	250	Water Supply		○		○	○				○	○	○	○	
62	Treated Agricultural Drain Water for agricultural irrigation	198	Water Supply	○	○		○	○					○	○		○
63	Siting studies, EIR and design of Colorado River Water Treatment Facility for municipal use	199	Water Supply	○	○		○	○					○	○	○	
64	Mission Creek/ Garnet Hill Subbasins Monitoring Program	222	Water Supply		○			○							○	
65	Well Pumping Plants 44 and 45 of the Palm Springs Main Well Field	190	Water Supply	○												○
66	Information Systems--a Regional Project of CVRWMG	193	Water Supply	○												
67	Groundwater Elevation Monitoring--Regional project of CVRWMG	192	Water Supply	○	○											
68	Harrison Street (Sunbird and surrounding cluster)	248	Water Supply	●				●		○			●		●	●

**Appendix B**  
**Coachella Valley IRWM Project List (as of Sept 30, 2010)**  
**Resource Management Strategies**

#	Project Title	ID	Functional Area	Agricultural Land Stewardship	Agricultural Water Use Efficiency	Groundwater Management	Conjunctive Use & Groundwater Storage	Regional Conveyance	Potable Water Treatment/Distribution	Ecosystem Restoration	Env and Habitat Prct/Impv	Floodplain Management	Groundwater Aquifer Remediation	Pollution Prevention	Water Quality Protection & Improvement	Matching Quality to Use	Recharge Area Protection	Recycled Municipal Wastewater	Regional Surface Storage	Wastewater Treatment	Reoperation & Reservoir Management	Land Use Management	Urban Runoff Management	Urban Water Use Efficiency	Water Transfers	Recreation & Public Access	Watershed Management & Planning	Stkholder/Cmnty Involvement	W-Rsc Data Collection/Mngmnt	Enh Scf/Tec Knowledge	Salt/Salinity Management	Other Strategies	Economic Incentives	Desalination	
1	DMMs for CVRWMG Partners	223	Conservation			o		o			o			o	o	•	o	•					•	•									•		
2	Desert Hot Springs Community Gardens	225	Conservation		•	o		o			o			o	o		o						o	•			•	•							
3	Resource Action Programs	224	Conservation			o		o			o			o	o		o						•	•			•	•						•	
4	Smart Water Conservation Programs	219	Conservation		•	o		o			o			o	o		o						•	•			•	•							
5	Achieve 14 percent reduction in Agricultural Water Use	197	Conservation	o	•	o		o			o			o	o		o						o				•	•							
6	Ramon Road Corridor - Improve Flood Protection	238	Flood Control				o	o			o	•		•	o								•				•	o							
7	Implementation of Projects in Garnet Wash and Tributaries Master Plan	194	Flood Control				o	o			o	•		•	o								•				•	o							
8	East Cathedral Canyon Channel Levee Restoration	202	Flood Control				o	o			o	•		•	o							•	•				•	o							
9	Verbena Channel	203	Flood Control				o	o			o	•		•	o							•	•				•	o							
10	Stormwater Master Plan	252	Flood Control									•											•				•		•						
11	Whitewater River Levee Restoration	206	Flood Control									•										•					•								
12	Flood Control and Recycling of Storm, Non Storm Run Off Water - Desert Cove Golf Course	237	Flood Control									o					o						o	o			•								
13	Implementation of Projects in East Wide Channel, Long Canyon and Tributaries Master Plan	195	Flood Control					o				o											o				•								
14	Groundwater Quality Protection and Floodplain Management - Eagle Canyon Dam and Lines 43 and 41	231	Flood Control									o											o				•								
15	Implementation of projects for Cathedral City Master Plan	196	Flood Control					o				o											o				•								
16	Implementation of projects in the Palm Springs area Master Drainage Plan	200	Flood Control					o				o							o				o				•								
17	Implement projects in the Desert Hot Springs Area Master Drainage Plan	201	Flood Control					o				o											o				•								
18	Tahquitz Creek Levee Reconstruction	209	Flood Control									•		•	o								o				•	•							
19	Master Drainage Plan Implementation Ramon Road Corridor	234	Flood Control				o				o	•		•	o								•				•	•							
20	Palm Springs MDP line 41	204	Flood Control				o	•			o	•		•	o								•			•	•	o							
21	Eagle Canyon Dam	205	Flood Control								o	o		•	o								•	•			•	•							
22	Desert Cahuilla Wetlands Expansion	228	Natural Resources and Watersheds		o					•				•				•				•				•	•	•		•					



#	Project Title	ID	Functional Area	Agricultural Land Stewardship	Agricultural Water Use Efficiency	Groundwater Management	Conjunctive Use & Groundwater Storage	Regional Conveyance	Potable Water Treatment/Distribution	Ecosystem Restoration	Env and Habitat Prcct/Impv	Floodplain Management	Groundwater Aquifer Remediation	Pollution Prevention	Water Quality Protection & Improvement	Matching Quality to Use	Recharge Area Protection	Recycled Municipal Wastewater	Regional Surface Storage	Wastewater Treatment	Reoperation & Reservoir Management	Land Use Management	Urban Runoff Management	Urban Water Use Efficiency	Water Transfers	Recreation & Public Access	Watershed Management & Planning	Stakeholder/Community Involvement	W-Res Data Collection/Mgmt	Enh Sci/Tec Knowledge	Salt/Salinity Management	Other Strategies	Economic Incentives	Desalination
44	Groundwater Protection- Cathedral City Cove Drainage System 4	240	Water Quality			o					o	•		•	o								•			•	o							
45	College Of the Desert MTC Infrastructure	221	Water Quality																				•			•								
46	Short Term Arsenic Treatment Program	254	Water Supply			•			•			o	o	•	•	o										•	•			•	•			
47	Pierce Community Infrastructure – Water Extension Supply (South Section)	247	Water Supply			•			•			•	o	•	•	o										•	•					•		
48	Harrison Street (Sunbird and surrounding cluster)	248	Water Supply			•			•			o	o	•	•	o										•	•	•						
49	Posse Park Surface Water Treatment Plant	191	Water Supply			o		•	•			o		o	•					•				•		•	•							
50	Fargo Canyon Spreading Facility	216	Water Supply			o	•	•	o			o												•		•	o							
51	BDCP and DHCCP	214	Water Supply			o		•				o	o											•		•	•	•	•					
52	Coachella Valley Salt and Nutrient Management Plan	243	Water Supply											•			•									•	•	•	•					
53	Recycled Water Feasibility Study	253	Water Supply		o	o																				•	•	•						
54	Eastern Coachella Valley Water Supply Project	207	Water Supply			•			•			•	o	•	•	o								•		•	•							
55	Pierce Community Infrastructure - Regional Water Treatment Facility (North)	245	Water Supply			•			•			•	o	•	•	o										•	•							
56	St. Anthony of the Desert - Water Treatment Facility	246	Water Supply			•			•			•	o	•	•	o										•	•							
57	Belardo Road Pipeline Replacement	188	Water Supply					•	•										o							•								
58	1400 Zone Facilities	218	Water Supply						•							•										•								
59	Surface Water Treatment Study	251	Water Supply					o	•																	•	•	•						
60	Mid Valley Pipeline Phase II	182	Water Supply			•										•		•								•								
61	Coachella Valley Groundwater Model	227	Water Supply																							•	•	•						
62	South Mecca Plan	250	Water Supply	o	o	o			o			o		o				o				•		o		o	•	•						
63	Treated Agricultural Drain Water for agricultural irrigation	198	Water Supply		o	o			o			o			o									o		•	•				o	o	o	
64	Siting studies, EIR and design of Colorado River Water Treatment Facility for municipal use	199	Water Supply				o		o																	•					o			o
65	Mission Creek/ Garnet Hill Subbasins Monitoring Program	222	Water Supply																							•	o	o						
66	Well Pumping Plants 44 and 45 of the Palm Springs Main Well Field	190	Water Supply				o		o																	•								
67	Information Systems--a Regional Project of CVRWMG	193	Water Supply																							•	•							
68	Groundwater Elevation Monitoring-- Regional project of CVRWMG	192	Water Supply																							•	•	•						



**Appendix B**  
**Coachella Valley IRWM Project List (as of Sept 30, 2010)**  
**Statewide Priorities**

#	Project Title	ID	Functional Area	Drought Preparedness	Reuse Water More Efficiently	Expand Environmental Stewardship	Practice Integrated Flood Management	Protect Surface/Groundwater Quality	Improve Tribal Water/Natural Resources	Ensure Equitable Distribution of Benefits
1	DMMs for CVRWMG Partners	223	Conservation	○	●	●		○		
2	Desert Hot Springs Community Gardens	225	Conservation	○	●	●		○		
3	Resource Action Programs	224	Conservation	○	●	○		○		
4	Smart Water Conservation Programs	219	Conservation	○	●	○		○		●
5	Achieve 14 percent reduction in Agricultural Water Use	197	Conservation	○	●	○		○	○	
6	Ramon Road Corridor - Improve Flood Protection	238	Flood Control				●	○	●	●
7	Implementation of Projects in Garnet Wash and Tributaries Master Plan	194	Flood Control				●	○		
8	East Cathedral Canyon Channel Levee Restoration	202	Flood Control				●	○		
9	Verbena Channel	203	Flood Control				●	○		
10	Stormwater Master Plan	252	Flood Control				●			
11	Whitewater River Levee Restoration	206	Flood Control				●			
12	Flood Control and Recycling of Storm, Non Storm Run Off Water - Desert Cove Golf Course	237	Flood Control		○		●			
13	Implementation of Projects in East Wide Channel, Long Canyon and Tributaries Master Plan	195	Flood Control				●			
14	Groundwater Quality Protection and Floodplain Management - Eagle Canyon Dam and Lines 43 and 41	231	Flood Control				●			
15	Implementation of projects for Cathedral City Master Plan	196	Flood Control				●			
16	Implementation of projects in the Palm Springs area Master Drainage Plan	200	Flood Control				●			
17	Implement projects in the Desert Hot Springs Area Master Drainage Plan	201	Flood Control				●			
18	Tahquitz Creek Levee Reconstruction	209	Flood Control				●	○		
19	Master Drainage Plan Implementation - Ramon Road Corridor	234	Flood Control				●	○	○	○
20	Palm Springs MDP line 41	204	Flood Control				●	○		
21	Eagle Canyon Dam	205	Flood Control				●	●		
22	Desert Cahuilla Wetlands Expansion	228	Natural Resources		○	●			●	●
23	Construct Wetland, Riparian, and Pupfish Habitat for CVMSHCP and Natural Community Conservation Plan	208	Natural Resources			●	○			
24	Perris Dam Remediation Program	215	Other				●			
25	Cathedral City North City Specific Plan - East Sub-Region	241	Other		○	○	○	○	○	○
26	Water, Sewer and Drainage - North City Specific Plan	232	Other						●	
27	Desert Edge Geothermal Water Conservation and Preservation	244	Wastewater			○		●		
28	Little Tuscan Sewer Improvements	211	Wastewater		○	●		●		
29	Water Recycling Efficiency and Capacity Improvement Project	187	Wastewater		●			○		●
30	IWA Recycled Water Program	226	Wastewater	○	●			●		
31	Groundwater Quality Protection Perez Road Sewers	229	Wastewater			○		●	●	
32	Groundwater Quality Protection - West Cathedral City Septic Tank Replacement	235	Wastewater			○		●	●	●
33	Pierce Community Infrastructure - Sewer Sanitary Collection System (North)	249	Wastewater			○		●		●
34	Groundwater Quality Protection South City Improvement District (SCID)	230	Wastewater			○		●	●	
35	Groundwater Quality Protection Project	189	Wastewater			○		●		
36	Short Term Arsenic Treatment Program	254	Water Quality					●		●
37	Implementation of Total Maximum Daily Load Best Management Practices	212	Water Quality			●		●		
38	Pierce Community Infrastructure – Water Extension Supply (South Section)	247	Water Quality					●		●

#	Project Title	ID	Functional Area	Drought Preparedness	Reuse Water More Efficiently	Expand Environmental Stewardship	Practice Integrated Flood Management	Protect Surface/Groundwater Quality	Improve Tribal Water/Natural Resources	Ensure Equitable Distribution of Benefits
39	Evaluate Stormwater Recharge Opportunities within the Desert Hot Springs MDP	213	Water Quality	●			○	○		
40	Harrison Street (Sunbird and surrounding cluster)	248	Water Quality					●		●
41	Palm Springs Line 43 and 43a	242	Water Quality				●	○		
42	Whitewater River Region and Coachella Valley Stormwater Channel Site Specific Objective Evaluation	210	Water Quality					●		
43	Palm Springs Unified School District - Storm Drain Outflow Transport Contamination	239	Water Quality					●	●	●
44	Bridge Drainage System Design for 3 Whitewater River Bridges	233	Water Quality						●	●
45	Identification of Septic Wastewater Plumes in the MSWD Service Area	220	Water Quality					●		
46	Master Drainage Plan Implementation - Cathedral City South	236	Water Quality				●	●		
47	Groundwater Protection- Cathedral City Cove Drainage System 4	240	Water Quality				●	○		
48	College Of the Desert MTC Infrastructure	221	Water Quality					●		
49	Posse Park Surface Water Treatment Plant	191	Water Supply	●			○		○	●
50	Fargo Canyon Spreading Facility	216	Water Supply	●			○			
51	BDCP and DHCCP	214	Water Supply	●			○	○	○	○
52	Coachella Valley Salt and Nutrient Management Plan	243	Water Supply		●			●		
53	Recycled Water Feasibility Study	253	Water Supply	○	○					
54	Eastern Coachella Valley Water Supply Project	207	Water Supply					●	●	
55	Pierce Community Infrastructure - Regional Water Treatment Facility (North)	245	Water Supply					●	●	
56	St. Anthony of the Desert - Water Treatment Facility	246	Water Supply					●		●
57	Belardo Road Pipeline Replacement	188	Water Supply	○	●				○	
58	1400 Zone Facilities	218	Water Supply		●					
59	Surface Water Treatment Study	251	Water Supply		○			○		
60	Mid Valley Pipeline Phase II	182	Water Supply	●	●			●		
61	Coachella Valley Groundwater Model	227	Water Supply	○			○			
62	South Mecca Plan	250	Water Supply	○	○	○	○	○	○	○
63	Treated Agricultural Drain Water for agricultural irrigation	198	Water Supply		○			○	○	○
64	Siting studies, EIR and design of Colorado River Water Treatment Facility for municipal use	199	Water Supply	○	○			○		
65	Mission Creek/ Garnet Hill Subbasins Monitoring Program	222	Water Supply	○				○		
66	Well Pumping Plants 44 and 45 of the Palm Springs Main Well Field	190	Water Supply	●						
67	Information Systems--a Regional Project of CVRWMG	193	Water Supply		○					○
68	Groundwater Elevation Monitoring--Regional project of CVRWMG	192	Water Supply	●						



