Volume II - Appendices

Appendix A – Project Team and Public Outreach Documents

A.1 DWR Boundary Expansion Letter from Mojave IRWM Group
A.2 Memorandum of Understanding (MOU)
A.3 Technical Advisory Committee Distribution List
A.4 Project Team Charter
A.5 Stakeholder Meeting Summaries
A.6 Summaries of Public Workshops
A.7 Disadvantaged Community Outreach Materials
A.8 Native American Tribes Outreach
A.9 Topics for Engagement
A.10 Public Comments (List of Commenters) to the Draft IRWM Plan

Appendix B – Groundwater Basin Judgments

B.1 Mojave Judgment
B.2 Warren Valley Judgment

Appendix C – Technical Reports and Data

C.1 Demand Projections for High and Low Conservation Assumptions
C.2 Mojave Region Flood Infrastructure
C.3 Climate Change Vulnerability Checklist

Appendix D – Projects

D.1 Project Submittal and Instruction Forms
D.2 Project Lists
D.2a Project Summary
D.2b Project Submittals Screened Out
D.2c Ranked List of Projects
D.2d Summary Table of Projects by Priority
D.2e Table of Projects by Number and Title
D.3 Project List Updates
D.4 Detailed Project Descriptions

Appendix E – Potential Opportunities for Financial Assistance

Appendix F – Existing Monitoring Protocols

Appendix G – US Bureau of Reclamation Mojave River Watershed Climate Change Assessment

Appendix H - Cross-reference Table with DWR Required Elements

Appendix A

Project Team and Public Outreach Documents

Appendix A.1

DWR Boundary Expansion Letter from Mojave IRWM Group

Mojave IRWM Plan
Integrated Regional Water Management Plan

13846 Conference Center Drive
Apple Valley, CA 92307
760.946.7000 | comments@mywaterplan.com
www.mywaterplan.com

Mojave Water Agency | RESOURCE | TECHNICAL ADVISORY COMMITTEE TO THE MOJAVE WATER AGENCY | VVWRA | Morongo Basin Pipeline Commission

November 21, 2013

Tracie Billington
Financial Assistance Branch
California Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

Subject: Changes to Mojave Integrated Regional Water Management Group and Region Boundaries

Dear Ms. Billington:

In 2009, the Department of Water Resources (DWR) approved Mojave Water Agency (MWA) as the Regional Water Management Group (RWMG) for the Mojave Integrated Regional Water Management (IRWM) Region and approved the MWA service area as the Region boundary. Although the RWMG and Region boundary were "approved," the approval letter strongly suggested the Region boundary be expanded to include the upper watershed (Lake Arrowhead area), lower watershed (Afton Canyon), and that the RWMG make an effort to reach out to the Twentynine Palms area and coordinate with the Antelope Valley RWMG. Upon review of the upper watershed, it was observed that the community of Wrightwood, situated in the San Gabriel Mountains, was part of the upper watershed and not included in the DWR requested boundary expansion. The RWMG petitioned the Wrightwood community for interest in inclusion in the plan.

Pursuant to DWR's and RWMG's recommendation, the RWMG approved expanding the boundary of the Mojave Region to include the upper (Lake Arrowhead and Wrightwood areas) and lower (Afton Canyon) watershed areas and the Twentynine Palms area. The attached map shows the new Region boundary.

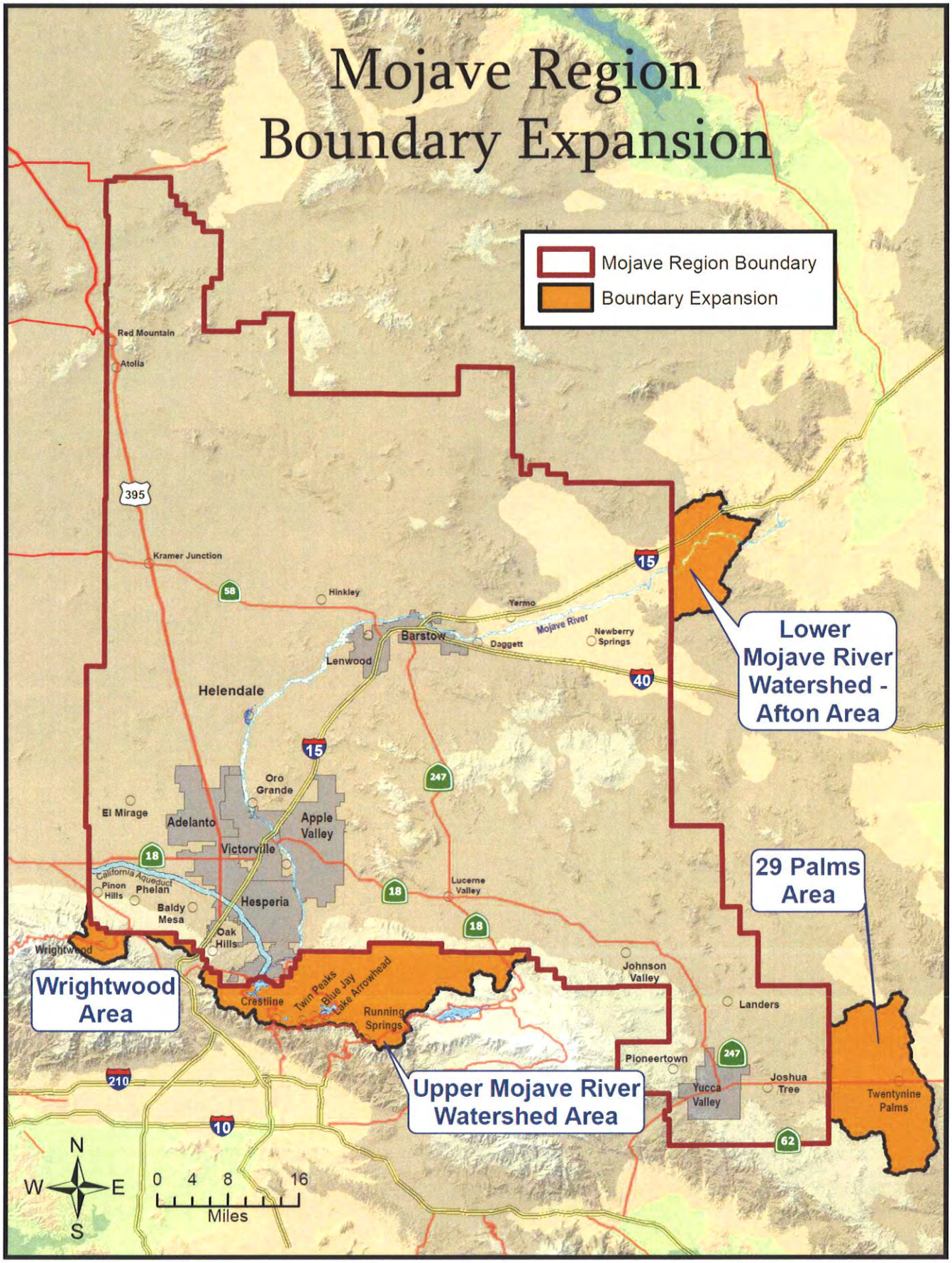
Additionally, in April 2013 four entities joined MWA as part of the RWMG via Memorandum of Understanding. Those agencies include the Mojave Desert Resource Conservation District, Morongo Basin Pipeline Commission, Technical Advisory Committee to the Mojave Water Agency, and Victor Valley Wastewater Reclamation Authority. This change was made to comport with CWC § 10539, which requires RWMGs to be comprised of at least three local agencies via written agreement.

The Mojave Region (IRWM) Plan is in the process of being updated to meet current requirements and is anticipated to be complete in June 2014.

Please contact me with any questions you may have at (760) 946-7015 or leckhart@mojavewater.org.

Sincerely,

Lance Eckhart
Principal Hydrogeologist
IRWM Plan Project Manager


Mojave Region Boundary Expansion
Mojave Region Boundary
Boundary Expansion
Red Mountain
Atolia
395
Kramer Junction
58
Hinkley
Yermo
Mojave River
Newberry Springs
Barstow
Daggett
Lenwood
15
40
Helendale
Lower Mojave River Watershed - Afton Area
15
247
Oro Grande
El Mirage
Adelanto
Apple Valley
Victorville
18
California Aqueduct
Pinon Hills
Phelan
Baldy Mesa
Hesperia
Oak Hills
Lucerne Valley
18
18
29 Palms Area
Wrightwood
Wrightwood Area
Johnson Valley
Crestline
Twin Peaks
Blue Jay
Lake Arrowhead
Running Springs
Landers
Pioneertown
247
Yucca Valley
Joshua Tree
Twentynine Palms
Upper Mojave River Watershed Area
210
10
62
N
W
E
S
0 4 8 16
Miles

Appendix A.2

Memorandum of Understanding (MOU)

MEMORANDUM OF UNDERSTANDING
INTEGRATED REGIONAL WATER MANAGEMENT PLAN FOR THE MOJAVE REGION

1. PURPOSE

The purpose of this Memorandum of Understanding (MOU) is to document the mutual understanding of the Mojave Water Agency (MWA), Victor Valley Wastewater Reclamation Authority, Mojave Desert Resource Conservation District, Morongo Basin Pipeline Commission, and the Technical Advisory Committee to the MWA (which collectively make up the Regional Water Management Group for the Mojave Region) with respect to their joint efforts towards implementing and maintaining a relevant Integrated Regional Water Management Plan (IRWM Plan) that will increase regional coordination, collaboration, communication and qualify the Region to apply for financial assistance made available through Propositions 84 and 1E and other sources to help implement integrated water management related projects.

2. GOALS

To foster coordination, collaboration and communication between agencies responsible for water-related items and interested stakeholders to achieve greater efficiencies, to provide for integration of projects, enhance public services and build public support for vital projects.

To assist in the promotion and implementation of a comprehensive integrated regional water management plan to facilitate regional cooperation in providing but not limited to water supply reliability, water recycling, water conservation, water quality improvement, storm water capture and management, flood management, and environmental and habitat protection and improvements.

3. DEFINITIONS

Integrated Regional Water Management Plan (IRWM Plan): A comprehensive plan for a defined geographic area, the specific development, content, and adoption of which shall satisfy requirements developed pursuant to this part. At a minimum, an Integrated Regional Water Management Plan describes the major water-related objectives and conflicts within a region, considers a broad variety of resource management strategies, identifies the appropriate mix of water demand and supply management alternatives, water quality protections, and environmental stewardship actions to provide long-term, reliable, and high-quality water supply and protect the environment, and identifies disadvantaged communities in the region and takes the water-related needs of those communities into consideration. (CWC §10530 *et seq.*, in particular CWC §10534)

IRWM Plan Coordinating Committee: A committee comprised of representatives (one primary and one alternate) designated by the signatories of this MOU to work with each other and all interested stakeholders to develop the Mojave IRWM Plan.

Local Agency: Any city, county, city and county, special district, joint powers authority, or other political subdivision of the state, a public utility as defined in Section 216 of the Public Utilities Code, or a mutual water company as defined in Section 2725 of the Public Utilities Code. (CWC §10535)

Mojave Region ("Region"): The geographic region which serves as the planning area for the Mojave IRWM Plan.

Regional Project or Program: Projects or programs identified in an IRWM Plan that accomplish any of the following (CWC §10537):

a. Reduce water demand through agricultural and urban water use efficiency.
b. Increase water supplies for any beneficial use through the use of any of the following or other means:
    1. Groundwater storage and conjunctive water management
    2. Desalination
    3. Precipitation enhancement
    4. Water recycling
    5. Regional and local surface storage
    6. Water-use efficiency
    7. Stormwater management
c. Improve operational efficiency and water supply reliability, including conveyance facilities, system reoperation, and water transfers.
d. Improve water quality, including drinking water treatment and distribution, groundwater and aquifer remediation, matching water quality to water use, wastewater treatment, water pollution prevention, and management of urban and agricultural runoff.
e. Improve resource stewardship, including agricultural lands stewardship, ecosystem restoration, flood plain management, recharge area protection, urban land use management, groundwater management, water-dependent recreation, fishery restoration, including fish passage improvement, and watershed management.
f. Improve flood management through structural and nonstructural means, or by any other means.

Regional Water Management Group (RWMG): A group in which three or more local agencies, at least two of which have statutory authority over water supply or water management, as well as those other persons who may be necessary for the

development and implementation of a plan that meets the requirements in CWC Sections 10540 and 10541, participate by means of a joint powers agreement, memorandum of understanding, or other written agreement, as appropriate, that is approved by the governing bodies of those local agencies. (CWC §10539)

Stakeholder: An individual, group, coalition, agency, or others who are involved in, affected by, or have an interest in the implementation of a specific program or project. (California Department of Water Resources, *Integrated Regional Water Management Grant Program Guidelines for Propositions 84 and 1E*, November 2012)

4. IRWM PLAN IMPLEMENTATION PARTICIPANTS

Regional Water Management Group Members: These are the agencies and organizations (Mojave Water Agency, Victor Valley Wastewater Reclamation Authority, Mojave Desert Resource Conservation District, Morongo Basin Pipeline Commission, and the Technical Advisory Committee to the MWA) that are developing regional projects or programs, are responsible to their respective electorates, and are devoting staff to the process, and shall take the lead as described in the "Governance Section" below. These agencies/organizations are signatories to this MOU.

Other Local Agencies: All local agencies (regardless of whether they are part of the Regional Water Management Group) are invited to participate in the promotion, implementation, and maintenance of the Mojave IRWM Plan.

Stakeholders: All stakeholders are considered valuable contributors and shall be invited and encouraged to participate in the promotion, implementation, and maintenance of the Mojave IRWM Plan.

Regulatory Agencies: These agencies, such as but not limited to the Lahontan and Colorado Regional Water Quality Control Boards and the Department of Fish and Wildlife, will be invited to participate. If they cannot participate in IRWM Plan working meetings, representatives of the committee will keep them advised of planning efforts and project progress and seek guidance as needed.

5. MUTUAL UNDERSTANDINGS

Commitment to Support Implementation of the Mojave IRWM Plan

The Governing Bodies of the members of the Regional Water Management Group supported the development of an updated IRWM Plan in 2013 and 2014. Each Governing Body of the members of the Regional Water Management Group has formally adopted the Mojave IRWM Plan, acknowledging their commitment to support the implementation and periodic updating of the Plan.

Governance

A complete description of the governance structure to support implementation and maintenance of the adopted Mojave IRWM Plan is included in the Plan. Highlights of that governance structure include the following:

The Governing Bodies of the members of the Regional Water Management Group will appoint representatives to an IRWM Plan Coordinating Committee, hereafter referred to as the *Coordinating Committee* (CC), which will be comprised of one primary representative and an alternate from each of the RWMG members.

The IRWM Plan Coordinating Committee will establish an *IRWM Plan Implementation Support Team*. This Implementation Support Team will be responsible to:

- Promote progress toward meeting Plan objectives
- Conduct Stakeholder meetings related to Plan implementation, performance tracking, and Plan updates
- Engage the public to support Plan implementation
- Maintain the MyWaterPlan.com website
- Update the Mojave IRWM Plan as needed
- Pursue grant funds to support implementation of the Mojave IRWM Plan
- Coordinate with related efforts
- Foster effective communication throughout the Mojave Region
- Manage and share data and information relevant to Plan implementation

The IRWM Plan Implementation Support Team will function with broad stakeholder input. The Implementation Support Team will consist of the Coordinating Committee and other staff or representatives from agencies and organizations responsible for various aspects of integrated water management in the Region. The Mojave Water Agency will provide a professional staff person to serve as the Team Leader for the Implementation Support Team. Members of the Implementation Support Team will be selected by the Coordinating Committee with input from the Stakeholder Group. Members of the Implementation Support Team must be knowledgeable about one or more aspects of integrated water management and must commit to regular participation in Implementation Support Team meetings.

The Implementation Support Team will invite representatives of other agencies, nonprofit groups, nongovernmental organizations, government entities, and the public to participate as equals during Stakeholder Input Meetings to support implementation of the IRWM Plan. This group of participants will be referred to as the *Stakeholder Group*.

The Implementation Support Team will attempt to reach broad agreement with the Stakeholder Group on any decisions within the responsibility of the Implementation Support Team. The Implementation Support Team will share draft information as it is developed with the Stakeholder Group in public meetings and provide draft documents for review, comment, and discussion. If for some reason broad agreement cannot be reached between the Implementation Support Team and the Stakeholder Group related

to specific items with a reasonable amount of time and effort, the Implementation Support Team Leader will request that the Coordinating Committee discuss the item(s) where broad agreement cannot be reached and then vote to direct the Implementation Support Team on how to proceed.

If the CC is requested to give direction by vote on an item where broad agreement has not been reached between the Implementation Support Team and the Stakeholder Group, each primary representative from the RWMG members (or the alternate if the primary representative is not present) will have one vote. A simple majority vote will serve as direction to the Implementation Support Team on the item being considered.

Any decisions by the CC shall not cause an increase in expenditures beyond amounts authorized by the Governing Bodies of the RWMG in the "Cost Share" provision of this MOU.

Term

This MOU shall take effect upon signature or counter signature of the parties. This MOU shall expire on December 31, 2018 or upon its extension or replacement by a subsequent MOU, Agreement, Joint Powers Authority Agreement, or other instrument.

Cost Share

The Mojave Water Agency is dedicating staff time to support implementation of the IRWM Plan.

Members of the CC may contribute in-kind services in support of the implementation of the IRWM Plan.

The members of the RWMG may enter into separate agreements to authorize cost-sharing for implementation and/or updates to the IRWM Plan as the need arises and as they deem appropriate.

Personnel

It is expected that members of the RWMG will contribute the staff time necessary to meet the goals of this MOU.

Reports and Communications

Members of the CC will regularly report on the progress of implementation of the Mojave IRWM Plan to their respective Governing Bodies and stakeholders.

Execution

This MOU may be executed in counterparts and the signed counterparts shall constitute a single instrument. The signatories to this MOU represent that they have the authority to bind their respective agency to this MOU.

6. SIGNATORIES TO THE MEMORANDUM OF MUTUAL UNDERSTANDINGS

We the undersigned representatives of our respective agencies/organizations, acknowledge the above as our understanding of the development of an Integrated Regional Water Management Plan for the Mojave Region of California.

MOJAVE WATER AGENCY

By _____
General Manager

Date June 26, 2014

VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY

By _____
General Manager

Date 21 July 14

TECHNICAL ADVISORY COMMITTEE TO THE MOJAVE WATER AGENCY

By _____
Chair

Date June 23, 2014

MOJAVE DESERT RESOURCE CONSERVATION DISTRICT

By _____
President

Date 7/2/14

MORONGO BASIN PIPELINE COMMISSION

By _____
Chair

Date July 14, 2014

Appendix A.3

Technical Advisory Committee Distribution List

Technical Advisory Committee (TAC) Distribution List - 2014

- Adelanto, City of
- Agio Real Estate
- Altec Engineering
- Apple Valley Chamber
- Apple Valley Heights County Water District
- Apple Valley Ranchos Water
- Apple Valley, Town of
- Aqua Capital Management
- Bar H Mutual Water Company
- Bar-Len Mutual Water Company
- Barstow Chamber
- Barstow, City of
- Best, Best, Krieger
- Bighorn-Desert View Water
- Building Industry Association
- Center Water Company
- Chevron
- Citizens for a Better Community
- Daggett Chamber Of Commerce
- Daggett CSD
- Daily Press Newspaper
- Department of Fish and Game
- Department of Water Resources
- Desert Dawn Mutual Water Company
- Desert Springs Water Company
- Dezign Engineering
- Earth Science Consulting
- El Mirage Chamber of Commerce
- GEI Consultants
- Golden State Water Company
- Helendale CDS
- Helendale Chamber of Commerce
- Hesperia Golf & Country Club
- Hesperia, City of
- Hi Desert Water
- Hi-Desert Medical Center
- Jess Ranch
- Joshua Basin Citizens Advisory

- Joshua Basin Water District
- Jubilee Mutual Water
- Lake Wainani
- Lucerne Valley Chamber of Commerce
- Lucerne Valley Leader Newspaper
- Lucerne Vista Water Company
- Mariana Ranchos County Water District
- Marine Corps
- Mojave Desert Resource Conservation District
- Mountaineer Progress Newspaper
- Natural Resource Conservation Service, Victorville
- Navajo Mutual Water Company
- Newberry CSD
- Newberry Springs Chamber
- Newberry-Harvard Association
- Nissi Agents
- Oro Grande Agriculture
- Phelan Chamber of Commerce
- Phelan Piñon Hills CSD
- Pinon Hills Chamber of Commerce
- Psomas Consulting
- Rancheritos Mutual Water
- San Bernardino County
- San Bernardino County Advanced Planning Division
- San Bernardino County Board of Supervisors
- San Bernardino County Department of Public Health
- San Bernardino County Department of Public Works
- San Bernardino County Local Agency Formation Commission
- San Bernardino County Special Districts
- Sheep Creek Water Company
- Sierra Club/Mojave Group
- Silver Lakes Association
- So & Associates
- Stakeholders (35)
- State Water Resource Conservation Board -Lahontan
- State Water Resource Conservation Board-Colorado
- Sunset Breeze Real Estate
- Thunderbird County Water District
- Todd Engineers
- Twentynine Palms, City of

- Twentynine Palms Water District
- United States Army Corps of Engineers
- United States Bureau of Reclamation
- Valley Wide News
- Victor Valley Wastewater Reclamation Authority
- Victorville Water District
- Victorville, City of
- Yermo CSD
- Yucca Valley Chamber
- Z107.7 FM Joshua Tree

Appendix A.4

Project Team Charter

Project Team Charter

Mojave Integrated Regional Water Management Plan Update
and Salt Nutrient Management Plan

This Project Team Charter is made and entered into as of April 25, 2013 by the members of the Mojave IRWM Plan and SNMP Project Team:

NOW, THEREFORE, the Project Team members agree as follows:

1. The Mojave Water Agency (MWA), Victor Valley Wastewater Reclamation Authority, Mojave Desert Resource Conservation District, Morongo Basin Pipeline Commission, and the Technical Advisory Committee to the MWA have joined together through a memorandum of understanding (MOU) to form the **Mojave Regional Water Management Group** (RWMG).

2. Each member of the RWMG has appointed two representatives (a primary and an alternate) to form a **Coordinating Committee** (CC) to guide development of the Mojave IRWM Plan and a Salt & Nutrient Management Plan for the Mojave IRWM Region which currently is congruent with the MWA boundaries.

3. The Mojave IRWM Plan will be developed by a **Project Team** with broad stakeholder input. The Project Team includes participants from the Coordinating Committee, staff from members of the RWMG, volunteers from the Region, and the technical, public outreach, and facilitation consultants.

4. Lance Eckhart of the Mojave Water Agency will serve as the Project Manager for the Project Team and Tim Gobler will serve as the Assistant Project Manager for the Project Team.

5. Mary Lou Cotton will serve as the Project Manager for the Consultant Team and Sandra Carlson will serve as the Assistant Project Manager for the Consultant Team.

6. The Project Managers and Assistant Project Managers for the Project Team and the Consultant Team will conduct a conference call to discuss project progress at least once every month or as needed.

7. The CC has committed to engage the vast array of knowledge and talent among staff and other integrated water resources professionals within the region, and to do so in a way that fosters professional development and growth among agency staff while developing the IRWM Plan. The intent is to engage local professionals during the development of the IRWM Plan to benefit from their expertise and to prepare them to help implement the Plan after it is developed. The Consultant Team will work closely with designated staff and other experts participating on the Project Team to develop the Plan and foster professional development where feasible.

8. Representatives of other agencies, nonprofit groups, nongovernmental organizations, government entities, and the public will be invited to participate as equals during *Stakeholder Input Meetings* to inform the content of the IRWM Plan. This group of participants will be referred to as the **Stakeholder Group**. The Project Team will attempt to reach broad agreement with the Stakeholder Group on the final IRWM Plan content. The Project Team will share draft information as it is developed with the Stakeholder Group in public meetings and provide draft documents for review, comment, and discussion. If for some reason broad agreement cannot be reached between the Project Team and the Stakeholder Group related to specific items with a reasonable amount of time and effort, the Project Team will request that the Coordinating Committee discuss the item(s) where broad agreement cannot be reached and then vote (according to the terms defined in the terms defined in the Mojave IRWM Plan MOU of February 28, 2013) to direct the Project Team on how to proceed.

9. The Project Team envisions conducting most Stakeholder Input Meetings in cooperation with the Technical Advisory Committee to the MWA and will schedule the meetings to encourage the broadest participation possible.

10. Entities that are not members of the RWMG are encouraged to participate in the IRWM Plan development process either through the Stakeholder Input Meetings or through review and comment on draft documents.

11. Questions, general concerns, or other issues that may arise among the Project Team members during the IRWM Plan development process shall be directed to the Project Manager.

12. The Project Team (under the guidance of the Project Manager) will develop and update a Project Team Work Plan throughout the duration of the project that defines the active tasks and associated roles and responsibilities. The Project Team Work Plan will identify the task leader, contributors, reviewers, and people who need to be informed about each task.

13. Each Project Team member commits to responding to requests (verbal, telephone, or e-mail) made by other Project Team members within three (3) business days. If a Project Team member will be unavailable for more than three (3) business days, the Project Team member will notify the Project Team Project Manager and Assistant Project Manager. The Project Manager may designate an alternate for a team member that will be unavailable for the number of days absent if that team member is responsible for work on a project task that will need to be progressed during the time the team member will be unavailable.

14. Each Project Team member agrees to use a naming convention for electronic files consistent with "Filename_VERSION_YYMMDD.docx". "Version" means DRAFT, FINAL DRAFT, FINAL, etc.

15. Each Project Team member agrees to append their initials to the filename for any digital file for which they add comments or revise electronically (e.g., Original-Filename_VERSION_YYMMDD_kwk.docx) before distributing to other Project Team members.

16. Each Project Team member commits to completing their portion of each task as designated in the Project Team Work Plan. If a Project Team member believes they will not be able to complete their portion of a task as agreed upon, they will notify the task leader as soon as they believe they will not be able to fulfill their commitments.

17. Yvonne Hester shall coordinate all requests and information received through comments@mywaterplan.com, by mail with attention to "Integrated Regional Water Management Plan Comments," and phone calls received, and coordinate with the Project Team members to develop appropriate responses. Yvonne will also document all correspondence received through these channels.

18. Changes to this charter can be made from time to time based on mutual agreement.

Project Team Members

Lance Eckhart**, Mojave IRWM Plan and SNMP Project Manager
Tim Gobler, Mojave IRWM Plan and SNMP Assistant Project Manager
Yvonne Hester, MWA
Kirby Brill, MWA
Kathy Cortner, MWA
Anna Garcia, MWA
Tony Winkel, MWA
Matt Howard, MWA
Brian Hammer, MWA
Kimberly Cox, MWA
Mary Lou Cotton, Consultant Project Manager
Sandra Carlson, Consultant Assistant Project Manager
Ken Kirby, Kirby Consulting Group
Mark Sillings, M.I.G. Inc.
Esmeralda Garcia, M.I.G. Inc.
Phyllis Stanin, Todd Engineers
Ed Lin, Todd Engineers
Mike Plaziak, Lahontan
Tom Thornton, City of Adelanto
Jeanette Hayhurst, TAC
Chuck Bell**, Mojave Desert RCD
Scott Weldy**, TAC/Apple Valley Ranchos
Bob Stadum**, Morongo Basin Pipeline Commission/Hi-Desert Water District
Marina West, Bighorn-Desert View Water Agency
Logan Olds**, VVWRA
Kate Beyer, VVWRA
Richard Selby, ESTE Subarea Advisory Committee

Daniel Gomes, Schlumberger Water Services
Harold Zamora, San Bernardino County
Paul Johnson, Mojave Desert RCD

**** Indicates individual also serves on the Coordinating Committee.

Appendix A.5

Stakeholder Meeting Summaries

Mojave Water Agency
Update of Integrated Regional Water Management Plan

Wednesday, January 23, 2013

8:00 am-12:00 pm

Mojave Water Agency Headquarters

13846 Conference Center Drive Apple Valley, CA 92307

Kick-off Meeting Agenda

a. Welcome and Introductions

b. Meeting Purpose

   1. Discuss goals for updating IRWM Plan
   2. Discuss DWR 2012 Guidelines requirements
   3. Review SNMP Preparation
   4. Discuss IRWM planning process/ Engagement Plan Outline
   5. Review IRWMP Preparation

c. Goals for updating IRWM Plan

   1. What would you like to accomplish by the end of this planning process?

d. Required IRWMP Changes per DWR 2012 Guidelines requirements (see Handout #1)

e. SNMP Preparation

   1. Approach for Developing the SNMP (See Handout #2)
   2. Coordination with Schlumberger on Stella Modeling
   3. Schedule (See Handout #3)
   4. How can SNMP be used for SWRCB new policy on Onsite Wastewater Treatment Systems (OWTS) and the required Local Agency Management Plan (LAMP)?

f. MWA IRWM Planning Process/ Engagement Plan Outline

   1. Participants Concerns/Goals
   2. How to get Agencies and interested parties to Participate in Planning Process? / Available Funding for participants
   3. Who Gets Invited? Who Does What?

g. IRWMP Preparation

   1. Approach for Developing the Plan (See Handout #4)
   2. Schedule (See Handout #5)
   3. Plan Content (See Handout #6)

h. Wrap Up / Action Items

Mojave Water Agency
Update of Integrated Regional Water Management Plan

Wednesday, January 23, 2013

8:00 am-12:00 pm

Mojave Water Agency Headquarters

13846 Conference Center Drive Apple Valley, CA 92307

List of Handouts

1. New DWR IRWMP Standards
2. SNMP Development
3. SNMP Schedule
4. IRWM Plan Meeting Approach
5. IRWMP Schedule
6. IRWM Plan Content (Topics of Engagement)

New DWR IRWMP Standards

DWR IRWMP Guidelines published November 2012:

- Plan Objectives must address major water-related issues and conflicts
- Objectives must be **measurable** by some practical means
    - quantitatively or "qualitatively"
- Objectives should be prioritized (if not, why not)
- Objectives must be focused on addressing the region's water management issues, including flood management of the region
- Must consider overarching goals that apply to the area and are consistent with objectives:
    - **Basin Plan Objectives**
    - **SBX7-7 (20x2020) water efficiency goals**
    - Various **minimum requirements** of CWC

IRWM Plan Standards are as follows:

Table 2 – IRWM Plan Standards

Governance (New RWMG Standard)	Data Management
Region Description	Finance
Objectives	Technical Analysis
Resource Management Strategies (RMS)	Relation to Local Water Planning
Integration	**Relation to Local Land Use Planning (New)**
Project Review Process (New)	Stakeholder Involvement
Impact and Benefit	Coordination
Plan Performance and Monitoring	**Climate Change**

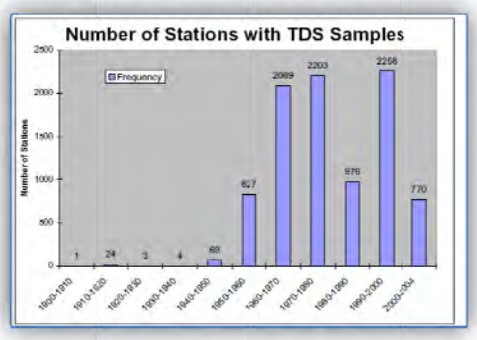
New IRWM Plan Standard for Climate Change must address:

- Adaptation to Climate Change Effects
- Mitigation of Greenhouse Gas (GHG) Emissions

Developing the SNMP

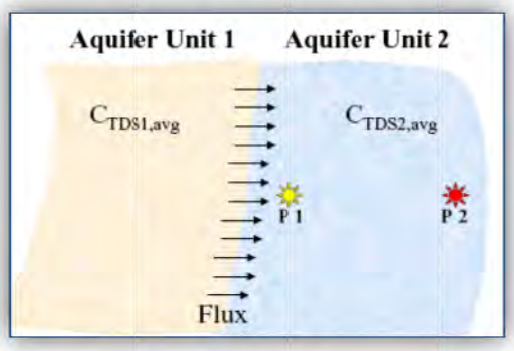
Understand the data (and limitations!)

- Focus on data since 2005
- Concentration of data in certain areas
- Increased frequency over time
- Trends – how did we get here?
- Ambient groundwater concentrations



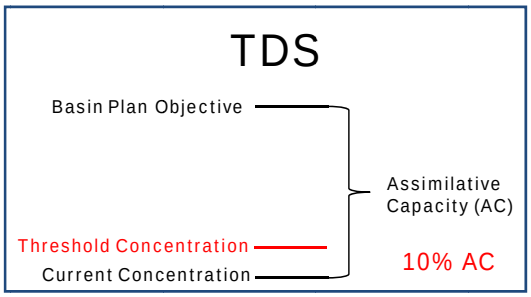
Apply Stella Model

- Baseline - 2012
- No Project Scenario
- Future Scenarios – timing?



Characterize Salt/Nutrient

- Loading estimates
- Calibration to trends!
- Assimilative capacity
- CECs – acknowledge potential sources
- Evaluation of project impacts

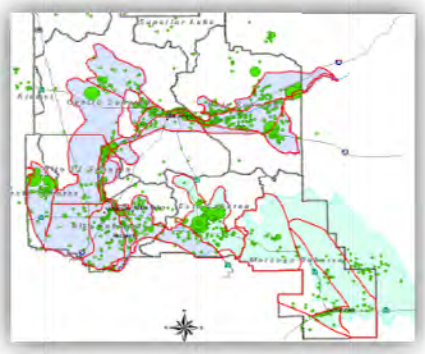


Develop Monitoring Plan

- Numerous regional monitoring programs
- Monitoring plan for future projects
- Identification of stakeholder responsibilities

Identify Implementation Measures

- Existing practices
- Additional Best Management Practices



Address Recycled Water and Stormwater

- Ongoing Projects
- Additional projects from IRWMP

Stakeholder Participation/Regulatory Acceptance

- Communication
- Transparency
- Partnership

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

Mojave Water Agency

SNMP Schedule

Stakeholder Participation	Description	SNMP Elements Discussed	Proposed Date
Kickoff Meeting	Kickoff Meeting to replace one workshop.		January 23, 2013
Workshop No. 1 - Introduction	This meeting will introduce the team to the TAC, identify other potential stakeholders…	Review/Assemble Existing Data and Research	April 4, 2013
Two Regional Board Workshops	Present MWA's strategy and approach for SMP.	n/a	May 8 - Lahanton, May 16 - Colorado
Workshop No. 2 – Water Quality Baseline and Assimilative Capacity	This workshop will present the results of the review of groundwater quality data. We will describe how these data are used to characterize baseline conditions and the existing assimilative capacity of the basins. We will also discuss how these data will are being used in the modeling.	Update And Run Water Quality Model	June 6
Workshop No. 3 – Modeling Results	This workshop will review the results of the water quality monitoring and how future conditions compare to the assimilative capacity. These data will be used to develop potential implementation actions and a monitoring and reporting plan.	STELLA Model updates and outputs, Salt/Nutrient Characterization	August 1
Workshop No. 4 – Implementation	This meeting will focus on interactions with entities most impacted by Best Management Plan (BMP) implementation. The Draft SMP will be presented at this time	Monitoring & Reporting Plan, Implementation Measures, Recycled Water and Storm Water Use/Recharge	October 3
Workshop No. 5 - Present SMP	The final meeting will include a presentation of the Final SMP, which will incorporate comments from Stakeholders.	CEQA Analysis	December 16
Two Regional Board Workshops	Present MWA's Final SMP.	n/a	Jan 15 - Lahanton, Jan 16 - Colorado

Mojave Water Agency

Engagement Approach for Updating the Plan

Considering the potential stakeholders and our proposed topics, we have outlined a series of meetings in a recommended sequence that will be key to updating the IRWM Plan. The description of potential meetings identifies the number of expected meetings, highlights the topics of primary focus in each meeting, the scale of the meeting (regional or local), and any special considerations for particular stakeholders.

We recommend that each meeting (after the Team Alignment meeting) will be open to all interested stakeholders. At select meetings, we will provide draft sections of the IRWM Plan that include content from the appropriate topics for discussion and review. All regional meetings are assumed to be held at MWA Headquarters where existing TAC meetings are currently held.

Meeting 1: Team Alignment – one meeting with the key participants who will be helping develop content for the updated IRWM Plan. We will introduce Topic 1: Team Charter, Topic 2: Plan Update Process, Topic 3: Plan Scope, and Topic 12: Governance. (January 23, 2013)

Meeting 2: Project Kick-off – one regional meeting at MWA Headquarters inviting all potentially interested stakeholders (assumed to include the TAC) to discuss Topic 1: Team Charter, Topic 2: Plan Update Process, Topic 3: Plan Scope, and Topic 12: Governance.

Meeting 3: Discuss Current Conditions, Future Conditions, and Challenges and Opportunities; Refine Objectives – one regional meeting to discuss Topic 4: Current Conditions, Topic 5: Future Conditions, and Topic 6: Challenges and Opportunities. We will also review and refine Plan objectives.

DAC Workshops: Introduce Plan Update Process, Describe Opportunities to Participate, Explore Modes of Participation, and Identify Potential DAC Challenges and Opportunities – three meetings at different local venues with California Native American Tribes and representatives of disadvantaged communities (DACs). Each workshop will include discussions of the Plan Update process, identify reasons and opportunities to participate in updating the Plan, explore promising modes of participation for the Tribes and DACs, and identify challenges and opportunities for these residents of the Region.

Meeting 4: Discuss Approach for Identifying and Evaluating Potential Projects; Discuss Process for Integration; Prepare to Issue Call for Projects – one regional meeting to review draft content from (Topics 4, 5, and 6), if needed refine Plan objectives (Topic 3), and introduce Topic 7: Potential Projects, Topic 8: Integration, and Topic 9: Benefits and Impacts. Discuss the expected process for submitting projects for consideration for inclusion in the Plan Update and the date project submittals will be due.

Public Workshops: Introduce Plan Update Process, Describe Opportunities to Participate, Explore Modes of Participation, and Identify Potential Public Challenges and Opportunities – to encourage broader public participation in the IRWMP Update process, three public meetings at different local venues (these workshops are preliminarily anticipated to be held in Apple Valley (MWA headquarters), Barstow, and Yucca Valley). Each workshop will include discussions of the Plan Update process, identify reasons and opportunities to participate in updating the Plan, explore promising modes of participation

for the various public organizations and agencies that might be interested, and identify challenges and opportunities for these residents of the Region.

Meeting 5: Summarize Project Proposals, Review Opportunities for Integration, and Discuss Process for Project Screening and Prioritization – one regional meeting to present a summary list of potential projects (Topic 7), review Topic 8: Integration in light of proposed projects, discuss proposed evaluation methods (Topic 9), and discuss process to screen and prioritize projects (Topic 10).

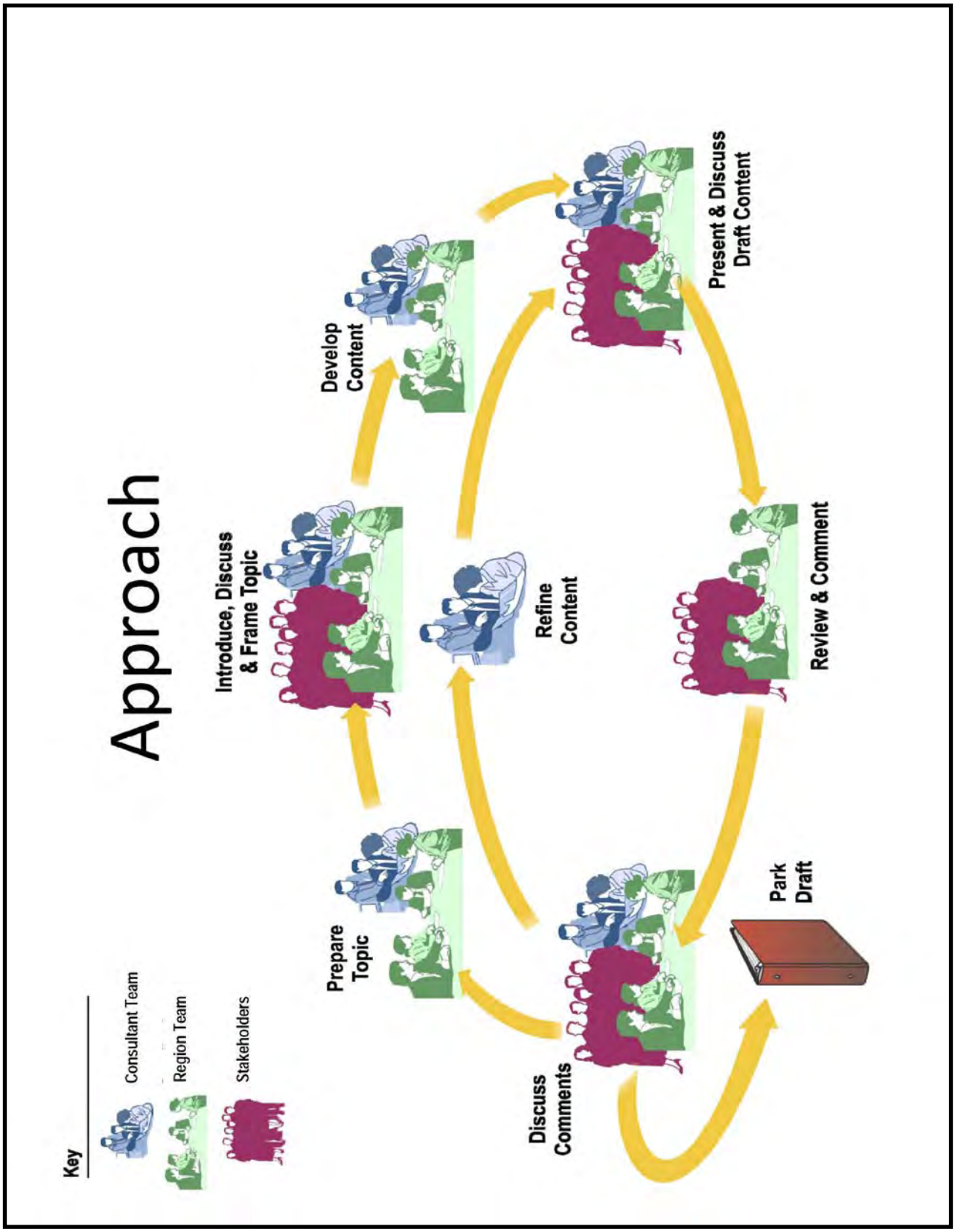
Meeting 6: Select and Prioritize Projects – one meeting to present evaluation results for potential integrated projects (Topics 7, 8, and 9), reconsider opportunities for integration, and select which projects to include in the Plan Update and group them by priority (Topic 10).

Meeting 7: Refine Projects, Discuss Plan Recommendations, and Revisit Governance – one regional meeting to refine list and priority of projects (Topic 10), discuss Plan recommendations (Topic 11), and discuss any remaining items related to long-term governance for Plan implementation (Topic 12).

Meeting 8: Finance and Plan Performance and Monitoring – one regional meeting to refine Plan Recommendations (Topic 11) and discuss Topic 13: Finance and Topic 14: Plan Performance and Monitoring.

Meeting 9: Present Public Review Draft of Entire Plan – one regional meeting to present a fully assembled draft of IRWM Plan. Highlight new material added beyond previous draft sections that had been previously reviewed.

Meeting 10: Prepare Plan for Adoption – one regional meeting to discuss comments received and how they were addressed, present final draft of the updated Plan, and discuss resources needed to proceed to Plan adoption.


Approach
Key
Consultant Team
Region Team
Stakeholders
Prepare Topic
Introduce, Discuss & Frame Topic
Develop Content
Refine Content
Present & Discuss Draft Content
Review & Comment
Park Draft
Discuss Comments

Mojave Water Agency

IRWMP Schedule

Workshop No.	Proposed Date	DWR Standard Addressed	Meeting Approach No. (Handout #4)	Proposed Agenda Topic
Kickoff Meeting	January 23, 2013	n/a	Mtg 1: Plan Dev & Scoping	Kickoff Meeting to replace one Board Meeting.
TAC Meeting 1	February 7, 2013 (could do 3/5 or 3/6 as alt)	Governance, Coordination, Objectives, Stakeholder Involvement	Mtg 2: Project Kick-off	This meeting will introduce the team to the TAC, identify other potential stakeholders, initiate data collection efforts, and provide for the download of valuable knowledge from the audience to the Kennedy/Jenks IRWMP Team.
TAC Meetings 2 & 3	April 4, 2013, June 6, 2013,	Objectives, Regional Description, Relation to Local Water Use Planning, Relation to Local Land Use Planning, Climate Change	Mtg 3: Discuss Current Conditions, Future Conditions, and Challenges and Opportunities; Refine Objectives Mtg 4: Discuss Approach for Identifying and Evaluating Potential Projects; Discuss Process for Integration; Prepare to Issue Call for Projects	Phase 1 - The first few months the meetings will focus on revisiting the Basin Management Objectives (BMOs), conducting a needs assessment, and identifying/soliciting suggested projects and management alternatives from stakeholders.
TAC Meeting 4	August 1, 2013	Resource Management Strategies, Integration, Project Review Process, Climate Change	Mtg 5: Summarize Project Proposals, Review Opportunities for Integration, and Discuss Process for Project Screening and Prioritization	Phase 2 - Present the screening model to the TAC.
MWA Board Meeting	August 8, 2013	n/a	n/a	Phase 1 Summary and Phase 2 Introduction
TAC Meeting 5	October 3, 2013	Project Review Process, Impact and Benefits, Stakeholder Involvement	Mtg 6: Select and Prioritize Projects	Using performance measures, projects will be evaluated and grouped using input from TAC.
TAC Meeting 6	December 16, 2013	Plan Performance and Monitoring, Data Management, Governance, Coordination	Mtg 7: Refine Projects, Discuss Plan Recommendations, and Revisit Governance	Phase 3 – TAC discussion on Final Project Prioritization and documentation process.
MWA Board Meeting	January 9, 2014	n/a	n/a	Phase 2 Summary and Final Projects.

Workshop No.	Proposed Date	DWR Standard Addressed	Meeting Approach No. (Handout #4)	Proposed Agenda Topic
TAC Meeting 7	February 6, 2014	Finance, Technical Analysis, Governance, Coordination,	Mtg 8: Finance and Plan Performance and Monitoring	Work with the TAC to determine appropriate updates or changes to management actions.
TAC Meeting 8 – Draft IRWMP	April 3, 2014	Plan Performance and Monitoring, Data Management	Mtg 9: Present Public Review Draft of Entire Plan	The meeting will include a presentation of the DRAFT IRWMP, which can be reviewed by the Stakeholders.
TAC Meeting 9 – Final IRWMP	June 5, 2014	n/a	Mtg 10: Prepare Plan for Adoption	The meeting will include a presentation of the FINAL IRWMP, which will incorporate comments from Stakeholders.
MWA Board Meeting	June 12, 2014	n/a	n/a	Adopt IRWMP – Public Hearing
MWA Board Meeting	June 28, 2014	n/a	n/a	Final IRWMP

MWA Area IRWM Plan Update - Kennedy/Jenks Schedule

		2013												2014					
	Task	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	**Meetings & Stakeholder Outreach**																		
1.1	Technical Advisory Committee - 9 TAC Meetings		2/7		4/4		6/6		8/1		10/3		12/16		2/8		4/5		6/7
1.2	Public Workshops - 3 workshops						6/5,6,7												
1.3	MWA Board of Directors - 5 meetings	1/23							8/8					1/9					6/12,6/26
1.4	Disadvantaged Communities (DACs) - 3 workshops				4/3,4,5														
1.5	Facilitator for Stakeholder Groups																		
1.6	Meetings with MWA Staff - Bi-weekly conference calls																		
2	**Salt/Nutrient Management Plan***																		
2.1	Stakeholder participation (6 meetings)	1/23			4/4		6/6		8/1		10/3		12/16						
	Water Board Meeting** (4 meetings)					5/8,5/16								1/15,1/16					
2.2	Review/assemble existing data & research																		
2.3	Update and Run Water Quality Model																		
2.4	Salt/nutrient characterization																		
2.5	Monitoring & reporting plan																		
2.6	Implementation measures																		
2.7	Recycled water & stormwater use/recharge																		
2.8	Preliminary CEQA Analysis																		
2.9	Prepare plan for submittal to Water Boards																		
3	**Plan Update**																		
3.2	Update Chapter 1, Introduction																		
3.3	Update Chapter 2, Agency and Stakeholder Background																		
3.4	Update Chapter 3, Physical Setting																		
3.5	Update Chapter 4, Water Supply																		
3.6	Update Chapter 5, Water Demand																		
3.7	New Chapter, Water-Related Needs of Disadvantaged Communities																		
3.8	Update Chapter 6, Water Shortage Contingency Planning																		
3.9	New Chapter, Climate Change Analysis																		
3.10	Update Chapter 7, Water Conservation and DMMs																		
3.10.1	*Summarize Regulatory Requirements*																		
3.10.2	*Develop New Conservation Programs*																		
3.11	New Chapter, Integrated Flood Management																		
3.12	Update Chapter 8, Stakeholder Assessment and Public Outreach																		
3.13	Update Chapter 9, Basin Management Objectives and Alternatives																		
3.13.1	*Needs Assessment/Identify Projects - Phase 1*																		
3.13.2	*Evaluate & Prioritize Projects - Phase 2*																		
3.13.3	*Incorporate Final Project Priorities - Phase 3*																		
3.14	Update Chapter 10, Management Actions																		
3.15	Update Appendices to the IRWMP																		
3.17	Prepare Draft and Final IRWMP Report																**DRAFT**		**FINAL**
4	Program Management and QA/QC																		
4.1	Program Management and QA/QC																		

Notes: * RWQCB Lahanton Region's due date for SNMP is May 14, 2014 without an extension.

** Lahanton Water Board meeting scheduled for 5/8 (4pm) in Barstow and for 1/15 (4pm) at undetermined location at this time. Colorado Water Board meeting is scheduled for 5/16/13 (9am) in Palm Desert and for 1/16/14 (9am) in Palm Desert, as well.

IRWM Plan Content (Topics for Engagement)

In order to keep the Plan update process focused and productive, we have identified a set of "topics" to focus on and interact around through the planning process.

These topics include items related to the Plan update process and also include content items defined in DWR's published standards for IRWM Plans (see *Integrated Regional Water Management Proposition 84 & Proposition 1E Grant Program Guidelines*; November 2012). Table 2 in the DWR Guidelines Document lists 16 standards that must be covered in the IRWM Plan to qualify as an acceptable Plan.

The Topics for Engagement include related items to be covered in one or more meetings. Draft Plan content will be prepared based on the discussion of each topic and then provided for review and comment. The draft content will be revised and resubmitted for review and comment until broadly acceptable. The list of topics includes (each of the topics is described in more detail below and is annotated with the *DWR 2012 Guidelines IRWM Plan Standards*):

- Topic 1: Team Charter
- Topic 2: Plan Update Process
- Topic 3: Plan Scope
- Topic 4: Current Conditions
- Topic 5: Future Conditions
- Topic 6: Challenges and Opportunities
- Topic 7: Potential Projects
- Topic 8: Integration
- Topic 9: Benefits and Impacts
- Topic 10: Project Selection and Priority
- Topic 11: Plan Recommendations
- Topic 12: Governance
- Topic 13: Finance
- Topic 14: Plan Performance and Monitoring

Topic 1: Team Charter

We believe that one of the most important factors for success of this project will be to establish and maintain effective working relationships among those from MWA and the Technical Advisory Committee who will be working to help develop content for the

updated IRWM Plan (Regional Team) and the Kennedy/Jenks Team (Consultant Team). We propose to call this group of people responsible to develop content the Plan Update Team.

Therefore, early in the Plan update process, we propose to develop and adopt a charter with the Plan Update Team that defines how we will work together during the life of the project. As part of the chartering process, we will draft goals intended to be accomplished during the planning process (these differ from the IRWM Plan objectives that will set the target for Plan performance to be developed later in the process). We also intend to refine our proposed project approach, if needed.

Topic 2: Plan Update Process (*Governance, Stakeholder Involvement, Coordination*)

While engaging on this topic we intend to:

- Describe our intended process to update the IRWM Plan
- Highlight planned engagement opportunities and target audiences
- Invite participation in the Plan development, including disadvantaged communities (DACs) and California Native American Tribes
- Assess the level of interest in participating in various parts of the Plan update process
- Solicit feedback regarding our intended approach from potentially interested stakeholders
- Refine intended approach as needed based on feedback received

Topic 3: Plan Scope (*Objectives, Technical Analyses*)

While engaging on this topic we intend to:

- Describe the intended content of the updated IRWM Plan
- Adopt a planning horizon (minimum of 20 years)
- Develop initial IRWM Plan objectives (and discuss whether we intend to prioritize Plan objectives)
- Discuss intent or need for AB 3030 and other relevant compliance

Topic 4: Current Conditions (*Region Description, Resource Management Strategies, Relation to Local Water Planning, Relation to Local Land Use Planning, Coordination*)

While engaging on this topic we intend to:

- Refine Region description

- Inventory existing Plans and studies that may be useful to inform the current conditions description
- Describe current conditions in terms of demographics, agency boundaries and roles, land use, water supply, water quality, habitat, flood management, invasive species management, etc.
- Develop a current water balance for each Area and the Region as a whole for average and dry years
- Develop other helpful interaction diagrams for Areas for topics such as flood threats, habitat connectivity, potential invasive species migration, etc.
- Identify the topics, locations, and agencies where integration and collaboration appear to be most useful

Topic 5: Future Conditions (*Objectives, Resource Management Strategies, Technical Analyses, Relation to Local Water Planning, Relation to Local Land Use Planning, Coordination*)

While engaging on this topic we intend to:

- Identify how to characterize potential effects of climate change
- Inventory existing Plans and studies that may be useful to inform the development of the future conditions description
- Describe future conditions (according to the adopted planning horizon) in terms of demographics, agency boundaries and roles, land use, water supply, water quality, habitat, flood management, invasive species management, etc.
- Develop a future water balance for each Area and the Region as a whole for average and dry years
- Develop other helpful interaction diagrams for Areas for topics such as flood threats, habitat connectivity, potential invasive species migration, etc.
- Identify the topics, locations, and agencies where integration and future collaboration appear to be most useful

Topic 6: Challenges and Opportunities (*Objectives, Impacts and Benefits, Integration*)

While engaging on this topic we intend to identify challenges and opportunities throughout the Region that fit within the intended scope of the updated IRWM Plan. We plan to explore these challenges and opportunities from various perspectives including:

- Current

- Future
- Area
- Disadvantaged Communities
- California Native American Tribes
- Delta-specific

We will refine IRWM Plan objectives as part of this topic.

Topic 7: Potential Projects (*Objectives, Resource Management Strategies, Impacts and Benefits, Integration, Climate Change, Stakeholder Involvement*)

While engaging on this topic we intend to:

- Develop a template for required project information
- Issue a call for projects that could meet one or more IRWM Plan objectives
- Develop a potential project summary list

Topic 8: Integration (*Objectives, Resource Management Strategies, Impacts and Benefits, Integration, Climate Change, Stakeholder Involvement, Coordination*)

While engaging on this topic we intend to:

- Characterize potential projects as they relate to DWR's resource management strategies
- Evaluate whether the potential projects address all of the IRWM Plan objectives
- Conduct brainstorming sessions to identify potential new projects or ways to further integrate previously identified potential projects

Topic 9: Benefits and Impacts (*Objectives, Impacts and Benefits, Integration, Climate Change, Technical Analyses, Stakeholder Involvement*)

While engaging on this topic we intend to:

- Define the key performance metrics to be used for project evaluation
- Characterize potential benefits according to IRWM Plan objectives (using best available information)
- Characterize potential negative impacts (using best available information) and identify strategies to avoid or mitigate them

Topic 10: Project Selection and Priority (*Project Review Process, Objectives, Resource Management Strategies, Impacts and Benefits, Integration, Technical Analyses, Climate Change, Stakeholder Involvement*)

While engaging on this topic we intend to:

- Establish a process to screen and prioritize projects for inclusion in the updated IRWM Plan
- Screen and prioritize projects for inclusion in the updated IRWM Plan

Topic 11: Plan Recommendations (*Objectives, Resource Management Strategies, Impacts and Benefits, Integration, Climate Change, Data Management*)

While engaging on this topic we plan to develop recommendations for action to occur upon adoption of the IRWM Plan. This will include recommended actions related to the prioritized projects and other related actions such as data gathering, further analysis, etc.

Topic 12: Governance (*Governance, Coordination)*

While engaging on this topic we intend to:

- Describe current governance that was used to guide the Plan update process
- Develop a method for updating project list and prioritization after the IRWM Plan is adopted
- Make recommendations (as needed) for adjusting governance to manage Plan implementation and updating

Topic 13: Financing (*Finance, Coordination*)

While engaging on this topic we intend to:

- Estimate required funding to implement the recommended actions
- Identify potential funding sources to implement the recommended actions
- Make recommendations for securing additional funding as needed

Topic 14: Plan Performance and Monitoring (*Plan Performance and Monitoring*, *Data Management*)

While engaging on this topic we intend to:

- Identify specific measures of success for the updated IRWM Plan
- Establish roles and responsibilities for monitoring of progress based on Plan actions

- Discuss approach for long-term data management
- Define a strategy for periodic reporting on Plan performance

TECHNICAL ADVISORY COMMITTEE

AGENDA

Mojave Water Agency
Board Room
13846 Conference Center Drive **February 7, 2013**
Apple Valley, CA 92307 **10:00 a.m.**

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1. **Call to Order**

2. **Pledge of Allegiance**

3. **Introductions of Attendees**

4. **Approval of Agenda**

5. **Consider Adoption of Committee Meeting Summary from December 12, 2012**

   Meeting Summary

6. **Discuss Integrated Regional Water Management Plan Update**

   Item 6 Presentation

7. **Proposition 84 Grant Funding Round 2 Status Update**

   Item 7 Presentation

8.

Update on Renewable Energy Projects within the Mojave Water Agency Boundary

Item 8 Presentation

9. Other Business

A. Next meeting scheduled for March 5, 2013

10. Adjournment

Pursuant to Government Code Section 54954.2(a), any request for a disability-related modification or accommodation, including auxiliary aids or services, that is sought in order to participate in the above-agendized public meeting, should be directed to the Agency's General Manager's office at (760) 946-7008 at least 24 hours prior to said meeting.

Please visit our Facebook page at http://www.facebook.com/mojavewater

Integrated Regional Water Management Plan Update

Technical Advisory Committee

February 7, 2012

MWA staff had an IRWMP kickoff meeting with the Consultant Team on Jan 23

- Major accomplishments:
  - Define roles of consultant team and MWA staff
  - Identify goals of the IRWMP
  - Set tentative project & meeting schedule
  - Review major tasks

What will we accomplish with this IRWMP Update?

Create a vision for water management in the High Desert for the next 10-20 years

- Set specific goals and objectives by which to measure our activities against
- Create a framework for successful implementation of projects and management activities (planning, funding, implementation schedule)
- Allow all interested stakeholders to provide input
- Look for areas of collaboration & commonality
- Meet State standards

What is the process the TAC will be involved with over the next 1.5 years?

Balance future water demands with available supplies recognizing the need to:

- stabilize the groundwater basin storage balance over long-term hydrologic cycles
- protect and restore riparian habitat areas as identified in Exhibit H of the Mojave Basin Area Judgment and the Department of Fish & Game management plan required by Exhibit H
- limit the potential for well dewatering, land subsidence, and migration of poor quality water
- maintain a sustainable water supply through extended drought periods; and
- select projects with the highest likelihood of being implemented.