**Appendix B**  
**Coachella Valley IRWM Project List (as of Sept 30, 2010)**  
**Feasibility Analysis**

#	Project Title	ID	Functional Area	Regulatory Permit(s)	CEQA/NEPA Documents	Feasibility Studies
12	Achieve 14 percent reduction in Agricultural Water Use	197	Conservation	none	none	none
33	Smart Water Conservation Programs	219	Conservation		CEQA is completed	
37	DMMs for CVRWGM Partners	223	Conservation			
38	Resource Action Programs	224	Conservation			
39	Desert Hot Springs Community Gardens	225	Conservation			
9	Implementation of Projects in Garnet Wash and Tributaries Master Plan	194	Flood Control			
10	Implementation of Projects in East Wide Channel, Long Canyon and Tributaries Master Plan	195	Flood Control			
11	Implementation of projects for Cathedral City Master Plan	196	Flood Control			
15	Implementation of projects in the Palm Springs area Master Drainage Plan	200	Flood Control			
16	Implement projects in the Desert Hot Springs Area Master Drainage Plan	201	Flood Control			
17	East Cathedral Canyon Channel Levee Restoration	202	Flood Control			
18	Verbena Channel	203	Flood Control			
19	Palm Springs MDP line 41	204	Flood Control	Project will be required to obtain necessary environmental permits and possibly mitigate for impacts to proposed Casy's June Beetle critical habitat.	CEQA documents ha	Project has undergone initial planning and alternative studies. Design mapping was completed in Spring of 1999.
20	Eagle Canyon Dam	205	Flood Control		A Draft EA/EIR (as a combined CEQA/NEPA document), has been prepared in accordance with the requirements.	Geophysical and biological surveys completed in 2006. Engineering drawings essentially complete. Awaiting final approval from State department of Dams. Initial Studies initiated in June 2009. Permitting studies and first draft EIR proposed October 2009.
21	Whitewater River Levee Restoration	206	Flood Control			
24	Tahquitz Creek Levee Reconstruction	209	Flood Control	Clean Water Act Section 404, Clean Water Act Section 401, Streambed Alteration Agreement	CEQA Initial Study leading to a Mitigated Negative Declaration	PAL Response for City of Palm Springs Levee, Levee ID 16, prepared for US Dept. of Homeland Security, FEMA Region IX by Nolte Associates, Inc. (August 2009); and Geotechnical Investigation Report, Tahquitz Creek Levee System, FEMA Levee Certification, Palm Springs, CA by AMEC Geomatrix, Inc. (August 24, 2009)
45	Groundwater Quality Protection and Floodplain Management - Eagle Canyon Dam and Lines 43 and 41	231	Flood Control	The project will require approval from Coachella Valley Water District and encroachment permits from the City of Cathedral City and Coachella Valley Water District.	A CEQA Categorical Exemption has been issued for this project by the City of Cathedral City.	The project was the subject of a sanitary sewer planning study completed in 2006.
48	Master Drainage Plan Implementation - Ramon Road Corridor	234	Flood Control	The project will require approval from Desert Water Agency and Coachella Valley Water District and encroachment permits from the City of Cathedral City, Coachella Valley Water District and Riverside County Flood Control. Department of Fish & Game and Corps of Engineers permits will be acquired.	All beidges will require Environmental Impact Reports	
51	Flood Control and Recycling of Storm, Non Storm Run Off Water - Desert Cove Golf Course	237	Flood Control	The project will require approval from Coachella Valley Water District and encroachment permits from the City of Cathedral City and possibly Riverside County Flood Control.	A CEQA Categorical Exemption would be issued for this project by the City of Cathedral City.	Ramon Road Drainage Study

#	Project Title	ID	Functional Area	Regulatory Permit(s)	CEQA/NEPA Documents	Feasibility Studies
52	Ramon Road Corridor - Improve Flood Protection	238	Flood Control	The project will require approval from Coachella Valley Water District, Riverside County Flood Control, Desert Water Agency and encroachment permits from the City of Cathedral City, CVWD and RCFC.	An Environmental Impact Report has been issued for this project by the City of Cathedral City.	Desert Cove Gold Course - Basis of Design, Final Environmental Impact Report - Desert Cove Golf Club
66	Stormwater Master Plan	252	Flood Control	No permits are needed.		Not applicable.
23	Construct Wetland, Riparian, and Pupfish Habitat for CVMSHCP and Natural Community Conservation Plan	208	Natural Resources and Watersheds	regulatory permits may be required.		CVMSHCP
42	Desert Cahuilla Wetlands Expansion	228	Natural Resources and Watersheds			
30	Perris Dam Remediation Program	215	Other	DWR to obtain	DWR to obtain	DWR has thoroughly evaluated the best and most feasible repair options to address the seismic concerns at Perris Dam. The proposed repair plan includes upgrading the dam by replacing the foundation material and reinforcing it with a stability berm placed on top of the improved foundation. This will allow the lake to return to its previous maximum operating pool elevation after construction. Other aspects of the proposed plan include a new outlet tower and emergency outlet release facilities. □ □ DWR released the Draft EIR (DEIR) on January 11, 2010, initiating a public review period that continued through April 12, 2010. Although the public comment period has expired, an electronic copy of the DEIR may still be obtained through internet download at the link in the left hand column of this page, or by request through mail or email to the following:
46	Water, Sewer and Drainage - North City Specific Plan	232	Other	The project will require approval encroachment permits from the City of Cathedral City and Riverside County Flood Control.	An Initial Study has been completed by Riverside County Flood Control & Water Conservation District. An EIR is required for the project by the RCFC & WCD.	The project is in design by RCFC & WCD. An Environmental Impact Report is required. Hazardous Waste Clean-up is required by the City of Cathedral City prior to initiation of construction.
55	Cathedral City North City Specific Plan - East Sub-Region	241	Other	The project will require approval from Desert Water Agency and Riverside County Flood Control and encroachment permits from the City of Cathedral City and Riverside County Flood Control.	A CEQA Categorical Exemption has been issued for this project by the City of Cathedral City.	
2	Water Recycling Efficiency and Capacity Improvement Project	187	Wastewater	The Agency will be required to obtain a discharge permit from the RWQCB for the new recycled water service to the Tribe's golf course. The State Health Dept will also oversee the cross-connection test	A CEQA exemption has been filed for the reservoir and solar expansion installation. The Agency will also file an exemption for the pumping plants.	Application to the Bureau of Reclamation.
4	Groundwater Quality Protection Project	189	Wastewater	All CEQA and NEPA have been completed and certified for the project.	All CEQA and NEPA have been completed and certified for the project.	1997 Engineer's Report
26	Little Tuscany Sewer Improvements	211	Wastewater	None.	CEQA Initial Study leading to a Mitigated Negative Declaration.	Sewer improvement plans are on file and approved by the City of Palm Springs.
40	IWA Recycled Water Program	226	Wastewater			
43	Groundwater Quality Protection Perez Road Sewers	229	Wastewater	Torres Martinez is subject to 404 and 401 permitting authority. We have these permits in place but will have to continue to pursue new permits and we continue to expand.	All NEPA docs are in place for this project at this time.	
44	Groundwater Quality Protection South City Improvement District (SCID)	230	Wastewater	The project will require approval from Desert Water Agency and encroachment permits from the City of Cathedral City and possibly Riverside County Flood Control.	A CEQA Categorical Exemption has been issued for this project by the City of Cathedral City.	The project was the subject of a sanitary sewer planning study completed in 2006.

#	Project Title	ID	Functional Area	Regulatory Permit(s)	CEQA/NEPA Documents	Feasibility Studies
49	Groundwater Quality Protection - West Cathedral City Septic Tank Replacement	235	Wastewater	The project will require approval from the Coachella Valley Water District and encroachment permits from the City of Cathedral City and possibly Riverside County Flood Control.	A CEQA Categorical Exemption would be issued for this project by the City of Cathedral City.	
58	Desert Edge Geothermal Water Conservation and Preservation	244	Wastewater			
63	Pierce Community Infrastructure - Sewer Sanitary Collection System (North)	249	Wastewater			Please refer to Coachella Valley Water Systems Assessments, March 2010 Conducted by Rural Community Assistance Corporation
25	Whitewater River Region and Coachella Valley Stormwater Channel Site Specific Objective Evaluation	210	Water Quality	N/A	An equivalent CEQA document will need to be prepared by RWQCB staff.	RWQCB adopted the TMDL which recognizes the potential need for further water quality analyses to support the proposed SSO.
27	Implementation of Total Maximum Daily Load Best Management Practices	212	Water Quality		The necessary CEQA documents will be prepared.	
28	Evaluate Stormwater Recharge Opportunities within the Desert Hot Springs MDP	213	Water Quality		Necessary CEQA documents will be completed.	Need to be developed.
34	Identification of Septic Wastewater Plumes in the MSWD Service Area	220	Water Quality			
35	College Of the Desert MTC Infrastructure	221	Water Quality			
47	Bridge Drainage System Design for 3 Whitewater River Bridges	233	Water Quality	The project will require approval from Coachella Valley Water District and encroachment permits from the City of Cathedral City, CVWD and possibly Riverside County Flood Control.	An EIR was completed for this project.	
50	Master Drainage Plan Implementation - Cathedral City South	236	Water Quality	The project will require approval from Desert Water Agency and encroachment permits from the City of Cathedral City and possibly Riverside County Flood Control.	A CEQA Categorical Exemption would be issued for this project by the City of Cathedral City.	The project was the subject of a sanitary sewer planning study completed in 2006.
53	Palm Springs Unified School District - Storm Drain Outflow Transport Contamination	239	Water Quality	The project will require approval from Coachella Valley Water District and encroachment permits from CVWD the City of Cathedral City and possibly Riverside County Flood Control.	A CEQA Categorical Exemption would be issued for this project by the City of Cathedral City.	
54	Groundwater Protection- Cathedral City Cove Drainage System 4	240	Water Quality	The project will require approval from Coachella Valley Water District and encroachment permits from CVWD and the City of Cathedral City.	A CEQA Categorical Exemption would be issued for this project by the City of Cathedral City.	
56	Palm Springs Line 43 and 43a	242	Water Quality	The project will require approval from Coachella Valley Water District and encroachment permits from the City of Cathedral City, Riverside County and CVWD.	A CEQA Categorical Exemption would be issued for this project by the City of Cathedral City.	
1	Mid Valley Pipeline Phase II	182	Water Supply	404, 401, streambed alteration, and construction permits from affected cities.	This project was included in the PEIR for the Coachella Valley Water Management Plan. An SEIR was obtained for Phase 1 and an SEIR will be needed for Phase 2.	The Mid-Valley Pipeline Final Concept Paper by GEI Consultants, October 2005, Identified 50 golf courses that could be served by a non-potable distribution system which would provide recycled municipal effluent from CVWD's Palm Desert Wastewater Reclamation Plant No. 10 and Colorado River water from the Coachella Canal.
3	Belardo Road Pipeline Replacement	188	Water Supply	None	Does not need CEQA documentation	The project was vetted and examined for feasibility during the preparation of the DWA General Plan.
5	Well Pumping Plants 44 and 45 of the Palm Springs Main Well Field	190	Water Supply		A Notice of Determination was adopted by the DWA, and a Mitigated Negative Declaration and Record of Project Approval was filed with the County Clerk of Riverside County.	Desert Water Agency 2008 Domestic Water System General Plan

#	Project Title	ID	Functional Area	Regulatory Permit(s)	CEQA/NEPA Documents	Feasibility Studies
6	Posse Park Surface Water Treatment Plant	191	Water Supply	Compliance with all current federal and state treatment goals and regulations for SWTPs, Domestic Water Supply Permit Amendment (DPH Riverside district 20), CWA Section 401 Water Quality Certification (RWQCB), ACT/PTO (South Coast AQMD, Area 3), Building Permit (City of Indio)	Under the SWTP Project, the City will serve as the Lead Agency, and it intends to prepare and MND to comply with CEQA requirements.	Water Resource Development Plan (IWA), Posse Park Surface Water Treatment Plant Conceptual Design Report (IWA)
7	Groundwater Elevation Monitoring--Regional project of CVRWMG	192	Water Supply			
8	Information Systems--a Regional Project of CVRWMG	193	Water Supply			
13	Treated Agricultural Drain Water for agricultural irrigation	198	Water Supply	Permits have not been obtained and would be part of the planning process	would be prepared via the planning process	2008 feasibility study completed by Malcom -Pirnie see previous entries
14	Siting studies, EIR and design of Colorado River Water Treatment Facility for municipal use	199	Water Supply	all regulatory permits that apply must be obtained.	An EIR will most likely be required.	A surface water treatment feasibility study was successfully completed by Malcolm-Pirnie in 2008 testing alternative treatment methods and system compatibility.
22	Eastern Coachella Valley Water Supply Project	207	Water Supply	Planning and design phase will not require permits and will determine the extent of permitting necessary. Most work will be in public right-of-way.	It is most likely that this type of project will require one or a series of mitigated negative declarations.	non to date
29	BDCP and DHCCP	214	Water Supply	DWR is in the process of obtaining regulatory permits	DWR will obtain regulatory documentation	DWR is conducting studies
31	Fargo Canyon Spreading Facility	216	Water Supply	Anticipated permit requirement include but are not limited to US Corp of Engineers, California Department of Fish and Game, Regional Water Quality Control Board, CEQA, NEPA.	No current documents available	Only preliminary hydrogeological investigation has been conducted. A full feasibility study is anticipated as part of this project.
32	1400 Zone Facilities	218	Water Supply			
36	Mission Creek/ Garnet Hill Subbasins Monitoring Program	222	Water Supply			
41	Coachella Valley Groundwater Model	227	Water Supply			
57	Coachella Valley Salt and Nutrient Management Plan	243	Water Supply	Project will require multiple permits.	project will be subject to CEQA process.	
59	Pierce Community Infrastructure - Regional Water Treatment Facility (North)	245	Water Supply			
60	St. Anthony of the Desert - Water Treatment Facility	246	Water Supply	The construction will be done on public right-of-way avoiding the need of regulatory permits. It is anticipated that the Riverside County Transportation Department will require an encroachment permit if the crossing of roads are required.	The project is likely to require a mitigated negative declaration.	No feasibility study is needed. The scope of the work will be developed on the preliminary engineering report.
61	Pierce Community Infrastructure – Water Extension Supply (South Section)	247	Water Supply	The construction will be done on private property at St. Anthony. Regulatory permits are expected from the Riverside County.	The implementation of the water treatment facility is a component of a comprehensive rehabilitation project developed by Pueblo Unido CDC under its Agricultural Worker Housing Rehabilitation Program. Currently, a Conditional Use Permit is in process with the County of Riverside. CEQA document is generated by the Planning Department and it is likely to require a mitigated negative declaration as part of the approval process.	Feasibility study has been completed, and engineering design is in progress. Research on available municipal water was conducted with CVWD. The agency reported that is at capacity to serve new projects in the Mecca area. The only solution CVWD offered is to extend 5.5 miles of water line from Middleton Rd. along Avenue 66 to the project with a cost of \$22,000,000 million dollars, making this alternative unfeasible. □ Currently, Pueblo Unido CDC has implemented an interim point-of-entry Reverse Osmosis water treatment approved by the Riverside County Environmental Health and the Department of Public Health. The interim system has offered access to families to collect drinking water at the water treatment station (please see enclosed picture), and provide an outstanding reliable and cost effective solution for drinking water. The permanent water treatment facility will have the capacity to distribute water to every household at the park with an estimated cost of 575,000 dollars. □ □ Pleas

#	Project Title	ID	Functional Area	Regulatory Permit(s)	CEQA/NEPA Documents	Feasibility Studies
62	Harrison Street (Sunbird and surrounding cluster)	248	Water Supply			No feasibility study is needed. The scope of work will be developed on the preliminary engineering report. The geographical location of existing water main lines simplifies and avoids the need for a feasibility study; support the readiness; and eliminates unnecessary costs. <input type="checkbox"/> <input type="checkbox"/> Please refer to Coachella Valley Water Systems Assessments, March 2010 <input type="checkbox"/> Conducted by Rural Community Assistance Corporation
64	South Mecca Plan	250	Water Supply	The construction will be done on public right-of-way avoiding the need of regulatory permits. It is anticipated that the Riverside County Transportation Department will require an encroachment permit if the crossing of roads are required.	The project has already adopted a mitigated negative declaration.	No feasibility study is required. A preliminary engineering report and environmental report is complete.
65	Surface Water Treatment Study	251	Water Supply	Design stage only.		Design stage only
67	Recycled Water Feasibility Study	253	Water Supply	No permits are needed.		Not applicable.
68	Short Term Arsenic Treatment Program	254	Water Supply			



**Appendix B**  
**Coachella Valley IRWM Project List (as of Sept 30, 2010)**  
**Benefits to DACs and Tribes**

#	Project Title	ID	Functional Area	Address Critical WQ Issue of DAC	Address Critical WQ Issue of DAC	Benefits DAC/EJ	Potential Impacts DAC / EJC	Addresses Needs of Native American Tribes
1	Achieve 14 percent reduction in Agricultural Water Use	197	Conservation	Yes				
2	Smart Water Conservation Programs	219	Conservation	Yes	Primary well in this pressure zone has elevated uranium levels.			
3	DMMs for CVRWMG Partners	223	Conservation	Yes	Monitors water quality impacts and status of groundwater supply.	Improve the understanding of local hydrologic and geologic conditions, especially with respect to overdraft conditions in the Mission Creek and Garnet Hill Subbasins and artificial recharge of the subbasins.		
4	Resource Action Programs	224	Conservation	Yes		UWMP DMMs demand conservation programs which will result in people using less water, which addresses issue of overdraft in the groundwater basins and works towards sustainable use and supply. Several partner agencies serve disadvantaged communities and these programs will benefit those communities.		
5	Desert Hot Springs Community Gardens	225	Conservation	Yes	This project will offset high-quality potable ground water consumption by reducing consumption in residential households thru installation of water efficient fixtures such as low flow showerheads and faucet aerators. This grant will enable MSWD to provide the efficient fixtures at no charge to our economically disadvantaged customers.	This project will offset high-quality potable groundwater consumption by reducing consumption in residential households thru installation of water efficient plumbing fixtures such as low flow showerheads and faucet aerators. This grant will enable MSWD to provide the efficient plumbing fixtures at no cost to its economically disadvantaged customers.		
6	Implementation of Projects in Garnet Wash and Tributaries Master Plan	194	Flood Control	No				
7	Implementation of Projects in East Wide Channel, Long Canyon and Tributaries Master Plan	195	Flood Control	Yes				
8	Implementation of projects for Cathedral City Master Plan	196	Flood Control	Yes	The proposed project is located near areas of disadvantaged communities in Cathedral City.			
9	Implementation of projects in the Palm Springs area Master Drainage Plan	200	Flood Control	No				
10	Implement projects in the Desert Hot Springs Area Master Drainage Plan	201	Flood Control	Yes	There are areas of disadvantaged communities within Desert Hot Springs where the projects are proposed.			
11	East Cathedral Canyon Channel Levee Restoration	202	Flood Control	No				
12	Verbena Channel	203	Flood Control	No				
13	Palm Springs MDP line 41	204	Flood Control	Yes	safely conveys floodwaters through the cities, thus reducing water quality pollution caused by land use inundation.			