Maximize the overall beneficial use of water throughout MWA by:

- supplying water in quantity and of quality suitable to the various beneficial uses
- addressing <u>at a minimum</u> Table 7-1 issues throughout the MWA service area recognizing the interconnection and interaction between different areas
- distributing benefits that can be provided by MWA in an equitable and fair manner
- ensuring that costs incurred to meet beneficial uses provide the greatest potential return to beneficiaries of the project(s)
- avoiding redirected impacts; and
- identifying sustainable funding sources including consideration of affordability.

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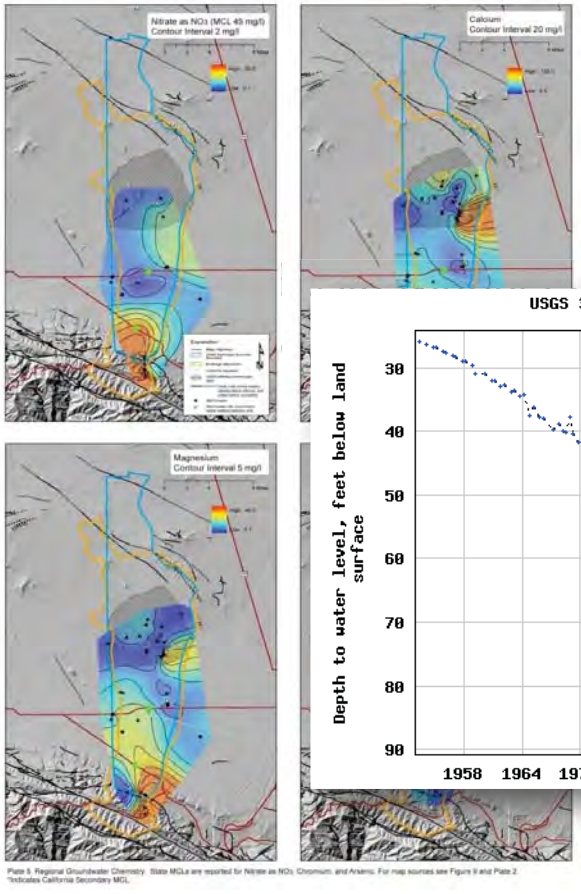

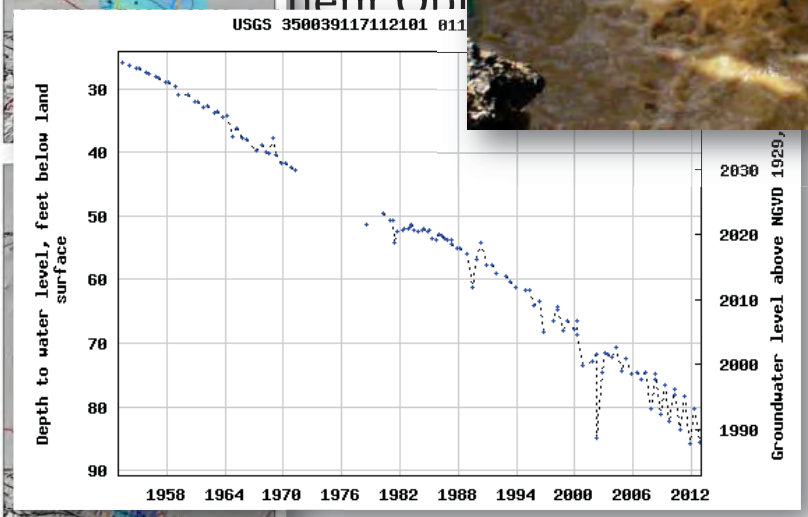

What is the process the TAC will be involved with over the next 1.5 years?

Performance Measures

For each part of the Basin Management Objectives, performance measures were proposed and discussed at the August TAC workshop. Input from this discussion is included below. The resulting performance measures can be grouped into six broad categories, as follows:

- Storage levels – relating to groundwater accessibility, environmental groundwater elevations, and subsidence potential
- Supply-demand balance – relating to water supply sustainability, mismatch between supply and demand, water supply operations and contingency plans
- Economics – relating to project costs, benefits related to water supply, mitigation requirements, and funding sources
- Water quality – relating to the suitability of water for a particular use, and expected changes in water quality
- Equity – relating to the fair and equitable distribution of benefits and costs
- Implementability – relating to the institutional complexity, potential redirected impacts, and environmental impact of proposed projects

What is the process the TAC will be involved with over the next 1.5 years?

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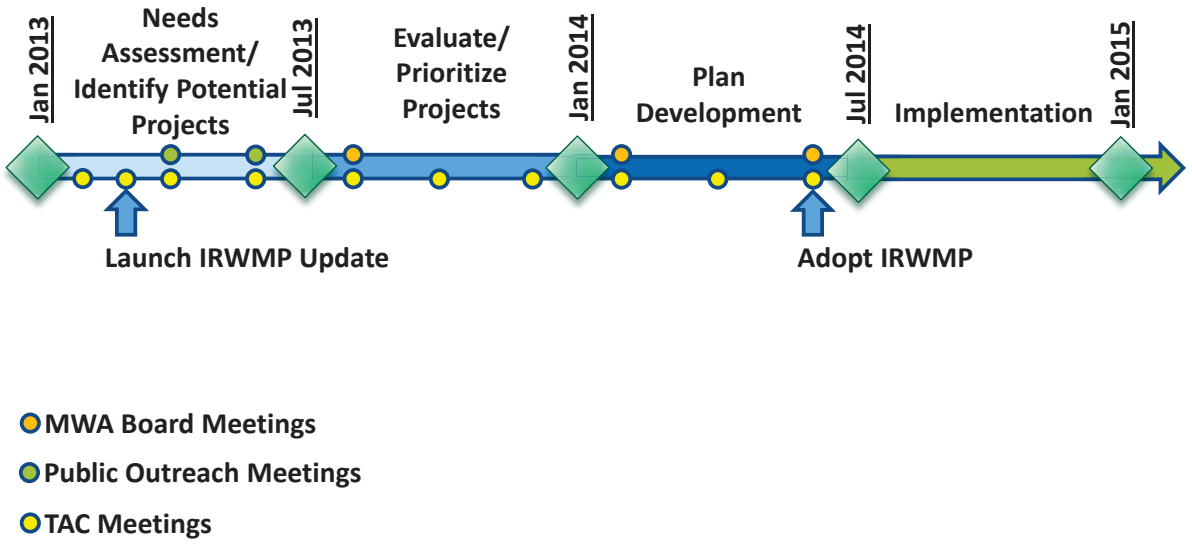
What is the process the TAC will be involved with over the next 1.5 years?

- Establish framework for plan Development
- Revisit Basin Management Objectives
- Identify water management needs
- Develop a process for evaluating/prioritizing projects
- Identify potential projects
- Explore opportunities for integration (multiple benefits)
- Evaluate/prioritize projects
- Prepare financing plan and implementation schedule

IRWMP Schedule Overview



What's Next?

Date	Meeting	Description
Mar 5, 2013	TAC	**Official Project Kickoff** Introduce consultant team, identify stakeholders, review project scope, initiate data collection efforts
Apr 4, 2013	TAC	**Phase 1, meeting 1** Discuss current conditions, future conditions, needs, challenges and opportunities; refine objectives
Jun 6, 2013	TAC	**Phase 1, meeting 2** Discuss approach for identifying and evaluating potential projects; discuss process for integration, prepare to issue call for projects
Aug 1, 2013	TAC	**Phase 2, meeting 1** Summarize potential project proposals, review opportunities for integration, and discuss process for project screening and prioritization

Anticipated Meeting Schedule

Date	Meeting	Description
Jan/2013	Staff	Internal Project kickoff w/ consultants
Feb/2013	TAC	General update/what's next
Mar/2013	TAC	Official kickoff. Introduce consultant team, discuss stakeholders, process
Apr/2013	TAC	Current conditions, future conditions, discuss Basin Management Objectives
Jun/2013	TAC	Approach for identifying & evaluating projects,
Aug/2013	TAC	Summarize project proposals, process for project screening/prioritization
Aug/2013	Board	Update on project; summarize work done so far
Oct/2013	TAC	Select & prioritize projects
Dec/2013	TAC	Final project prioritization; discuss documentation
Jan/2014	Board	Summarize project selection process
Feb/2014	TAC	Finance Plan and performance monitoring
Apr/2014	TAC	Present Public Review Draft IRWMP
Jun/2014	TAC	Present Final IRWMP
Jun/2014	Board	Public Hearing
Jun/2014	Board	Adopt IRWMP

Background work has already begun on some components of the IRWMP

- Flood management data gathering
- Salt/Nutrient Mgt Plan data gathering
- Climate Change modeling (Reclamation)
- Public outreach strategy
- IRWMP Website

The most current information and documentation will be posted on our IRWMP website

(web address coming shortly!)

Questions?

Mojave Water Agency
Update of Integrated Regional Water Management Plan

TAC Meeting #1 – Summary

March 5, 2013
MWA Headquarters
Apple Valley, CA

Meeting Purpose and Overview

The regional kickoff was the second of nine scheduled meetings of the Technical Advisory Committee (TAC) or Stakeholders Group for the MWA Area IRWM Plan Update project. The primary purpose of the meeting was to invite all potentially interested stakeholders to learn about and begin participation in the IRWM Update process. Fifty-two individuals completed the meeting sign-in sheet. Major topics addressed during the meeting included:

- Purpose for Updating the IRWM Plan
- Introduction to Integrated Regional Water Management
- Overview of the Update Planning Process,
- Approach for Developing the Plan, including Schedule
- Opportunities to Participate
- Conversation about Challenges and Opportunities

Ken Kirby, of the Kirby Consulting Group and a member of the Kennedy/Jenks consultant team, served as the facilitator for the meeting.

Why Are We Doing This?

Following the welcome and introductions led by Kirby Brill, General Manager of MWA, Lance Eckhart, MWA staff, opened the meeting by describing why an update of the Mojave IRWM Plan was needed at this time. He explained that the IRWM Plan will address where we all want to go as a Region, what needs to be done to get there, and that an Update is required to qualify for funding grant opportunities from the State.

Ken Kirby followed by inviting all those present to think of the IRWM update process as a conversation in which their active participation was needed to make it productive for all involved in the Region. Mr. Kirby also expanded on the reasons for the IRWM Plan Update, including that it is required to qualify for Proposition 84 funds. He added

that it will be important to demonstrate transparency and commitment throughout the planning process and that the updated IRWM Plan will address such topics as shortages caused by the drought, will serve as the basis for understanding how future projects will impact water quality and the water supply, and that it is an opportunity to build on what has been accomplished since the last IRWM Plan and refine the long-term vision for the Region moving forward.

Introduction to Integrated Regional Water Management

Mary Lou Cotton, the IRWM Plan Update project manager from Kennedy/Jenks, provided an overview of the IRWM Plan program beginning with the history of this California statewide program, and the fact that the Mojave Region completed its first IWRM Plan in 2004, which was then adopted in early 2005. Her presentation then showed the geographic region now covered by the Mojave IRWM Plan and its relation to other neighboring IRWM regions.

Ms. Cotton also summarized IRWM Plan guidance from the Department of Water Resources. She highlighted new or updated elements such as objectives must be measurable, new governance standards, a new project review process, the relation to local water planning, and climate change (both adaptation to climate change effects, and mitigation of greenhouse gas emissions). Her presentation concluded with a reminder of opportunities to receive funding, including both Prop 84 IRWM planning and implementation funds ($1 billion statewide), and Proposition 1E stormwater flood management ($300 million). In all cases, a funding match is required to qualify.

Mojave Region IRWM Planning Process

Both Ken Kirby and Lance Eckhart provided an introduction to the Mojave IRWM planning process, including the governance structure for the IRWM Plan, which is defined by the Regional Water Management Group (RWMG); a group of three or more local agencies, at least two of which have statutory authority over water supply or water management. The Mojave RWMG has been established through a memorandum of understanding to foster coordination, collaboration and communication between the agencies that have formed the RWMG:

- Mojave Water Agency (MWA)
- Victor Valley Wastewater Reclamation Authority (VVWRA)
- Technical Advisory Committee (TAC)

- Mojave Desert Resource Conservation District (MDRCD)
- Morongo Basin Pipeline Commission

The development of the IRWM Plan will be carried out by the Project Team, which consists of three different groups. This includes the Coordinating Committee, formed by two representatives from each member of the RWMG, which will guide the development of the IRWM Plan. Alongside the Coordinating Committee, other members of the Project Team include the private firms that make up the Consultant Team and participants from local public agencies that volunteered to assist in the planning process.

The Mojave Water Agency is managing the consultant contract. All of these groups, together with all interested stakeholders form the IRWM Stakeholders Group. The decision-making process for the Stakeholders Group will work toward achieving broad agreement, but when that is not feasible, the Stakeholders Group members will be asked to vote. In those cases, a majority vote will provide direction, but does not supersede the decisions of elected officials. Input provided by stakeholders is essential for the IRWM planning process. Ken Kirby stressed that stakeholders will participate as equals during planning meetings, and are expected to adhere to a code of conduct which includes the following four elements:

- Be willing (participate fully)
- Be kind (treat others with dignity and respect)
- Be open (consider new ideas and perspectives)
- Be truthful (share accurate facts about your situation)

Questions raised by meeting participants at this time included:

- Did the new guidance from DWR have any impact on the IRWM planning budget?
    - The new guidelines required only minor adjustments to the budget.
- Will Coordinating Committee meetings be open to the public?
    - That is still to be determined but it is likely once the committee members have been selected and can reach a decision on that matter.

As part of the planning process, Ken Kirby presented draft goals for the IRWM planning process, i.e. specific things they would like to accomplish by the end of the planning process *(see attachment)*. These are distinct from the goals that will later form

the IRWM Plan itself. In response, participants had a large number of questions, comments and suggestions:

Participation of Disadvantaged and Other Communities in the IRWM Plan Update Process

- Do we know who makes up the disadvantaged communities (DACs), and do we have maps showing their locations and geographic boundaries?
- Does the IRWM Update Process represent an opportunity to include unincorporated areas in the Region that lack commercial codes?
- Will this provide an opportunity for rural areas to improve their water conservation efforts?

Role of Smaller Agencies

- What is the relationship between the IRWM Plan update process and mentoring as described in draft planning process goal #5?
    - It is intended strengthen staff capacity for implementing the IRWM Plan, including learning more about how and where to access funding options.
- Will it be possible to use the IRWM Plan update process to help smaller agencies that do not have a lot of resources?
- Will it be possible to expand planning process goal # 9 to include providing expertise and knowledge on how to obtain needed financial resources for agencies too small and busy to seek these out on their own?

Questions About the How the IRWM Plan Update Process Will Be Conducted

- If interested in being on the project team, who do we contact?
    - Contact Lance Eckhart
- Will the decisions of the TAC require formal votes or informal agreements?
    - In most cases, the TAC will strive to reach decisions through informal, broad agreements but where that is not feasible will ask for a majority vote of meeting participants.
- There are concerns about the accuracy of water budget numbers that will be relied on for the development of the IRWM Plan.

Additional Planning Process Goals that May Be Missing and Other Suggested Changes

- The IRWM Plan needs to be founded on solid data and good science.
- It will be important to identify barriers to resource management strategies and be creative in developing approaches in response.

- The planning process goals should consider the effects of water treatment and the ramifications of storm drainage and water runoff on water quality and supply.
- The planning process should consider emergencies and other potential disruptions to the water supply
- Another goal of the IRWM planning process should be to provide enough information to support local land use planning and decision-making, as these decisions can have such a profound impact on both water quality and water supply in what is a geographically isolated, watershed. For this reason, it will be important to invite San Bernardino County and the Colorado Board to participate in the planning process.
- The planning process should consider the transportability of water.
- The IRWM Update Plan is necessarily a forward looking plan but it will also be important to make sure we continue to manage and maintain the existing water system infrastructure.

Approach for Developing the Plan

Following the plan process discussion, Ken Kirby described the development of the IRWM Plan itself as an iterative process. Each Stakeholders Group meeting will be organized around Plan topics. Discussions during Stakeholders Group meetings will help frame the topics. Following each meeting, draft Plan content will be developed by the Project Team and then presented for further review, discussion and refinement at the next Stakeholders Group meeting; or series of meetings until content for that topic is finalized to the satisfaction of the Stakeholders Group. In this way the Plan is being written topic by topic throughout the planning process, rather than all at once in the final phase of the planning process. As part of this discussion, Mr. Kirby directed attention to a series of handouts including the topics scheduled for each planned meetings of the Stakeholders Group, the IRWM Plan Schedule, and more detailed information on what is covered by each topic that will be addressed by the Stakeholders Group, which will form the content for the IRWM Plan.

Opportunities to Participate

Yvonne Hester, the Community Liaison Officer for the Mojave Water Agency, described multiple opportunities that are being developed to encourage public participation in the IRWM Plan Update planning process. Beyond participating in meetings of the Stakeholders Group or upcoming community workshops, technology will be used to extend outreach to those unable to physically travel to these meetings. Interested

members of the public will have on-line access to documents and other resource materials on a new website that has been established specifically for the Mojave IRWM Plan Update, which can be accessed at mywaterplan.org. In addition to the document library, it will serve as the platform to provide comments, for questions and answers, a survey, and webinars. Both Facebook and Twitter will be utilized to drive interested members of the public to the website. Those interested in providing input on draft materials and other aspects of the IRWM planning process can do so through the following email address: comments@mywaterplan.org.

Among questions at this time:

- How will disadvantaged communities (DACs) be integrated into the planning process?
    - We are still in the process of determining what will be the most effective way to engage the DACs. Making sure input from the DACs is available during a phase in the planning process where it will have the most useful impact is important. We are currently in the process of identifying and contacting groups and representatives in the DAC to help develop the most effective outreach approach. This may include piggy-backing the three planned DAC workshops on existing meetings or other events already scheduled in these communities.

Development of Plan Objectives (Begin the Conversation)

Ken Kirby began the Plan Objectives topic by reviewing existing objectives from the 2004 IRWM Plan and presenting the characteristics that define good (or SMART) objectives. Objectives developed for the Mojave IRWM Plan will need to be Specific, Measurable, Attainable, Relevant and Time-Based to

In response to a quick review of the existing 2004 IRWM Plan objectives, some participants raised the following points:

- Adjudication of water rights is a major factor that needs to be addressed.
- The IRWM Plan Update planning process will need to address the impact of the Mojave Basin Judgment.

Challenges and Opportunities

To begin the process of identifying potential objectives for the IRWM Plan Update, Ken Kirby invited all to participate in an exercise where they were asked to describe items they believed should be addressed in the IRWM Plan. Meeting participants were provided sticky notes to write down one item, either a challenge or an opportunity. Only one item per sticky note was allowed but they could submit as many as they wanted. These were posted on a wallgraphic and then organized around common themes or topics. They are presented below exactly as written by the participants.

<u>Governance and Land Use</u>

- Level of importance for identical competing projects for a finite amount of grant funding
- MWA and County not on the same page.
- Integrate with Capital County Vision Plan-Water Section
- Will there be any type of protection against selling of H20 as in Cadiz?
- Dealing with existing and future agency (city, county, csa's) water master plans for consistency with the plan
- Interagency involvement (involve affected government agencies)
- For financing use sphere of influence of cities to provide tax base for funding programs and projects
- Water planning = land use planning
- Input from large water producers/users (private) within your district boundaries
- Coordinated regional effort that have common goals and objectives
- Land use allegations
- Regional community participation engagement
- Increased competition for water use with land use growth e.g. housing, business
- What responsibility do Watermaster entities have for over pumping or ...does MWA cover with water?
- Engaging the public in an apathetic society
- Using new laws implemented in Cal. in 2014 all homes (residential) must have water efficient i.e. shower heads toilets hot water heaters to be able to sell or buy. Starting age of home 1980's or older.
- Viable and competitive projects could get buried in bureaucracy when multiple jurisdictions are involved in approvals i.e. County Land Use, Flood Control, DFG/BLM etc. Need to coordinate up front.
- Need for enforcement of existing rules/laws in rural county areas.

- Getting Colorado WQCB to participate. They will be focused on the lower desert - possibly putting most of its $ allocation to those areas - paying little attention to our area.
- Use the IRWM Plan to inform/formulate good land use practices that are protective of water quality and supply

Emergency

- What steps can be taken to reduce the impact of an earthquake on the availability of water
- Management plan in the event of a disaster "emergency plan"

Disadvantaged Communities (DACs)

- DAC priorities "What's available to DAC?"
- How can Disadvantaged Communities get help on smaller projects?
- Mutual water company in Disadvantaged Community in need to new well
- Private well owners concern over well regulation. Disadvantage Community
- How to provide clean water to the Hinkley Community (new complete system)
- Disadvantaged community without pressurized water supply (rely on hauled water, dev. code prevents building)
- MWA-MABWA provide an organization citizen involvement of minimal producers in organization process 1,300 minimal producers 190-MABWA major area 10 acre-feet. Minority-majority people need a voice (? illegible?)
- Rural disadvantage areas re: MAWA-Baja Subarea increase importation of state water to reduce yearly over drafting of water table
- Education for minimum producers as in our area (Newberry Springs) how it works is almost 100% unknown
- Small systems taking advantage of unknown opportunities or not having ability to apply
- Address needs to supply water to DACs, such as water line upgrades

Cost of Water

- Rising costs for pumping and transporting water
- How can reduce the cost of water per household on both the supply and demand side so as to make the high desert more attractive to live in
- Lower water rates
- Increasing energy costs

Water Supply

- Stop loss of water out Afton Canyon to benefit loss of land and infrastructure and replenish Baja Basin
- Availability of water for future residential, commercial, or industrial growth
- Maintain water availability for minimal producers including all of those who impact water use and supply into the Region
- If and when the H2O runs out... then what ?
- Regional water shed protection program doesn't exist (at least in Morongo Basin)
- Increased groundwater storage and recovery facility.
- Future water use by both private and business
- Limited water supply
- Water-Import Export
- Funding infrastructure needs such as pipe replacement
- Reduction in water available for irrigation

Water Conservation

- Workable and enforceable water conservation ordinance for unincorporated areas of the MWA jurisdictional boundary
- Still continue to work and update water wise landscaping-programs incentives for investors or owner occupied
- Ag conservation programs
- Water conservation incentive for rural, unincorporated areas ex. cash for grass is not applicable. Existing irrigation change over to a more efficient (water and power)
- Water conservation and the implementation of dual plumbing into land use planning
- Coordinating and managing conservation and DMM requirements. (AWAC used to play a major role in this effort)
- Gray water education
- Rain water harvesting

Water Quality

- Improper abandonment/destruction of private water wells (threat to WQ)
- Plan to improve water quality in areas where no $ to investigate/implement cleanup
- All flood control projects are an opportunity to save water and enhance water quality
- Septic tanks

- How will septics be replaced by sewer systems? (less than an acre plot)
- Increased business expense to comply with water quality regulations
- Groundwater contamination from previous and current business
- Elevated uranium in pipes sub basin(Ames Valley)
- Injunction against diverting storm flows?
- New Chromium to regulations coming within a couple years. Small groundwater systems will be impacted most.
- Continued deterioration of water quality by naturally occurring constituents i.e. arsenic etc. will additional treatment be anticipated

Delta

- What effect does state on water supply to agencies?
- Increasing cost of SWP Water
- Decreasing SWP supply due to Bay-Delta issues
- Delta environmental issues (pumping and earthquake)
- Ability to take large volumes of imported water quickly
- Delta fix

Reclaimed Water

- Need for reclaimed/recycled water in Barstow area
- More focus on recycled water use for irrigation and industrial uses
- Reclamation of storm water and wastewater

Recharge

- Determine feasibility of capturing storm water for recharge
- Off river recharge
- Water bank in High Desert for downstream aqueduct users as protection against state water project hazards (delta, national disaster, infrastructure failure etc. Apply a small "tax" on the banked water to boost local supplies long term.
- ASR through existing infrastructure during off season wet periods (winter)
- Growth may lead to increase capacity of Ames/Reche Recharge Basin for participants
- Combine land use and recharge (i.e. recharge pond and rec. lake)

Stormwater

- Run-off water conservation
- Mitigating storm water runoff damage from increased "100 year storms"

- Extreme wet weather flows sends water past Agency boundaries that could otherwise be captured and recharged at a later date for beneficial use
- Is there a way flood control can be used to recharge the water supply locally
- Storm water detention (San Bernardino County Flood Control District)
- Storm water capture

Climate Change

- Extreme wet weather flows causes flooding damage
- Effects of climate change on water availability and use

Judgment Including Water Rights

- Look at the effects of upstream pumping on the lower basins- specifically Baja
- Address the economic impact of the reduction of water (rampdowns) in the Baja basin, particularly in regards to farming. Please not that this is a very rural basin - no "cities "
- Would like to see the Judgment work as was intended for Baja
- Moderation of water rights purchases by investors
- What effect has adjudication had on ability to manage groundwater basins?
- No benefit to be a stipulator in Baja
- Pumping water outside the Judgment
- Expand Judgment bio fund beyond riparian areas
- The Judgment was not supposed to put people out of business or destroy property values
- Rural areas (1). MA Watermaster-Baja Subarea reduce over drafting of groundwater from 10,000 af per year to zero (2.) Reduce allowable carryover water from 2 years to 1 year (3) No selling or transfer
- Rampdowns alone are not the way to manage the water efficiently and can be very detrimental to an already deprived area.
- Mojave River-Reduce upstream over drafting so traditional water levels in Mojave River in Baja Subarea can be restored
- Retire water rights
- How can the Adjudication be classified as Disadvantaged Area- yet there are 1,300 Disadvantaged Minimal Producers

Conclusion and Next Steps

Following the challenges and opportunities exercise, all who had attended the meeting were invited to stay involved and to let others know who may also want to participate.

The next meeting is scheduled to take place on April 4 from 10 am to 1 pm and will again take place at MWA headquarters in Apple Valley.

The April 4th meeting will build on results from today's workshop, including the challenges and opportunities identified by stakeholders which will facilitate the identification of objectives for the IRWM Plan Update. The meeting will also focus on the description of the Region, current and future conditions in the Region, and serve as a kickoff for the Salt & Nutrient Management Plan, which is being developed concurrently with the IRWM Plan Update.

MEETING SIGN-IN SHEET

TECHNICAL ADVISORY COMMITTEE

MARCH 5, 2013
10:00 A.M.

MOJAVE WATER AGENCY BOARD ROOM
13846 CONFERENCE CENTER DRIVE
APPLE VALLEY CA 92307

The signing, registering, or completion of this document is voluntary. All persons may attend this meeting regardless of whether they sign, register, or complete this document.

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Dennis Staley	Bighorn DVWA		
Don Bartz	PPHCSD		
Paul Harmon	HCSD		pharmon@helendalecsd.org ✓
Ryan Ober	VVWRA		
George Cardenas	PPHCSD		
Tom Thornton	ADELANTO		
Richard Selby	ESTE		
AL Calvert	Century 21 Fairway		
Joe Saltmeris	Apple Valley View mutual		
MARINA WEST	BDVWA		

TAC MEETING – MARCH 5, 2013

NAME	REPRESENTING	ADDRESS	EMAIL
Tony Culver	HDWD		
Henry Godwin	Center Water Co.		
Jim Ellen Johnson	BAJA		
Bob Inasly	TAC Ex Comm		
WAYNE SNIVELY			
LINDA SNIVELY			
Miller Rader	Center Water, LV		
Kevin Schmidt	VVWRA		
CHARLIE JOHNSON	PPHCSD		
Bob Shested	Silver Lakes		
Michael Bonner	Silver Lakes Assn.		
MONA SADEK	COUNTY OF SB		
STEVE SAMARAS	SB COUNTY WAS		
ROBERT ELAND	SB COUNTY WAS		
Rudy Rodriguez	KW Realty		
Jeanette Dejong			
Chuck Bell	Lucerne Valley		
Dan Heimann	BIA-DV		

TAC MEETING – MARCH 5, 2013

NAME	REPRESENTING	ADDRESS	EMAIL
Steve Ashton	COV		
Ron Barbieri	OBC		
Bo Gault	WAR		
Ron Becker	El Mirage MAC.		
Holly Shimizu	USDA NRCS		
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Jane Troup	S.B. County EHS		
Jessica Ballesteros	S.B. County EHS		

TAC MEETING – MARCH 5, 2013

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JEANETTE HAYHURST			

Mojave Region
Update of Integrated Regional Water Management Plan

Stakeholder Group Meeting #2 – Summary

April 4, 2013
Mojave Water Agency Headquarters
Apple Valley, CA

Meeting Purpose and Overview

This was the second of nine scheduled meetings of the Stakeholder Group for the Update of the Integrated Regional Water Management (IRWM) Plan for the Mojave Region. The purpose was to review and build on work from the first meeting of the Stakeholder Group on March 4, 2013 as well as to introduce new topics for discussion. Thirty-seven individuals completed the meeting sign-in sheet, with the California Department of Water Resources (DWR) staff person (Tracie Billington) and the Colorado River Regional Water Quality Control Board (RWQCB) staff person (Jon Rokke) calling in via conference call.

Several topics were addressed during the Stakeholder Group meeting, including:

- Provide an Overview of the Planning Process
- Present Updates to Planning Process Goals
- Discuss Challenges and Opportunities of the Mojave Region
- Present the Mojave IRWM Plan Outline
- Introduce Current and Future Conditions of the Mojave Region
- Introduce Preliminary Draft Mojave IRWM Plan Objectives
- Discuss Recommendations made by DWR Regarding Changes to Mojave IRWM Region Boundary

This meeting also included the first presentation related to preparation of a Salt & Nutrient Management Plan, which is being developed in conjunction with the IRWM Plan Update.

Ken Kirby, of Kirby Consulting Group and a member of the Kennedy/Jenks consultant team, served as the facilitator for the meeting.

Establishment of the IRWM Region

The meeting began with introductions led by Scott Weldy, Chairman of the Technical Advisory Group (TAC) to the MWA. The Stakeholder Group was then asked to consider a motion to authorize the TAC Committee Chairman to sign the Memorandum of Understanding (MOU) that establishes the Regional Water Management Group (RWMG) of the Mojave Region IRWM Plan. The RWMG will consist of the following five agencies:

- Mojave Water Agency (MWA)
- Victor Valley Wastewater Reclamation Authority (VVWRA)
- Technical Advisory Committee to the Mojave Water Agency (TAC)
- Mojave Desert Resource Conservation District (MDRCD)
- Morongo Basin Pipeline Commission

The motion was carried through a showing of hands with all voting in favor.

The Stakeholder Group was then reminded that the RWMG will guide the development of the IRWM Plan through a Coordinating Committee, consisting of two representatives from each member of the RWMG. As representatives have already been designated from the other four members of the RWMG, the Stakeholder Group was asked to authorize the recommended representatives from the TAC, which they did. As a result, the full Coordinating Committee will consist of the following representatives, one of whom is the designated representative and the other who serves as an alternate.

- MWA – Kimberly Cox, Kirby Brill
- VVWRA – Logan Olds, Ryan Orr
- TAC – Scott Weldy, Jeanette Hayhurst
- MDRCD – Chuck Bell, Paul Johnson
- Morongo Basin Pipeline Commission – Bob Stadum, Frank Coate

Recap of Kickoff Meeting

Ken Kirby began by reviewing the summary from the March 4, 2013 kickoff meeting and stating that all meeting summaries, handouts, presentations and other information from that meeting and all upcoming meetings can be accessed at the Mojave Region IRWM Plan website, www.mywaterplan.com. Mr. Kirby emphasized that plan development will be an iterative process with multiple opportunities to weigh in on content, topic by topic, over the coming months before the Plan is finalized.

Tim Gobler from MWA provided a tour of the website which was projected onto a large screen.

Mary Lou Cotton from Kennedy/Jenks reviewed the plan development schedule, including the completion date which is July 2014. Ms. Cotton then turned the meeting back over to Ken Kirby, who reminded the group of the respective roles of all participants in the Plan Update process. These participants include the RWMG, Mojave Water Agency, Stakeholder Group and the Project Team. The Project Team is responsible for developing content for the Plan and includes people from the Coordinating Committee, the Consultant Team and Participating Agency Staff.

Updates to Planning Process Goals

During the regional kickoff meeting on March 4, 2013, the Stakeholder Group had been asked to consider draft goals for the IRWM planning process, which were specific things they would like to accomplish by the end of the planning process. These planning process goals had been revised in response to comments and suggestions provided by participants at that time. Ken Kirby introduced these changes to the planning process goals, which are highlighted in handout #1, available on the IRWM Plan website. No additional questions or suggested changes were provided by meeting participants at this time.

Challenges and Opportunities

In the previous Stakeholder Group meeting, participants wrote down their ideas for challenges and opportunities that they believe the IRWM Plan should address, and they posted them on a wall in the meeting room. All of these suggestions were grouped into common themes and then transcribed as written by the participants. This list of suggestions was reviewed by Ken Kirby (see handout #2a), who then a presented a draft synthesis of these challenges and opportunities (see handout #2b) that had been prepared by the Project Team. The challenges and opportunities will be used to draft the Plan Objectives. Nine major themes emerged from this synthesis of challenges and opportunities, consisting of the following:

- Coordination
- Engagement
- Disadvantaged Community Needs
- Water Supplies
- Water Quality

- Finance and Affordability
- Risk and Uncertainty
- Judgment and Water Rights
- Project Ideas

This summary of challenges and opportunities led to a variety of comments, questions and suggestions from meeting participants:

Engagement

- A pro-active approach is required to encourage engagement by all those who can benefit from the IRWM Plan but who may not yet recognize or understand that.
- It is essential that efforts be undertaken to identify critical groups that might be missing from the process.
- Outreach to these groups must clearly explain what is in it for them.
    - As an example, there are 13 minimum water producers in the Baja subarea who do not know they are minimum water producers, why they should participate in the IRWM planning process, or how they can participate.
- One idea to reach people was to send outreach letters inviting all the Community Services Districts (CSDs) in the rural areas.
- Ensure that both the Colorado River RWQCB and the Lahontan RWQCB are participating in the IRWM planning process.

Disadvantaged Communities (DACs)

- In response to a map of the Mojave Region showing the locations of all the disadvantaged communities, it was noted that almost the entire area appeared to be classified as a DAC, and that there were only a few exceptions. Is that correct?
    - It was explained that the map showing DACs throughout the Mojave Region, was based on a combination of Census Block Groups, Census Tracts, and Census Designated Places. The Project Team will review the map and make sure that it is accurate.
- Residents in Hinkley may not realize that they are classified as a DAC.

Water Supplies

- The challenge to "expect increasing competition between different water uses in the region" appears to conflict with the goal of increasing cooperation.
    - These challenges represent what people feel to be true for the Region now. Both of these challenges seem to be true now.

    - One of the purposes of the IRWM planning process is to work toward solutions that will reduce conflict and enhance cooperation.

Water Quality

- What "new regulations" are you referring to? It was discussed that the issue was drinking water contaminants.

Finance and Affordability

- Proposed water rate increases will inspire public interest.
- It is important to be creative while addressing challenges and opportunities, i.e. to propose possible projects/solutions, without initially determining a revenue source for the effort.

Project Ideas, Other Suggestions, and Clarifications

- Prospective project proponents should recognize that some projects likely will not qualify for grant funding through DWR and Propositions 84 and 1E, and some projects may qualify for funding sources other than DWR's current grant programs.
- Introduce the concept of "Resource Management Strategies" by providing a link on the Mojave Region IRWM Plan website to the resource management strategies described in DWR's California Water Plan.
- One of the great challenges and opportunities we face is trying to balance the need to capture stormwater while also successfully managing flood risk.
- A challenge that appears to be missing – capturing contaminants before they can enter the water supply.
- How will projects be prioritized?
    - A great question; that topic will be tackled in the next meeting.
- One difference for this Plan update from the previous plan is that MWA may not be the lead project proponent for projects included in the Plan. It is hoped that some high priority projects will be implemented by proponents other than MWA.
- Concern expressed about moving water outside subareas and even outside the region, i.e. exporting water for sale.
- The IRWM Plan will need to address the problem of water pumping that is not in alignment with the Judgment. This is associated with new producers that were not in existence at the time of the adjudication.
- Alternative water conservation methods are needed in the Baja subarea.

IRWM Plan Outline and Current/Future Conditions

Mary Lou Cotton provided a brief review of an updated version of the proposed outline for the IRWM Plan (handout #3). She explained that the outline identifies the content that will be included in the Plan. The updated Plan will recycle everything possible from the 2004 Plan, but it must also comply with new IRWM Plan guidelines defined by Propositions 84 and 1E.

Following the overview of the Plan Outline, Sandra Carlson, also from Kennedy/Jenks, explained in detail some of the content required for the Plan; current and future conditions of the region (handout #4). Specific topics included land use, species and habitat of special concern, water supply, water quality, and flood management. One of the only questions at this time was to clarify the meaning of "wastewater imports," which was featured in the water supply table.

Preliminary Draft Plan Objectives

Ken Kirby referred to handout #5 which presented fourteen preliminary draft Plan objectives. He explained that the objectives from the 2004 IRWM Plan would no longer satisfy new DWR guidelines, which require that objectives be measurable, and preferably quantifiable. Also, given the importance of the objectives, the group will devote a considerable amount of time to the objectives during the Plan development process. Questions and comments included:

- What should be the long-term planning horizon referred to in objective #1?
    - 2035 was suggested for consistency with MWA's recently completed 2010 Urban Water Management Plan.
- Protecting ephemeral washes (which have multiple benefits) from development should be included as part of the objective to protect and restore riparian habitat areas.
- How are objectives different from goals?
    - Goals provide a long-term direction for the Plan, but are probably never fully attainable, while objectives are more short-term and measurable.
- Are goals required for the Plan?
    - Some people think that identifying goals is a clarifying step required to help determine objectives.

DWR Recommendations Regarding Changes to Mojave IRWM Region Boundary

When DWR accepted the Mojave Region as part of the Regional Acceptance Process (RAP), DWR "strongly suggested that the Mojave RWMG expand their Region boundary to include the upper watershed (Lake Arrowhead area) and the lower watershed (Afton Canyon). DWR also encouraged the Mojave RWMG to continue efforts to reach out to the Twentynine Palms area and to continue coordination and cooperation regarding the minor overlap areas with the Antelope Valley IRWM Region." Some of these areas are not included within any other IRWM region.

Early in the meeting the question was asked as to what are the benefits of adding areas outside the MWA service area.

- In order to be more hydrologically inclusive and aligned, DWR wants IRWM regions to reflect natural watershed boundaries rather than political ones.
- Areas that are not part of an IRWM Plan will not qualify for Proposition 84 funding.

To accommodate DWR's suggestions and to further answer this and other questions, Tracy Billington from the DWR, called in to the meeting and participated via a speaker phone.

- Will expansion of the IRWM boundary require the annexation of water agencies operating in those regions?
    - The boundaries of water service agencies are not affected by changes in the boundaries of the IRWM region.
- Have there been any discussions with the Bureau of Land Management about including the Afton Canyon Region in the Mojave IRWM Region?
- A representative from the Twentynine Palms Water District stated there was interest in participating in the Mojave Region IRWM process.
- A representative from the Lake Arrowhead Community Services District stated the District is interested in improving communication between upstream and downstream areas; recognizing at this time they do not yet know the needs of the downstream region.
- The key questions for communities within the existing Mojave IRWM Region and those in the outlying areas: what are they committing to and what are the benefits of joining?
    - Changes to the Mojave IRWM Region boundary would affect all agencies within the area.
    - Areas added to the Mojave IRWM Region could submit projects for inclusion in the IRWM Plan and those projects may qualify for implementation grants from DWR.

- DWR believes the recommendations could enhance water management within the Region as the Mojave IRWM Region will then be aligned with the natural hydrologic boundaries of the watershed.

Salt and Nutrient Management Plan Overview

Phyllis Stanin from Todd Engineers, a member of the Kennedy/Jenks Consulting Team, presented an overview of the Salt and Nutrient Management Plan (SNMP) process.

- Key technical components of that process include:
    - The stakeholder process
    - Goals and objectives
    - Conceptual model
    - Water quality and assimilative capacity
    - Salt and nutrient balances
    - Future water quality
    - Anti-degradation analysis
    - Monitoring program
    - Implement measures

Ms. Stanin pointed out that a great deal of prior research work has been done in this Region, so they already have a solid data base to build upon. While describing the salt and nutrient loading hydrologic process, it was explained that one key benefit of this project is to make sure that future efforts to increase the water supply do not at the same time inadvertently introduce contaminants (artificial or natural) that damage water quality.

The technical analysis will utilize the STELLA software model to project salt loading and mixing in 22 groundwater sub-regions in the Mojave Region over a 70 year period. Existing data collected in the Region will be used to establish baseline conditions for salt and nutrient loading in each of these sub-regions. Ms. Stanin explained that although the nutrient loading process is understood in general, it is a very complicated process involving a number of sub-process/elements, so in each sub-region it is difficult to know which portions of the nutrient loading process are actually happening and to what extent the processes are happening.

A key outcome of the SNMP process will be determining the available assimilative capacity of total dissolved solids (TDS) in each of the 22 sub-regions. An area could be deemed to have no assimilative capacity if the existing average groundwater quality

exceeds the water quality objective for TDS. In contrast, areas where TDS levels are below the water quality objective do have assimilative capacity. Proponents of proposed projects that are projected to take up all the available assimilative capacity in a sub-region will need to make the case for why their project should proceed, as it will preclude opportunities for any other projects in that sub-region.

During this presentation, a staff representative (Jon Rokke) from the Colorado River RWQCB was listening via a phone conference line. In addition, Mike Plaziak, agency staff from the Lahontan RWQCB, attended the meeting. In response to this presentation, several questions and comments were raised by the audience. Mike Plaziak (in conjunction with the Colorado River RWQCB staff) assisted by volunteering to address some of the questions raised in the audience, which are listed below:

- What date will be used for baseline salt/nutrient loading conditions – today's date or an earlier point in time?
    - Data that has been collected over the previous five years will be used to determine an appropriate baseline date.
- What is the impact of salt carried into the Region from imported water?
    - The SNMP takes the impact of all sources of salt into account.
- Will this study fill the need for the Local Area Management Plans (LAMPs)?
    - The SNMP will do some of the heavy lifting in terms of data analysis and projections, but each jurisdiction will still need to do their own particular LAMP if they require one.
- Will it be possible to adjust LAMP deadlines while waiting for results from the SNMP?
    - Yes, MOUs are still in effect through 2016.

Conclusion

Ken Kirby wrapped up the meeting by asking members of the Stakeholder Group to review and provide comments by April 18, 2013 on all the materials and information presented during the meeting, all of which will be posted on the website. In particular, this included drafts of the:

- Challenges and opportunities
- IRWM Plan outline
- Information sheets
- IRWM Plan objectives
- Mojave Region boundary approach

The next meeting of the Stakeholder Group is scheduled for June 6, 2013. Three public meetings will likely be scheduled to take place on days leading up to and including this meeting. Materials for the June 6 meeting will be posted to the website one week in advance.

Mojave Region
Update of Integrated Regional Water Management Plan

Stakeholder Group Meeting #3 – Summary

June 6, 2013
Mojave Water Agency Headquarters
Apple Valley, CA

Meeting Purpose and Overview

This was the third of nine scheduled meetings of the Stakeholder Group for the Update of the Integrated Regional Water Management (IRWM) Plan for the Mojave Region. The major purpose for today's meeting was to prioritize the objectives of the Plan Update and to present and discuss the proposed approach to identify, select and prioritize projects and programs. Between this meeting and the next Stakeholder Group meeting scheduled for August 20, a Call for Projects will take place beginning on July 1. The deadline to submit proposed projects is August 1.

Objectives for today's meeting included:

- Review progress to date
- Discuss Draft IRWM Plan Sections 1 and 2
- Status of Possible Planning Boundary Expansion
- Status of Salt & Nutrient Management Plan
- Approach for Project Identification, Screening, Selection and Prioritization
- Refine and Prioritize Plan Objectives

Sixty-seven individuals, including staff and consultants were in attendance. Ken Kirby, of Kirby Consulting Group and a member of the Kennedy/Jenks Consultant Team, once again served as the facilitator for the meeting.

Recap of Stakeholder Meeting #2

Ken Kirby began the meeting with a brief review of the April 4 stakeholder group meeting. During this 2nd meeting, stakeholders had reviewed the updated planning process goals for the IRWM Plan, which Mr. Kirby reminded the group, are now posted on the Mojave Region IRWM website: www.mywaterplan.com. During Meeting #2, Mr. Kirby also had presented a synthesized version of challenges and opportunities in the Mojave Region originally identified by the stakeholders during their 1st group meeting in March. The challenges and opportunities are seen as key for the development of draft IRWM Plan

objectives, which in turn will contribute to the criteria needed to prioritize proposed projects.

The update of the IRWM Plan will reflect both changed conditions in the Region as well as new guidance from the State. During the April 4 meeting, information about the intended updates to the IRWM Region Description were presented and discussed. The information is also available on the Mojave Region IRWM Plan website. An iterative planning approach will offer multiple opportunities throughout the 18-month planning process to review and provide feedback on the emerging Plan, section by section, rather than one large draft document in the final phase of the process.

Other topics addressed during the previous meeting had been the potential expansion of the Mojave IRWM Region planning boundary, and an update of the Salt & Nutrient Management Plan which is being developed in conjunction with the IRWM Plan Update.

IRWM Plan Draft Content – Sections 1 and 2

Mary Lou Cotton from Kennedy Jenks Consultants described the two draft sections of the IRWM Plan that are now available for review on the Mojave IRWM Plan website at: http://www.mywaterplan.com/irwm-plan-documents.html. Sandra Carlson, also with Kennedy Jenks Consultants, asked for a show of hands on how many had already visited the website, and a majority indicated they had.

Section 1, the Introduction, includes new text describing the Regional Water Management Group, and how the Plan will be developed and adopted. Section 2 is the Region Description. Although the content included in the previous Mojave Region Description section has not changed much since the last IRWM Plan, the updated Region Description includes new content required by the Department of Water Resources (DWR), such as land use, ecological process and environmental resources, demographics and population, disadvantaged communities and tribes in the Region, and climate change.

Mary Lou Cotton stated that guidance on how to provide feedback for these draft sections was described in Meeting Handout #1. Comments should be provided to the Plan Development Team via comments@mywaterplan.com. It was requested that comments be submitted either as a Word document or as email text with the handout # or section #, page #, and paragraph # included for each comment.

Status of Potential Mojave IRWM Region Expansion

Ken Kirby set the context for this discussion topic. In 2004, DWR had accepted the boundary of the MWA service area as the boundary for the Mojave IRWM Region (also sometimes referred to as the Mojave IRWM Planning Region). During the 2009 Regional Acceptance Process (RAP), DWR approved the proposed Mojave IRWM Region and at that time DWR strongly suggested that the Mojave Regional Water Management Group (RWMG) "expand their Region boundary to include the upper watershed (Lake Arrowhead area) and the lower watershed (Afton Canyon)."

If the Mojave RWMG decides to include the recommended geographic areas within the Mojave IRWM Region, these areas do not become a part of the MWA service area. It is important to DWR that the entire state by covered by an IRWM Plan, as any areas not part of an IRWM plan are not eligible to access DWR IRWM grant funds. However, DWR has emphasized in recent conversations that while DWR has "strongly suggested" that these areas be included, the decision of whether to include them is to be made by the stakeholders involved. DWR has requested that the Mojave RWMG inform DWR by letter of the decision about the potential expansion of the Mojave IRWM Region boundary and the reasoning associated with that decision.

Lance Eckhart and Tim Gobler from the Mojave Water Agency provided an update on the status of communication and coordination regarding this potential expansion of the Mojave IRWM Region that had occurred since Stakeholder Meeting #2. In general, a positive response had been received in response to letters that had been sent to stakeholders in these adjacent areas to see if they were interested in exploring the possible changes to the Mojave IRWM Region boundary further. This introduction and status update was followed by an extensive round of comments and questions from meeting participants, including the following:

- If the Mojave IRWM Region does expand into new geographic areas, will MWA then be required to financially assist and/or take the lead on projects that are located outside its service area?
    - The answer to that is no, MWA will not be required to assist with projects; however they could choose to participate if the proposed project provides benefits for the MWA service area. In fact, MWA does not even need to be the lead for IRWM projects within the current Mojave IRWM Region which currently coincides with the MWA service area.
- Who identified the new area boundaries?
    - DWR identified the target areas adjacent to the Mojave IRWM Region that they suggested be included. If the Mojave IRWM Region boundary is

changed, it will be the result of a collaborative process among stakeholders within the current Mojave IRWM Region and between stakeholders in these adjacent areas. At this stage, the Plan Development Team is exploring whether there is interest in expanding the boundary of the Mojave IRWM Region.

- There are many federal agencies located within the adjacent areas that are being considered for inclusion in the Mojave IRWM Region. Do we know what the implications or potential benefits of this might be?
    - It is difficult to know today but it does suggest that there could be advantages with federal agency participants. The DWR Prop 84 funding represents seed money and is not nearly enough to do all that is necessary in the Region, which likely will cost more than a billion dollars.
    - The real benefit of the IRWM Plan stems from identifying what we can do collectively working together with all the stakeholders to manage water and related resources to help the Mojave Region thrive over the long term.-
- Are these adjacent areas all unincorporated areas?
    - No, they include a mix of incorporated and unincorporated areas.
- Who is in charge of monitoring unauthorized water pumping in these areas?
    - Expansion of the Mojave IRWM Region boundary would not change the existing authorities now operating in these areas.
- What are the drawbacks of bringing these adjacent areas into the Region?
    - It will increase the cost of updating the Plan.
    - It means project proponents in these areas will be eligible to compete for DWR grant funding. (Although if the Mojave RWMG decides not to include the recommended areas, they may be able to establish another accepted Region and also qualify for IRWM grant funds.)
    - It was recommended that if the Mojave IRWM Region boundary is expanded that the recommended areas not be subdivided. In other words, if the upper watershed portion of the Mojave IRWM Region is adjusted, that it be adjusted to include the entire boundary of the upper watershed. And likewise, if the Mojave IRWM Region boundary is expanded to include the lower watershed portion of the Region, that the Mojave IRWM Region boundary be adjusted to include the entire portion of the lower watershed.
- Do these areas have to agree to be included and who in these areas is involved in that decision?
    - It is a joint decision. The current Mojave RWMG cannot impose the decision on stakeholders located within the areas recommended for inclusion.
    - A majority of the interested parties within these geographic areas will need to agree to the decision to join.

- What are some of the benefits of adding their projects to the Mojave IRWM Region Plan?
    - They will become eligible to receive currently available State grants and other future grants from the State.
    - The real long term benefit is to encourage integration by enabling stakeholders with similar projects to work together.
    - It is possible that DWR will view the Mojave Region more favorably by expanding into these adjacent areas located within the Mojave watershed, which could attract more funding to the Region.
- Given the likely increase in costs that will be incurred to develop the Mojave IRWM Plan with the addition of these adjacent areas, what will be the basis for allocating this additional cost to the new areas? Will it be on the basis of "incremental costs" versus their "fair share" of the additional costs (given their potential share of full IRWM Plan benefits)?
    - We will need to have a conversation to determine a reasonable and fair basis for allocating the additional cost that will arise.
- There is concern about what will be the win/win balance between new outside areas that may join the Region and areas located within the original Region. Are we diluting our potential share of future grant funding?
    - In fairness, there is going to be only one grant application from the Mojave IRWM Region and the Mojave IRWM Stakeholder Group as a whole will decide for the Region on the projects that will be included in that grant application.
    - Also, the currently available funds that the Mojave IRWM Region is eligible for is allocated across two funding areas: Colorado and Lahontan. Other IRWM planning regions within the funding areas will be competing for these same funds.
- What are the advantages for us?
    - Good planning
    - The mountain ranges are our headwaters. For that reason alone it is very important to include them in the Mojave IRWM Region.
    - We need to be concerned about the impact these outlying areas may already be having on our water quality (e.g. septic tanks in the Wrightwood area). So, working with them as part of an integrated planning process in search of collective solutions will be to our benefit.
    - We should recognize the progress that we have already made by working together as a Region and that our water resources are impacted by the plans in the upper watershed area. We will be better off as a Region if we can work with them.

    - We should simply see ourselves as one hand with many fingers; we can all benefit by recognizing we are already joined together in reality. An expanded Mojave IRWM Region simply reflects that fact.
- Are there other disadvantaged communities in these outlying areas?
- What will it cost us to participate? (question from a representative of Arrowhead, one of the adjacent areas that is being considered for expansion of the Mojave Region)
    - A cost estimate will have to be made following an inventory of water resource and infrastructure information available for the IRWM planning process; this is a task the Project Team will complete.

Status of Salt and Nutrient Management Plan

A brief update on the status of the Salt and Nutrient Management Plan (SNMP) was provided. Data being used for the SNMP will be provided in forthcoming meetings. The current challenge is synthesizing available data that now exists but in multiple different data sets that have been collected for different purposes and in different ways.

A key purpose of the SNMP is to determine the assimilative capacity for salt and nutrients of groundwater throughout basins in the Mojave Region. This is critical information that is needed to ensure the long term sustainability of the Region, and will help with the project selection process.

Approach for Project Identification, Screening, Selection, and Prioritization

Ken Kirby reviewed steps in the proposed process that will be used to identify projects, as outlined in Handout #2. This included explaining why identifying and then prioritizing Plan objectives is so important, as it will be very difficult to prioritize projects if the stakeholder group has not first prioritized objectives. The principal recommendation to prioritize projects is to assess the extent to which they contribute to the high priority objectives.

In addition to reviewing the proposed 11-step process for identifying projects, Mr. Kirby presented the proposed screening criteria that projects would need to meet to be included in the Mojave IRWM Plan, and the project review and prioritization factors that could be applied to projects that pass the screening criteria.

Mary Lou Cotton then introduced a matrix (Handout #3) that project proponents can use to help think about their proposed projects when putting together an application. The matrix is a tool designed to help project proponents to identify which Plan Objectives, as well as which IRWM Plan Preferences from DWR, their proposed project will address. It

also will help proponents to identify the California Water Plan Water Management Strategies that will be utilized by their proposed project.

Ms. Cotton emphasized that projects will be selected for inclusion in the Mojave Region IRWM Plan based on the proposed criteria; primarily the Plan Objectives identified and prioritized by the stakeholder group. Considerations about which projects to include in future grant applications will come into play later during the grant application phase, after the IRWM Plan has been developed and adopted.

Ms. Cotton then reviewed two proposed forms that are to be used by project proponents to submit their projects for consideration in the Mojave IRWM Plan. The Project Identification –Short Form (Handout #4) is a two page form that captures the minimum amount of information required to submit a project, although more information will likely be required at a later date. The Project Identification – Long Form (Handout #4b) is a more comprehensive form that can be used for well-developed project proposals. The deadline for submitting either project submittal form is August 1.

Questions and comments concerning the project identification and prioritization process included the following:

- What is meant by "integration" which is referred to in step #4 of the process?
    - The principle is to encourage project proponents to talk to each other about their ideas before submitting their projects. Talk first then submit.
    - There are three types of integration – (1) stakeholder/institutional integration where two or more agencies work together on a project, (2) resource integration where project proponents are sharing funding, personnel and expertise, and (3) project implementation integration designed to achieve multiple objectives.
- If a project idea is not technically feasible today but may be in the future should we go ahead and submit promising concepts to be explored in the future?
    - Yes
- Can Plan priorities change over its 25-year timeframe?
    - Yes. The Mojave IRWM Plan will include a process that details how the Plan can be updated in the future.
- Who will prioritize the projects?
    - The Project Team will review project submittals and make recommendations which are then presented to the Stakeholder Group for review, refinement and revision.
- Can we resubmit projects from the current IRWM Plan project list?

    - Yes
- Prioritization criteria reflects State and not Federal guidelines
- Now is the time to submit project ideas (e.g. Hinkley). If in doubt, submit it and we can discuss it later.
- Is the Plan a living document that will change as new funding sources become available?
    - Yes, the Plan can and will be updated as conditions change.
- How to get the County involved when needed to implement projects located in unincorporated areas?
    - We recommend that if you have an idea for a project or program that the County should be involved in that you approach the County and request that they participate in developing and submitting the project. If they do not respond, you can submit the project anyway, but it would be better to include them early in the process.

Refine Plan Objectives

Following the review of the project identification and prioritization process, Ken Kirby introduced the latest revised version of the IRWM Plan Objectives (Handout #5). Comments and questions concerning the list of 16 proposed objectives include:

- Concern was expressed about exceeding State conservation goals, as described by Objective #2. In the past, early adopters of water conservation often found themselves penalized by new conservation regulations. A new baseline was set after they had already implemented conservation measures (rather than before these measures went into effect), so they were more likely to fall short of the new targets and be penalized by higher water rates.
    - Kirby Brill, MWA General Manager, stated that the Mojave Region already meets State water conservation goals and that water conservation is an important goal for us as a Region. Ken Kirby added that water conservation is an important part of our overall portfolio of water resource management strategies.
- It was observed that there are possibly too many objectives and that they somehow be consolidated to reduce the number from the current sixteen objectives.
- Ken Kirby then asked the group to participate in an initial prioritization exercise for the proposed objectives. Objectives and projects can be ranked in terms of two factors i.e. their (1) importance and (2) urgency.
    - Importance reflects the relative significance or consequence of achieving a particular objective, when compared to the other objectives.

    - Urgency reflects the degree to which an objective warrants speedy attention or action, when compared to the other objectives.
- Objectives can be grouped into different tiers of priority based on whether they are of high, medium or low importance and high, medium or low urgency.
    - Objectives can be grouped in up to four tiers based on the intersection of importance and urgency
- It was observed by a participant that "urgency" seems to carry more weight than "importance"
    - Reflects the reality that timing is essential when responding to an urgent need or opportunity.
- The group was asked through a show of hands to indicate in which of four tiers they believed a particular objective should be grouped based on what they saw as its importance and urgency.
- Voting results are shown on the next page. There was not sufficient time during the meeting to vote on the priority for all Plan objectives.

Informal Vote on Revised Objectives for Mojave IRWM Plan – Results

URGENCY	LOW	MEDIUM	HIGH
HIGH	***TIER 2***	***TIER 1*** **Obj. 4** – (3 votes) **Obj. 2** – (5 votes) **Obj. 3** – (1 votes)	***TIER 1*** **Obj. 1**- Balance average future water demand (34 votes) **Obj. 2** - (2 votes) **Obj. 3** - Maintain stability in previously overdrafted groundwater basins (17 votes) **Obj. 4** - (5 votes) **Obj. 5** - (7 votes) **Obj. 7**- Provide tools to DAC (16 votes) **Obj. 9** – Improve stormwater management (11 votes) **Obj. 12** – Obtain financial assistance from outside sources (8 votes) **Obj. 14** – (3 votes)
MEDIUM	***TIER 3*** **Obj. 6** – (6 votes)	***TIER 3*** **Obj. 2** – (5 votes) **Obj. 3** – (3 votes) **Obj. 4**- Reduce reliance on the Delta (10 votes) **Obj. 5** - Optimize use of region's assets to maximize available SWP supplies (15 votes) **Obj. 7** –(1 votes) **Obj. 9** - (5 votes) **Obj. 14** – (3 votes)	***TIER 2*** **Obj. 1** – (2 votes) **Obj. 2** – Continue improve regional water use efficiency (12 votes) **Obj. 3** – (10 votes) **Obj. 4** – (6 votes) **Obj. 5** – (7 votes) **Obj. 7** – (10 votes) **Obj. 9** - (8 votes) **Obj. 12-** Obtain financial assistance from outside sources (12 votes) **Obj. 14** – Increase use of recycled water (13 votes)
LOW	***TIER 4*** **Obj. 6** – Prevent land subsidence (12 votes)	***TIER 3*** **Obj. 4** – (2 votes) **Obj. 6** – (8 votes) **Obj. 9** –(2 votes) **Obj. 12** –(1 votes)	***TIER 2*** **Obj. 2** – (4 votes) **Obj. 4** – (3 votes) **Obj. 9** – (3 votes) **Obj. 14** – (6 votes)

IMPORTANCE

Conclusion/Meeting Wrap Up

The meeting concluded with a reminder of what the group was being asked to do and of upcoming dates and deadlines.