#	Project Title	ID	Functional Area	Address Critical WQ Issue of DAC	Address Critical WQ Issue of DAC	Benefits DAC/EJ	Potential Impacts DAC / EJC	Addresses Needs of Native American Tribes
14	Eagle Canyon Dam	205	Flood Control	Yes	The project will reduce downstream poln and flood damage, some of which may be disadvantaged community areas.			
15	Whitewater River Levee Restoration	206	Flood Control	0				
16	Tahquitz Creek Levee Reconstruction	209	Flood Control	No				
17	Groundwater Quality Protection and Floodplain Management - Eagle Canyon Dam and Lines 43 and 41	231	Flood Control	Yes	In response to EPA and RWCQB recommendations, the City of Cathedral City made significant entrepreneurial efforts to secure funding and implement three groundwater protection projects: Cathedral City Cove, 35th Avenue and Dream Homes Septic Tank Elimination Projects.		Negative project impacts are associated with the construction phase of the project where dust, traffic control, noise and general inconvenience may be issued to be mitigated. No serious impacts are anticipated.	The project borders three sections of Tribal land which are affected by ground water pollution to the Palm Springs sub-Basin.
18	Master Drainage Plan Implementation - Ramon Road Corridor	234	Flood Control	Yes	All three bridges are part of the Agua Caliente Band of Cahuilla Indian Reservation Roads Program		The City of Cathedral City has been declared a Disadvantaged Community (DAC). In addition, every other section of land (640 Acres) within the City limits is Indian Reservation Land. This project will not impact disadvantaged citizens.	
19	Flood Control and Recycling of Storm, Non Storm Run Off Water - Desert Cove Golf Course	237	Flood Control	Yes	Cathedral City is a disadvantaged community.		The City of Cathedral City has been declared a Disadvantaged Community (DAC). In addition, every other section of land (640 Acres) within the City limits is Indian Reservation Land. This project will not impact disadvantaged citizens.	
20	Ramon Road Corridor - Improve Flood Protection	238	Flood Control	Yes	Flood Control Protection and Economic Development	0	The City of Cathedral City has been declared a Disadvantaged Community (DAC). In addition, every other section of land (640 Acres) within the City limits is Indian Reservation Land. This project will not impact disadvantaged citizens.	
21	Stormwater Master Plan	252	Flood Control	Yes		City of Coachella is a DAC.	This is a planning project. No adverse impacts are anticipated.	
22	Construct Wetland, Riparian, and Pupfish Habitat for CVMSHCP and Natural Community Conservation Plan	208	Natural Resources and Watersheds					
23	Desert Cahuilla Wetlands Expansion	228	Natural Resources and Watersheds	No				
24	Perris Dam Remediation Program	215	Other	No				
25	Water, Sewer and Drainage - North City Specific Plan	232	Other	Yes	The Agua Caliente Band of Cahuilla Indians land is undevelopable - floodplain hazard designation		This project will not impact disadvantage citizens.	
26	Cathedral City North City Specific Plan - East Sub-Region	241	Other	No				
27	Water Recycling Efficiency and Capacity Improvement Project	187	Wastewater					
28	Groundwater Quality Protection Project	189	Wastewater	Yes	Yes, this project is within a DAC.			
29	Little Tuscany Sewer Improvements	211	Wastewater	Yes				
30	IWA Recycled Water Program	226	Wastewater	Yes				



#	Project Title	ID	Functional Area	Address Critical WQ Issue of DAC	Address Critical WQ Issue of DAC	Benefits DAC/EJ	Potential Impacts DAC / EJC	Addresses Needs of Native American Tribes
31	Groundwater Quality Protection Perez Road Sewers	229	Wastewater	Yes				
32	Groundwater Quality Protection South City Improvement District (SCID)	230	Wastewater	Yes	Cathedral City is a Disadvantaged Community. Project will improve water quality by eliminating septic tanks.	The City of Cathedral City has been declared a Disadvantaged Community (DAC). In addition, every other section of land (640 Acres) within the City limits is Indian Reservation Land.	This project will not impact disadvantaged citizens.	
33	Groundwater Quality Protection - West Cathedral City Septic Tank Replacement	235	Wastewater	Yes	Cathedral City is a Disadvantaged Community. Project directs water to recharge areas more uniformly.		This project will not impact disadvantaged citizens. Negative project impacts are associated with the construction phase of the project where dust, traffic control, noise and general inconvenience may be issued to be mitigated. No serious impacts are anticipated.	
34	Desert Edge Geothermal Water Conservation and Preservation	244	Wastewater	Yes	This project addresses groundwater quality throughout the Valley, including DAC areas.			
35	Pierce Community Infrastructure - Sewer Sanitary Collection System (North)	249	Wastewater	Yes	The Southeast Coachella Valley is facing arsenic contamination, which is concentrated in an area where predominantly low-income, farmworker residents reside in mobile home parks. Currently there are only a handful of □ mobile home parks that provide an alternate source of drinking water or treat the water for arsenic contamination.	This project is concentrated in the community of Thermal, impacting mobile home parks where primarily low-income, seasonal farmworkers reside.	Impacts to Disadvantaged This project will benefit some of the poorest residents of the coachella valley, providing □ them with a connection to a safe and reliable source of drinking water.	
36	Whitewater River Region and Coachella Valley Stormwater Channel Site Specific Objective Evaluation	210	Water Quality	Yes	The CVSC is listed as a 303(d) impaired water body for bacteria and pathogens. This study can help prove if the bacterial is naturally occurring or from outside sources.		Project benefits a receiving water serving some disadvantaged areas of the Coachella Valley.	
37	Implementation of Total Maximum Daily Load Best Management Practices	212	Water Quality	Yes	Implementing BMPS that prevent normal urban runoff flows from entering the CVSC or treat the flows will help reduce the loading of pollutants from the City of Coachella discharge outfalls, and enable compliance with TMDL requirements.		The projects will improve water quality within an area that contains disadvantaged communities.	
38	Evaluate Stormwater Recharge Opportunities within the Desert Hot Springs MDP	213	Water Quality	Yes	There are disadvantaged communities within Desert Hot Springs. Groundwater recharge projects would contribute to groundwater levels and in turn contribute to the water pumped by the Mission Springs Water District and provided as a service to the residences located within Desert Hot Springs.		Would increase the stability of water supply to disadvantaged communities.	
39	Identification of Septic Wastewater Plumes in the MSWD Service Area	220	Water Quality	Yes				
40	College Of the Desert MTC Infrastructure	221	Water Quality	Yes				

#	Project Title	ID	Functional Area	Address Critical WQ Issue of DAC	Address Critical WQ Issue of DAC	Benefits DAC/EJ	Potential Impacts DAC / EJC	Addresses Needs of Native American Tribes
41	Bridge Drainage System Design for 3 Whitewater River Bridges	233	Water Quality	Yes	Economic Development for the Agua Caliente Band of Cahuilla Indians (Sections 2 & 4) and the City of Cathedral City		The City of Cathedral City has been declared a Disadvantaged Community (DAC). In addition, every other section of land (640 Acres) within the City limits is Indian Reservation Land. This project will not impact disadvantage citizens.	
42	Master Drainage Plan Implementation - Cathedral City South	236	Water Quality	Yes			The City of Cathedral City has been declared a Disadvantaged Community (DAC). In addition, every other section of land (640 Acres) within the City limits is Indian Reservation Land. This project will not impact disadvantaged citizens.	
43	Palm Springs Unified School District - Storm Drain Outflow Transport Contamination	239	Water Quality	Yes				
44	Groundwater Protection- Cathedral City Cove Drainage System 4	240	Water Quality	Yes			The City of Cathedral City has been declared a Disadvantaged Community (DAC). In addition, every other section of land (640 Acres) within the City limits is Indian Reservation Land. This project will not impact disadvantaged citizens.	
45	Palm Springs Line 43 and 43a	242	Water Quality	Yes				
46	Mid Valley Pipeline Phase II	182	Water Supply					
47	Belardo Road Pipeline Replacement	188	Water Supply	No		Palm Springs residents in this distribution system will benefit from a more efficient distribution of domestic water.		The planned pipeline intersects tribal burial lands. DWA and the tribes will work together to ensure preservation of these lands.
48	Well Pumping Plants 44 and 45 of the Palm Springs Main Well Field	190	Water Supply	Yes		This project would increase the potable water supply for DACs in Cathedral City and Palm Springs.		
49	Posse Park Surface Water Treatment Plant	191	Water Supply	No		Construction of a regional SWTP could provide a new water supply for the City of Coachella, benefiting this DAC. Reduction in the groundwater overdraft in the Thermal Sub area will also benefit the smaller pockets of DAC's in areas such as Thermal. If groundwater storage increases in these areas, risk of constituents migration to the lower aquifer is addressed, thereby protecting water quality.		
50	Groundwater Elevation Monitoring--Regional project of CVRWMG	192	Water Supply	Yes	provides monitoring and reporting			
51	Information Systems--a Regional Project of CVRWMG	193	Water Supply	No				
52	Treated Agricultural Drain Water for agricultural irrigation	198	Water Supply	Yes	Project is ready for planning grants. 7,000,000 represents planning grant funds requested			
53	Siting studies, EIR and design of Colorado River Water Treatment Facility for municipal use	199	Water Supply	Yes	Provides a an alternative to groundwater with higher than permissible arsenic levels.			
54	Eastern Coachella Valley Water Supply Project	207	Water Supply	Yes				

#	Project Title	ID	Functional Area	Address Critical WQ Issue of DAC	Address Critical WQ Issue of DAC	Benefits DAC/EJ	Potential Impacts DAC / EJC	Addresses Needs of Native American Tribes
55	BDCP and DHCCP	214	Water Supply	Yes	All areas of Southern California will benefit from increased reliability.	Improving imported supply will allow for water affordability		Improved reliability increases supplies for all.
56	Fargo Canyon Spreading Facility	216	Water Supply	No				
57	1400 Zone Facilities	218	Water Supply	Yes				
58	Mission Creek/ Garnet Hill Subbasins Monitoring Program	222	Water Supply	Yes				
59	Coachella Valley Groundwater Model	227	Water Supply	No				
60	Coachella Valley Salt and Nutrient Management Plan	243	Water Supply	No				
61	Pierce Community Infrastructure - Regional Water Treatment Facility (North)	245	Water Supply	Yes	A sewer system linking Desert Edge to a waste water treatment plan protects the geothermal groundwater wells.			
62	St. Anthony of the Desert - Water Treatment Facility	246	Water Supply	Yes				
63	Pierce Community Infrastructure – Water Extension Supply (South Section)	247	Water Supply	Yes	The water treatment facility supply will provide reliable and safe drinking water for farm worker and low-income (disadvantaged) communities in the eastern Coachella Valley.	The water treatment facility will service farm worker and very-low income families that fall within the definition of a Disadvantage Community (DAC) with an annual median household income (MHI) that is less than 80% of the Statewide MHI. The proposed water extension supply will address the top priority which is to provide safe and reliable drinking water. Additionally, the project will create a new array of community development resources and opportunities including rehabilitation and new affordable housing, community facilities, and overall healthy environment.	The water treatment facility will greatly benefit the poorest residents of the Coachella Valley with safe and reliable drinking water.	
64	Harrison Street (Sunbird and surrounding cluster)	248	Water Supply	Yes		This project is concentrated in the community of Thermal, impacting mobile home parks □ where primarily low-income, seasonal farmworkers reside.		
65	South Mecca Plan	250	Water Supply	0				
66	Surface Water Treatment Study	251	Water Supply	Yes	The entire community of Mecca and its adjacent surrounds are negatively impacted by higher than acceptable levels of Arsenic in the groundwater. In order to ensure safe reliable supply of drinking water for the expanding Mecca community it is essential to plan and implement expanded service in this area.	The unincorporated community of Mecca falls well within the DAC definition. All facets of the Project will enure to the benefit of the DAC and its residents, current and future.	All impacts are expected to be positive.	
67	Recycled Water Feasibility Study	253	Water Supply	No		City of Coachella is a DAC.	This is a planning project. No adverse impacts are anticipated.	
68	Short Term Arsenic Treatment Program	254	Water Supply	Yes	Implementation of recycled water use in the City of Coachella will reduce the cost and consumption of potable water			



**Appendix B**  
**Coachella Valley IRWM Project List (as of Sept 30, 2010)**  
**Strategic Considerations**

#	Title	ID	Functional Area	Identified in Existing Plan	Project Partners	Identify Linkages with Other Projects
1	Achieve 14 percent reduction in Agricultural Water Use	197	Conservation	This project is identified in the Coachella Valley Water Management Plan	CVWD, and other agencies who benefit from conserved water	
2	Smart Water Conservation Programs	219	Conservation	2010 Adopted IWA Urban Water Efficiency and Conservation Master Plan; 2010 Adopted IWA Master Plan	The Smart Water Conservation Plan has the ability to be implemented and practiced by all water agencies and government entities throughout the Coachella Valley. IWA encourages this project to be a regional project.	Conservation is an objective for all water purveyors. Conservation will assist in making all Coachella Valley projects more affordable and reliable.
3	DMMs for CVRWMG Partners	223	Conservation	Urban Water Management Plans	Coachella Valley Water District (CVWD) □ Indio Water Authority (IWA) □ Coachella Water Authority (CWA) □ Desert Water Agency (DWA)	
4	Resource Action Programs	224	Conservation		Resource Action Programs, LLC (RAP) is the program provider.	
5	Desert Hot Springs Community Gardens	225	Conservation	City of Desert Hot Springs Community Services Plan	City of Desert Hot Springs, The Toro Company	
6	Implementation of Projects in Garnet Wash and Tributaries Master Plan	194	Flood Control			
7	Implementation of Projects in East Wide Channel, Long Canyon and Tributaries Master Plan	195	Flood Control			
8	Implementation of projects for Cathedral City Master Plan	196	Flood Control			
9	Implementation of projects in the Palm Springs area Master Drainage Plan	200	Flood Control			
10	Implement projects in the Desert Hot Springs Area Master Drainage Plan	201	Flood Control			
11	East Cathedral Canyon Channel Levee Restoration	202	Flood Control		City of Cathedral City	
12	Verbena Channel	203	Flood Control			
13	Palm Springs MDP line 41	204	Flood Control	Palm Springs Master Drainage Plan.	City of Palm Springs, Cathedral City	
14	Eagle Canyon Dam	205	Flood Control	Palm Springs area Master Drainage Plan	Palm Springs, Cathedral City	Palm Springs Line 43
15	Whitewater River Levee Restoration	206	Flood Control			
16	Tahquitz Creek Levee Reconstruction	209	Flood Control		Riverside County Flood Control & Water Conservation District	Riverside County Flood Control & Water Conservation District (RCFC) is in process to certify all of the levees in Riverside County that RCFC owns, operates and maintains. Several levees owned by RCFC in Palm Springs have been identified as Provisionally Accredited by FEMA, and RCFC is in process to perform analysis and make improvements necessary to improve the levees to the criterion set forth in 44 CFR 65.10. The Tahquitz Creek levee owned by the City of Palm Springs is the only levee in the City not owned by RCFC, and this project coordinates the process to certify all levees in the City.
17	Groundwater Quality Protection and Floodplain Management - Eagle Canyon Dam and Lines 43 and 41	231	Flood Control	RCFC & WCD Initial Study	Riverside County Flood Control & Water Conservation District, Agua Caliente Band of Cahuilla Indians, City of Palm Springs, Desert Water Agency	Line 41 in the City of Palm Springs
18	Master Drainage Plan Implementation - Ramon Road Corridor	234	Flood Control		Agua Caliente Band of Cahuilla Indians, Coachella Valley Water District	