- **June 14** – submit questions, comments or suggestions concerning the following items:
    - 1st two sections of the IRWM Plan (Draft Introduction and Region Description)
    - Proposed process for project identification, screening, selection and prioritization (Handout 2)
    - Draft Project Submittal Forms (Handouts 4 and 4b)
- **July 1**- Call for Projects
- **August 1** – Deadline to submit project proposals
- **August 20** – Stakeholder Group Meeting #4, which has been rescheduled from the original August 1 date to provide the Plan Development Team the time needed to review the project submittals.

Scott Weldy, Chairman to the TAC for the MWA, closed the meeting by remarking that a great product depended on receiving great input from the members of the Stakeholder Group.

Mojave Region
Update of Integrated Regional Water Management Plan

Stakeholder Group Meeting #4 – Summary

August 20, 2013
Mojave Water Agency Headquarters
Apple Valley, CA

Meeting Purpose and Overview

This was the fourth of eight scheduled meetings of the Stakeholder Group for the Update of the Integrated Regional Water Management (IRWM) Plan for the Mojave Region. Objectives for the meeting were to:

- Review progress to date
- Discuss and decide potential IRWM planning Region expansion
- Present draft IRWM Plan sections
- Refine and adopt prioritized Plan objectives
- Review project screening and prioritization
- Discuss project submittals
- Present status of the Salt & Nutrient Management Plan

The stakeholder group spent the major portion of their four-hour meeting time discussing the potential planning boundary expansion and the prioritized Plan objectives. To end the meeting on time, a report on the status of the Salt & Nutrient Management Plan was rescheduled for the next Stakeholder Group Meeting on October 3. Also, during the meeting, a second Call for Projects was announced, with September 12 as the deadline to submit updated and new project proposals.

Thirty-eight individuals completed the meeting sign-in sheet. Ken Kirby, of Kirby Consulting Group and a member of the Consultant Team, served as the facilitator for the meeting.

Progress to Date and Public Outreach Update

Ken Kirby began the meeting with a brief review of the June 6 stakeholder group meeting, and by providing an update on the plan development schedule, commenting that the process has been relatively fast as this is an update of an existing IRWM Plan, rather than the start of a brand new Plan. The plan development process would be taking longer without the advantage of building on the foundation provided by the 2004 IRWM Plan.

Yvonne Hester, Community Liaison Officer for the Mojave Water Agency, provided an update on the public outreach process. During June, seven public and disadvantaged community (DAC) workshops were held throughout the Region:

- Lucerne Valley, June 4
- Barstow, June 5
- Victorville, June 6
- Newberry Springs, June 8
- Pinon Hills, June 10
- Helendale, June 11
- Yucca Valley, June 12

To provide flexibility for the public and ensure consistency in the information provided, a similar format was used for all the public and DAC meetings. The meetings were publicized on the project website (www.mywaterplan.com), through flyers distributed in public areas throughout the Region, and in local newspaper advertisements. Attendance ranged from a low of 3 to as many as 51 participants per meeting. Through small group discussions and rankings of water- related topics, five common areas of concern emerged from all the meetings:

- Rising cost of water
- Declining water quality
- Limited water resources
- Limited funding resources to address water-related needs
- Need for regional collaboration to carry out projects.

Mary Lou Cotton from Kennedy/Jenks Consultants added that public outreach was a very important part of the planning process. Information generated by these meetings will be used to complete the challenges and opportunities section of the IRWM Plan, to help develop IRWM Plan objectives and to prioritize those objectives.

Potential Expansion of the Mojave IRWM Planning Region

Lance Eckhart, from MWA staff, provided an update on the status of activities that had happened since the previous IRWM Plan Stakeholder meeting with four areas under consideration to be added to the Mojave IRWM Region: Afton Canyon, Twentynine Palms, San Bernardino Mountain Communities, and Wrightwood. Currently, the boundary for the Mojave IRWM Region corresponds to the MWA service area. DWR has recommended

considering adding these adjacent areas, which will enable the Mojave IRWM Region to encompass the entire Mojave River Watershed. The overall objective of DWR is to encourage and facilitate planning and management by watershed throughout the state rather than limit IRWM Plan regions to the boundaries of political jurisdictions.

Mr. Eckhart explained that invitations were sent to representatives in each of these four areas to determine if they were interested in joining the Mojave IRWM Region. If they were interested, they were asked if they could provide the needed background information for their area and to materially (financially) contribute to the Mojave IRWM Plan development effort. Each area was asked to respond by August 14. The current status of the response from each area was then presented; after which Ken Kirby facilitated a discussion to determine if there was broad agreement within the group to add each of these areas.

Afton Canyon (Lower Mojave River Watershed)

There is little to no population in this area. The Bureau of Land Management (BLM) is the principal landowner within the region. BLM will not materially participate, but is supportive of the IRWM planning process. Although outside the boundaries of its service area, MWA considers Afton Canyon to be an integral part of the watershed, has already made significant investments in this area, and established gauges and monitoring stations to collect data. The cost to add the Afton area to the Mojave IRWM Region is nominal (approximately $2000) and MWA can absorb those costs, if the stakeholder group decides to incorporate it into the Region.

It was noted by a member of the stakeholder group, that Tamarisk removal is one primary issue in this area. If it becomes a part of Mojave Region IRWM, it could help BLM obtain additional funding for Tamarisk removal. Given all of these considerations, it sounds like a "no brainer."

Following this brief discussion there was broad agreement within the stakeholder group to add Afton Canyon to the Region.

Twentynine Palms Area

Tamara Alaniz, General Manager for the Twentynine Palms Water District, provided the update for this area. She explained that four major stakeholders were approached. The boards for two, the City of Twentynine Palms and the Water District, enthusiastically support joining the Mojave IRWM Region and will financially participate to the level needed to cover the cost of adding their area. The Marine Base located in the Twentynine Palms area will not materially participate but is interested and expected to provide input.

There has been no response from the Joshua Tree National Monument, but with no population within the park area, it is not considered a significant factor for the planning process. Both the City and the Water District represent the populated areas and over time the remaining two entities may decide to participate. After a brief discussion, the stakeholder group agreed to include the area in the Region, with no one opposed.

Wrightwood Area

Both the San Bernardino County Special District and the San Bernardino County First District were approached but are not able to materially participate at this time. However, Perry Dahlstrom from the Golden State Water Company (GSWC), stated that GSWC potentially is interested in representing this area. The Board for GSWC needs time to review the proposal, but a decision on whether or not to materially participate is imminent. Ken Kirby recommended that the group wait until GSWC makes a decision. If its Board declines, a decision to include the Wrightwood area could still be made at another time in the future. The recommendation was accepted and this area was not accepted into the Region at this time. The Stakeholder Group will wait to see the decision by the GSWC's Board of Directors.

Mountain Communities (Upper Mojave River Watershed)

There are three organizations in this area, each representing a different part of the mountain communities area, but only one of them at this time is able to materially participate. Crestline- Lake Arrowhead Water Agency (CLAWA) is not interested in participating. Crestline Sanitation District is interested in participating but cannot materially participate at this time. Mark Patterson, General Manager for Crestline, stated they became independent of the County only two years ago, so the timing is not yet right for making a financial commitment.

However, the Lake Arrowhead Community Service District (LACSD) has committed $8,300 toward participation. Leo Havener, General Manager for the LACSD, states that his Board is willing to pay their fair share of the cost to participate in the Mojave IRWM Plan, which represents about one-third of the area. In addition, they are willing to obtain background information needed from the other two-thirds of the mountain area as required for the planning process.

According to Lance Eckhart, the cost to include this mountain community area ranges from a low of $9000, if all the data needed for the area is readily available, but could be as high as $25,000. Ideally, this cost would be split between the three entities. Approximately 38,000 people live in the mountain communities. LACSD represents 12,000 of these residents, while the Sanitation District serves another 5,000.

Given the fact that only one of the three major entities representing the area is willing to materially participate, the group expressed a range of opinions on whether or not to add the area to the Mojave IRWM Region. Some felt it would be better to wait and add this area at a later time and only after there was a material commitment from all three entities, as complications could ensue with only part of the area represented. For instance, there was a question as to how to handle project proposals submitted from a part of the area that is not materially participating in the IRWM Plan. Kirby Brill, MWA General Manager, pointed out that the Board for the MWA would need to approve any measures to close a funding gap, should the addition of this area require it. Others expressed the belief that the strategic location of the area as the headwaters for the Mojave River made it crucial to include, even if there was not yet full consensus among all the entities representing the area.

Following this discussion, Ken Kirby made a recommendation to include the area at this time and do as much as can be done with the funding and in-kind services that are being made available by the organizations within the area. This means that the level of information included in this version of the Mojave IRWM Plan may not be as thorough and complete for this area as for the rest of the Region, but that this information can be improved over time. Ken emphasized that it was important to either take the whole area and not just a part, or not include the area at this time. Also, given that this area represents the headwaters for the watershed, it would be better to include the area even if the information currently available is not yet at the level of the rest of the watershed planning area. After asking for a show of hands, there was a broad consensus within the group to include the mountain communities in the IRWM Region and work with the available funding and in-kind services being made available by organizations within the mountain communities area.

IRWM Plan Development Status

Mary Lou Cotton from Kennedy/Jenks Consultants provided an update on the draft sections of the IRWM Plan which have been developed so far. The first two sections, Section I – Introduction and Section II – Region Description, were previously completed and are available on the project website at https://www.mywaterplan.com/irwm-plan-documents.html. Both sections will now need to be updated to incorporate information about the new areas that the stakeholder group agreed to include in the Mojave IRWM Region earlier in the meeting..

Section 3 of the IRWM Plan on Water Supply and Demand has just been updated and is available for review on the project website. Some information on topics such as climate change still need to be added. In the meantime, the stakeholder group was asked to review the draft and provide their comments by August 30 to comments@mywaterplan.com. Referring to Handout #7; Summary of Requested Review, Comments and Input, the group was specifically asked to consider three questions during their review.

There was also a brief review of comments that had been received since the last Stakeholder meeting on June 6. Most of the comments addressed the proposed objectives for the IRWM Plan.

Prioritize and Adopt Plan Objectives

Ken Kirby reminded the group that the Plan objectives are key to the development of the Plan as they drive the identification, screening, selection and prioritization of projects. He began by reviewing the draft Objectives, which were shown in two handouts. Handout #3a, Final Draft Mojave IRWM Plan Objectives, was a marked-up version of the objectives, so the group could see what had changed since the last meeting. These changes to the objectives reflected input from the comments they had provided through the project website, but also from the public and DAC workshops and Project Team. Handout #3b, Prioritized Final Draft Mojave IRWM Plan Objectives, presented the same objectives, but now re-ordered and grouped by priority in terms of importance and urgency. The prioritization reflected the stakeholder vote that had taken place at the last meeting as well as recommendations made by the Project Team.

For homework, the group was given a week to review the objectives and provide comments. To prepare for that assignment, however, Mr. Kirby reviewed each of the fourteen objectives and asked the group if they had any suggested revisions to the objectives and how they were prioritized. This review process also generated questions and comments throughout the discussion. Only those objectives which generated questions, comments or reprioritizations are summarized below. All other objectives remain unchanged.

During the discussion, it was pointed out by one of the stakeholders that 12 of the 14 objectives were either of high importance; high urgency or high for both terms, and this large proportion of highs diluted the meaning of "high". For this reason, before all the objectives are finalized, an adjustment to the balance between "high" and "medium" ratings of the objectives will be considered.

Tier 1 Priority Objectives – includes all objectives viewed as having both High Importance and High Urgency.

#1 – Balance average annual future water demands with available future supplies to ensure sustainability throughout the Region between now and the 2035 planning horizon and beyond.

- Does this objective mean we have to reduce demand to balance the supply? - Not necessarily, but if the supply cannot be expanded to achieve the required balance, then it would under those circumstances be necessary to limit growth.

#8 – Protect and restore sensitive environmental areas in coordination with land use and conservation plans to support stewardship and awareness of environmental resources.

Some questioned why this was a Tier 1 objective as it was not considered as important as the water supply objectives. Others were concerned that by using the word "restore" the entire Mojave River (Region) could end up being considered an environmentally sensitive area. They expressed the view that human needs, i.e. social and economic, were more important than environmental ones, while others in the group thought it important to retain the current prioritization. The group agreed to retain the current prioritization as high importance and high urgency if qualifiers were added that show the link between this objective and water supply (e.g. overdrafts) and water quality. It was observed that water supply and water supply as they relate to human needs was a priority for the group.

#9 – Improve stormwater management throughout the Plan area.

Some in the group questioned why this was a Tier 1 objective, as it was ranked high for both importance and urgency. Capturing stormwater for recharge was not seen as a major water supply objective since such storms are too infrequent in the Region to be relied upon for water supply purposes, and there were already other water supply objectives that would be more important than this one. Others pointed out that this stormwater objective was meant to address flood risk as well as stormwater for water supply. Some proposed that this objective be reclassified as a Tier 3 objective of medium importance and medium urgency. It was pointed out by some that stormwater recharge was important in some areas of the Region but from a timing perspective it was not seen as addressing an urgent need. The group agreed to reclassify it as a Tier 2 objective, which meant it was still ranked high in importance but was now medium in urgency. Other comments included:

- This is not primarily a water supply objective, so from a local perspective it does not seem to be a high priority objective. This objective and other aspects of the Plan suggests that Plan development efforts are being shaped to conform more to State guidance than what is needed locally.

    - It may seem that way, but it is important for the Plan to use language that will help qualify the Region for State funding but as a Region you get to set the priorities you want.
- From a statewide perspective, perhaps DWR would like to see the dry areas of the state such as Mojave used as a resource to store groundwater?
    - What you are suggesting represents a project idea rather than an objective. The way we are using objectives here we prefer that an objective define what you want to accomplish and not necessarily how it will be achieved. The how should be covered in proposed projects.
- Objective #9 is meant to also address flood risk and not just stormwater for water supply capture, but there is also a need to capture stormwater for groundwater recharge.
- It was suggested that that the phrase "floodplain management" be incorporated into the objective.
- Some downstream users along the Mojave River didn't want any flood control structures/devices constructed so these same users would get all their "flood supply" waters that would eventually be recharged into their groundwater basin. For example, Barstow users didn't want any users along the river to construct flood control devices because then Barstow wouldn't get as much volume of flood waters to recharge their groundwater basin.

<u>Tier 2 Priority Objectives</u> - includes all objectives viewed as having both High Importance and Medium Urgency.

#10 Preserve water quality as it relates to local beneficial uses of water supplied by each source, including groundwater, stormwater, surface water, imported water, and recycled water.

- Concern was expressed that the level of urgency for this objective be shifted from medium to high. They observed that it takes time to address water quality issues (citing Hinkley as an example) and that it is critical to get out in front of these issues as soon as possible.
- It was pointed out that for the Region as a whole, water quality is being handled relatively well and these objectives are meant to reflect the overall needs of the Region, rather than more localized problems. For this reason, although the regional objective may only be of medium urgency, proposed projects that address specific water quality problems may very well need to be ranked as being highly urgent.
- There is a plume located east of Hinkley which may have regional implications.
- It was agreed to keep the prioritization of high importance and medium urgency.

#11 Obtain financial assistance from outside sources to help implement this Plan across a range of project sizes during the planning horizon

- What is a "small system?" –After discussion, the group agreed to define a small system for this objective as one that is not required to submit an Urban Water Management Plan.

#13 Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure to ensure a high quality, resilient and reliable water supply.

- What is the distinction between modernize and improve? – There is a similarity between the two but the emphasis with "modernize" is the introduction of new technology while to "improve" refers to enhancements to the capacity.
- Some wondered why maintenance of infrastructure should be an objective when it is something that the operators and owners should already be doing.
    - For many reasons, deferred maintenance is an issue, especially in the public sector, and needs to be addressed as an objective. Grants will not be issued if the project sponsor cannot prove they have the ability to maintain the project they propose to develop.
- It was agreed to keep #13 as an objective, but that it should be reclassified as a Tier 3 Priority Objective of medium importance and medium urgency.

#14 Increase the use of recycled water in the Region while maintaining compliance with the Mojave Basin Area Judgment as applicable.

The group asked that this objective be reclassified as a Tier 3 Priority Objective of medium importance and medium urgency.

<u>Tier 3 Priority Objectives</u> – includes all objectives viewed as having both Medium Importance and Medium Urgency

#5 – Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands while mitigating against risks. Water related assets to be optimized include financial resources, groundwater storage programs, available imported water supplies, transfer and exchange opportunities, available physical infrastructure, and management policies.

It was asserted that the financial implications of optimizing water resources are significant. For this reason, the objective should be ranked as having high importance, rather than medium. To address this concern it was agreed that a sub-bullet (d) "financial measures to acquire water resources" should be added to Objective 5.

Other Comments

- Do not see treatment of waste water as an objective. Should this be added to objective #10? Golf courses should be able to use recycled water instead of potable water as they do now. Agreed to specifically add mention of wastewater treatment where appropriate in the Plan objectives.
- Climate change was dropped as an objective but monitoring impacts of climate change will be a commitment described in the Plan itself.

Project Screening and Prioritization Process

During the final part of the meeting Mary Lou Cotton reviewed results from the first Call for Projects. She introduced three handouts listing all 103 projects that had been submitted in response to the request for project ideas.

Handout #5a listed all the projects alphabetically by project title. All projects that came in by the deadline received a project number, but because so many projects had come in at once just before the deadline, not all were able to be processed by staff in time to include in the meeting handouts. Projects highlighted in grey are projects that have been carried forward from the 2004 IRWM Plan.

Handout #5b listed all the proposed projects arranged alphabetically by the lead agency submitting the project proposal.

Handout #5c provided a preliminary ranking of all the submitted projects except for 17 projects that had come in too late to be processed by staff in time to include in these handouts. The screening criterion for proposed projects (as described in Handout #4, Summary of Project Selection and Prioritization Process) was reviewed to explain the ranking:

- Contribute toward meeting one or more Plan objectives
- Appear to be technically feasible
- Appear to be economically feasible
- Not cause significant unmitigated negative impacts
- Have a committed project proponent that has the capacity to implement the project.

If projects passed the screening criteria, they were assigned a rating for importance and urgency that matched the priority of the one objective the review team considered the project to contribute to the most. The projects were then listed with the preliminary ranking of projects shown in Handout #5c.

In the next round of review, projects may be further reviewed according to 12 factors outlined on page 3 of Handout #4 using information provided by project proponents in their submittals in order to adjust the proposed project priorities.
While reviewing the prioritization process, it was pointed out that any one project cannot possibly meet all Plan objectives (but apparently many project submittals attempted to make that claim). Also not all projects can be considered high in importance and urgency. Projects submitted without an identified proponent were not considered as a feasible project.

A second Call for Projects was announced with the deadline of September 12. All new or revised project submittals must be received no later than 4:30 pm on that date. The group was referred to Handout #6, Opportunities for Integration and Second Round Call for Projects, for more information.

Project proponents were strongly encouraged to review the other proposed projects to see if there are opportunities to combine and integrate their project with others to create an integrated, multi-purpose project. If they do succeed in teaming up with others to submit an integrated project, project proponents were asked to indicate which projects should be removed from the project lists to avoid duplication.

As described in Handout #7, Summary of Requested Review, Comment and Input, project proponents were also asked to carefully review Handouts #5a and #5b to see if the Project Team made a request for more information about their project before it could be considered a viable project. If that is the case, then Project Proponents need to revise and resubmit their project form by the September 12 deadline. Also, if project proponents edit and resubmit their projects, they should highlight what they are changing and take a hard look at the objectives the project is really contributing to. When the projects were ranked as they now appear in Handout #5c, the reviewers identified the one objective they believed applied most directly and then prioritized accordingly.

If any single agency has submitted multiple projects, they are asked to indicate their preference for relative priorities among their proposed projects.

The group was also asked to review the carry over projects from 2004 to determine if they are OK as is or need to be updated. All comments about the proposed projects should be submitted by August 30 to comments@mywaterplan.com

A revised project list will be posted a week before the next meeting which is scheduled for October 3.

Mojave Region
Update of Integrated Regional Water Management Plan

Stakeholder Group Meeting #5 – Summary

November 5, 2013
Mojave Water Agency Headquarters
Apple Valley, CA

Meeting Purpose and Overview

This was the fifth of eight scheduled meetings of the Stakeholder Group for the Update of the Integrated Regional Water Management (IRWM) Plan for the Mojave Region. Objectives for the meeting were to:

- Review progress to date
- Present status of the Salt and Nutrient Management Plan
- Discuss status of the planning boundary expansion
- Discuss and adopt prioritized Plan objectives
- Review results of project screening and prioritization
- Discuss next steps

A major portion of the 4-hour meeting was devoted to a review of the project screening and prioritization process and a discussion of the project submittals and preliminary recommendations resulting from that process.

Thirty-three individuals completed the meeting sign-in sheet. Ken Kirby, of EVOTO Company and a member of the Consultant Team, served as the facilitator for the meeting.

Introductions

The stakeholder group meeting began immediately following a brief session of the Technical Advisory Committee (TAC) to the Mojave Water Agency (MWA). The TAC meeting was led by Scott Weldy, Chairman of the TAC, during which members of the TAC nominated and elected TAC officers and appointments to the TAC Executive Committee for 2014.

Kirby Brill, General Manager for the MWA, opened the stakeholder group meeting by asking Lance Eckhart, from MWA staff, to provide a brief overview of the agenda. Mr. Eckhart explained that the meeting will provide an opportunity to share results of the project prioritization process that had been underway since the last stakeholder meeting

on August 20. He indicated that by December they hope to have a final list of all the projects that will form the basis for the proposed Plan. He then turned the meeting over to Ken Kirby who reminded the group that the IRWM Plan they are now developing is not set in stone but will be updated over time. Between today's meeting and the next meeting on December 16, the process and conversation will determine those projects that will be included in the 2014 version of the Plan.

Mr. Kirby also provided a recap of Stakeholder Group Meeting #4 and reminded the group that summaries of all the meetings are available on the project website, www.mywaterplan.com, enabling them to review the ebb and flow of the Plan development process over the past year. He also provided an update on the IRWM Plan development process and restated the fact that the IRWM Plan is being written in stages so they can provide feedback as the process goes along, rather than being saddled at the end with the task of having to review and provide feedback on the entire document only during the final phase of the process.

Salt and Nutrient Management Plan Update

Lance Eckhart provided an update on the Salt and Nutrient Management Plan (SNMP), which is being developed in concert with the IRWM Plan. The SNMP is focused on water quality as measured by the accumulation of nutrients and salts in the groundwater of the Mojave River Basin and the Morongo Basin. Results from the IRWM Plan Update are being used to inform and guide development of the SNMP.

The goal of the SNMP is to provide a snapshot of existing water quality conditions in these two basins. It will also help answer the question as to whether water quality is staying the same, getting better or growing worse within different areas in the Region. Both Total Dissolved Solids (TDS) and nitrate have been selected as indicators of salt and nutrients. Water quality from over 100 different sites is being used by the SNMP Model to determine assimilative capacity in each sub basin (i.e. the amount of additional TDS that can be absorbed into the groundwater without exceeding the Basin Plan Objective), to project trends over a 20 year time period, and to determine the impact of proposed projects on existing TDS levels. It can also consider impacts stemming from of range of possible options, including different projects or no project at all (the base case).

Questions raised by the group in response to this presentation included the following:

- Can you provide us an example of the types of projects the SNMP model will be evaluating?
    - As an example, it can help us determine the respective impacts on water quality of a sewer system compared to septic tanks. Think of the SNMP

Model as a screening tool which will be used to determine the impact on water quality over a 20 year span.

- What is the ideal salt level? 500 mg per liter of TDS seems high.
    - Regulators will ultimately be the ones to determine the ideal salt level and this is often driven by drinking water standards.
- Is it fair to consider the Regional Water Quality Boards as our "salt cops?"
    - Yes, but the SNMP model will help make the Regional Board decision-making process more science-based and holistic.
- Are dischargers responsible for cleaning up to the background level or to drinking water standards?
    - It depends on each case.

Status of Mojave IRWM Planning Region Expansion

Lance Eckhart also provided an update on the expansion of the IRWM Planning Region, which had been a major item of discussion during the last stakeholder group meeting in August. Mr. Eckhart reminded the group that DWR is encouraging watershed-wide planning and management, rather than leave any geographic areas within a watershed as isolated islands outside the boundaries of an IRWM planning region. In the case of the Mojave IRWM Region, there were four such areas: Afton Canyon, Twentynine Palms, San Bernardino Mountain Communities (also called the Upper Mojave Area), and Wrightwood. During the last meeting, the stakeholder group agreed to add both Afton Canyon and Twentynine Palms to the Region, but there was still a question concerning the two remaining areas as there was a need to determine whether groups representing communities in the other two areas were willing to financially participate in the IRWM planning process. An incremental financial contribution was needed to carry out the data collection and analysis work required by the IRWM planning process in each of these additional areas. Since the last meeting, the County of San Bernardino has stepped in to financially participate in the IRWM planning process on behalf of both of these areas. All four areas will now be included in the Mojave IRWM Plan Region.

- Since it is the County of San Bernardino that is financially supporting the IRWM planning work in these two areas, do we know whether these communities will now actually participate in the IRWM planning process?
    - They can definitely participate if they choose to do so and it is our expectation that they will.
- Will these four areas now come under the Judgment?
    - No. The IRWM Plan has no impact on existing legal structures. The advantage of including these areas in the Mojave IRWM Region is that we

will now have a more integrated planning process that does encompass the entire watershed region.

Governance after Plan Adoption

Ken Kirby introduced the topic of governance during implementation of the Mojave IRWM Plan. The State has requirements that every IRWM Region adopt a governance structure for implementation of the Plan which will ensure the current region-wide collaborative process does not end once the Plan is adopted. It will be designed to foster implementation, track progress, and provide a structure for Plan updates.

At the next meeting on December 16, the Stakeholder Group will be presented with a governance proposal for their consideration. There are two major options. The first will be to continue with a similar governance structure that has been used during the development of the Plan. The other is to adjust the governance approach for implementation. There were no questions or comments from the Stakeholder Group at this time.

Review and Adopt Refined and Prioritized Plan Objectives

Ken Kirby began this topic by reminding the group that Objectives are the foundation for the Plan. It is hard to know what to do with proposed projects without first having clearly defined objectives. This is the reason the Project Team and Stakeholder Group have spent so much time throughout all the meetings identifying and refining the objectives. The purpose of today's discussion was to confirm and adopt the objectives.

Mr. Kirby then referred the group to two handouts: Final Draft Mojave IRWM Plan Objectives (Handout 1a), and Plan Objectives Arranged by Priority (Handout 1b). Unlike the first handout which shows the objectives in numerical order, Handout 1b organizes them in tiers so it is clear which objectives the Group has agreed are the most important. Handout 1a shows the changes made to the objectives during the discussion that took place at the last meeting. Mr. Kirby reviewed each of the changes and then asked if anyone had any questions or comments:

- How does Objective #7, "Provide support and assistance to disadvantaged communities…" which has been ranked high in both importance and urgency relate to small water systems requiring financial assistance as measured in Objective #11a, which ranked high in importance but only medium in urgency?
    - Actions taken to meet Objective 11 (Obtain financial assistance from outside sources) for small water systems can also help satisfy Objective 7 (Provide

support and assistance to disadvantaged communities). We can think of the actions taken to help provide financial assistance for small water systems as a subset of the potential actions that can be taken to support disadvantaged communities overall.

- Does California Fish & Wildlife agree with the changes made to Objective #8, "Improve environmental stewardship related to waterways and water management in the Region," which originally was ranked High in both Importance and Urgency, but is now Medium/Medium? At this point, [Alisa Ellsworth] (a representative from Fish & Wildlife who was participating by phone) stated a concern about the proposed priority and asked that the group reconsider the ranking.
    - It was explained that the revised ranking reflected the views of the group as expressed during the last meeting, including the view that it was not as important as objectives that relate directly to balancing water supply.
    - The Fish & Wildlife representative and others offered the perspective that this environmental stewardship objective will help achieve the high priority water supply objectives.
    - Some pointed out that successfully addressing Objective #3 (which is ranked as High/High), "Maintain stability in previously overdrafted groundwater basins and reduce overdraft in groundwater basins experiencing ongoing water table declines," will support riparian health. For this reason, they proposed that measurement 8a, "Measured by acres of sensitive environmental/habitat areas restored or new sensitive environmental areas set aside for protection," be moved to Objective #3.
    - Rather than combining measurement #8a with Objective #3, it was proposed that the ranking for Objective #8 be changed from Medium Importance/Medium Urgency to High Importance/Medium Urgency. The representative from Fish & Wildlife agreed with this recommendation as did the rest of the Stakeholder Group. As a result, Objective #8 will be moved from Tier 3 (Medium/Medium) to Tier 2 (High/Medium).
- Will expending resources for Objective #8 detract from resources needed for our priority Objective #3?
    - It's difficult to know for sure. However, these objectives are clearly interdependent. Actions taken to satisfy Objective #8 may qualify for outside funding sources that might not otherwise be available to us and in effect expand overall resources.