#	Title	ID	Functional Area	Identified in Existing Plan	Project Partners	Identify Linkages with Other Projects
19	Flood Control and Recycling of Storm, Non Storm Run Off Water - Desert Cove Golf Course	237	Flood Control	Desert Cove Flood Control Plan, Cathedral Canyon Drive Bridge	Coachella Valley Water District, Riverside County Flood Control & Water Conservation District, Agua Caliente Band of Cahuilla Indians	Cathedral Canyon Drive Bridge and the Date Palm Drive Bridge widening from 4 to 6 Lanes, CVWD Master Plan
20	Ramon Road Corridor - Improve Flood Protection	238	Flood Control		Coachella Valley Water District, Riverside County Flood Control & Water Conservation District, Agua Caliente Band of Cahuilla Indians	CVWD Master Plan
21	Stormwater Master Plan	252	Flood Control			
22	Construct Wetland, Riparian, and Pupfish Habitat for CVMSHCP and Natural Community Conservation Plan	208	Natural Resources and Watersheds	Coachella Valley MSHCP □ CVWD capital improvement Budget □ CV Water Management Plan 2010 Update	CVWD, Fish and Game, Fish and Wildlife, possibly Torres Martinez Desert Cahuilla Indians	Linked to Flood control projects within the Coachella Valley Stormwater Channel
23	Desert Cahuilla Wetlands Expansion	228	Natural Resources and Watersheds		US EPA, US Bureau of Reclamation, State of California DWR, Audubon, Pacific Institute, Defenders of Wildlife, Sierra Club	the State of California shallow habitat complex as identified in the scoping documents by the State of California Natural Resources Fish and Game Departments.
24	Perris Dam Remediation Program	215	Other		Department of Water Resources, Coachella Valley Water District, Metropolitan Water District. □ This project is projected to be funded 63.3% by MWD, 32.2% by CVWD and 4.4% by DWA.	SWP storage, recreation
25	Water, Sewer and Drainage - North City Specific Plan	232	Other	The North City Specific Plan	Coachella Valley Water District, Agua Caliente Band of Cahuilla Indians, Riverside County Flood Control and Water Conservation District, Coachella Valley Association of Governments	CVWD Master Plan
26	Cathedral City North City Specific Plan - East Sub-Region	241	Other	Cathedral City Annexation Plan from the current East City Limits to Ramon Road before LAFCO.	Coachella Valley Water District, Agua Caliente Band of Cahuilla Indians, Riverside County Flood Control and Water Conservation District, Coachella Valley Association of Governments	
27	Water Recycling Efficiency and Capacity Improvement Project	187	Wastewater		Bureau of Reclamation, Agua Caliente Band of Cahuilla Indians	
28	Groundwater Quality Protection Project	189	Wastewater	MSWD CIP, MSWD Wastewater Master Plan, Regional Water Quality Control Board Basin Management Plan, City of DHS CIP	City of Desert Hot Springs	
29	Little Tuscany Sewer Improvements	211	Wastewater		Desert Water Agency	
30	IWA Recycled Water Program	226	Wastewater	IWA 2007 Water Master Plan, May 2008 □ IWA 2005 Urban Water Management Plan Addendum, September 2008 □ IWA Integrated Water Resources Development Plan, Phase 1, January 2008 □ IWA Integrated Water Resources Development Plan, Phase 2, August 2008 □ IWA 2010 Urban Water Conservation and Efficiency Plan, April 2010 □ IWA 2010 Urban Water Management Plan, May 2010	TBD	
31	Groundwater Quality Protection Perez Road Sewers	229	Wastewater	Desert Water Agency South Area Master Plan	Desert Water Agency (DWA)	This project links to the Cove Sewer Project completed by the City of Cathedral City in 2009, and the proposed South City Improvement District to eliminate the last remaining septic tanks inside the City limits.
32	Groundwater Quality Protection South City Improvement District (SCID)	230	Wastewater		Agua Caliente Band of Cahuilla Indians, □ Coachella Valley Water District	
33	Groundwater Quality Protection - West Cathedral City Septic Tank Replacement	235	Wastewater		Desert Water Agency	In response to EPA and RWCQB recommendations, the City of Cathedral City made significant entrepreneurial efforts to secure funding and implement three groundwater protection projects: Cathedral City Cove, 35th Avenue and Dream Homes Septic Tank Elimination Projects.
34	Desert Edge Geothermal Water Conservation and Preservation	244	Wastewater		Mission Springs Water District, Coachella Valley Water District, Desert Water Agency and County of Riverside.	

#	Title	ID	Functional Area	Identified in Existing Plan	Project Partners	Identify Linkages with Other Projects
35	Pierce Community Infrastructure - Sewer Sanitary Collection System (North)	249	Wastewater		Pierce Community Infrastructure Committee, Poder Popular of the Eastern Coachella Valley, California Rural Legal Assistance Foundation, Environmental Justice Coalition on Water, San Jose Community & Bea Main Learning Center	The proposed sewer sanitary collection system will create new opportunities for rehabilitation and new affordable housing; support for the San Jose Community & Bea Main Learning Center that is currently under construction, and overall community revitalization.
36	Whitewater River Region and Coachella Valley Stormwater Channel Site Specific Objective Evaluation	210	Water Quality	This project would implement one of the requirements of the CVSC TMDL implementation plan, which is a requirement of the Water Quality Control Basin Plan of the Colorado RWQCB.	Cities within the Coachella Valley, CVWD, and the Regional Water Quality Control Board- Colorado River Region.	
37	Implementation of Total Maximum Daily Load Best Management Practices	212	Water Quality	This project would implement one of the requirements of the CVSC TMDL implementation plan, which is a requirement of the Water Quality Control Basin Plan of the Colorado RWQCB.	City of Coachella	Link to TMDL SSO proposed project.
38	Evaluate Stormwater Recharge Opportunities within the Desert Hot Springs MDP	213	Water Quality	Mission Springs Water District's UWMP.	Mission Springs Water District	Desert Hot Springs Master Drainage Plan
39	Identification of Septic Wastewater Plumes in the MSWD Service Area	220	Water Quality	MSWD Wastewater Master Plan; Transport of Contaminants from Wastewater Disposal Systems Near Mission Creek Subbasin		
40	College Of the Desert MTC Infrastructure	221	Water Quality		Riverside County Economic Development Agency	
41	Bridge Drainage System Design for 3 Whitewater River Bridges	233	Water Quality	Coachella Valley Association of Governments Transportation Project Priority Study; Cathedral City and Palm Springs General Plans, Agua Caliente Caliente Band of Cahuilla Indians Federal List of Indian Reservation Roads	Agua Caliente Band of Cahuilla Indians, City of Palm Springs, Riverside County Flood Control and Water Conservation District, Coachella Valley Water District, Army Corps of Engineers	
42	Master Drainage Plan Implementation - Cathedral City South	236	Water Quality			
43	Palm Springs Unified School District - Storm Drain Outflow Transport Contamination	239	Water Quality	Cathedral City 1994 Master Drainage Plan (Which is out of date) due to development.	Cathedral City, Coachella Valley Water District, Palm Springs Unified School District, Cathedral City Elementary School	Master Drainage Plan - Cathedral City South, 35th Dssessment District sewer installation and septic system elimination by the year 2012
44	Groundwater Protection- Cathedral City Cove Drainage System 4	240	Water Quality	Cove Phase 1 Sewer and Storm Drain Installation, Cove Phase 2 Sewer and Storm Drain Installation, Cove Storm Drain System1 1 through 12.	CVWD, Riverside County Flood Control	
45	Palm Springs Line 43 and 43a	242	Water Quality	Palm Springs Master Drainage Plan	Cathedral City, Palm Springs	Palm Springs Line 41, Eagle Canyon Dam
46	Mid Valley Pipeline Phase II	182	Water Supply	This project is listed in the Coachella Valley Water Management Plan.		
47	Belardo Road Pipeline Replacement	188	Water Supply	Desert Water Agency General Plan	Desert Water Agency	
48	Well Pumping Plants 44 and 45 of the Palm Springs Main Well Field	190	Water Supply	Desert Water Agency 2008 Domestic Water System General Plan		
49	Posse Park Surface Water Treatment Plant	191	Water Supply	The IWA's Resource Development Plan and the 2010 UWMP both identify a SWTP to serve existing and future growth in the City of Indio. The 2002 Coachella Valley Water Management Plan discusses municipal use of Coachella Canal water within the ID-1 boundary, requiring one or more surface water treatment facilities with a capacity of at least 30MGD to be brought on-line in the 2020-2030 timeline. The City of Coachella's Water Master Plan also identifies a future SWTP needed to serve future growth.	Should plant be expanded to serve a regional need, potential project partners would include CVWD and the City of Coachella.	
50	Groundwater Elevation Monitoring-- Regional project of CVRWMG	192	Water Supply		Coachella Water Authority, Coachella Valley Water District, Desert Water Authority, Indio Water Agency, Mission Springs Water District	
51	Information Systems--a Regional Project of CVRWMG	193	Water Supply		Coachella Valley Water District, Desert Water Agency, Indio Water Authority, Coachella Water Authority, Mission Springs, Water District	

#	Title	ID	Functional Area	Identified in Existing Plan	Project Partners	Identify Linkages with Other Projects
52	Treated Agricultural Drain Water for agricultural irrigation	198	Water Supply	Coachella Valley Water Management Plan ☐ CVWD Capital Improvement Program	Agricultural stakeholders and other stakeholders who may benefit from new water supplies	
53	Siting studies, EIR and design of Colorado River Water Treatment Facility for municipal use	199	Water Supply	Coachella Valley Water Management Plan ☐ CVWD Capital Improvement Program	Potentially City of Indio and City of Coachella	
54	Eastern Coachella Valley Water Supply Project	207	Water Supply		County of Riverside, possibly California Rural Legal Assistance, Riverside County Economic Development Agency, Torres Martinez Desert Cahuilla Indians	
55	BDCP and DHCCP	214	Water Supply		Department of Water Resources, Coachella Valley Water District.	It is linked to other east valley arsenic programs
56	Fargo Canyon Spreading Facility	216	Water Supply			
57	1400 Zone Facilities	218	Water Supply	MSWD Water Master Plan, FY2011 CIP Budget		
58	Mission Creek/ Garnet Hill Subbasins Monitoring Program	222	Water Supply			
59	Coachella Valley Groundwater Model	227	Water Supply		Members of CVIRWM group	
60	Coachella Valley Salt and Nutrient Management Plan	243	Water Supply		Coachella Valley Water District, Desert Water Agency, Mission Springs Water District, Indio Water Authority, and Coachella Water Authority.	
61	Pierce Community Infrastructure - Regional Water Treatment Facility (North)	245	Water Supply		Pierce Community Infrastructure Committee ☐ Poder Popular of the Eastern Coachella Valley (Poder Popular) ☐ California Rural Legal Assistance Foundation (CRLAF) ☐ California Rural Legal Assistance (CRLA, Inc) ☐ Environmental Justice Coalition on Water (EJCW) ☐ Coachella Valley Water District (CVWD) ☐ San Jose Community & B.M. Learning Center	
62	St. Anthony of the Desert - Water Treatment Facility	246	Water Supply		Poder Popular of the Eastern Coachella Valley (Poder Popular) ☐ California Rural Legal Assistance Foundation (CRLAF) ☐ Environmental Justice Coalition on Water (EJCW) ☐ California Rural Legal Assistance (CRLA Inc) ☐ Coachella Valley Water District (CVWD)	The proposed water treatment facility supply is a component of a comprehensive rehabilitation program to include the construction of a community park with multi-purpose facility and child care center; and will create new opportunities for community revitalization.
63	Pierce Community Infrastructure – Water Extension Supply (South Section)	247	Water Supply		Pierce Community Infrastructure Committee ☐ Poder Popular of the Eastern Coachella Valley (Poder Popular) California Rural Legal ☐ Assistance Foundation (CRLAF) Environmental Justice Coalition on Water (EJCW) ☐ Centro Medico Oasis ☐ San Jose Community & B.M. Learning Center	The issue of arsenic contamination is pervasive in the Eastern Coachella Valley, impacting ☐ The proposed water extension supply will create new opportunities for rehabilitation and new affordable housing; support for the Centro Medico Oasis which is the only primary care clinic in the area; Oasis Fire Station; an small grocery store and overall community revitalization.
64	Harrison Street (Sunbird and surrounding cluster)	248	Water Supply		Poder Popular of the Eastern Coachella Valley (Poder Popular) California Rural Legal ☐ Assistance Foundation (CRLAF) Environmental Justice Coalition on Water (EJCW) California Rural Legal ☐ Assistance Inc (CRLA) Coachella Valley Water District (CVWD)	The issue of arsenic contamination is pervasive in the Eastern Coachella Valley, impacting mostly low-income, disadvantaged residents of the area. There is also potential for septic system leaks contaminating groundwater, and major leakages creating health hazards in the community.
65	South Mecca Plan	250	Water Supply	Mecca Community Council area (file attached)	Coachella Valley Water District	To be provided
66	Surface Water Treatment Study	251	Water Supply			
67	Recycled Water Feasibility Study	253	Water Supply		Indio Water Authority, City of La Quinta	
68	Short Term Arsenic Treatment Program	254	Water Supply	RCAC Study	Poder Popular of the Eastern Coachella Valley (Poder Popular) California Rural Legal Assistance Foundation (CRLAF) California Rural Legal Assistance (CRLA, Inc) Environmental Justice Coalition on Water (EJCW)	Municipal connections to water and sewer are primary and some septic to sewer conversion



**Appendix B**  
**Coachella Valley IRWM Project List (as of Sept 30, 2010)**  
**Climate Change Considerations**

#	Project Title	ID	#REF!	How project will adapt to long-term climate change	How project will mitigate its contribution to climate change
1	Achieve 14 percent reduction in Agricultural Water Use	197	Conservation		
2	Smart Water Conservation Programs	219	Conservation		
3	DMMs for CVRWGM Partners	223	Conservation		
4	Resource Action Programs	224	Conservation	UWMP DMMs demand conservation programs which will result in people using less water, which addresses issue of overdraft in the groundwater basins and works towards sustainable use and supply	
5	Desert Hot Springs Community Gardens	225	Conservation		
6	Implementation of Projects in Garnet Wash and Tributaries Master Plan	194	Flood Control		
7	Implementation of Projects in East Wide Channel, Long Canyon and Tributaries Master Plan	195	Flood Control		
8	Implementation of projects for Cathedral City Master Plan	196	Flood Control		
9	Implementation of projects in the Palm Springs area Master Drainage Plan	200	Flood Control		
10	Implement projects in the Desert Hot Springs Area Master Drainage Plan	201	Flood Control		
11	East Cathedral Canyon Channel Levee Restoration	202	Flood Control		
12	Verbena Channel	203	Flood Control		
13	Palm Springs MDP line 41	204	Flood Control		
14	Eagle Canyon Dam	205	Flood Control		
15	Whitewater River Levee Restoration	206	Flood Control		
16	Tahquitz Creek Levee Reconstruction	209	Flood Control		
17			Flood Control		
18	Groundwater Quality Protection and Floodplain Management - Eagle Canyon Dam and Lines 43 and 41	231	Flood Control		
19	Master Drainage Plan Implementation - Ramon Road Corridor	234	Flood Control		
20	Flood Control and Recycling of Storm, Non Storm Run Off Water - Desert Cove Golf Course	237	Flood Control		
21	Ramon Road Corridor - Improve Flood Protection	238	Flood Control		
22	Stormwater Master Plan	252	Flood Control	N/A	The project will reduce the City of Coachella's energy cost for pumping, because it will provide a local source of potable water for development in the eastern portion of the City's service area and prevent the need to pump large quantities of groundwater from the developed area of the City to points east.
23	Construct Wetland, Riparian, and Pupfish Habitat for CVMSHCP and Natural Community Conservation Plan	208	Natural Resources and Watersheds		
24	Desert Cahuilla Wetlands Expansion	228	Natural Resources and Watersheds		

#	Project Title	ID	#REF!	How project will adapt to long-term climate change	How project will mitigate its contribution to climate change
25	Perris Dam Remediation Program	215	Other		
26	Water, Sewer and Drainage - North City Specific Plan	232	Other		
27	Cathedral City North City Specific Plan - East Sub-Region	241	Other		
28	Water Recycling Efficiency and Capacity Improvement Project	187	Wastewater		The project will also increase energy efficiency, through the installation of solar power generating modules. The solar power created will be used to offset power costs, reduce the electrical grid demand and carbon footprint of the recycled water plant.
29	Groundwater Quality Protection Project	189	Wastewater		
30	Little Tuscany Sewer Improvements	211	Wastewater		
31	IWA Recycled Water Program	226	Wastewater		
32	Groundwater Quality Protection Perez Road Sewers	229	Wastewater		
33	Groundwater Quality Protection South City Improvement District (SCID)	230	Wastewater	Climate change will have little impact on this sewer project.	
34	Groundwater Quality Protection - West Cathedral City Septic Tank Replacement	235	Wastewater		
35	Desert Edge Geothermal Water Conservation and Preservation	244	Wastewater		
36	Pierce Community Infrastructure - Sewer Sanitary Collection System (North)	249	Wastewater	Collaborative efforts would take place to continue educating families on water use efficiency and water conservation practices.	
37	Whitewater River Region and Coachella Valley Stormwater Channel Site Specific Objective Evaluation	210	Water Quality		
38	Implementation of Total Maximum Daily Load Best Management Practices	212	Water Quality		
39	Evaluate Stormwater Recharge Opportunities within the Desert Hot Springs MDP	213	Water Quality		
40	Identification of Septic Wastewater Plumes in the MSWD Service Area	220	Water Quality	Conservation extends the availability of current and future water resources effectively helping to adapt to long-term climate change and future water shortages.	As groundwater levels lower pumps must work harder to pump the water to the surface. This increases the energy needed to move the water. Also, emissions from the pumps increase as they work longer and harder. Conservation can help stabilize groundwater levels avoiding the need for more energy and higher emissions.
41	College Of the Desert MTC Infrastructure	221	Water Quality		
42	Bridge Drainage System Design for 3 Whitewater River Bridges	233	Water Quality		
43	Master Drainage Plan Implementation - Cathedral City South	236	Water Quality		
44	Palm Springs Unified School District - Storm Drain Outflow Transport Contamination	239	Water Quality		
45	Groundwater Protection- Cathedral City Cove Drainage System 4	240	Water Quality		Completed project will have minimal contribution to climate change.
46	Palm Springs Line 43 and 43a	242	Water Quality		
47	Mid Valley Pipeline Phase II	182	Water Supply		This project uses high efficiency VFD pumping equipment and will move water in off peak hours. Golf courses will be expected to comply with Conservation Goals adopted in the Coachella Valley Water Management Plan

#	Project Title	ID	#REF!	How project will adapt to long-term climate change	How project will mitigate its contribution to climate change
48	Belardo Road Pipeline Replacement	188	Water Supply	The new pipeline can prevent water loss therefore preserving the supply and minimizing the amount required for pumping from the basin. Therefore, the new, more efficient pipeline will not only save water but reduce energy needs by reducing that need for pumping groundwater.	The pieple will reduce energy needs by reducing the need for pumping groundwater.
49	Well Pumping Plants 44 and 45 of the Palm Springs Main Well Field	190	Water Supply		High efficiency water pumps and electric motors will be selected for the pumping plant. The increased efficiency will reduce electrical demand for supplying water.
50	Posse Park Surface Water Treatment Plant	191	Water Supply		In the IWA Conceptual Design report discusses the installation of a solar system at the facility.
51	Groundwater Elevation Monitoring--Regional project of CVRWMG	192	Water Supply		
52	Information Systems--a Regional Project of CVRWMG	193	Water Supply		
53	Treated Agricultural Drain Water for agricultural irrigation	198	Water Supply		
54	Siting studies, EIR and design of Colorado River Water Treatment Facility for municipal use	199	Water Supply		
55	Eastern Coachella Valley Water Supply Project	207	Water Supply		
56	BDCP and DHCCP	214	Water Supply	The conveyence plans take into account climate change issues.	The conveyence plans take into account climate change issues.
57	Fargo Canyon Spreading Facility	216	Water Supply		
58	1400 Zone Facilities	218	Water Supply		
59	Mission Creek/ Garnet Hill Subbasins Monitoring Program	222	Water Supply		
60	Coachella Valley Groundwater Model	227	Water Supply		
61	Coachella Valley Salt and Nutrient Management Plan	243	Water Supply		
62	Pierce Community Infrastructure - Regional Water Treatment Facility (North)	245	Water Supply		
63	St. Anthony of the Desert - Water Treatment Facility	246	Water Supply		
64	Pierce Community Infrastructure – Water Extension Supply (South Section)	247	Water Supply	The collaborative outreach programs will continue to educate families on water use efficiency and conservation practices.	
65	Harrison Street (Sunbird and surrounding cluster)	248	Water Supply	Collaborative efforts will continue to educate families in the area on water use efficiency and conservation practices.	
66	South Mecca Plan	250	Water Supply		
67	Surface Water Treatment Study	251	Water Supply		
68	Recycled Water Feasibility Study	253	Water Supply	If rainfall events become more extreme, the risk of flooding is more acute. The project is intended to reduce the frequency and severity of flooding.	This is a planning project, which will be carbon neutral. Any BMPs implemented may include energy efficiency measures.
69	Short Term Arsenic Treatment Program	254	Water Supply	The project will assist Valley water purveyors in expanding use of recycled water supplies, which reduces dependence of imported water supplies and associated climate change impacts of long-distance water transfers. Expansion of recycled water systems also ensures water supply availability and reliability should imported water supplies be reduced due to changing climates.	This is a planning project, which will be carbon neutral. However, any BMPs implemented as part of this project will include energy efficiency measures in accordance with AB32 and the California Environmental Quality Act.



**Appendix B**  
**Coachella Valley IRWM Project List (as of Sept 30, 2010)**  
**Project Costs and Financing**

#	Project Title	ID	#REF!	Estimated Maximum Project Cost	Estimated Minimum Project Cost	Grant Funds Requested	Estimated Local Match Amount	Describe Match Type	Annual Operations Maintenance Cost	Ready for Prop 84 Impl Grant
1	Achieve 14 percent reduction in Agricultural Water Use	197	Conservation	\$1,000,000	\$500,000	\$1,000,000	\$0	In-kind services	\$1,000,000	Yes
2	Smart Water Conservation Programs	219	Conservation	\$7,700,000	\$900,000	\$1,000,000	\$0	\$40,000; Approved FY 2010-2011 IWA Budget	\$0	Yes
3	DMMs for CVRWMG Partners	223	Conservation	\$300,000	\$300,000	\$225,000	\$75,000		\$0	No
4	Resource Action Programs	224	Conservation	\$200,000	\$200,000	\$200,000	\$0	partner agencies donate their time in providing customer consultations MSWD donates staff time and resources to promoting program and holding workshops. \$8k per year provides for goal of reaching 150 to 200 households annually.	\$0	Yes
5	Desert Hot Springs Community Gardens	225	Conservation	\$10,000	\$5,000	\$8,000	\$0	City of DHS and MSWD operating budgets	\$8,000	Yes
6	Implementation of Projects in Garnet Wash and Tributaries Master Plan	194	Flood Control	\$645,000	\$483,750	\$483,750	\$161,250		\$0	Yes
7	Implementation of Projects in East Wide Channel, Long Canyon and Tributaries Master Plan	195	Flood Control	\$1,628,000	\$1,628,000	\$1,221,000	\$407,000		\$0	No
8	Implementation of projects for Cathedral City Master Plan	196	Flood Control	\$1,600,000	\$1,600,000	\$1,200,000	\$0		\$0	No
9	Implementation of projects in the Palm Springs area Master Drainage Plan	200	Flood Control	\$71,482,000	\$71,482,000	\$58,120,500	\$0		\$0	No
10	Implement projects in the Desert Hot Springs Area Master Drainage Plan	201	Flood Control	\$30,504,000	\$30,504,000	\$22,900,000	\$0		\$0	No
11	East Cathedral Canyon Channel Levee Restoration	202	Flood Control	\$1,222,000	\$857,000	\$916,000	\$0		\$0	Yes
12	Verbena Channel	203	Flood Control	\$11,839,000	\$7,905,794	\$7,708,000	\$0		\$0	Yes
13	Palm Springs MDP line 41	204	Flood Control	\$15,000,000	\$13,000,000	\$6,000,000	\$9,000,000	CIP funds from District and City of Palm Springs	\$10,000	Yes
14	Eagle Canyon Dam	205	Flood Control	\$7,643,000	\$6,600,000	\$6,232,250	\$0		\$0	Yes
15	Whitewater River Levee Restoration	206	Flood Control	\$50,420	\$31,260	\$35,600	\$0		\$0	Yes
16	Tahquitz Creek Levee Reconstruction	209	Flood Control	\$1,600,000	\$1,600,000	\$1,280,000	\$320,000	Local sewer and drainage funds.	\$10,000	Yes
17	Groundwater Quality Protection and Floodplain Management - Eagle Canyon Dam and Lines 43 and 41	231	Flood Control	\$16,500,000	\$15,000,000	\$11,000,000	\$0		\$0	Yes
18	Master Drainage Plan Implementation - Ramon Road Corridor	234	Flood Control	\$70,000,000	\$65,000,000	\$1,500,000	\$0		\$0	Yes
19	Flood Control and Recycling of Storm, Non Storm Run Off Water - Desert Cove Golf Course	237	Flood Control	\$14,400,000	\$12,000,000	\$300,000	\$0		\$0	Yes
20	Ramon Road Corridor - Improve Flood Protection	238	Flood Control	\$24,000,000	\$1,900,000	\$1,000,000	\$0		\$0	No
21	Stormwater Master Plan	252	Flood Control	\$250,000	\$200,000	\$187,500	\$62,500	CIP funds	\$0	Yes
22	Construct Wetland, Riparian, and Pupfish Habitat for CVMSHCP and Natural Community Conservation Plan	208	Natural Resources and Watersheds	\$10,000,000	\$7,000,000	\$1,000,000	\$250,000	CIP and in-kind services	\$500,000	Yes

#	Project Title	ID	#REF!	Estimated Maximum Project Cost	Estimated Minimum Project Cost	Grant Funds Requested	Estimated Local Match Amount	Describe Match Type	Annual Operations Maintenance Cost	Ready for Prop 84 Impl Grant
23	Desert Cahuilla Wetlands Expansion	228	Natural Resources and Watersheds	\$1,250,000	\$750,000	\$500,000	\$0	Federal Grants Funds	\$0	Yes
24	Perris Dam Remediation Program	215	Other	\$500,000,000	\$370,000,000	\$250,000,000	\$250,000,000	DWA, CVWD and MWD	\$0	Yes
25	Water, Sewer and Drainage - North City Specific Plan	232	Other	\$22,000,000	\$20,000,000	\$2,000,000	\$0		\$0	No
26	Cathedral City North City Specific Plan - East Sub-Region	241	Other	\$450,000	\$400,000	\$300,000	\$0		\$0	Yes
27	Water Recycling Efficiency and Capacity Improvement Project	187	Wastewater	\$14,600,000	\$11,704,184	\$2,500,000	\$1,000,000	Bureau of Reclamation- WaterSMART: Water and Energy Efficiency Grants for FY2010	\$33,800	Yes
28	Groundwater Quality Protection Project	189	Wastewater	\$68,000,000	\$1,000,000	\$1,000,000	\$3,000,000	Assessment District proceeds	\$500,000	Yes
29	Little Tuscany Sewer Improvements	211	Wastewater	\$2,100,000	\$2,100,000	\$1,575,000	\$525,000	Local wastewater funds.	\$25,000	Yes
30	IWA Recycled Water Program	226	Wastewater	\$40,000	\$15,000	\$30,000	\$10,000	The IWA has purchased the land for proposed recycled water program	\$0	Yes
31	Groundwater Quality Protection Perez Road Sewers	229	Wastewater	\$500,000	\$400,000	\$375	\$125	The City will form an assessment district to fund the local match	\$200,000	Yes
32	Groundwater Quality Protection South City Improvement District (SCID)	230	Wastewater	\$4,700,000	\$4,200,000	\$3,500,000	\$1,200,000		\$5,000	Yes
33	Groundwater Quality Protection - West Cathedral City Septic Tank Replacement	235	Wastewater	\$32,000,000	\$8,800,000	\$3,000,000	\$0		\$0	Yes
34	Desert Edge Geothermal Water Conservation and Preservation	244	Wastewater	\$300,000	\$250,000	\$200,000	\$75,000	18th Avenue improvements to meet air quality requirement - new electric plant west of Palm Drive and dust abatement	\$0	Yes
35	Pierce Community Infrastructure - Sewer Sanitary Collection System (North)	249	Wastewater	\$5,000,000	\$5,000,000	\$5,000,000	\$0	An application to the U.S. Department of Agriculture has been submitted in the amount of \$7,900,000.	\$0	Yes
36	Whitewater River Region and Coachella Valley Stormwater Channel Site Specific Objective Evaluation	210	Water Quality	\$1,400,000	\$1,000,000	\$1,000,000	\$0		\$0	Yes
37	Implementation of Total Maximum Daily Load Best Management Practices	212	Water Quality	\$200,000	\$90,000	\$200,000	\$0	\$30,000 from City of Coachella	\$3,000	Yes
38	Evaluate Stormwater Recharge Opportunities within the Desert Hot Springs MDP	213	Water Quality	\$1,200,000	\$1,000,000	\$900,000	\$0		\$0	Yes
39	Identification of Septic Wastewater Plumes in the MSWD Service Area	220	Water Quality	\$160,000	\$100,000	\$120,000	\$40,000	MSWD O&M funds	\$40,000	Yes
40	College Of the Desert MTC Infrastructure	221	Water Quality	\$500,000	\$500,000	\$375,000	\$75,000	general obligation bond funds	\$0	Yes
41	Bridge Drainage System Design for 3 Whitewater River Bridges	233	Water Quality	\$250,000,000	\$235,000,000	\$3,000,000	\$0		\$0	Yes
42	Master Drainage Plan Implementation - Cathedral City South	236	Water Quality	\$4,900,000	\$4,300,000	\$3,600,000	\$0		\$0	Yes
43	Palm Springs Unified School District - Storm Drain Outflow Transport Contamination	239	Water Quality	\$10,000,000	\$8,800,000	\$1,000,000	\$0		\$0	Yes
44	Groundwater Protection- Cathedral City Cove Drainage System 4	240	Water Quality	\$1,500,000	\$1,200,000	\$50,000	\$0		\$0	Yes