Project Screening and Prioritization Process

Ken Kirby reviewed the project selection and prioritization process as outlined in Handout 2. A total of 129 projects had been submitted to the project team. 61 of these projects were

combined to form 15 integrated projects. 9 projects were screened out. As a result, 68 projects are now proposed for the IRWM Plan. All of these project submissions were listed in four handouts which Mr. Kirby reviewed with the group.

Handout 3a: Mojave Region Plan Potential Projects (Project Summary) lists projects by the number they were assigned as they came in. However, projects highlighted in yellow were the newly integrated projects, which have been assigned new project numbers beginning with 1,001. Lance Eckhart explained that these projects had been integrated during a meeting in which sponsors of similar projects had an opportunity to come together for that purpose.

Handout 3b lists the nine projects that have been screened out along with the reasons why. In many cases the project did not yet have a sponsor, the applicant withdrew the submittal, or the applicant had not responded to a request for additional information about the project and so it was withdrawn.

Handout 3c provided a preliminary ranking of projects based on the priority of the primary objective(s) the project would contribute to. In some cases, Ken Kirby revised the expected contributions to objectives according to the information provided in the project submittals. These proposed revisions were shown in the handout. Project sponsors were asked to review these changes and to send in their comments if they disagreed with the revisions. The final column in the handout showed a Get Real Index (GRI) assigned to each project.

Mr. Kirby explained that projects submitted were initially prioritized based on the priority ranking of the primary objective(s) most likely impacted by the project. Since relying on objectives alone did not lead to a significant distribution of projects across the priority rankings (too many projects were in Tier 1), prioritization was considered based on other review factors as listed on page 3 of Handout 2. However, many of the proposed projects are in the conceptual stage of development and so do not yet provide much detail. In order to further refine the project prioritization, the Project Team reviewed each project and assigned a "Get Real Index" on a scale of 1 to 3.

GRI 1 - Well advanced, ready to proceed
GRI 2 - Very likely (there is momentum, funding and a committed sponsor)
GRI 3 - Needs work – not yet ready to move into implementation, no demonstrated momentum

Using the GRI review factor, Mr. Kirby recommended reclassifying projects that received a GRI of 3 as follows:

- If projects that received a GRI = 3 were initially ranked in High Importance/High Urgency or High Importance/ Medium Urgency then move them to High Importance/Low Urgency.
- If projects that received a GRI = 3 were initially ranked in Medium Importance/Medium Urgency then move them to Medium Importance/Low Urgency.

The result was a new project list with proposed priorities, Handout 3d: Projects Arranged by Proposed Priority. However, Ken emphasized that this initial screening and prioritization was meant to serve as a starting place for the conversation during the Stakeholder Meeting. Final decisions for whether a project is included in the Plan and where it is prioritized will be based on a broad agreement among the stakeholders.

As a result of the project screening and prioritization process results, Mr. Kirby also proposed a modification of the priority tier structure to provide more meaningful distinctions between tiers. The changes are shown on the next page.

Original Priority Tier Structure

URGENCY	LOW	MEDIUM	HIGH
HIGH	TIER 2	TIER 1	TIER 1
MEDIUM	TIER 3	TIER 3	TIER 2
LOW	TIER 4	TIER 3	TIER 2

IMPORTANCE

Revised Priority Tier Structure

URGENCY	LOW	MEDIUM	HIGH
HIGH	TIER 2	TIER 1	TIER 1
MEDIUM	TIER 4	TIER 3	TIER 2
LOW	TIER 4	TIER 4	TIER 3

IMPORTANCE

Project Submittals and Preliminary Recommendations

After reviewing the project prioritization process and the four handouts (3a through 3d) that summarized results of that process, Ken Kirby invited comments and questions from the Stakeholder Group. The initial questions were primarily about projects that had been screened out (Handout 3b), or in one case a request was made about a project that did not appear on the current list of projects:

- What about submitted projects that appear to be missing?
    - Most likely these are projects that have become a part of one of the larger integrated projects, but we will check to make sure this is the case.
- What happens to projects that have been screened out?
    - They will not be included in the Plan but a record of the screened out projects will be indicated in the Plan, probably in an appendix.
- If a sponsor for a screened out project can be found, can they then be prioritized and included in the Plan?
    - Yes, if the reason for being screened out is a lack of sponsor, but in order to be included in the 2014 Plan being developed it will be important to identify a sponsor before our next meeting on December 16.
- Why was Project #12, the Cadiz Valley Water Conservation, Recovery and Storage Project, screened out?
    - The project proponent did not respond to a request for additional information needed based on the initial submittal.
- Project #48R, Mojave River Dam-Deep Creek Spillway Wetlands restoration, was screened out for lack of a sponsor. If the Army Corp of Engineers steps up as sponsor can it be put back on the project list?
    - Yes, any project that was screened out due to a lack of a sponsor can be included if a valid sponsor steps forward between now and December 15.
- Project #62R, Water Conservation Ordinance, has been screened out for not yet having a sponsor. Has the County and MWA been asked to sponsor this project?
    - It is recommended that the advocates for this project talk with the County to work through the details of the County's possible sponsorship. If there is not a sponsor now, this project can still be added at a later date when the Plan is amended.
    - Becoming a project sponsor does not mean that the organization is committing to executing the project outside of their normal review and decision making processes, but rather that the organization supports the project and agrees to move it through its normal processes in order to make a decision to implement or not.
    - The County Planning Department has expressed interest and is considering the proposed ordinance.

Many other questions and comments were offered related to projects that had made it onto the preliminary ranked list of projects (Handout 3c). During the discussion that followed, some stakeholders asked if the group could be persuaded to change the priority ranking of a project or its Get Real Index revised based on additional information or other project details.

- Is it possible to change the Get Real Index of Project #95, Adelanto Pearmain Relief Sewer Line, from GRI 2 to GRI 1? All the necessary elements are in place except for the funding. However, the need is urgent. In addition, this project will directly benefit a disadvantaged community.
- How do we determine whether or not a project is really shovel ready?
- Can the GRI of a project change as it moves forward? – yes
- Isn't the whole point of this exercise to get money for our projects?
    - It is a point but not the whole point. The number and scope of projects in the Plan will far exceed the grant funding that is available to us.
- Both Project #44, Lucerne Valley Small Water Systems Feasibility Study, and the integrated Project #1003, Assistance Program for Small Drinking Water Systems are in the same project category. I believe Project #44 fits with Project #1003. Is the group supportive of integrating them? The group agreed to this.
- Can the priority ranking of Project #32, Helendale Community Services District Tertiary Treatment Upgrade, be changed from High Importance/Medium Urgency (Tier 2) to High Importance/High Urgency (Tier 1)?
    - The project was ranked high/medium because the primary objective it impacts is water quality, which is a high importance/medium urgency objective. We are looking for consistency between objectives and the overall Plan.
    - There are no guarantees that high/high projects will be implemented first.
    - The stakeholders agreed as a group to change the ranking of Project #32 to High Importance/High Urgency.
- If a community or water provider is slapped with a water quality violation will that event change the prioritization of a wastewater project? It could, but it is likely the sponsors will move forward with the project anyway, regardless of the priority assigned in the Mojave IRWM Plan.
- Can the priority ranking of Project #93, Apple Valley and Hesperia Subregional Water, be changed from High Importance/Medium Urgency (Tier 2) to High Importance/High Urgency (Tier 1)? The project already has a GRI of 1, is on the verge of receiving $1.5 million in funding and is ready to go.
    - The stakeholders agreed as group to change the ranking of Project #93 to High Importance/High Urgency.
- Two of the scores for the Objectives met by Project #18R, Commercial/Industrial/Multi-Family Cash for Grass Program (Objectives #1 and #3) were changed from 1's (Primary) to 2's (Secondary), but we disagree with this change. The primary reason for this project is to reduce water demand, so we would like it changed from a High Importance/Medium Urgency (Tier 2) to High Importance/High Urgency (Tier 1).

    - Some argued that changing to tiered water rates would be a more cost effective strategy and based on past results will achieve better results. Others observed that most commercial properties are not on tiered rates and are less influenced by them where they do apply.
    - After discussion and a show of hands, the stakeholders reached broad agreement to change the priority ranking of Project #18R to High Importance/High Urgency.
- The project category for Project #1012, Cedar Street / Bandicoot Detention Basin, should be changed from conservation and education to groundwater recharge. Also, MWA has agreed to be a partner for the project, so the GRI should be a 2, not 3, and the priority ranking should change from High Importance/Medium Urgency (Tier 2) to High Importance/High Urgency (Tier 1).
    - The Stakeholder Group agreed that the GRI for Project #1012 should change from 3 to 2 and the priority ranking should be High Importance/High Urgency.
- It is important to recognize that this is a dynamic process and rankings can change up or down over time. What we need to know today is what the rankings should be for the 2014 Plan.

Wrap Up/Next Steps

Lance Eckhart provided a brief funding update explaining that the second round of Prop 84 funding recommendations had just been announced. Given that the Mojave Region overlaps two funding areas, the Colorado and Lahontan, we have two possible bites at the apple. As it turns out, no funding was received for the High Desert Water District in the Colorado River Funding Area. In the Lahontan Funding Area, $1.5 million of the $3 million requested has been recommended for award. It was surprising that the remaining $1.5 million has been shifted to other funding regions. As this represents a change of direction on the part of DWR, they have been asked to reconsider this decision and are in the process of doing so.

At the end of the meeting, stakeholders were asked to review all the project summaries (Handouts 3a to 3d) to make sure they were factually correct, to assess if recommended priorities were appropriate, and if they believed any of these proposed projects should not be in the Plan. If they did have any questions or comments, they were asked to submit them to the Plan Development Team by November 15 to comments@mywaterplan.com. Ken Kirby added that any project sponsorship changes should be sent in as soon as possible. The next Stakeholder Meeting is scheduled for December 16.

Mojave Region
Update of Integrated Regional Water Management Plan

Stakeholder Group Meeting #6 – Summary

December 16, 2013
Mojave Water Agency Headquarters
Apple Valley, CA

Meeting Purpose and Overview

This was the sixth of nine scheduled meetings of the Stakeholder Group for the Update of the Integrated Regional Water Management (IRWM) Plan for the Mojave Region. Objectives for the meeting were to:

- Review project lists and revised projects
- Provide status update of draft IRWM Plan document
- Discuss proposed Governance structure for implementation
- Discuss Plan Performance Monitoring and Data Management
- Introduce Finance Requirements
- Review next steps

The meeting discussions revolved around specific projects revised in the project lists, the governance structure for implementation of the Plan, and defining criteria for monitoring performance of the Plan upon its implementation.

Twenty-nine individuals completed the meeting sign-in sheet, however over forty people attended the meeting as indicated by the introductions held at the start of the meeting. Ken Kirby, of EVOTO Company and a member of the Consultant Team, served as the facilitator for the meeting.

Introductions

Scott Weldy, Chairman of the Technical Advisory Committee (TAC) to the Mojave Water Agency (MWA), opened the meeting with introductions by all those in attendance followed by approval of the November 5, 2013 Stakeholder Meeting Summary. Lance Eckhart, from MWA staff, thanked representatives from the newly expanded boundary areas of the IRWM Plan for attending the meeting and then turned the meeting over to Ken Kirby. Mr. Kirby provided a brief overview of the agenda indicating that a large portion of the discussions would be about Plan Performance Monitoring and Data Management as specified by State guidelines.

Mr. Kirby also provided a recap of Stakeholder Group Meeting #5 and gave a status update on the project schedule, stating that the public review draft of the IRWM Plan will be completed in May 2014 and the final draft should be ready for adoption in June 2014.

Mr. Kirby followed by opening the floor for questions and comments from the group. Mr. Floyd Wicks of Cadiz, Inc. representing the Cadiz Valley Water Conservation, Recovery and Storage Project had a comment regarding the mention of his project on page 9 of the Stakeholder November 5th 2013 Meeting Summary. Mr. Wicks expressed concern over the removal of the project from the IRWM Plan due to lack of response from the project proponent and assured that Cadiz, Inc. was very interested in being involved in the IRWM Plan. Mr. Kirby clarified that individual project proponents were not contacted directly, but rather the second round of the project submittal phase for the IRWM Plan served as a collective notice to the group requesting additional information on projects (the first round was the initial call for projects). Mr. Kirby further explained there would be an opportunity for further discussion about specific projects during a later part of the meeting.

Mr. Kirby continued the meeting by providing an overview of the Code of Conduct for the meeting before providing a brief update on the status of projects included in the IRWM Plan:

- 128 total submittals received
    - 63 combined, resulting in 15 integrated projects
- 72 total projects proposed for the Plan
    - 8 projects screened out

Revised Project Lists (see Handouts 1a-1e)

Mr. Kirby reviewed the project lists and their revisions during this session of the meeting. As shown in each project list handout, those projects highlighted in pink had been changed in some respect (e.g. priority ranking) or added to the list, while projects highlighted in yellow had been integrated with others into a single, larger project. The following is an overview of revisions to each project handout list, identifying the affected projects, and related comments and questions from the group:

Mojave Region IRWM Plan Potential Projects (Project Summary)-Handout #1a
Revision(s): Includes projects previously missed

Projects discussed:

<u>62R – Water Conservation Ordinance</u>

- Previously screened out (lacked project proponent to carry out project)

- Currently recommended for inclusion in the IRWM Plan
    - County of San Bernardino to sponsor project

126 – Community Park and Demo Garden

- Previously missed
- Currently recommended for inclusion in the IRWM Plan

127 – Water Well No. 10

- Previously missed
- Currently recommended for inclusion in the IRWM Plan

128 – Transition Zone Water Quality Study

- Previously missed
- Currently recommended for inclusion in the IRWM Plan

129 – Well Abandonment

- Previously missed
- Currently recommended for inclusion in the IRWM Plan

Mojave Region IRWM Plan Potential Projects (Project Submittals Screened Out) – Handout 1b

Revision(s): Project 62R, Water Conservation Ordinance, was transferred from the screened out project list to the list of recommended projects)

Projects discussed:

12 – Cadiz Valley Water Conservation, Recovery, and Storage

- Lacking project details (Description is too broad. How will the project fit into the IRWM Plan?)
- Further review recommended
    - Work with project proponent to revise project description
    - Project Team to review revised project and formulate recommendation
    - Include revised project as discussion item in upcoming meeting with TAC and Stakeholders

Comments/Questions:

- Per Floyd Wicks of Cadiz Inc.
    - Project involves connection of 30-inch pipeline from Cadiz to MWA's 42-inch water line in Barstow
    - One benefit of connection would be provision of water supply for fire protection services in Yermo (eliminating the need for a new reservoir)
    - Water quality of project is comparable to that of the State Water Project
    - Project would help the County retain 20 percent of water currently lost via evaporation

- Will there be a State Agency involved to control inter-basin transfer of water?
- What criteria must projects meet to be included in IRWM Plan?
    - Previously published, will provide review of criteria at later time

Mojave Region IRWM Plan Potential Projects (Preliminary Ranking by Priority Objectives) – Handout 1c

Revision(s): Ranking of several projects revised

- All revised projects moved up in rank
- Some projects were placed in different categories as a result of integration with other projects
- Some upward shifts in project rankings are a result of priority shifts of related Objectives

Projects discussed:

<u>62R – Water Conservation Ordinance</u>

- Previously a missed project, now included with associated priority ranking

<u>13R – Camp Cady: Tamarisk Removal</u>

- Objective 8: Improve Environmental Stewardship
    - Changed to Get Real Index (GRI) 1
        - Associated with an Objective that moved up a priority level from Tier 3 to Tier 2.

Comments/Questions:

- What is the relation of priority 2 on project 13R? How was priority ranking decided for?
    - Project submittals are reviewed for consistency of primary and secondary contributions
    - Inconsistent projects were changed
        - Project rankings were revised if it was determined to be a direct/primary contributor to a priority objective.
        - Projects changed depending on level of contribution (primary or secondary)
        - Projects were removed
    - Project rankings were adjusted during previous stakeholder and TAC meeting based on additional information provided

<u>128 – Transition Zone Water Quality Study</u>

- Previously a missed project, now included with associated priority ranking
- Objective 12: Improve Public Awareness
    - Changed to GRI 2

        - Study without additional effort will not change public awareness
        - Scientific study not typically read by public

129 – Well Abandonments

- Previously a missed project, now included with associated priority ranking
- Objective 13: Establish Reliable Maintenance Funding
    - Removed
        - Need something specific within the project to address objective
        - New project doesn't count for improving maintenance funding

115 – Land and Water Rights Acquisition

- Objective 8: Improve Environmental Stewardship
    - Changed as primary contributor (level 1) to this objective
        - Associated with Objective that moved up in priority level

126 – Community Park and Demo Garden

- Previously a missed project, now included with associated priority ranking
- Integrated into Project 1005 Regional Demonstrations Gardens
    - Related Objectives changed due to integration

127 – Water Well No. 10

- Previously a missed project, now included with associated priority ranking
- Integrated into Project 1003 Assistance Program for Small Water Systems
    - Related Objectives changed due to integration

Comments/Questions:

- Is Helendale considered a small water system?
    - Yes. 2,800 accounts is defined as small

Projects Arranged by Proposed Priority – Handout #1d

Revision(s): Ranking of several projects revised:

Projects discussed:

62R – Water Conservation Ordinance

- Now Tier 1, GRI = 3

126 – Community Park and Demo Garden

- Recommended to integrate with Project 1005 "Regional Demonstration Garden Program." After integration, project will be Tier 2, GRI=2

127 – Water Well No. 10

- Recommended to integrate with Project 1003 "Assistance Program for Small System Improvements." After integration, project will be Tier 1, GRI=2

***Mojave Region IRWM Plan Project Number and Title* – Handout #1e**
This is a new list that includes final project numbers, original project numbers, integrated projects, and shows screen-out and changed projects.

Comments/Questions:

- Running Springs Water District: Is it too late to add projects? (Regarding project to replace two sewer lift station near the headwaters of Deep Creek. Application submitted with Clean Water State Fund Program. In design stage now. Construction projected for late summer 2014)
    - Initial response was that project should not be added at this point to avoid schedule delays with IRWM Plan, but the Plan can later be amended upon adoption.

- Were agencies in the newly expanded IRWM Plan boundary notified and given time to participate in IRWM Plan process?
    - Yes, larger agencies in these areas were notified and encouraged to participate
    - When would amendment process start?
        - As soon as Plan is adopted - recommended that Plan be updated at least once a year
    - Since Running Springs Water District project is set for construction in near future and addressed water quality can this project be included in IRWM Plan now?
        - Recommendation: Because of nature of boundary expansion and lack of information flow, the IRWM Plan should include this project even though it is after the deadline for project submittals
        - Recommendation: This project should be included in one of the integrated projects for small water systems
        - Project team will work with project proponent on submittal and formulate recommendation for stakeholders and TAC
    - Does this invitation to participate in IRWM Plan beyond the project submittal deadline extend to Crestline Sanitation District (also in expanded boundary area)?
        - Crestline Sanitation District has been present in past IRWM Plan meetings - may be apt to participate upon completion of boundary expansion
    - Recommendation: Open project submittal to all entities in newly expanded boundary areas
        - Applications can be submitted by early January for review by group in February
        - How will IRWM Plan schedule be affected by these new submittals

        - It will depend of the number of submittals

- Joshua Basin is opposed to Cadiz project because it originates outside the IRWM Region.
    - At the next meeting, there will be an opportunity for the group to discuss and review Cadiz project

- If Project 48R, Mojave River Dam-Deep Creek Spillway Wetlands Restoration (currently screened out), ever got endorsed by Army Corps of Engineers, it would be good mitigation for other projects - best dealt with as amendment to IRWM Plan after adoption or include it now?
    - Since Army has not taken on the project yet, best to deal with it as amendment

Mojave Integrated Regional Water Management Plan – Status Update

Sandra Carlson, a member of the consultant team, provided a brief status of the Plan document:

- Section 4 Objectives presented for review and comment
- Section 2 (Region Description) and Section 3 (Water Supply and Demand) will need to be updated to reflect expansion areas. Each expansion area to get its own section which will be added to the end of the current Section 2 and Section 3 as appropriate:
    - Afton- to be completed for review by end of December 2013
    - 29 Palms – under review
    - Upper Mojave - to be completed for review by end of December 2013
    - Wrightwood - to be completed for review by end of December 2013

Governance after Plan Adoption (see Handout #2)

This portion of the meeting focused on establishing a governance structure for the implementation of the Mojave IRWM Plan. The proposed governance structure is essentially the same as the one that has been in place during the development of the IRWM Plan, but with less involvement from consultants

The recommended changes for adapting the current Governance Structure for implementation include:

- Continue with Regional Water Management Group as is
- Replace Project Team with Implementation Support Team.
    - The Implementation Support Team will:
        - Focus on fostering implementation of projects
        - Track progress

- Perform Plan updates

NOTE: Does NOT mean Implementation Support Team is responsible for carrying out projects listed in IRWM Plan but rather will help project proponents move projects forward through coordination and collaboration to support development of the projects.

- Use same decision making approach as in Plan development (i.e. facilitated broad agreement)

<u>Comments/Questions:</u>

- What role would a participating agency from newly expanded boundary area have? Particularly if it does not have a project listed in the Plan?
    - Agencies with projects in the Plan may be more participatory. Those without can still participate to help move other projects forward to uphold regional objectives
    - Plan meetings provide many opportunities for participation
        - Move projects forward
        - Develop new projects to help meet regional objectives
        - Explore funding mechanisms to implement projects
- If Broad Agreement not reached by the Implementation Support Team, what is the format for vote by the Coordinating Committee (CC)?
    - If full representation of the CC is present at the meeting they can be asked to vote right then or a meeting can be scheduled for further discussion and vote by CC
    - If no sufficient CC representation at the meeting than another meeting will need to be scheduled
- Clarification of difference between implementation of IRWM Plan versus implementation of individual projects within the plan:
    - IRWM Plan is not set up to give any of the proponents? veto authority or operational control for projects
    - IRWM Plan does not interfere with the authority of agencies or organizations in the Region (i.e. MWA boundary not affected by IRWM Plan boundary expansion)
- Are there budgeting guidelines for implementation of the Plan?
    - No, the Project Team included this as part of the planned decision-making structure for budgeting implementation activities

NOTE: IRWM Plan does not preclude projects from all applicable permitting processes and CEQA and NEPA processes. It defines projects that meet regional objectives and as a collective group will work together to help the projects move forward.

- Do other agencies need to adopt the Plan?
    - Yes, agencies and entities within the Region need to adopt the Plan to qualify for Prop. 84 funds
        - Projects on the list for IRWM Plan still need to go out and get funding
- How are changes to members of the Regional Water Management Group made?
    - No formal procedures for replacing members of the RWMG. The State requires 3 representatives from legal entities responsible for water management - if one needs replacing, than a new memorandum of understanding is needed

NOTE: IRWM Plan projects are not guaranteed grant priority and funding but rather are given community support.

- IRWM Plan is:
    - Regional agreement on what is important (i.e. objectives)
    - Does not in any way interfere with the authority of agencies and entities responsible for permitting projects
    - Identifies all possible funding resources for implementation of projects

Plan Performance Monitoring Objectives for the Mojave IRWM Plan (see Handout #3)

The State guidelines include performance monitoring to ensure progress toward implementation of the IRWM Plan. Discussion about criteria for evaluating projects revolved around:

- Setting targets
- Data sources
- Process for gathering data
- Frequency for reporting

The following is a list of recommended criteria for evaluating the progress of projects as reviewed by the group and described in the Plan Performance Monitoring Objectives handout.

Objective 1- *"Balance average annual future water demands with available future water supplies …."*

Recommendation: Leave as is

Comments/Questions:

- Will use Urban Water Management Plans to assess supply and demand balance, supplemented with data from small water systems and outlying areas.
- Can smaller providers use existing reporting mechanisms for State reporting processes?
    - The data is already available from the Watermaster
    - MWA keeps track annually of water needs and supply.
- Should there be a shorter review period than 5 years?
    - More rigid stipulation is not needed since MWA already monitors water conditions on a more frequent basis.
- Is MWA extrapolating the impact of potential state wide water shortages on future water supplies in our region? - Yes

Objective 2- *"Continue improving regional water use efficiency by implementing a portfolio of conservation actions…."*

Recommendation: AWAC to formulate draft targets/criteria for 2a – 2c by mid-January 2014

Comments/Questions:

- Efficiency can be overridden by growth. Shouldn't land use be considered in setting targets?
    - Land use is addressed in Objective 1
- Should DWR target be used? At what point do we reach diminishing returns on conservation efforts?
    - We have already met DWR target for 2020 (20%) - at some point we do reach the floor, where that is we do not know yet
- Do cities and counties include vacant lots in projections for future water needs?
    - No, use population growth by percentage rate. Counting lots is not an effective method for projecting per capita use
- Need to not penalize urban areas that have already achieved conservation goals
    - These are regional goals and not city/county/town specific

Objective 3- *"Maintain stability in previously overdrafted groundwater basins…"*

Recommendation: Project team will devise criteria

Comments/Questions:

- Is this addressed by the adjudication?
    - MWA handles monitoring and tracking for basins within its boundaries
- It is difficult to track overdraft on annual basis, although annual changes need to be done. Should be long term targets
- Need to figure out how do address those smaller entities outside MWA service area

Objective 4 – *"Address the State policy goal of reducing reliance on the Delta…."*
Recommendation: MWA will take lead on devising criteria
Comments/Questions:

- MWA has data on banked reserves, the issue is additional data needed from the newly expanded areas
    - Need to determine where we have data and where we do not
    - Need to identify alternative sources for data

Objective 5 – *"Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands …"*
Recommendation: Project team will devise exact description and process
Comments/Questions:

- How to track these items across the region?
    - Projects with cost savings should share their data with the IRWM Plan groups
        - Forms for reporting

Objective 6 – *"Prevent land subsidence throughout the Region"*
Recommendation: Zero subsidence is the target; 5-yr interval for reporting
Comments/Questions:

- USGS already measures subsidence every 5 years through existing program

Objective 7 – *"Provide support and assistance to disadvantaged communities."*
Recommendation: Measure and track the number of programs implemented in Disadvantaged Communities on an ongoing basis. Target is 10 projects (~ 2 projects per year), programs or investments to be made in the first five years that benefit Disadvantaged Communities
Comments/Questions:

- How will we track projects implemented and programs in Disadvantaged Communities (DAC)?
- Many DACs lack the capacity to collect and track data. There is a lot of uncertainty is quantifying their needs
    - Perhaps measuring grants or debt forgiveness in those areas is a way to track
    - A specific focus instead of a target might be a better way to go
    - Can partner with utility providers
    - Can set a number of projects per year or amount of funding as target in those areas to show progress in Disadvantaged Communities

Objective 8 –*"Improve environmental stewardship related to waterways and water management in the Region."*

Quantitative Measurement 8a

Recommendation: MWA to work with Resource Conservation District (RCD) to develop target

Comments/Questions:

- MWA already works with RCD and U.S. Fish and Wildlife
    - Measurement is covered
    - Data available just need to set a target

Quantitative Measurement 8b

Recommendation: MWA to work with cities and counties develop target

Comments/Questions:

- Different from 8A - many cities and counties have their own programs in environmental stewardship
    - Will need to communicate with communities that border sensitive habitat areas to obtain information on specific programs related to this topic

Quantitative Measurement 8c

Recommendation: MWA to work with RCD to set target

Comments/Questions:

- Same as 8A

Objective 9 – *"Improve floodplain management throughout the Plan area."*

Quantitative Measurement 9a

Recommendation: MWA to develop target

Comments/Questions:

- Look at the IRWM Plan and high priority level projects and then develop a goal to match the implementation of those projects

Quantitative Measurement 9b

Recommendation: MWA to contact flood control coordinators to obtain data and develop a target

Comments/Questions:

- Need to talk to floodplain manager about expected damages and then show reductions with implemented projects

Objective 10 –*"Preserve water quality as it relates to local beneficial use of water supplied by each source…"*

Quantitative Measurement 10a

Recommendation: MWA to work with local Regional Water Quality Board to develop target

Quantitative Measurement 10b

Recommendation: MWA to develop target

Comments/Questions:

- Data is already collected from various sources by MWA, just need to report it

Objective 11 –*"Obtain financial assistance from outside sources to help implement the Plan…"*

Recommendation: Kathy Cortner, MWA chief financial officer, to develop a target for both categories of projects

Comments/Questions:

- Of the projects implemented over the next five years, 25% of total project costs should be through special assistance and cost savings interest loans
- Recommendation for both small and other projects?
    - Should have a different target of each category of projects
- This is easy to track
    - Many state agencies issue statements showing grants and other funds that they have given
    - Project can also provide this information as they progress and report back to IRWM Plan group
- Include low interest and special loans?
    - Yes
- Will there be repercussions if target is not met?
    - No
- Is 25% reasonable?
    - Depends on the scale of the project

Objective 12 – *"Improve public awareness of water supply, conservation…"*

Recommendation: AWAC to develop a target

Objective 13 – *"Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure…"*

Recommendation: Set up a subcommittee to establish criteria and targets after adoption of IRWM Plan

Comments/Questions:

- Deferred maintenance is an issue and methods to ensure projects are maintained is important

Objective 14 – *"Increase the use of recycled water in the Region…"*

Recommendation: Project Team to develop target

Finance Requirements

State guidelines require that the IRWM Plan discuss financing:

- Program level description of the sources of funding which could or will be used for the development and ongoing maintenance
- Potential sources of funding for implementing projects that go beyond what the Plan already has listed
- Potential sources of funding for projects coming into the Plan that go beyond what is already listed

IRWM Plan must address and identify funding sources of all the projects on the list. Currently there is uncertainty about the source funding for many projects on the list.

Comments/Questions:

- What level of detail is required?
    - Not defined yet, will need to establish this soon
- Will need a list of projects sorted by aide entities from MWA
- Need a methodology for generating funding information from project proponents to include in the IRWM Plan document

Wrap Up/Next Steps

Ken Kirby brought the meeting to a close by giving a brief overview of activities and meetings coming up.

- Next meeting is February 6, 2014
    - Revisit Finance
    - Introduce Technical Analysis and Plan Recommendation
    - Confirm Groundwater Management Plan Objectives
    - Address comments from the group on draft sections of the Plan
    - Follow up on project discussions
- Meeting #8 is May 19, 2014
    - Present and discuss public review draft of IRWM Plan
- Meeting #9
    - Prepare for IRWM Plan adoption

At the end of the meeting, stakeholders were asked to review all the discussion handouts and answer the questions on Handout 4 regarding Handouts 1a-1e and Handout 2. Mr. Kirby also encouraged the group to provide comments on Section 4 of the draft IRWM Plan which is available on the project website. As additional sections of the document are posted, the group will be invited to comment. Meeting summaries

are always posted on the project website as well for comment and review. Mr. Kirby then turned the meeting over to Scott Weldy to adjourn the meeting.

Mojave Region
Update of Integrated Regional Water Management Plan

Stakeholder Group Meeting #7 – Summary

February 6, 2014
Mojave Water Agency Headquarters
Apple Valley, CA

Meeting Purpose and Overview

This was the seventh of nine scheduled meetings of the Stakeholder Group for the Update of the Integrated Regional Water Management (IRWM) Plan for the Mojave Region. Objectives for the meeting were to:

- Provide a status update of the IRWM Plan document
- Provide a status update of the Salt Nutrient Management Plan
- Discuss the update of the MWA Groundwater Management Plan
- Discuss final steps for adoption of the IRWM Plan
- Update approach to developing Finance section of Plan
- Finalize Project Lists
- Finalize Plan Performance Monitoring and Reporting
- Introduce Climate Change Vulnerability Assessment

The meeting discussions revolved around the status of the Mojave Integrated Regional Water Management Plan and other related plans, the latest projects recommended for inclusion in the Plan, and finalizing criteria for monitoring performance of the Plan upon its implementation.

There were forty-nine individuals in attendance at the meeting as indicated during the introductions. Ken Kirby, of EVOTO Company and a member of the Consultant Team, served as the facilitator for the meeting.

Introductions

Scott Weldy, Chairman of the Technical Advisory Committee (TAC) to the Mojave Water Agency (MWA), opened the meeting with introductions by all those in attendance followed by approval of the December 16, 2013 Stakeholder Meeting Summary. Mr. Weldy turned the meeting over to Ken Kirby who then provided a brief overview of the agenda and stated that this would be the last meeting in which new topics and plan content would be introduced to the group. There were no comments or questions from

the group at this point and Mr. Kirby continued by providing an overview of the Code of Conduct for the meeting.

Mojave Integrated Regional Water Management Plan – Status Update

Plan Completion

Sandra Carlson, a member of the consultant team, provided a brief status of the Plan document:

- First four sections of the Plan have been completed and are available for public review on the project website.
- Sections 5 through 8 to be completed and available for review by February 14, 2014.
- Sections 9 through 12 are in draft form. Discussions and input from the group during this meeting will inform the remaining sections of the Plan. The remaining sections are projected to be completed and available for internal review by the Stakeholder Group by April 2014.
- Complete draft of the IRWM Plan to be available for review and comment by May 12, 2014.
- Draft Plan sections addressing the expanded boundary areas are under review and pending comments from the agencies within those expanded areas.

Governance

Ms. Carlson also proposed making the Project List an Appendix to the Plan in order to facilitate and streamline amendment of projects and project priorities without requiring formal re-adoption or amendment of the Plan. Revisions to the project list would still require discussion with the Stakeholder Group and the decision making process as previously described.

Comments/Questions:

- Can new projects be added at any point, or do they need to wait until the Plan is updated?
    - Whichever method the group would like to do it will work. The intent is to allow amendment of the projects without a full amendment to the Plan that requires formal adoption.
- Would this include changing a project in Tier 3 to Tier 1?
    - Yes, any changes to the project list, including priority, would be included in this process.
- Is there a potential downside such as projects slipping onto the project list without the agencies knowing?

    - No. Changes to the project list would still require discussion with the Stakeholder Group and the decision making process as previously described.
- To maintain transparency and openness to input, the Plan should clearly define the process for updating the project list.
    - The Plan already includes a description of the process for amendment of projects. The Project Team is only proposing that adoption of the amendments to the project list would not require that the entire IRWM Plan be revised and readopted. Instead, the updated project list could be appended to the existing plan using the existing decision making process. All of the steps for amending the project list will remain (how the decisions will be made, call for projects, public notice).

The group was in favor of making the project list an appendix to the Plan in order to streamline the process for adding new projects to the Plan in the future.

Salt Nutrient Management Plan Status

Lance Eckhart, from MWA staff, provided a brief update on the status of the Salt Nutrient Management Plan:

Recent activities

- Establishment of a comprehensive water quality database for the Region.
- Development of an analytical approach, that has been reviewed and approved by the Regional Boards, to represent the accumulation of salts, total dissolved solids, and nitrates in the groundwater basin.
- With Regional Board buy-in to the proposed approach, we are now proceeding with the analysis (the regional modeling).

Timelines

- The timeline for the Salt Nutrient Management Plan is different from the IRWM Plan, so the SNMP will be adopted through a separate process.
- Adoption of the Salt Nutrient Management Plan is set for September 2014, to coincide with the Lahontan and Colorado RWQCBs adoption schedule of their Basin Regional Management Plan Updates.

Jurisdiction

- The Mojave Planning Area overlaps the jurisdictions of two of the Regional Water Quality Control Boards (RWQCB); the Lahontan RWQCB and the Colorado River RWQCB.

Current Modeling Boundaries

- The model used for the SNM Plan is based on hydrogeology and groundwater quality within the two major basins – Mojave River Groundwater Basin and Morongo Basin.
- Building on 2007 model which measures the accumulation of TDS or salts in the groundwater basins.
- Modeling improvements since 2007
    - Include nitrate accumulation in addition to salts.
    - Increased knowledge of geology – better definition of mixing that can be expected to occur based on the depth of wells instead of the geologic depths the basins.
    - Recent and advanced modeling efforts for surrounding areas are included.
    - More robust water quality data available.
    - Back testing of model to check validity of the results.
- The model will identify trends by simulating the balance of salts over a projected 70 year time period if nothing is done to change the current operational trends, and can also assess whether a proposed project will add to or reduce the accumulation of salts and nutrients.
- Modeling helps to improve understanding of conditions within the groundwater basins past, present, and future (i.e. identify variability of water quality within basins).
- The model will help improve management of the basins to improve water quality throughout the Region.

Comments/Questions:

- With the variability of concentration of salts and nutrients in the areas, is the point of the Salt and Nutrient Management Plan to identify point sources that may be causing over-concentration in certain areas?
    - The model is intended to help identify big changes and trends of water conditions over time in the various basins. A better understanding of the activities within the basins will help agencies identify appropriate regulatory tools and projects to manage specific areas in the Region. It's up to the regulatory agencies to decide how they will use these tools.
- Why were nutrients added to the salt model? What does this do for us in the future?
    - Directive to include nutrients in the salt models resulted from an effort to expedite the use of recycled water and increase water conservation.

    - The purpose of the Salt and Nutrient Management Plan is to provide information to the regulatory bodies to help them understand the current conditions of water in the basins and provide a projection of what will happen based on known inputs using the models.

NOTE: The Salt and Nutrient Management Plan, including the modeling of salt and nutrients, is intended to provide information and help identify cause and effect in relation to development. The Regional Board is asking for this data and information for purpose of analysis.

- Do the Regional Boards have consistent guidelines and standards across the State?
    - The Basin Plans drive the standards from region to region. There are nine regions in the State. These Basin Plans vary depending on local and regional conditions.
- How will the Regional Boards use this information and set expectations?
    - The Regional Boards expect to use this information to provide valuable context about the entire Region and within basins and sub-basins as they address questions about specific locations. They may have to conduct additional analysis to assess specific problem areas and identify potential solutions.
- This effort is funded by Victor Valley Wastewater Reclamation Authority through the RWQCB (via fines, etc.) as a Supplemental Environmental Project (SEP).

Mojave Water Agency Ground Water Management Plan Update

Ken Kirby indicated that a Ground Water Management Plan was prepared in conjunction with the Integrated Regional Water Management Plan in 2004, and therefore this effort to update the IRWM Plan in 2014 also includes an update of the Groundwater Management Plan to stay current and meet new requirements from the State. Mr. Kirby clarified that the Groundwater Management Plan is under the purview of Mojave Water Agency and not the Regional Water Management Group, which is guiding the Salt and Nutrient Management Plan and the IRWM Plan. However, it will be available for all the water districts in the area and so they are invited to participate.

Goals of the Groundwater Management Plan:

- Increase awareness of groundwater quality.
- Increase coordination among the agencies in the Region.

- Improve the management of water resources.
- A groundwater management plan is required to qualify for State funding for groundwater projects.
- Tool to help meet the California Statewide Groundwater Elevation Monitoring requirements.

The Project Team proposes that the objectives of the IRWM Plan be used for the Groundwater Management Plan Update as they are relevant and meet the State's requirements (see Handout #1 Proposed Groundwater Management Plan Basin Management Objectives). The Stakeholder Group agreed that the objectives developed for the IRWM Plan are appropriate for the GWM Plan.

Schedule for Completion of IRWM Plan

Mr. Kirby reviewed the IRWM Plan schedule for January 2014 through June 2014 (see Handout #2 Schedule of Important Events to Complete Mojave IRWM Plan and Companion Documents). At this point, the upcoming schedule of activities reflects the fact that after today's meeting we are no longer developing new content for the Plan but are now moving forward towards final review and adoption of the Plan. The Final IRWM Plan is expected to be presented at the 9th Stakeholder Meeting, scheduled for June 23. After that date Regional Water Management Group members and project proponents will be asked to adopt the Mojave IRWM Plan at their earliest convenience.

Revisions to the schedule include the following:

- February 14: Comments due from Stakeholder Meeting #7 and IRWM Plan Sections 5-8. *Due date changed to February 21.*
- Since additional review and preparation of the Salt and Nutrient Management Plan is needed, the schedules for the Salt and Nutrient Management Plan and the IRWM Plan will no longer coincide. *The time frames reflected in the Schedule will be revised.*

Project Financing Discussion

Kathy Cortner, Chief Financial Officer for the MWA, discussed the intended financial aspects of the IRWM Plan. In compliance with the California Water Code, projects in the IRWM Plan must provide specific financing information. The Project Team is developing a form to get financial information about projects, their budgets, and financing options. The information will be used to identify funding resources and prepare the Financing section of the Plan. The form should be available March 3, 2014.

NOTE: While all the projects in the Plan should complete the form by providing as much financial information as possible, Projects in Tier 1 are expected to fully complete the form because at this point they are the highest priority projects in the Region and are expected to proceed in the near future.

Comments/Questions:

- How is this going to work for projects like Project 1003 Assistance Programs for Small System Improvements which is made up of several individual entities?
    - That program was created to capture all the proposed small water system improvement projects. As individual projects become more fully defined, then they will be pulled out of that Project 1003 umbrella and ranked accordingly.
- How is this applicable for conceptual projects?
    - The forms can be completed with as much information that is known. If there is no information, or it is still being figured out, then that should be indicated on the form.
- Do projects in Tier 3 also need to provide budget information?
    - It can be provided later. As projects move up in priority ranking then the detailed budget information becomes more critical and the form should be filled out.
- Regarding the proposed Cadiz project, if budget information is provided and funding is secured, would the project be moved up in ranking from Tier 3?
    - The proposed Cadiz project is up for discussion by the group later in the meeting. While it is recommended to be included in the Plan as a Tier 3 project, the group has yet to discuss and formally decide whether to include the project in the Plan.
- If a project does not provide budget information, will it lose its priority ranking?
    - It is preferred that the information be provided as soon as possible. In order for projects to go beyond conceptual or plan stages, a budget will eventually be needed in order to move forward.

Finalizing the Project List

Mr. Kirby provided a recap of the screening and review process for projects, and of changes made to the Project List since the previous Stakeholder meeting on December 16, 2013 (see Handouts 3a-3c). This included a new project submitted from Running Springs Water (Project No. 130) and additional information submitted by the project sponsor for

the proposed Cadiz Valley Water Conservation, Recovery, and Storage Project. Before these projects were reviewed, there was a discussion concerning projects that may benefit disadvantaged communities (DACs).

Comments/Questions:

- What is the difference between Disadvantaged and Severely Disadvantaged Communities, and why aren't Severely Disadvantaged Communities included in the Plan?
    - The Plan was developed using the description and criteria of a Disadvantaged Community prescribed by the Department of Water Resources (DWR) as they relate to the Integrated Regional Water Management Plan. DWR does not differentiate between Severely Disadvantaged and Disadvantaged Communities. If a project addresses critical water supply or water quality needs of a Disadvantaged Community, then that project could qualify for 100% financing from DWR after the project is completed – it is reimbursable funding.
    - Different organizations that are administering financial assistance programs for projects have their own criteria for funding and some of those include a distinction between Severely Disadvantaged and Disadvantaged Communities. The IRWM Plan is being developed under the DWR purview for funding and is therefore using their guidelines regarding Disadvantaged Communities. However, Prop 84 funds as offered by DWR are just one funding source and there are other sources available to projects particularly for those in a Disadvantaged Community. Inclusion in the IRWM Plan can help a project qualify for a variety of funding programs and projects proponents are encouraged to explore those options in addition to Prop 84.

Project 130 Sewer Lift Stations Nos. 1 and 3 Improvements (Running Springs Water District)

During the last Stakeholder Meeting on December 15, 2013, a special call for projects was made to accommodate the submission of potential projects from proponents in the IRWM Plan boundary expansion areas on or before January 15, 2014. One additional project from the recently included areas was submitted for review and inclusion in the IRWM Plan: Project 130 Sewer Lift Stations Nos. 1 and 3 Improvements (Running Springs Water District). A representative from the Running Springs Water District explained that the project was designed to protect the headwaters of Deep Creek from a possible overflow

from two sewer lift stations. The project was recommended to be included with a priority of Tier 2: high importance, medium urgency. Mr. Kirby explained that he had made this initial recommendation based on a review of the project submittal as a starting point for conversation. The Stakeholder Group agreed with the recommendations as proposed.

Project 12 Cadiz Valley Water Conservation, Recovery, and Storage Project

Mr. Kirby explained that during the original screening process for projects, Project 12 Cadiz Valley Water Conservation, Recovery, and Storage Project was screened out due to a lack of information. During the December 16, 2013 meeting, the Stakeholders group asked the project representative to submit additional information needed for the review process so it could be considered for inclusion in the IRWM Plan by the group at today's February 6, 2014 meeting. Additional project details were provided by the project representative:

- The proposed project for the Mojave IRWM Plan includes a subset of the overall proposed Cadiz Valley Water Conservation, Recovery, and Storage Project.
- Under the proposed project for the IRWM Plan, groundwater extractions would occur outside of the Mojave Planning Area and would be imported into the Mojave Planning Area via two pipelines.
- Santa Margarita Water District was the lead agency for the overall Cadiz project and certified the EIR.
- San Bernardino County approved the associated Groundwater Management Plan and is responsible for the onsite monitoring of the groundwater at the Cadiz site.
- The proposed project for the Mojave IRWM Plan involves two potential pipelines between Cadiz and the Mojave Region.
- The overall Cadiz project is expected to be able to deliver 50,000 acre/feet of water per year to potential future project partners and at least 20% of this amount (i.e. 10,000 acre/feet) has been committed for the benefit of San Bernardino County

Meeting participants were given the opportunity to ask questions regarding the proposed project at this point.

Questions:

- Is the inter-basin transfer of water OK with the State, i.e. transferring water out of one basin into another?
    - Yes, both surface water and groundwater can be transferred. The Mojave Region already receives and uses significant amounts of water from outside the Region through the State Water Project.
- Based on the screening criteria for the projects, what agency from the Mojave Region is identified as the project proponent?

    - The criteria we used for the update of the Mojave IRWM Plan does not require that a project proponent has to be local, just that each project must have a qualified proponent that can carry the project forward. A local agency has not yet been identified as project proponent for the project submittal.
    - Mr. Floyd Wicks (the Cadiz project representative present at the Stakeholder meeting) stated that there is a high degree of interest in the potential project. However none within the Mojave Region have committed to participate in the project at this time.
- What are the project benefits to the Mojave Region, specifically?
    - Mr. Wicks stated that the project would dedicate at least 10,000 acre/feet exclusively to the county. If a local agency within the Planning Area expressed interest in participating in the project, Mr. Wicks reported that he believes there is a strong likelihood that county leadership would support the Cadiz project water committed for use in San Bernadino County be for the Mojave Region given the water constraints and high needs in the area.
    - The project could add an additional source of reliable water supply to the Mojave Region during a period when the State Water Project and other sources of water are becoming increasingly uncertain.
- How much of the Cadiz project water is committed to the Santa Margarita Water District given the assumption that this project is largely financed by them? And, how much water is truly available after that commitment is fulfilled?
    - Mr. Wicks explained that the project is not directly financed by the Santa Margarita Water District but rather the pipeline between Cadiz and the Colorado Aqueduct is. They have committed to purchase 5,000 acre feet with an option to go up to 15,000 acre feet of the total 50,000 acre feet. There are other utility companies that have signed up to purchase water from the project (Golden State Water will purchase 5,000 acre feet).
- Has there been a resolution to discrepancies in the project's hydrological reports for the Cadiz Basin?
    - Mr. Wicks indicated that they weren't sure what the discrepancies are. If there is a specific issue in question we can find out.
- How long have you (Mr. Wicks) been on the project's management team and how often has it changed hands in the past year?
    - Mr. Wicks stated that he has been on retainer for the project for two years. He is not an employee of Cadiz. He represents Cadiz as

a consultant, and has been hired to oversee the engineering analysis for the project.

- Is the 10,000 acre feet of the project's water that is committed to San Bernardino County 20% of the total project water or only a portion of that 20%?
    - The project is presented as a 50,000 acre foot project. 20% is 10,000 acre feet.
- If an entity in this area wanted to contract with Cadiz for water, how quickly could the project move water to this area?
    - Mr. Wicks stated that currently, delivery of water from the Cadiz project is projected to take place in year 30 of the project, but if needed it could be supplied in approximately two years.
- Is that 10,000 acre feet of water dedicated to all of San Bernardino County or to the Mojave Region?
    - Mr. Wicks stated that as part of the original formulation of the project, there was a commitment that at least 20% of the water would stay in San Bernardino County. The project proposal for IRWM Plan indicated that the project could provide up to 10,000 acre feet of water to the Mojave Region if there were interested parties.
    - There have not been discussions regarding the provision of water to the County beyond the Mojave Region.

Mr. Kirby made an initial recommendation to the Stakeholder Group that the Cadiz project be included in the Mojave IRWM Plan was based on the following assessment:

- The project meets the high priority objectives of the Plan, particularly Objective 4 to decrease reliance on the Delta.
- The project was ranked 3 on the Get Real Index because there is no vocal local supporter for the project to give it momentum to move forward.

At this point in the meeting, participants were given the opportunity to discuss the project, provide comments and express their opposition and/or support for the project.

Comments/Questions:

- Mojave Water Agency received a fax on February 6, 2014, from the Archeological Heritage Association in Needles, CA stating their opposition to including the Cadiz project in the Mojave IRWM Plan.
- Seth Shteir, a representative from the National Parks Conservation Association (NPCA) stated his group was also opposed to including the Cadiz project to be in the Mojave IRWM Plan. Reading from a letter

signed by U.S. Senator Diane Feinstein and U.S. Congressman Paul Cook, Mr. Shteir of NPCA said that their major concerns about the proposed project include that the project is highly controversial, unsustainable, and could harm the seeps and springs of the Mojave National Preserve. The project would pump 50,000 acre feet of water per year for 50 years putting a fragile desert aquifer in overdraft for the life of the project.

- Does the IRWM Plan address legal process and its impact on projects?
    - The screening criterion for IRWM Plan projects does not include lawsuits.
- Mr. Shteir of NPCA stated that all stakeholders in the area, those directly and indirectly affected, should be given an opportunity to voice their concerns about the project and learn about potential impacts to them. The Needles community is opposed to the project due to associated potential negative impacts as are local tribes and ranchers.
- How much water is being lost via evaporation and over what time frame?
    - Mr. Wicks stated they had estimated it to be approximately 35, 000 acre feet per year. The primary reason for pumping 50,000 acre feet is to bring down the water level below the hydraulic system that transfers the water to the dry lake beds and is then evaporated.
- Mr. Shteir of NPCA stated that most of the recharge studies about the area that were not conducted in association with the project sponsor indicate that the projects' recharge estimate is 3 to 16 times too high and that the project will lead to significant depletion of water resources in the area. In addition, while perhaps not all of the seeps and streams are connected to the aquifer, there are almost certainly a few that are and further site specific analysis should be done to accurately identify and assess impacts.
- Is there new information with regard to how seeps and streams are affected by the project?
    - Mr. Wicks stated that a more recent report has been conducted since the original 2012 studies, which indicates that there are no seeps and streams hydraulically connected to the pumping of the aquifer and therefore not a concern for the project. The report will be provided to group for their review.
- Mr. Shteir of NPCA stated that even though the previous studies were conducted in 2012 to assess conditions of the aquifer and potential impacts related to the project, the aquifer conditions haven't changed to render different conclusions in 2014. In addition, the cone of depletion

could continue to expand for 50 years in a delayed response of the aquifer to pumping activities of the project.

- Another stakeholder suggested that a contingency list should be developed in the Plan for contentious projects with major issues of concern that may later get resolved and can then be added to the Plan, such as the Cadiz project.
- What sort of requirements in the project have been placed on Cadiz to monitor and avoid negative impacts if any?
    - Mr. Wicks stated that the project includes a very detailed Ground Water Management Plan. San Bernardino County is the policing agency for the project.
    - Specific information and details about the recourse for the project if negative impacts occur will be provided to the group for their review.
- A stakeholder noted that although the Mojave Region is challenged by cut backs from the State Water Project and diminishing natural resources, it is difficult to support a project that would export 4/5 of the water outside the area of origin for use elsewhere just to have access to 1/5 of the water supply within this Region.

Mr. Kirby closed the discussion and comment session for the Cadiz project and called for a vote from the group.

Recommendation: Include Project 12 Cadiz Valley Water Conservation, Recovery, and Storage Project in the Mojave Integrated Regional Water Management Plan as a Tier 3 project.

1st Vote: In favor of the recommendation to include Project 12 in the Plan – 14
Deny the recommendation and not include Project 12 in the Plan – 14
Include Project 12 in the Plan but at a lower priority ranking – 5

Since the decision making process emphasizes reaching broad agreement, Mr. Kirby pointed out that the show of hands indicated that the group had not yet reached broad agreement about what whether to include the proposed project in the IRWM Plan.

2nd Vote: In favor of the recommendation to include Project 12 in the Plan – 11
Deny the recommendation and not include Project 12 in the Plan – 20

Based on the second show of hands, Mr. Kirby summarized that the Stakeholder Group appeared to have reached broad agreement that the proposed Project 12 would not be included in the IRWM Plan at this time. The group concurred.

Reasons for not including the project at this time:

- Participants have concerns about the potential negative effects (from this project) on local water resources that have not been reconciled by the conflicting findings of studies conducted to date.
- There is not a local sponsor or strong proponent for the project within the Mojave Planning Region.

NOTE: Even if a project is not included in the IRWM Plan now, it could be added at a later date through the periodic review and update processes described in the Plan.

Finalize Plan Performance Monitoring and Reporting

During the previous Stakeholder Meeting on December 16, 2013, members of the Stakeholder Group and the Project Team were assigned to develop recommendations for specific targets and approaches for the Plan Performance Monitoring Objectives to finalize that portion of the Plan during this February 6, 2014 meeting.

Mr. Kirby reviewed the recommendations for targets and approaches of the Plan Performance Monitoring Objectives (see Handout 4 Updated Plan Performance Monitoring Objectives for the Mojave Integrated Regional Water Management Plan). The recommended changes and additions to the Plan Performance Monitoring Objectives were supported by the group with minor revisions made during the meeting.

The following is a list of additional revisions to the recommended criteria for evaluating the progress Plan implementation as reviewed by the group and described in the Updated Plan Performance Monitoring Objectives handout.

Objective 2- *"Continue improving regional water use efficiency by implementing a portfolio of conservation actions…."*

Recommendation: Accept recommended targets/criteria for 2a – 2c (reflected in the Handout 4)

Comments/Questions:

- Do these goals and targets take into account future urban growth?

    - Yes, targets are based on per capita use. For example, the target for 166 gallons per person per day is based upon the total population instead of the amount of water that is pumped.
    - The State's goals are 170 gallons per person per day and the IRWM Plan is looking to go beyond that with a target of 166 gallons per person per day.
    - It was noted that some recent reductions in water use may be due, in part, to the economic downturn, and not just progress achieved through local conservation.
- How does this target work in areas that are predominately set up with septic systems
    - These targets are about applied water use efficiency and not return flows, and therefore not affected by the use of septic systems.

Objective 5 – *"Optimize the use of the Region's water related assets to maximize available supplies to meet projected demands …"*

The Project Team developed a target and approach for 5a and 5b, and requested assistance from the group during the meeting for 5c.

Recommendation: Develop a form/questionnaire for project proponents to provide estimated cost savings related to project improvements and efficiency that can then be compiled to estimate what the cost savings are for the Region.

Objective 8 –*"Improve environmental stewardship related to waterways and water management in the Region."*

Recommendation: MWA to work with Resource Conservation District (RCD) to develop targets for 8a and 8c.

Qualitative Measurement 8b to read "Measured by the number of new and enhanced recreational projects that are connected to the environmental stewardship programs.

Add new Qualitative Measurement 8d to include constructed wetlands. Target to be one constructed wetland every 5 years.

Comments/Questions:

- Is 50 wet acres a reasonable target for 8a?
    - To be determined between MWA and Resource Conservation District (RCD).

- To avoid confusion, remove the word "new" and replace with "new and enhanced" for Qualitative Measurement 8b.
- Add a component to this objective regarding constructed wetlands to expand environmental stewardship.

Objective 10 –*"Preserve water quality as it relates to local beneficial use of water supplied by each source…"*

Recommendation: Remove Target and Approach 10a.

Target 10b to read "Maintain water quality objectives in the Basin Plan".

Comments/Questions:

- Regarding target 10a, there is no tangible way to track meetings.

Objective 12 – *"Improve public awareness of water supply, conservation…"*

Recommendation: Remove Target and Approach 12c.

Comments/Questions:

- Target 12c is identical to 8b.

Objective 13 – *"Identify and establish reliable funding sources to maintain, modernize and improve water infrastructure…"*

Recommendation: Set up a subcommittee to establish criteria and targets after adoption of IRWM Plan and reference current laws that require tracking of deferred maintenance.

Comments/Questions:

- No one really tracks their deferred maintenance.
- Could we leave this blank and say it's something to think about in the Plan?
- Current requirements (i.e. AB 240 and AB 54) are now changing with regard to tracking of deferred maintenance, especially for smaller water systems.

Climate Change Vulnerability Assessment

The IRWM Plan includes climate change considerations as required by the State guidelines. MWA, in joint effort with U.S. Bureau of Reclamation, prepared a Climate Action Plan that focused on three objectives:

- Assess future water supplies, including native surface water flows and imports
- Project potential changes in flood frequency

- Develop a green house gas emissions (GHG) inventory for the water sector. (The findings related to GHG will be included in the IRWM Plan).

Main findings and projections in the Climate Action Plan were:

- Slight declines in precipitation with large variability and increases in temperature.
- Greater decreases in native surface water flows in the future (time frame 2050 to 2070).
- 25% to 40% reduction in snow from the Sierra Nevadas.
- Slightly lower delivery from the State Water Project than estimated in previous studies.
- No change in flood flows from the Mojave River Dam and Lower Narrows in Victorville (inflows and outflows).

A checklist, per State guidelines, has been developed for the Plan to identify watershed characteristics that are vulnerable to future climate changes and help assess regional vulnerabilities (see Handout 5 Draft Climate Change Vulnerability Checklist). The completed Checklist will be included as an Appendix to the Plan.

Status Update of Proposition 84 Grant Applications

Lance Eckhart from Mojave Water Agency provided a brief update on the status of the two grant applications previously submitted for Prop 84 Round 2 grant funding.

1. Subregional Recycled Water Treatment Plants (Apple Valley and Hesperia). This project is located in the Lahontan Funding Region. Originally requested $3 million. The project was awarded $1.5 million. After lobbying efforts to show how the project and grant application was a collaboration of different agencies and entities and that the funding was intended to assist several projects in the Region, the award was amended to $3 million. This $3 funding should be available within one year.
2. Hi--Desert Water District Wastewater Treatment Plant. This project is located in the Colorado Funding Region. The project was not funded.

Wrap Up/Next Steps

Ken Kirby brought the meeting to a close by asking stakeholders to review all the discussion handouts and answer the questions on Handout 6: Summary of Requested Review, Comments and Input. Mr. Kirby reminded the group that this was the last meeting in which new information would be presented. He also asked that projects in Tier 1 complete the financial worksheet as soon as possible.

Mr. Kirby then turned the meeting over to Scott Weldy who thanked the Project Team and consultants for their efforts on the Plan. He announced that the next Stakeholder Meeting would be May 19, 2014. Mr. Weldy then thanked everyone for their participation in the process and adjourned the meeting.