#	Project Title	ID	#REF!	Estimated Maximum Project Cost	Estimated Minimum Project Cost	Grant Funds Requested	Estimated Local Match Amount	Describe Match Type	Annual Operations Maintenance Cost	Ready for Prop 84 Impl Grant
45	Palm Springs Line 43 and 43a	242	Water Quality	\$180,000,000	\$140,000,000	\$2,000,000	\$0	District CIP funds	\$0	No
46	Mid Valley Pipeline Phase II	182	Water Supply	\$25,000,000	\$20,000,000	\$10,000,000	\$10,000,000	CIP	\$1,000,000	Yes
47	Belardo Road Pipeline Replacement	188	Water Supply	\$375,000	\$325,000	\$243,750	\$65,000	DWA capital improvement funds	\$0	Yes
48	Well Pumping Plants 44 and 45 of the Palm Springs Main Well Field	190	Water Supply	\$2,000,000	\$1,800,000	\$450,000	\$1	N/A	\$400,000	No
49	Posse Park Surface Water Treatment Plant	191	Water Supply	\$52,406,000	\$41,924,800	\$30,000,000	\$12,000,000	CIP funds	\$1,863,000	Yes
50	Groundwater Elevation Monitoring--Regional project of CVRWMG	192	Water Supply	\$100,000	\$100,000	\$75,000	\$0		\$0	No
51	Information Systems--a Regional Project of CVRWMG	193	Water Supply	\$100,000	\$100,000	\$75,000	\$0		\$0	No
52	Treated Agricultural Drain Water for agricultural irrigation	198	Water Supply	\$40,000,000	\$2,000,000	\$7,000,000	\$25	CIP funds and in-kind services	\$0	No
53	Siting studies, EIR and design of Colorado River Water Treatment Facility for municipal use	199	Water Supply	\$70,000,000	\$50,000,000	\$10,000,000	\$0		\$0	No
54	Eastern Coachella Valley Water Supply Project	207	Water Supply	\$25,000,000	\$10,000,000	\$2,000,000	\$500,000	CIP and in-kind services	\$1,000,000	Yes
55	BDCP and DHCCP	214	Water Supply	\$6,879,390	\$6,879,390	\$5,101,250	\$525,313	DWA and CVWD reserves.	\$0	Yes
56	Fargo Canyon Spreading Facility	216	Water Supply	\$45,000,000	\$30,000,000	\$10,000,000	\$10,000,000	Additional funding provided by water purveyor utilizing groundwater storage opportunity.	\$0	Yes
57	1400 Zone Facilities	218	Water Supply	\$30,504,000	\$30,504,000	\$22,900,000	\$0	CIP funds	\$0	Yes
58	Mission Creek/ Garnet Hill Subbasins Monitoring Program	222	Water Supply	\$10	\$7	\$5	\$0	MSWD operating budget	\$0	Yes
59	Coachella Valley Groundwater Model	227	Water Supply	\$180,000,000	\$53,000,000	\$39,000,000	\$0		\$2,600,000	Yes
60	Coachella Valley Salt and Nutrient Management Plan	243	Water Supply	\$7,000,000	\$6,000,000	\$5,000,000	\$1,000,000	In-kind services from CVRWMG agencies.	\$5,000	Yes
61	Pierce Community Infrastructure - Regional Water Treatment Facility (North)	245	Water Supply	\$3,000,000	\$1,500,000	\$3,000,000	\$0		\$0	Yes
62	St. Anthony of the Desert - Water Treatment Facility	246	Water Supply	\$12,000,000	\$12,000,000	\$12,000,000	\$0		\$0	Yes
63	Pierce Community Infrastructure - Water Extension Supply (South Section)	247	Water Supply	\$600,000	\$400,000	\$575,000	\$0		\$0	Yes
64	Harrison Street (Sunbird and surrounding cluster)	248	Water Supply	\$2,100,000	\$2,100,000	\$2,100,000	\$0		\$0	Yes
65	South Mecca Plan	250	Water Supply	\$7,900,000	\$7,100,000	\$3,500,000	\$0		\$0	Yes
66	Surface Water Treatment Study	251	Water Supply	\$2,000,000	\$500,000	\$1,000,000	\$0	CIP funds	\$0	Yes
67	Recycled Water Feasibility Study	253	Water Supply	\$150,000	\$125,000	\$112,500	\$37,500	CIP funds	\$0	Yes
68	Short Term Arsenic Treatment Program	254	Water Supply	\$300,000	\$200,000	\$225,000	\$75,000	No match, Local and In-kind will be provided for training and operations	\$0	Yes





## Appendix C: Public Outreach and Communications Plan

This appendix contains the Public Outreach and Communications Plan that was created for the Coachella Valley Integrated Regional Water Management Program.



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# Public Outreach and Communications Plan

## Coachella Valley Integrated Regional Water Management Program

**Prepared for:** Coachella Valley Regional Water Management Group  
Coachella Valley Planning Group

**Prepared by:** Alison Hill and Rosalyn Stewart (RMC)  
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**Reviewed by:** Tom West (RMC)

**Date:** Updated October 19, 2010

**Reference:** 0264-001.00

## 1 Introduction

The Coachella Water Authority (CWA), Coachella Valley Water District (CVWD), Desert Water Agency (DWA), Indio Water Authority (IWA), and Mission Springs Water District (MSWD) – collectively referred to as the Coachella Valley Regional Water Management Group (CVRWMG) – have undertaken an Integrated Regional Water Management (IRWM) program consistent with guidelines established by the California Department of Water Resources (DWR). The IRWM planning process is intended “to coordinate and share information concerning water supply planning programs and projects, and to improve and maintain overall communication among the partners involved” (from Section 3.1.1 of September 2008 MOU). This effort will address the Coachella Valley IRWM Region boundaries identified through DWR’s Region Acceptance Process.

The CVRWMG is currently initiating a stakeholder outreach process to help support development and adoption of an IRWM Plan. The IRWM Plan will provide a mechanism for:

- 1) Coordinating, refining, and integrating existing water resources planning efforts within a comprehensive, regional context;
- 2) Identifying specific regional priorities for implementation projects; and
- 3) Generating funding support for the plans, programs, projects, and priorities of existing agencies and stakeholders.

In addition to supporting the integrated management of water resources in the region, the IRWM Plan will meet the minimum guidelines established by DWR and qualify the Coachella Valley IRWM Region to receive grant funding through Propositions 84, 1E, and other sources.

Building understanding and support for the IRWM program and grant application processes among key stakeholders, as well as the general public, is critical to the success of the ongoing program. A proactive approach to implementing public outreach and information dissemination will assist the CVRWMG in generating broad-based support for the effort. This document identifies a variety of outreach mechanisms that will improve general awareness of the Coachella Valley IRWM program and provide means for all interested parties to stay engaged during the planning process and plan implementation.

This Public Outreach and Communications Plan is organized into the following components:

- Stakeholder Coordination and Public Involvement
- Disadvantaged Communities (DAC) Outreach
- Tribal Outreach and Coordination

This Plan will be updated as needed throughout the IRWM planning process as stakeholder outreach and communication methods are refined.

## 2 Stakeholder Coordination and Public Involvement

### 2.1 Purpose

The goal of the stakeholder coordination effort is to provide a means for the region's various entities with interests and/or authority over water management in the region to maintain an active level of involvement in the IRWM program and implementation of the IRWM Plan. These entities have a vested interest in local water resources and can assist in articulating the needs of the Region during the planning phase, as well as implementing projects during implementation phases. These are also the entities with the greatest potential to oppose the IRWM planning effort if not engaged. Opposition to the IRWM Plan by entities with water management authority could present a significant obstacle to IRWM Plan implementation if these groups are not given ample opportunity to participate and engage in the planning effort.

The goal of public involvement is to increase awareness, understanding, and support for the Coachella Valley IRWM planning effort among the general public. The benefits of keeping the general public informed of the IRWM program and subsequent IRWM Plan implementation include educating constituents and politicians about the importance and interrelation of water management strategies, increasing regional as well as local support for projects, and generating broad-based support for continued regional coordination.

### 2.2 Participants

All interested stakeholders and members of the general public are invited to maintain coordination with the CVRWMG and the subsequent long-term institutional structure.

Individuals representing the following groups have been identified as potential stakeholders:

- State, county and municipal governments
- Community councils
- Environmental conservation and natural resources organizations
- Resource agencies and special interest groups
- Flood control districts
- Farm Bureau and agricultural interests
- Academic institutions
- Regional planning organization
- Stormwater management agencies
- Wastewater and water agencies
- School districts
- Private pumpers and large landscape irrigators
- Disadvantaged and environmental justice communities
- Elected officials
- Tribes
- Recreational interests
- Regulatory agencies
- Building Industry Association

Interested members of the general public may include:

- Private homeowners
- Landscape architects and contractors
- Chambers of commerce
- Commercial, industrial, and residential developers
- Home owners associations
- Garden clubs and organizations
- Rotary clubs and other service clubs

Table 4 (at the end of this Plan) lists of all Coachella Valley IRWM region stakeholders. All stakeholders identified by the CVRWMG and Planning Partners (discussed below) have been contacted and invited to participate in the program.

## 2.2.1 Planning Partners

One of the first steps in soliciting public involvement was to establish a list of key stakeholders that can serve in an advisory capacity. This advisory group, otherwise referred to as the Planning Partners, were established early in the IRWM planning process to help the CVRWMG identify the preliminary list of critical water resources issues that should be the focus of early stakeholder meetings. The Planning Partners consist of CVRWMG partners and other stakeholders in the region, including the County of Riverside, Coachella Valley cities, special districts, public agencies, non-governmental organizations, and tribes.

The Planning Partners played a valuable role in shaping key elements of the IRWM Plan, such as helping to establish goals and objectives, developing prioritization criteria for projects, reviewing and weighing in on draft IRWM Plan chapters, and implementing Plan activities. An advisory group's membership may be changed from time to time by the CVRWMG, as appropriate for ongoing management of the IRWM program. The goal of the Planning Partners is balanced membership and participation from representatives of all significant water resource issue areas in the Valley. **Table 1** below provides a current list of the Planning Partners; however, additional Partners may be added as the IRWM program evolves.

The Planning Partners are expected to meet on a quarterly basis to provide recommendations on IRWM planning and funding application activities. At a minimum, meetings would be held during key program milestones, including project solicitation and prioritization and development of the IRWM Plan Update. Meetings may be held at variable times of day as needed and in different geographic locations within the Region. As appropriate, meetings would be located in disadvantaged areas to facilitate attendance by members of the local public.

The Planning Partners are the primary advisory group for development of the IRWM Plan. They are involved with all facets of Plan development and implementation. They comprise many of the project submissions and are therefore essential to implementation of the Plan. Planning Partners also provide support for public outreach efforts. The public who may wish to participate in the IRWM planning process may contact their city and district representatives of the Planning Partners, and may interact with any member of the Planning Partners that they wish.

**Table 1. Coachella Valley Planning Partners**

<b>No.</b>	<b>Agency / Organization</b>
<b>CVRWMG</b>	
<b>1</b>	City of Coachella / Coachella Water Authority
<b>2</b>	City of Indio / Indio Water Authority
<b>3</b>	Coachella Valley Water District
<b>4</b>	Desert Water Agency
<b>5</b>	Mission Springs Water District
<b>Planning Partners</b>	
<b>1</b>	Agua-Caliente Band of Cahuilla Indians
<b>2</b>	Augustine Band of Cahuilla Indians
<b>3</b>	Cabazon Band of Mission Indians
<b>4</b>	California Rural Legal Assistance Foundation
<b>5</b>	City of Cathedral City
<b>6</b>	City of Desert Hot Springs
<b>7</b>	City of Indian Wells
<b>8</b>	City of La Quinta
<b>9</b>	City of Palm Desert
<b>10</b>	City of Palm Springs
<b>11</b>	City of Rancho Mirage
<b>12</b>	Coachella Valley Association of Governments
<b>13</b>	Coachella Valley Economic Partnership
<b>14</b>	Colorado River Regional Water Quality Control Board
<b>15</b>	County of Riverside
<b>16</b>	Desert Alliance for Community Empowerment
<b>17</b>	Friends of the Desert Mountains
<b>18</b>	Morongongo Band of Mission Indians
<b>19</b>	Myoma Dunes Mutual Water Company
<b>20</b>	Poder Popular
<b>21</b>	Representative from Assemblymember Perez
<b>22</b>	Representative from Supervisor Ashley
<b>23</b>	Representative from Supervisor Benoit
<b>24</b>	Riverside County Flood Control and Water Conservation District
<b>25</b>	Salton Community Services District
<b>26</b>	Torres-Martinez Desert Cahuilla Indians
<b>27</b>	Twenty-Nine Palms Band of Mission Indians
<b>28</b>	U.S. Bureau of Indian Affairs
<b>29</b>	Valley Sanitary District

## 2.2.2 Issues Groups

One of the roles of the Planning Partners and the CVRWMG is to identify issues that will require specific stakeholders groups, called Issues Groups, to properly address. To date, two Issues Groups have formed: Disadvantaged Communities (DAC) and Native American Tribes. Participation in Issues Groups is open

to any stakeholder who consistently participates, and the Issues Groups may select their co-chairs or defer to the consulting team for leadership.

### DAC Issues Group

DAC needs and issues were identified as special and different than other groups at the initiation of planning efforts. The DAC Issues Group and meetings began in May 2010. **Table 2** indicates the principal participants who are represented in meetings.

**Table 2: DAC Issues Group Participants**

Name	Organization
Anna Lisa Vargas	Poder Popular
Betty Leehan	Desert Edge Community Council
Cindy Nance	Desert Edge Community Council
Debbie Davis	Environmental Justice Coalition for Water
Ed Houser	Desert Edge Community Council
Elanor Dullen	Desert Edge Community Council
Jeff Hays	Desert Alliance for Community Empowerment
Jennifer Clary	Clean Water Action
Jennifer Hernandez	California Rural Legal Assistance Foundation
Jose Huerta	Poder Popular
Laurel Firestone	Community Water Center
Martha Guzman Aceves	California Rural Legal Assistance Foundation
Megan Beaman Carlson	California Rural Legal Assistance Foundation
Miriam Torres	Environmental Justice Coalition for Water
Rita Sonnenberg	Desert Edge Community Council
Sergio Carranza	Pueblo Unido CDC
Yvonna Cazares	Environmental Justice Coalition for Water

### Native American Tribes Issues Group

The Native American Tribes Issues Group has been active and brings specific issues of cultural water use and special needs related to sovereign tribes in the region. Tribal principals, as well as representatives the U.S. Bureau of Indian Affairs, were included. **Table 3** indicates the principal participants who are represented in meetings. Tribal representatives are also included as Planning Partners for the development of the Plan. Separate Tribal group meetings will be held as needed to facilitate their participation and ensure their issues are appropriately reflected during Plan implementation.

**Table 3: Native American Tribes Issues Group Participants**

Contact Person	Division/Title	Organization
Richard M. Milanovich	Chairman	Agua-Caliente Band of Cahuilla Indians
Mary Ann Green	Chairwoman	Augustine Band of Mission Indians
John James	Chairman	Cabazon Band of Mission Indians
Robert Martin	Chairman	Morongo Band of Mission Indians
Mary L. Resvaloso	Chairperson	Torres-Martinez Desert Cahuilla Indians
Dean Mike	Chairman	Twenty-Nine Palms Band of Mission Indians
Kim Schneider	Palm Springs Agency	Bureau of Indian Affairs
Robert Eben	Superintendent Southern California Agency	Bureau of Indian Affairs
Dale Morris	Pacific Region, Regional Director	Bureau of Indian Affairs



## 2.3 Outreach Activities

CVRWMG believes that public access is critical to the success of the IRWM process. The CVRWMG will take a strategic approach to public outreach using the following tactics:

- A. Develop an initial public outreach plan that can be executed by any combination of agency staff or consultants.
- B. Determine best management practices for the dissemination of information for public review and for public input (e.g. print media, agency public information personnel, email and website).
- C. Make suggestions for establishing public meetings or reformatting of current meeting schedules to allow for public participation.
- D. Refine the timeline for the IRWM process in such a way that appropriate dates for notification of public meetings, workshops, sub-committee meeting, etc. can be documented and addressed in a logical and orderly manner.
- E. Apprise the members at each meeting, and sooner if necessary, as to the issues and needs for supporting public outreach.

The public is notified of meetings and given specific contact information, and participants are given sufficient time to prepare. The first opportunity for the public to attend IRWM program meetings was concurrent with the RAP application in October 2009; the second opportunity was during the IRWM Plan development process in June 2010; the third was for public comment on the Draft IRWM Plan in November 2010. The CVRWMG expects that as the process evolves, the process of soliciting the input, help and support of the public will also evolve.

Workshops are the core of stakeholder and public participation. Initial stakeholder workshops were aimed at formulation of interest groups for more specific development of concepts and funding proposals. The public workshops and Issues Groups are organized to help guide the actions and policies of the CVRWMG and support continuous development of the proposed IRWM Plan. The CVRWMG recognizes the need and importance of public participation and will work diligently to make sure that not only the public is listened to, but that it's valuable advice helps create the best IRWM process possible for the region.

### 2.3.1 Public Workshops

Public Workshops have, and will continue to be, conducted to enable stakeholders and the general public to help guide the actions and policies of the CVRWMG, as well as support the development of the proposed IRWM Plan. An initial goal of the Public Workshops was to break out into Issues Groups for more specific identification and confirmation of the critical water resources issues in the Valley.

Workshop topics could include water cost management, groundwater, water quality, water conservation, habitat conservation, and flood control. Due to increased emphasis on stormwater/flood management at the State level, the CVRWMG will focus on engaging stormwater/flood management interests in the IRWM planning process to support enhancement of the flood control component of the IRWM Plan.

Public Workshops may be held at variable times of day as needed and in different geographic locations within the Region. As appropriate, meetings will be located in disadvantaged areas to facilitate attendance by members of the local public.

Workshop preparation will include public meeting notices and invitations, development and distribution of Issues Group presentations, meeting handouts and minutes, distribution of comment/feedback questionnaires, and compilation and summarization of public responses obtained during the workshops.



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### Website

A Coachella Valley IRWM website (<http://www.cvrwmg.org/>) was developed as a key component of the regional outreach program. The website contains a wealth of information about the IRWM program, including: explanation of the IRWM program and funding opportunities; issues identification, goals and objectives, and other planning materials; the adopted IRWM Plan (once final); information about potential IRWM projects to be included in Proposition 84 and 1E grant applications; information about the CVRWMG; CVAC and Issues Group meeting agendas, summaries, and presentations; and other helpful links. The website will continue to be added to and amended as the IRWM program continues.

### Newsletters

Information regarding upcoming meetings may be relayed to the general public via fliers posted at community facilities, city and county office buildings, and announcements published in local newspapers and organizational newsletters. An electronic newsletter may be produced quarterly and at major milestones of the IRWM program, as needed to ensure stakeholders are being engaged.

### Press Releases

Local newspapers will be encouraged to provide coverage of meetings or to provide updates on the progress of IRWM planning efforts. Media relations provide a credible and economic approach to achieving widespread dissemination of key project information. Studies show that information presented to the public through a third party, such as the media, is more readily believed by the public, as opposed to advertising or other methods of information coming directly from the source. Primary press outreach will be associated with kickoff and early awareness efforts early in the project. Press releases may be released quarterly and at major milestones of the IRWM program, including an open Call for Projects and IRWM Plan approval, but may be issued at other important junctures.

### On-Line Project Database

To facilitate communications among planners and project proponents, the CVRWMG has commissioned an on-line project database aimed at providing universal access to information about IRWM projects in the Coachella Valley region. The project database allows project proponents and other interested parties to add, edit, and review project proposals throughout the region. This tool, coupled with the Public Workshops, is intended to connect stakeholders with one another to identify and enhance synergies among projects, hopefully leading to better integration and stronger partnerships. The on-line project database will also enhance CVRWMG efforts to inform the general public about “what is IRWM” through concrete project examples.

### Correspondence

An electronic distribution list of stakeholders and interested parties, and any special subgroups, will be developed and maintained. E-mail notices, the primary method of communication, will be sent to announce the availability of new materials on the Coachella Valley IRWM website, meeting minutes, and upcoming meetings.

## **3 Disadvantaged Communities Outreach**

### **3.1 Purpose**

The goal of disadvantaged communities (DAC) outreach is to identify and obtain input from groups that may be otherwise restricted from participating in the IRWM planning and implementation efforts due to financial constraints. Through targeted outreach, the CVRWMG seeks to learn more about the major water-related concerns facing these groups such that long-term implementation of the IRWM Plan is responsive to those needs.

## 3.2 Participants

Numerous local and State-wide DAC and environmental justice organizations were targeted during outreach for the Coachella Valley IRWM program:

- A. California Rural Legal Assistance Inc. / Foundation (CRLA)
- B. Clean Water Action
- C. Community Water Center
- D. Desert Alliance for Community Empowerment
- E. Desert Edge Community Council
- F. Environmental Justice Coalition for Water (EJCW)
- G. Pueblo Unido CDC
- H. Poder Popular
- I. Inland Congregation United for Change (ICUC)

Environmental justice (EJ) is defined by the USEPA as “the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws.” Outreach to organizations also involved with EJ issues ensures that water management activities implemented under the Coachella Valley IRWM program do not unduly burden DACs (e.g., through plant siting decisions).

Communities targeted as part of the DAC and EJ outreach are groups that have historically been disproportionately impacted with respect to the development, implementation, or enforcement of environmental laws, regulations, and policies due to race, culture, or income. The CVRWGMG will work to tailor a more regionally-specific definition of a DAC and identify representatives of those communities. Table 2 above provides a list of participants in the DAC Issues Group.

## 3.3 Outreach Activities

### DAC/EJ Outreach Meetings

The CVRWGMG will host up to six (6) meetings with DAC/EJ members to better understand their critical water supply and water quality needs and to identify potential solutions. Initial meetings will focus on bringing any groups that were not involved in the earlier efforts up to speed and informing all groups about recent activities and opportunities. Subsequent meetings will expand the methods of outreach in DAC/EJ communities, update those groups which may not be able to attend or participate in broader CVAC meetings, and develop IRWM planning efforts to meet the needs of each community.

Meetings will be held at times convenient for DAC/EJ representatives (recognizing that this may include evenings and/or weekends) and in different geographic locations within the Region.

Meeting preparation will include public meeting notices and invitations, development and distribution of presentations, meeting handouts and minutes, and coordination of speakers/presenters.

### Notices and Newsletters

CVRWGMG staff will work with community leaders to identify appropriate methods for notifying members of DAC/EJ communities of the current state of the Valley’s water-related resources, the IRWM program, and solutions being generated to address their needs. These methods may include techniques such as notices at community gathering sites, multi-lingual newsletters, mailings, phone surveys, door-to-door surveys, or public meetings within the communities. The focus of these efforts will be to identify the critical needs of the targeted communities. Once identified, these critical needs will be translated into long-term targets for the IRWM Plan. In addition, one-on-one communication between representatives from DACs and the CVRWGMG will be used to encourage participation in IRWM public meetings.

### **CVRWMG Coordination**

One or more CVRWMG partner(s) will be identified as the liaison with DAC/EJ organizations, so it is clear how coordination and communication will occur. Additionally, if the CVRWMG and Planning Group determine that a permanent advisory group is appropriate and desired, at least one DAC/EJ representative should be designated to serve on the advisory group.

### **DAC Outreach Demonstration Project**

The CVRWMG has identified the opportunity for more comprehensive efforts relating to DAC outreach and has submitted a DAC Outreach Demonstration Project proposal to DWR for potential funding. If funding is approved, the following additional goals will be achieved as part of the DAC Outreach effort:

- Development of a DAC Community Planning Group to represent one of the Issues Groups;
- At least five (5) DAC Workshops addressing specific community needs;
- Coordination with Community Leaders;
- Flood Control Mapping in DAC Areas;
- Preparation of a DAC IRWM Plan Element;
- DAC Outreach Demonstration Project White Paper.

### **Correspondence**

DAC or EJ communities will have direct connection with a CVRWMG liaison and possibly an advisory group representative. Communication will be conducted mainly via telephone and email; however, office visits may be arranged as feasible. Through one-on-one communication, the CVRWMG will encourage participation by DAC representatives in IRWM public meetings.

## **4 Tribal Outreach and Coordination**

### **4.1 Purpose**

The goal of engaging the Valley's tribal governments is to better understand their critical water resources issues and needs. Through targeted outreach, the CVRWMG seeks to learn more about the major water-related concerns facing the tribes such that long-term implementation of the IRWM Plan is responsive to those needs.

### **4.2 Participants**

Tribal participants were contacted based on input from currently identified tribal representatives and the Planning Partners. The following six Native American tribes in the region were targeted during outreach for the IRWM program:

- Agua Caliente Band of Cahuilla Indians
- Augustine Band of Mission Indians
- Cabazon Band of Mission Indians
- Morongo Band of Mission Indians
- Torres-Martinez Desert Cahuilla Indians
- Twenty-Nine Palms Band of Mission Indians

Additionally, meetings may include the Bureau of Indian Affairs or other tribal coordinating agencies or groups as appropriate.

## **4.3 Outreach Activities**

### **Tribal Outreach Meetings**

The CVRWGM will host up to six (6) meetings with tribal representatives to better understand their critical water supply and water quality needs and to identify potential solutions. Tribal outreach meetings, however, will be based on the interest and availability of the tribal representatives. Tribal outreach meetings will inform the tribes about the IRWM program and its purpose, the local IRWM planning process, and upcoming funding opportunities. They will focus on clarifying the tribe's water resources issues and needs, and identifying integrated project concepts that address those needs. In addition, tribal outreach meetings will carefully review the different coordination and governance issues needed for Sovereigns in the Coachella Valley IRWM region.

Tribal outreach meetings will be coordinated with the DAC outreach meetings, as appropriate for the issues being discussed. Individual meetings with tribal leaders and staff will also be held, if needed.

Meetings will be held at times convenient for tribal representatives (recognizing that this may include evenings and weekends) and in different geographic locations within the Region.

Meeting preparation will include public meeting notices and invitations, development and distribution of presentations, meeting handouts and minutes, and coordination of speakers/presenters.

### **Notices and Newsletters**

CVRWGM staff will work with community leaders to identify appropriate methods for notifying members of the tribes of the current state of the IRWM program and timing of project submittals. These methods may include techniques such as notices at community gathering sites, newsletters, or mailings. The focus of these efforts will be to identify the tribes' critical water resources needs and how those are represented in the IRWM Plan. In addition, one-on-one communication between tribal representatives and the CVRWGM will be used to encourage participation in IRWM public meetings.

### **CVRWGM Coordination**

One or more CVRWGM partner(s) will be identified as the liaison with tribal governments, so it is clear how coordination and communication will occur. Additionally, if the CVRWGM and Planning Group determine that a permanent advisory group is appropriate and desired, at least one tribal representative should be designated to serve on the advisory group.

### **Correspondence**

Tribal members will have direct connection with a CVRWGM liaison and possibly an advisory group representative. Communication will be conducted mainly via telephone and email; however, office visits may be arranged as feasible. Through one-on-one communication, the CVRWGM will encourage participation by tribal representatives in IRWM public meetings.

Table 4: Coachella Valley IRWM Stakeholder List

Agency	Contacted	Stakeholder List	Planning Partner
<b>Cities</b>			
City of Cathedral City	✓	✓	✓
City of Coachella	✓	✓	✓
City of Desert Hot Springs	✓	✓	✓
City of Indian Wells	✓	✓	✓
City of Indio	✓	✓	✓
City of La Quinta	✓	✓	✓
City of Palm Desert	✓	✓	✓
City of Palm Springs	✓	✓	✓
<b>County of Riverside</b>			
Riverside County Transportation and Land Management Agency	✓	✓	
Riverside County Department of Health	✓	✓	
Riverside County Regional Park District	✓	✓	
Riverside County Economic Development Agency	✓	✓	
Riverside County Flood Control and Water Conservation District	✓	✓	✓
Supervisor Benoit's office	✓	✓	
Supervisor Ashley's office	✓	✓	
<b>Community Councils</b>	✓		
Bermuda Dunes Community Council	✓	✓	
Desert Edge Community Council	✓	✓	✓
Desert Palms Community Council	✓	✓	
Indio Hills Community Council	✓	✓	
Mecca Community Council	✓	✓	
North Shore Community Council	✓	✓	
Oasis Community Council	✓	✓	
Sky Valley Community Council	✓	✓	
Thermal Community Council	✓	✓	
Thousand Palms Community Council	✓	✓	
Vista Santa Rosa Community Council	✓	✓	
<b>Elected Officials</b>	✓		
Congresswoman Mary Bono Mack	✓		
Senator John Benoit	✓		
Senator Denise Moreno Ducheny	✓		
Assemblyman Brian Nestande (64th Dist.)	✓		
Assemblyman Manuel Perez (80th Dist.)	✓		✓
<b>Resource Agencies</b>	✓		
California Department of Fish and Game	✓	✓	
California Department of Water Resources	✓	✓	✓
Colorado River Regional Water Quality Control Board	✓	✓	✓
U.S. Bureau of Indian Affairs	✓	✓	✓
U.S. Bureau of Land Management	✓	✓	
<b>Special Interests</b>	✓		
Big Morongo Preserve	✓		
Bighorn Research Institute	✓	✓	
Building Industry Association	✓	✓	
Center for Natural Land Management (fringed toed lizard preserve)	✓	✓	
Coachella Valley Archaeological Society	✓	✓	

Table 4: Coachella Valley IRWM Stakeholder List

Agency	Contacted	Stakeholder List	Planning Partner
Coachella Valley Association of Governments	✓	✓	
Coachella Valley Conservation Commission	✓	✓	
Coachella Valley Mosquito and Vector Control	✓	✓	
Coachella Valley Mountains Conservancy	✓	✓	
Coachella Valley Parks and Recreation District	✓	✓	
Coachella Valley Resource Conservation District	✓	✓	
Deep Canyon Desert Research	✓	✓	
Desert Alliance for Community Empowerment	✓	✓	✓
Friends of the Desert Mountains	✓	✓	✓
Groundwater Guardians	✓	✓	
Hi-Lo Golf Course Superintendents Association	✓	✓	
League of Women Voters	✓	✓	
Sierra Club	✓	✓	
Wildlands Conservancy	✓	✓	
<b>Tribes</b>			
Agua-Caliente Band of Cahuilla Indians	✓	✓	✓
Augustine Band of Mission Indians	✓	✓	✓
Cabazon Band of Mission Indians	✓	✓	✓
Morongito Band of Mission Indians	✓	✓	✓
Torres-Martinez Desert Cahuilla Indians	✓	✓	✓
Twenty-Nine Palms Band of Mission Indians	✓	✓	✓
Inter-tribal Council	✓	✓	
<b>School Districts</b>			
Coachella Valley Unified School District	✓	✓	
Desert Sands Unified School District	✓	✓	
Palm Springs Unified School District	✓	✓	
<b>Other Water/Wastewater Companies</b>			
Myoma Dunes Mutual Water Company	✓	✓	
Valley Sanitary District	✓	✓	
<b>Private Pumpers and Large Irrigators</b>			
Agricultural pumpers	✓	✓	
Home Owners' Associations	✓	✓	
Golf courses	✓	✓	
Cocopah Nursery	✓		✓
<b>Disadvantaged Community Organizations</b>			
California Rural Legal Assistance Foundation	✓		✓
Environmental Justice Coalition for Water	✓		✓
Poder Popular	✓		✓
Pueblo Unido CDC	✓		✓
Rural Community Assistance Corporation	✓		✓



## Appendix D: Coachella Valley IRWM Plan Project Performance Measures

This appendix contains information regarding performance measures that will be used to measure implementation performance for each identified project. These performance measures are intended to serve as measurable benchmarks for establishing success of projects following implementation.



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**Appendix D**  
**Coachella Valley IRWM Plan**  
**Project Performance Measures**

#	Project Title	ID	Functional Area	Performance Measures
1	DMMs for CVRWMG Partners	223	Conservation	Performance measures will be completed as part of the final IRWM Plan
2	Desert Hot Springs Community Gardens	225	Conservation	
3	Resource Action Programs	224	Conservation	
4	Smart Water Conservation Programs	219	Conservation	
5	Achieve 14 percent reduction in Agricultural Water Use	197	Conservation	
6	Ramon Road Corridor - Improve Flood Protection	238	Flood Control	
7	Implementation of Projects in Garnet Wash and Tributaries Master Plan	194	Flood Control	
8	East Cathedral Canyon Channel Levee Restoration	202	Flood Control	
9	Verbena Channel	203	Flood Control	
10	Stormwater Master Plan	252	Flood Control	
11	Whitewater River Levee Restoration	206	Flood Control	
12	Flood Control and Recycling of Storm, Non Storm Run Off Water - Desert Cove Golf Course	237	Flood Control	
13	Implementation of Projects in East Wide Channel, Long Canyon and Tributaries Master Plan	195	Flood Control	
14	Groundwater Quality Protection and Floodplain Management - Eagle Canyon Dam and Lines 43 and 41	231	Flood Control	
15	Implementation of projects for Cathedral City Master Plan	196	Flood Control	
16	Implementation of projects in the Palm Springs area Master Drainage Plan	200	Flood Control	
17	Implement projects in the Desert Hot Springs Area Master Drainage Plan	201	Flood Control	
18	Tahquitz Creek Levee Reconstruction	209	Flood Control	
19	Master Drainage Plan Implementation - Ramon Road Corridor	234	Flood Control	
20	Palm Springs MDP line 41	204	Flood Control	
21	Eagle Canyon Dam	205	Flood Control	
22	Desert Cahuilla Wetlands Expansion	228	Natural Resources	
23	Construct Wetland, Riparian, and Pupfish Habitat for CVMSHCP and NCCP	208	Natural Resources	
24	Perris Dam Remediation Program	215	Other	
25	Cathedral City North City Specific Plan - East Sub-Region	241	Other	
26	Water, Sewer and Drainage - North City Specific Plan	232	Other	
27	Desert Edge Geothermal Water Conservation and Preservation	244	Wastewater	
28	Little Tuscany Sewer Improvements	211	Wastewater	
29	Water Recycling Efficiency and Capacity Improvement Project	187	Wastewater	

30	IWA Recycled Water Program	226	Wastewater
31	Groundwater Quality Protection Perez Road Sewers	229	Wastewater
32	Groundwater Quality Protection - West Cathedral City Septic Tank Replacement	235	Wastewater
33	Pierce Community Infrastructure - Sewer Sanitary Collection System (North)	249	Wastewater
34	Groundwater Quality Protection South City Improvement District (SCID)	230	Wastewater
35	Groundwater Quality Protection Project	189	Wastewater
36	Short Term Arsenic Treatment Program	254	Water Quality
37	Implementation of Total Maximum Daily Load Best Management Practices	212	Water Quality
38	Pierce Community Infrastructure – Water Extension Supply (South Section)	247	Water Quality
39	Evaluate Stormwater Recharge Opportunities within the Desert Hot Springs MDP	213	Water Quality
40	Harrison Street (Sunbird and surrounding cluster)	248	Water Quality
41	Palm Springs Line 43 and 43a	242	Water Quality
42	Whitewater River Region and Coachella Valley Stormwater Channel Site Specific Objective Evaluation	210	Water Quality
43	Palm Springs Unified School District - Storm Drain Outflow Transport Contamination	239	Water Quality
44	Bridge Drainage System Design for 3 Whitewater River Bridges	233	Water Quality
45	Identification of Septic Wastewater Plumes in the MSWD Service Area	220	Water Quality
46	Master Drainage Plan Implementation - Cathedral City South	236	Water Quality
47	Groundwater Protection- Cathedral City Cove Drainage System 4	240	Water Quality
48	College Of the Desert MTC Infrastructure	221	Water Quality
49	Posse Park Surface Water Treatment Plant	191	Water Supply
50	Fargo Canyon Spreading Facility	216	Water Supply
51	BDCP and DHCCP	214	Water Supply
52	Coachella Valley Salt and Nutrient Management Plan	243	Water Supply
53	Recycled Water Feasibility Study	253	Water Supply
54	Eastern Coachella Valley Water Supply Project	207	Water Supply
55	Pierce Community Infrastructure - Regional Water Treatment Facility (North)	245	Water Supply
56	St. Anthony of the Desert - Water Treatment Facility	246	Water Supply
57	Belardo Road Pipeline Replacement	188	Water Supply
58	1400 Zone Facilities	218	Water Supply
59	Surface Water Treatment Study	251	Water Supply
60	Mid Valley Pipeline Phase II	182	Water Supply
61	Coachella Valley Groundwater Model	227	Water Supply
62	South Mecca Plan	250	Water Supply
63	Treated Agricultural Drain Water for agricultural irrigation	198	Water Supply

<b>64</b>	<b>Siting studies, EIR and design of Colorado River Water Treatment Facility for municipal use</b>	<b>199</b>	<b>Water Supply</b>
<b>65</b>	<b>Mission Creek/ Garnet Hill Subbasins Monitoring Program</b>	<b>222</b>	<b>Water Supply</b>
<b>66</b>	<b>Well Pumping Plants 44 and 45 of the Palm Springs Main Well Field</b>	<b>190</b>	<b>Water Supply</b>
<b>67</b>	<b>Information Systems--a Regional Project of CVRWMG</b>	<b>193</b>	<b>Water Supply</b>
<b>68</b>	<b>Groundwater Elevation Monitoring--Regional project of CVRWMG</b>	<b>192</b>	<b>Water Supply</b>



## Appendix E: Memorandum of Understanding

This appendix contains the Memorandum of Understanding that was signed by the five CVRWMG members in September 2008 for the purpose of coordinating water resources planning activities and developing and adopting an IRWM Plan.



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**MEMORANDUM OF UNDERSTANDING**  
**among**  
**CITY OF COACHELLA/COACHELLA WATER AUTHORITY, COACHELLA**  
**VALLEY WATER DISTRICT, DESERT WATER AGENCY, CITY OF**  
**INDIO/INDIO WATER AUTHORITY, AND MISSION SPRINGS WATER**  
**DISTRICT**  
**for**  
**DEVELOPMENT OF AN INTEGRATED**  
**REGIONAL WATER MANAGEMENT PLAN**

This Memorandum of Understanding (MOU) dated Sept. 9, 2008 is entered into among the City of Coachella/Coachella Water Authority, Coachella Valley Water District, Desert Water Agency, City of Indio/Indio Water Authority, and Mission Springs Water District (collectively known as Partners) for the purpose of coordinating water resources planning activities undertaken by the water agencies.

**WHEREAS**, each Partner has adopted a Resolution of commitment pledging to create an Integrated Regional Water Management Plan (IRWMP).

**WHEREAS**, it is in the interests of the signatory Partners and the region served by the Partners that these water resources are responsibly managed and conserved to the extent feasible; and

**WHEREAS**, the Partners wish to coordinate their long term water supply planning efforts in accordance with Section 10531 of the *Integrated Regional Water Management Planning Act of 2002* and Division 43 of the *Safe Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006* (Acts); and

**WHEREAS**, the Partners anticipate the potential need for future agreements on specific projects or programs and with other affected agencies to further coordinate long term water supply planning.

**NOW, THEREFORE**, it is mutually understood and agreed as follows:

**SECTION 1:**  
**AUTHORITY OF PARTNERS**

- 1.1 The Coachella Water Authority is a joint powers authority formed as a component of the City of Coachella and Redevelopment Agency of the City of Coachella and has statutory authority over water supply.
- 1.2 The Coachella Valley Water District is a public agency of the State of California organized and operating under County Water District Law, California Water Code section 30000, et seq, and Coachella District

**MEMORANDUM OF UNDERSTANDING**  
August 10, 2008

Merger Law, Water Code section 33100, et seq. Coachella Valley Water District is a State Water Project Contractor and Colorado River Contractor empowered to import water supplies to its service area, and has statutory authority over water supply.

- 1.3 The Desert Water Agency is an independent special district created by a special act of the state legislature contained in chapter 100 of the appendix of the California Water Code. Desert Water Agency is also a State Water Project Contractor empowered to import water supplies to its service area, replenish local groundwater supplies, and collect assessments necessary to support a groundwater replenishment program as provided for in the Desert Water Agency Law and has statutory authority over water supply.
- 1.4 The Indio Water Authority is a joint powers authority formed as a component of the City of Indio and Redevelopment Agency of the City of Indio and has statutory authority over water supply.
- 1.5 Mission Springs Water District is a County Water District formed under Section 30000 et seq of the California Water Code and has statutory authority over water supply.

## **SECTION 2: DEFINITIONS**

The abbreviations and capitalized words and phrases used in this MOU shall have the following meanings:

- 2.1 Acts – mean Section 10531 of the Integrated Regional Water Management Planning Act of 2002 and California Water Code Division 43, known as the *Safe Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006*
- 2.2 Coachella Valley Region – the watershed bounded on the North by the San Bernardino Mountains, Little San Bernardino Mountains and Mecca Hills Area, on the East by Mortmar and Travertine Rock, on the South by the Santa Rosa Mountains and San Jacinto Mountains and on the West by Stubbe Canyon.
- 2.3 CVWD – Coachella Valley Water District
- 2.4 CVRWMG – Coachella Valley Regional Water Management Group
- 2.5 CWA – Coachella Water Authority
- 2.6 DWA – Desert Water Agency

## **MEMORANDUM OF UNDERSTANDING**



- 2.7 IRWMP – Integrated Regional Water Management Plan
- 2.8 IWA – Indio Water Authority
- 2.9 MSWD – Mission Springs Water District

**SECTION 3:  
PURPOSES AND GOALS OF THIS MOU**

**3.1 Purpose and Goals:**

3.1.1 This MOU is to memorialize the intent of the Partners to coordinate and share information concerning water supply planning programs and projects and other information, and to improve and maintain overall communication among the Partners involved. It is anticipated that coordination and information sharing among the Partners will assist the agencies in achieving their respective missions to the overall well-being of the region. Coordination and information sharing shall focus on issues of common interest in Section 3.2.

3.1.2 The execution of this MOU by the Partners shall constitute the formation of a Regional Water Management Group consisting of the Partners, in accordance with the Acts. The Regional Water Management Group shall be named the Coachella Valley Regional Water Management Group (CVRWVG).

3.1.3 It is the goal of the Partners to prepare and adopt an IRWMP for the Coachella Valley Region and to implement projects and programs individually or jointly in groups that address issues of common interest, as the group so identifies.

**3.2 Common Issues and Interest:**

3.2.1 Water supply programs and projects that may provide mutual benefits in improving water supply reliability and/or water quality.

3.2.2 Coordination of near-term and long-term water supply planning activities.

3.2.3 Development of regional approaches to problem-solving and issues resolution as well as to further common interest.

**3.3 Future Agreements By Partners: The Partners acknowledge that by virtue of commitments and intentions stated within this MOU, the need for**

certain other considerations that will facilitate the preparation of an IRWMP for the Coachella Valley Region will likely emerge. These include and are not limited to:

- 3.3.1 Developing a Scope of Work
- 3.3.2 Determining the cost sharing of projects
- 3.3.3 Establishing methods for project management
- 3.3.4 Establishing a project timeline

**SECTION 4:  
JOINT PLANNING FOR PROJECTS AND PROGRAMS**

- 4.1 **Projects and Programs Covered by this MOU:** it is the intent of the Partners that they coordinate and collaborate to address the common issues identified. The Partners may develop and implement projects and programs individually or jointly in groupings of two or more, or enter into additional agreements in furthering those goals. Applicable projects and programs include, but are not limited to the following:
  - 4.1.1 Water conservation programs and other demand management programs.
  - 4.1.2 Water recycling, desalination, groundwater basin management, and water quality improvement programs and projects.
  - 4.1.3 Water banking, conjunctive use and transfer arrangements.
  - 4.1.4 Storage development to improve system reliability, efficiencies, and flexibility.
  - 4.1.5 Project and program planning and development to solicit external funding.
  - 4.1.6 Other meritorious projects or programs consistent with the purposes of this MOU.
- 4.2 **Communication and Coordination:** It is the intent of the Partners to meet on a monthly basis in order to carry out the purposes and goals of this MOU. The frequency and location of meetings are subject to the discretion of the Partners and may be changed when appropriate.

**MEMORANDUM OF UNDERSTANDING**

**SECTION 5:  
GENERAL PROVISIONS GOVERNING MOU**

- 5.1 **Term:** The term of this MOU is indefinite. Any Partner may withdraw from the MOU by written notice given at least 45 days prior to the effective date.
- 5.2 **Construction of Terms:** This MOU is for the sole benefit of the Partners and shall not be construed as granting rights to any person other than the Partners or imposing obligations on a Partner to any person other than another Partner.
- 5.3 **Good Faith:** Each Partner shall use its best efforts and work wholeheartedly and in good faith for the expeditious completion of the objectives of this MOU and the satisfactory performance of its terms.
- 5.4 **Rights of the Partners and Constituencies:** This MOU does not contemplate the Partners taking any action that would:
- 5.4.1 Adversely affect the rights of any of the Partners; or
  - 5.4.2 Adversely affect the customers or constituencies of any of the Partners.
- 5.5 This document and participation in this IRWMP are nonbinding, and in no way suggest that a Partner may not continue its own planning and undertake efforts to secure project funding from any source.
- 5.6 It is expected that Partners will contribute the personnel and financial resources necessary to develop the IRWMP.

**IN WITNESS WHEREOF**, the parties have executed this Memorandum of Understanding as of the day and year indicated on the first page of this MOU.






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Tim Brown, City Manager  
City of Coachella:



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Tim Brown, Executive Director  
Coachella Water Authority:



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Steve Robbins, General Manager/Chief Engineer  
Coachella Valley Water District:



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Dave Luker, General Manager  
Desert Water Agency:



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Glenn Southard, City Manager  
City of Indio:



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Glenn Southard, Executive Director  
Indio Water Authority:



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Arden Wallum, General Manager  
Mission Springs Water District:

**MEMORANDUM OF UNDERSTANDING**

## Appendix F: Letters of Support

This appendix contains letters from the Planning Partners that indicate support of the Coachella Valley IRWM Plan.



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**Bill Luna**  
County Executive Officer

**Jay E. Orr**  
Assistant County Executive Officer

**Executive Office, County of Riverside**

October 26, 2010

Coachella Valley Regional Water Management Group  
C/O Patti Reyes, Coachella Valley Water District  
85-995 Avenue 52  
P.O. Box 1058  
Coachella, CA 92236

**RE: Support for Coachella Valley Integrated Regional Water Management Plan**

On behalf of the County of Riverside, I wish to express our strong support for the Coachella Valley Integrated Regional Water Management (IRWM) Plan. The five water purveyors in the Coachella Valley are working closely together with the County of Riverside, and other water agencies and organizations in this important planning process.

I have been involved with the development of the Coachella Valley IRWM Plan as a member of the Planning Partners advisory group that has met for the last six months. We have worked to identify water related issues, set regional goals and objectives, establish a project submittal and prioritization process, and provide recommendations on the projects and programs included in the Plan. Additionally, the Coachella Valley Regional Water Management Group has held public workshops to communicate and gain feedback from community representatives throughout the Coachella Valley.

This month, the Coachella Valley Regional Water Management Group will adopt the IRWM Plan. We support and encourage them to do so quickly in order to qualify for funding under Round 1 of the Proposition 84 IRWM Grant Program. Together, we are all working to plan and develop long- and short-term solutions to the Valley's critical water management needs.

The County of Riverside views this regional planning process as one of the primary methods we can use to improve conditions for our community. We are committed to working together to develop the water management projects and programs needed to address our regional goals and the quality of life for our communities.

Should you have any questions, please do not hesitate to contact me at 951.955.1110.

Sincerely,

*Michael R. Shetler*

Michael R. Shetler, REHS, MA  
Senior Management Analyst  
NPDES Stormwater Administrator  
Riverside County Executive Office

Robert T. Andersen Administrative Center  
4080 Lemon Street • 4<sup>th</sup> Floor • Riverside, California 92501 • (951) 955-1100 • Fax (951)  
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