Mojave Region
Update of Integrated Regional Water Management Plan

Monday, May 19, 2014

9:30 am-1:30 pm

Mojave Water Agency Headquarters

13846 Conference Center Drive Apple Valley, CA 92307

Regional IRWM Plan Meeting No. 8 Agenda

1. Welcome and Introductions (10 minutes) (Note: Durations for agenda items are approximate)
2. Review IRWM Plan Development Process (10 minutes)
    a. Review Goals for the IRWM Planning Process (Handout 1)
    b. Review the overall approach to updating the IRWM Plan
    c. What has happened since previous Stakeholder Meeting
    d. Highlight Significant Changes in draft Mojave IRWM Plan (Handout 2)
3. Discuss public review draft of the Mojave IRWM Plan (60 minutes)
    a. An overview (Handout 3)
    b. Verify results from ranking of Climate Vulnerability Assessment (Handout 4)
    c. Consider a request for change in priority for Project 57 – Recycled Water Distribution System (City of Hesperia)
    d. Questions and discussion about the entire Plan
    e. Comments and recommended revisions
4. Update on Salt Nutrient Management Plan (SNM Plan) (10 minutes)
5. Break (10 minutes)
6. Discuss Update of the MWA Groundwater Management Plan (GWM Plan) (10 minutes)
7. Discuss Remaining Steps to Completion and Adoption (15 minutes)
    a. IRWM Plan - Process for submittal to DWR for Plan Review Process (PRP)
    b. SNM Plan
    c. GWM Plan
    d. Schedule of Important Events (Handout 5)
8. Update on Drought Grant Funding - $200M through IRWM Plan, need approved IRWM Plan early fall - Project Selection Discussion (Handout 6) (45 minutes)
9. Wrap Up / Action Items (10 minutes)
    a. Questions or Discussion about Next Steps
    b. What We Are Asking of You (Handout 7)
    c. Thank You!

Handouts

Handout 1 – Goals for the IRWM Planning Process
Handout 2 – Significant Changes to the Draft IRWM Plan since Previously Posted
Handout 3 – Overview of 2014 IRWM Plan Compared to 2004 RWMP
Handout 4 – Prioritized Climate Change Vulnerabilities
Handout 5 – Schedule of Important Events
Handout 6 – Prop 84 Grant Drought Funding Project Recommendations
Handout 7 – Summary of Requested Review, Comments, and Input

Mojave Region
Update of Integrated Regional Water Management Plan

Monday, June 23, 2014

10:00 am-12:00 pm

Mojave Water Agency Headquarters

13846 Conference Center Drive Apple Valley, CA 92307

Regional IRWM Plan Meeting No. 9 Agenda

1. Welcome and Introductions (10 minutes) (Note: Durations for agenda items are approximate)
2. Discuss Comments Received on Public Review Draft of the Mojave IRWM Plan and Changes Made in Response (45 minutes)
    a. Highlight significant changes made to Mojave IRWM Plan (Handout 1)
    b. Questions and discussion about the entire Plan
    c. Is the Plan ready for adoption?
3. Discuss IRWM Plan Adoption (20 minutes)
    a. Who needs to adopt?
    b. How to adopt?
    c. When?
4. Update on Drought Grant Application (10 minutes)
5. Wrap Up / Action Items (10 minutes)
    a. Questions or discussion
    b. Thank you!
6. Celebrate Completion of Plan Update

Handouts

Handout 1 – Significant Changes to the IRWM Plan since Previously Posted

Appendix A.6

Summaries of Public Workshops

MOJAVE IRWM PLAN UPDATE

PUBLIC WORKSHOPS AND
DISADVANTAGED COMMUNITIES MEETINGS
June 2013

SYNOPSIS

EXECUTIVE SUMMARY

In order to help guide the update of the Mojave Integrated Regional Water Management Plan, the Mojave Water Agency and other members of the Mojave Integrated Regional Water Management Plan (IRWM Plan) Project Team held a series of workshops and meetings throughout the Mojave Region to engage community members in the update process and identify their community-specific concerns and needs relating to water resources. Seven public meetings and workshops were conducted in various communities located throughout the Mojave Region to increase public participation and obtain meaningful input from a diverse range of community members.

All of the workshops and meetings had similar formats consisting of a brief presentation on the Mojave IRWM Plan Update process, small group discussion sessions, and ended with each small groups reporting to the larger collaborative group on their findings and conclusions.

Five common areas of concern emerged during the small group discussion sessions of all the meetings and workshops:

- Rising cost of water
- Declining water quality
- Limited water resources
- Limited funding resources to address water-related needs
- Need for regional collaboration to carry out projects

During the small group discussion sessions held during the meetings and workshops, participants also reviewed and prioritized a list of key water resource related topics for the Mojave IRWM Plan. The top three priority water-related topics that workshop and meeting participants across the Mojave Region

ranked as most relevant in their community were 1) Water Supply and Conservation; 2) Water Quality; and 3) Cost of Water Resources.

INTRODUCTION

Meaningful participation and input from community members and stakeholders are key in developing objectives, projects and programs within the Mojave IRWM Plan to address water-related issues in the geographic area covered by the Mojave IRWM Plan (or Mojave Region). As such, it is important to encourage public participation and work in partnership with community members and stakeholders to identify the water-related challenges and opportunities in the Region. This has been a high priority during the update of the IRWM Plan. In order to provide ample opportunity for public participation, seven meetings were held throughout the Mojave Region. Four Public Workshops were intended for any and all members of the public, and three additional meetings were geared specifically to involve residents of Disadvantaged Communities (DAC) in the Mojave Region. Most of the Mojave Region is comprised of Disadvantaged Communities. Disadvantaged Communities are defined by the State of California as any community where the median household income (MHI) is below 80% of the statewide median household income (SMHI).

Since the intent of the outreach efforts was to identify the water-related challenges and opportunities of the Mojave Region at the community level, the Public Workshops and DAC Meetings were designed to provide the same information for the public and have similar formats. A benefit to making the meetings similar was that it allowed flexibility for people to attend a meeting and ensure that there were no gaps in the information provided across the Region. In addition, while the majority of the Mojave Region is considered to be disadvantaged, some members of those DAC may not be aware that they are considered as such and may have been more inclined to attend a Public Workshop instead of a Disadvantaged Community Meeting.

Because the information collected during the public workshops and DAC meetings is intended to help in the design of IRWM Plan objectives, projects and programs, this synopsis focuses on high-level priority issues identified by public input. In addition, the information presented herein is not intended to comprise a statistically representative sample of the Mojave Region population. Instead the intent is to provide a sense of the water-related priorities expressed by the community members who participated in the workshops and meetings and who were motivated to comment on water issues. In all the workshops and meetings the community members that participated expressed genuine concern and care about their water resources. The participants were also very knowledgeable about their local water conditions and provided meaningful input.

METHODOLOGY

A. Public Outreach

The Public Workshops and DAC Meetings were publicized on the project website (www.mywaterplan.com), with flyers posted in public areas, distributed via U.S. mail, and were advertised in local newspapers. A reproduction of the project website and the flyer are attached as Appendices A and B.

In order to engage a diverse range of community members, seven workshops and meetings were conducted in communities located throughout the Mojave Region. Each had a similar agenda and format, and participants were encouraged to attend at the most convenient time and location. Table 1 below provides details of meeting dates, times, locations and number of participants.

Table 1: Public Outreach

Public Workshops	
Date and Location	**Number of Participants***
Lucerne Valley Tuesday, June 4, 2013 5:00 p.m. – 7:00 p.m. Lucerne Valley Senior Center 10431 Allen Way, Lucerne Valley, CA	51
City of Barstow Wednesday, June 5, 2013 7:00 p.m. – 9:00 p.m. Barstow Senior Center 555 Melissa Avenue, Barstow, CA	18
City of Victorville Thursday, June 5, 2013 6:30 p.m. – 8:30 p.m. Victorville City Hall – Conference Room D 14343 Civic Drive, Victorville, CA	3
Newberry Springs Saturday, June 8, 2013 1:00 p.m. – 3:00 p.m. Newberry Springs Community Center 30884 Newberry Road, Newberry Springs, CA	22
Disadvantaged Communities Meetings	
Date and Location	**Number of Participants***
Piñon Hills/Phelan Monday, June 10, 2013 6:30 p.m. – 8:30 p.m. Piñon Hills CSD 10433 Mountain Avenue, Piñon Hills, CA	10
Helendale Tuesday, June 11, 2013 6:30 p.m. – 8:30 p.m.	8

Helendale CSD 26540 Vista Road, Suite C, Helendale, CA	
Town of Yucca Valley Wednesday, June 12, 2013 6:30 p.m. – 8:30 p.m. Yucca Valley Senior Center 57090 Twentynine Palms Highway, Yucca Valley, CA	36

**Based on the number of attendees who signed in.*

B. Format of Workshops and Meetings

All the workshops and meetings had an interactive format consisting of a brief information presentation followed by prompted dialogue between project team members and participating community members. Upon arrival, attendees were asked to sign in and were given a workshop booklet containing informational materials (see Appendices C and D). A brief presentation outlining the background, purpose, and the update process of the IRWM Plan was given at the start, followed by an opportunity for participants to ask questions. Workshop attendees were then gathered into smaller groups for discussion sessions. After the small group discussion sessions, volunteers from each group gave a brief report on their group's findings to the larger collaborative group. The workshops and meetings ended with a recap of overarching themes and findings from the group discussions. This was then followed by an opportunity for additional comments from the larger group. The overall amount of time for each workshop and meeting was approximately two hours. Detailed summaries of the Public Workshops and DAC Meetings are attached as Appendix E.

Content for the workshops and meetings was primarily structured according to water-related topics identified by the project team and technical advisory committee to guide the development of the Mojave IRWM Plan Update. However, participants were encouraged to share or provide feedback on other water-related topics during their small group discussion sessions and on comment cards provided to them at the start of the meetings and workshops.

KEY FINDINGS

During the small group discussion sessions of the workshops and meetings, a member from the project team acted as facilitator and led discussions to solicit feedback on issues and opportunities related to the Mojave IRWM Plan Update. While various similar water issues and concerns emerged from the various communities during the workshops and meetings, the level of importance and the perception of those issues and concerns varied from community to community.

A. Overarching Themes and Concerns

Based on the information collected during the Public Workshops and DAC Meetings there were five general water-related challenges and opportunities shared by communities across the Mojave IRWM Plan Region. The following list is not organized by level of importance and only describes those issues and

concerns that were common among most communities in the Region, as recorded during the workshops and meetings.

- **Cost of Water** – Many participants expressed that the high cost of water was a big concern resulting primarily from a decrease in the water supply due to a variety of factors. Some of the factors they reported were: lack of regulation of and over-pumping by larger water users and operators, new development and unstructured growth resulting in overdraft of local groundwater basins, and inadequate fee structures.

- **Low Water Quality** – Based on comments received during workshops and meetings, the quality of water in some communities in the Region is affected by high concentrations of septic systems in proximity to the groundwater basins that serve as the community's water source. According to several participants, low water quality is also a result of increased exposure to contaminants from other sources, including low-quality water migrating from adjacent basins. Other factors cited by participants were: irrigation and maintenance of recreation and agricultural uses (i.e. golf courses, alfalfa farms, etc.), industrial dumping, and mining activities. Participants also indicated that water contamination in some parts of the Region is resulting from improper use of abandoned wells - open wells are sometimes used for dumping and expose groundwater resources to surface contaminants during storm events.

- **Limited Water Resources** – Many of the participants from the workshops and meetings indicated much concern about diminishing water supplies. In some communities, participants indicated that overdraft conditions of local groundwater basins were due in part to large well owners and new developments pumping too much water, limiting the groundwater basins as a source of water. Increasing contamination of groundwater basins and diminishing water quality further limit the use of already limited resources. Other community members indicated that the amount of water that is imported to the Region is steadily decreasing and that the use of hauled water from other areas is also very limited.

- **Limited Funding Resources** – One of the toughest challenges identified during the workshops and meetings was the lack of monetary resources necessary to fund efforts to resolve local and regional water issues. In identifying specific water issues, many participants also identified opportunities for resolving said issues, including establishing a sewer system to replace septic systems, providing incentive programs to promote and increase conservation practices, and expanding and improving existing infrastructure to increase water efficiency. However, almost always following identification of opportunities to resolve water issues, participants also acknowledged that getting funding for any special projects could prove to be difficult and therefore a major challenge for the Region.

- **Regional Collaboration** – During several of the workshops and meetings, participants pushed for more regional collaboration among agencies as a method for resolving water-related issues. Some participants said that agencies could work together in coordinating mutually beneficial projects to help offset the associated costs of the projects. In addition, some participants indicated that regional collaboration among agencies and communities could more significantly manage the demand on water resources.

B. Community-Specific Issues

An important observation that came out during the workshops and meetings was that although many communities in the Mojave Region may have similar desert settings and share common concerns over water resources, each community has a unique perspective on the specific challenges that they face with regard to water. Below are community-specific concerns that emerged during the workshops and meetings. Detailed comments provided by participants during workshops and meetings is provided in the individual summaries for each meeting and included in Appendix E.

1) In **Lucerne Valley**, participants expressed frustration with the current regulatory system and Adjudication of the Mojave River, indicating that water rights are uncertain and that there is a lack of enforcement on water use. Participants indicated that large water users and minimal producers are not subject to the same pumping stipulations and that some water users go unregulated as they are not required to use meters. Some participants also stated that they

felt the regulatory agencies have a lack of authority to enforce water use stipulations because new water users and producers in the Region are not part of the Adjudication and not liable for the amount of water they pump. As a result, small water users and residents are incurring the cost burden of digging deeper wells and are facing ramp down orders on water use due to overdraft conditions in the groundwater basin.

2) In **Barstow**, there was a general mistrust of the local water purveyor and participants indicated that they felt water fees were high, unjustified, and that rate baselines should be re-assessed. Some participants also suggested that rate-payer advocates should be more responsive to water users.

3) In **Victorville**, participants indicated that there was a significant need to educate the general public about water resource conditions, including the need for water conservation. This would be helpful in dispelling common misconceptions that water supply is not a problem and that water quality is low, based on the taste of the water.

4) **Newberry Springs** is primarily an agricultural community and participants from the community showed great concern about heavy-handed regulations on water use and seeming unfairness of the Mojave Adjudication. Participants indicated that steep ramp down orders on use is affecting the community's livelihood. Participants at the public workshop expressed interest in exploring alternative farming practices and advanced technology in order to improve conservation and minimize potential contamination of local water resources.

5) The **Piñon Hills and Phelan** community members that participated in the meeting focused on improving and increasing conservation efforts. They felt that it was important to provide incentives and educate the general public on the importance of conservation and the value of water. Protecting local roads and highways from flooding and damage due to mud flows was another priority expressed by community members. Meeting participants suggested developing stormwater catch basins near Heath Creek and Upper Sheep Creek for the dual purpose of preventing mud flows and groundwater recharge.

6) In **Helendale**, participants were very interested in expanding options for water use to include tertiary (recycled) water. Some participants suggested that the functionality of tertiary water could be expanded for use by local residents and could be blended with local lakes rather than diverting all of it to golf courses for watering grass fields.

7) Like most other community members who participated in the workshops and meetings, participants in the **Yucca Valley** community expressed concern about the cost of water. However, there were opposing approaches suggested for addressing the cost of water presented during discussions by community members. Some participants were concerned about rising water costs and suggested phasing or staggering water projects in order to control spikes in associated water fees. Other suggestions included adjudicating the rest of the Region to control water usage/pumping, and applying the same water rates for small water consumers to large water users (towns and parks). Other participants questioned whether water prices were artificially low and perhaps the true value of water is not reflected in fees and rates.

C. Priority Water Topics Identified For The Mojave IRWM Plan Update

In the small group discussion sessions held during the meetings and workshops, participants reviewed and prioritized a list of key water resource related topics for the Mojave IRWM Plan. The following chart indicates the regional priority ranking and overall number of votes for each water-related topic per meeting and workshop. The top three priority water-related topics that workshop and meeting participants across the Mojave Region ranked as most relevant in their community were 1) Water Supply and Conservation; 2) Water Quality; and 3) Cost of Water Resources.

Regional Priority Ranking of Water-Related Topics in the Mojave Integrated Regional Water Management Plan Update

Water-Related Topics	Lucerne Valley	Barstow	Victorville	Newberry Springs	Piñon Hills/ Phelan	Helendale	Yucca Valley	Total Votes	% of All Votes
Water Supply and Conservation	22	13	5	20	6	10	20	**96**	**26%**
Water Quality	16	13	3	5	6	6	16	**65**	**18%**
Cost of Water Resources	15	14	4	9		3	14	**59**	**16%**
Water Rights	19	2		15	1	2	2	**41**	**11%**
Stormwater and Flood Management	18		1	4	6	1	9	**39**	**11%**
Growth and Land Use	7		4	3	6		7	**27**	**7%**
Natural Resource Management (habitat protection)	1			4	3	1	3	**12**	**3%**
*Education			1				7	**8**	**2%**
Climate Change	1	1		1		1	3	**7**	**2%**
*Recycled Water						5		**5**	**1%**
*Hauled Water Issues	3							**3**	**1%**
*Grey Water Issues	1							**1**	**0.2%**
*Grant Writing and Tracking – Connect the needs with the funding sources									

*NOTE: This item was proposed by meeting and workshop participants as an additional important topic that needed to be addressed.

APPENDIX A

PROJECT WEBSITE

www.mywaterplan.com
Mojave IRWM Plan
Integrated Regional Water Management Plan
mywaterplan.com
HOME
ABOUT IRWM
WHO WE ARE
DOCUMENTS
PROJECTS
MEETINGS
PARTICIPATE
Help Plan Water Projects and Programs for our Region
What
Is IRWM?
The IRWM Plan will set a vision for the next 10-plus years of water management in the High Desert. Thanks to IRWM, over the last 10 years $170 million in local, state, and federal dollars have been invested in High Desert water infrastructure, programs, and water supplies... Learn More
Why
Should I be Interested?
Through this process funds may become available to help your community's water needs. Water supply is critical to sustain the High Desert's vitality. This is an opportunity for you to participate in planning the High Desert's water future.
Where
Is the Planning Area?
Maps & Google Earth Files
Who
Will Benefit?
You and your family
Community Organizations
Businesses
Cities & Communities
Schools
Water Companies and Agencies
How
Can I Participate?
Attend the Public Meetings
Take our Opinion Surveys
Contact Us
Public meetings will be held in various locations throughout the IRWM Planning Area in June.
View the Invitation Flyer or View the Meetings Page.
Workshop to Discuss Project Integration on July 24

APPENDIX B

PROJECT FLYER

HELP PLAN WATER PROJECTS AND PROGRAMS FOR OUR REGION

LUCERNE VALLEY
Tuesday, June 4 @ 5:00 p.m.
Lucerne Valley Senior Center
10431 Allen Way (behind library)

BARSTOW
Wednesday, June 5 @ 7:00 p.m.
Barstow Senior Center
555 Melissa Ave.

VICTORVILLE
Thursday, June 6 @ 6:30 p.m.
Victorville City Hall, Conf. Rm. D
14343 Civic Dr.

NEWBERRY SPRINGS
Saturday, June 8 @ 1:00 p.m.
Newberry Springs Community Center
30884 Newberry Rd.

YUCCA VALLEY
Wednesday, June 12 @ 6:30 p.m.
Yucca Valley Senior Center
57090 Twentynine Palms Hwy.

PIÑON HILLS
Monday, June 10 @ 6:30 p.m.
Piñon Hills CSD
10433 Mountain Ave.

HELENDALE
Tuesday, June 11 @ 6:30 p.m.
Helendale CSD
26540 Vista Rd., Ste. C

WE NEED TO HEAR FROM YOU

Are you concerned about…
- Your water quality?
- Availability of water in the desert?
- Flood management?
- Water rights?
- Cost of water resources?

If so, please join us to share your ideas.

Currently, five local water agencies have joined together as the Regional Water Management Group to update the 2004 Mojave Integrated Regional Water Management Plan.

What does this mean to you? It's the road map for a long-term balanced water supply for our region, and through this process funds may become available to help develop projects and programs to meet your community's water needs.

But to truly address your community's needs,
WE NEED TO HEAR FROM YOU!

Join us at one of these meetings or visit our website at

mywaterplan.com

For more information call: (760) 946-7000

Mojave IRWM Plan
Integrated Regional Water Management Plan

AYUDA A PLANIFICAR PROYECTOS DE AGUA Y PROGRAMAS PARA NUESTRA REGIÓN

LUCERNE VALLEY
Martes, Junio 4 a las 5:00 pm.
Lucerne Valley Senior Center
10431 Allen Way (atrás de la biblioteca)

BARSTOW
Miércoles, Junio 5 a las 7:00 pm.
Barstow Senior Center
555 Melissa Ave.

VICTORVILLE
Jueves, Junio 6 a las 6:30 pm.
Victorville City Hall, Conf. Rm. D
14343 Civic Dr.

NEWBERRY SPRINGS
Sábado, Junio 8 a las 1:00 pm.
Newberry Springs Community Center
30884 Newberry Rd.

YUCCA VALLEY
Miércoles, Junio 12 a las 6:30 pm.
Yucca Valley Senior Center
57090 Twentynine Palms Hwy.

PIÑON HILLS
Lunes, Junio 10 a las 6:30 pm.
Piñon Hills CSD
10433 Mountain Ave.

HELENDALE
Martes, Junio 11 a las 6:30 pm.
Helendale CSD
26540 Vista Rd., Ste. C

NECESITAMOS QUE NOS HAGA SABER SUS PREOCUPACIONES

¿Está usted preocupado por...
- La calidad del agua?
- La disponibilidad de agua en el desierto?
- El manejo de inundaciones?
- Los derechos de agua?
- El costo de los recursos hídricos?

Si es así, por favor, únase a nosotros para que comparta sus ideas.

¿Qué significa esto para usted? Es la hoja de ruta para un suministro de agua de largo plazo equilibrada para nuestra región, y a través de este proceso fondos pueden estar disponibles para ayudar a desarrollar proyectos y programas para satisfacer las necesidades de agua de vuestra comunidad.

Pero para que realmente se pueda hacer frente a las necesidades de nuestra comunidad, ¡NECESITAMOS QUE NOS HAGA SABER SUS PREOCUPACIONES!

Unase a nosotros en una de estas reuniones, o visite nuestro sitio Web a

AYUDA A PLANIFICAR PROYECTOS DE AGUA Y PROGRAMAS PARA NUESTRA REGIÓN

LUCERNE VALLEY
Martes, Junio 4 a las 5:00 pm.
Lucerne Valley Senior Center
10431 Allen Way (atrás de la biblioteca)

BARSTOW
Miércoles, Junio 5 a las 7:00 pm.
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VICTORVILLE
Jueves, Junio 6 a las 6:30 pm.
Victorville City Hall, Conf. Rm. D
14343 Civic Dr.

NEWBERRY SPRINGS
Sábado, Junio 8 a las 1:00 pm.
Newberry Springs Community Center
30884 Newberry Rd.

YUCCA VALLEY
Miércoles, Junio 12 a las 6:30 pm.
Yucca Valley Senior Center
57090 Twentynine Palms Hwy.

PIÑON HILLS
Lunes, Junio 10 a las 6:30 pm.
Piñon Hills CSD
10433 Mountain Ave.

HELENDALE
Martes, Junio 11 a las 6:30 pm.
Helendale CSD
26540 Vista Rd., Ste. C

NECESITAMOS QUE NOS HAGA SABER SUS PREOCUPACIONES

¿Está usted preocupado por...
- La calidad del agua?
- La disponibilidad de agua en el desierto?
- El manejo de inundaciones?
- Los derechos de agua?
- El costo de los recursos hídricos?

Si es así, por favor, únase a nosotros para que comparta sus ideas.

Actualmente, cinco agencias locales de agua se han unido como un grupo de la Gerencia Regional del Agua para que juntos actualicen el plan Integrado de Gestión del Agua Regional de Mojave del 2004.

¿Qué significa esto para usted? Es la hoja de ruta para un suministro de agua de largo plazo equilibrada para nuestra región, y a través de este proceso fondos pueden estar disponibles para ayudar a desarrollar proyectos y programas para satisfacer las necesidades de agua de vuestra comunidad.

Pero para que realmente se pueda hacer frente a las necesidades de nuestra comunidad, ¡NECESITAMOS QUE NOS HAGA SABER SUS PREOCUPACIONES!

Unase a nosotros en una de estas reuniones, o visite nuestro sitio Web a

mywaterplan.com

Para más información llame al: (760) 946-7000

Mojave IRWM Plan
Integrated Regional Water Management Plan

Help Plan Water Projects and Programs for our Region!

Tuesday, June 4 @ 5:00 p.m.
LUCERNE VALLEY SENIOR CENTER
10431 Allen Way (behind library)
Lucerne Valley, CA 92356

Integrated Regional Water Management Plan

Public Outreach Meeting | Lucerne Valley

Are you concerned about…

- Your water quality?
- Availability of water in the desert?
- Flood management?
- Water rights?
- Cost of water resources?

What does this mean for you? It's the roadmap for a long-term sustainable water supply for our region, and through this process funds may become available to help your community's water needs.

But to truly address your community's needs, we need to hear from you!

Join us! The meeting will last about 2 hours. Refreshments will be served.

Mojave IRWM Plan
Integrated Regional Water Management Plan

mywaterplan.com

Help Plan Water Projects and Programs for our Region!

Wednesday, June 5 @7:00 PM
BARSTOW SENIOR CENTER
555 Melissa Ave.
Barstow, CA 92311

Integrated Regional Water Management Plan

Public Outreach Meeting | Barstow

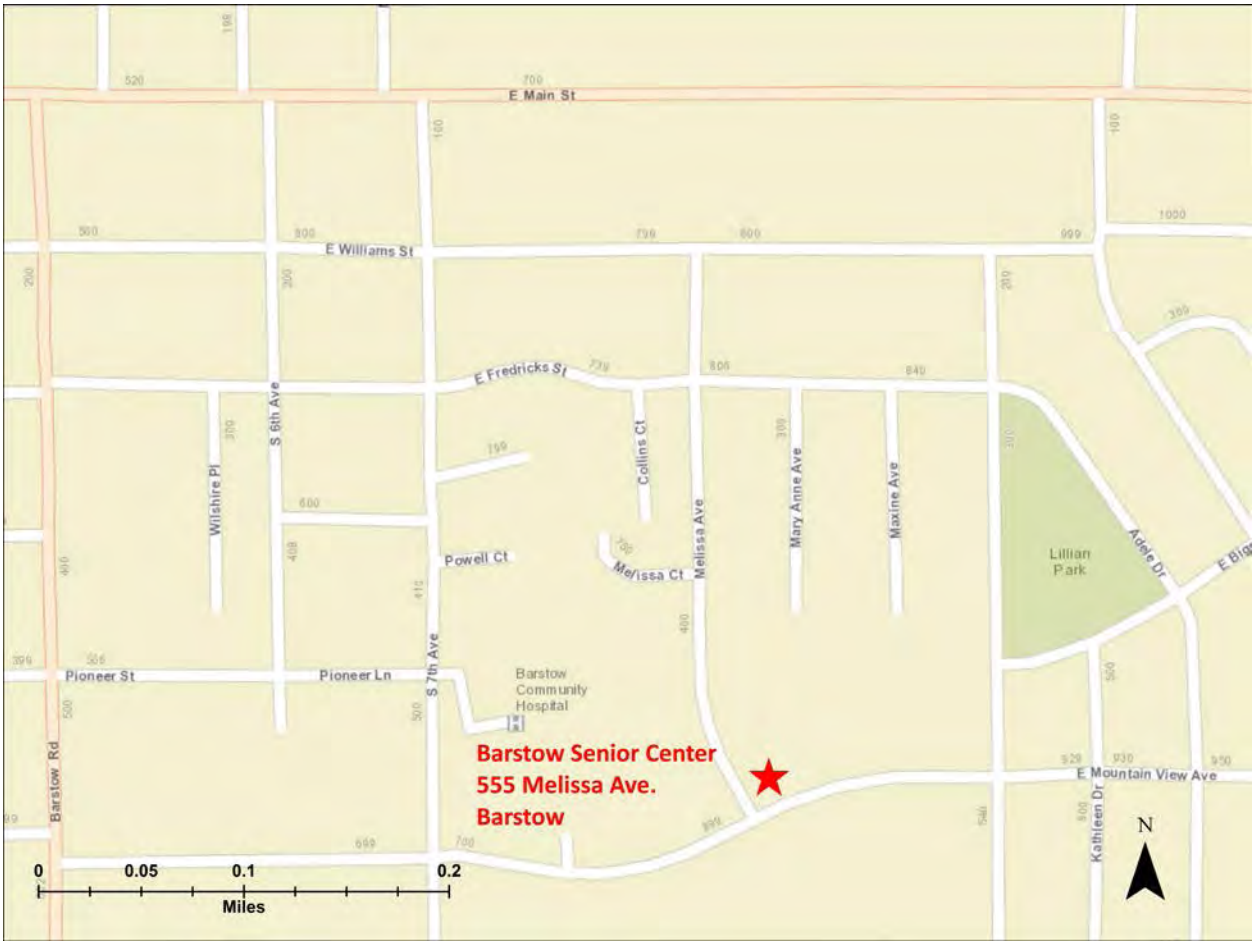
Are you concerned about…

- Your water quality?
- Availability of water in the desert?
- Flood management?
- Water rights?
- Cost of water resources?

What does this mean for you? It's the roadmap for a long-term sustainable water supply for our region, and through this process funds may become available to help your community's water needs.

But to truly address your community's needs, we need to hear from you!

Join us! The meeting will last about 2 hours. Refreshments will be served.



Mojave IRWM Plan
Integrated Regional Water Management Plan

mywaterplan.com

Help Plan Water Projects and Programs for our Region!

Tuesday, June 11 @ 6:30 p.m.
HELENDALE CSD
26540 Vista Rd, Suite C
Helendale, CA 92342

Integrated Regional Water Management Plan

Public Outreach Meeting | Helendale

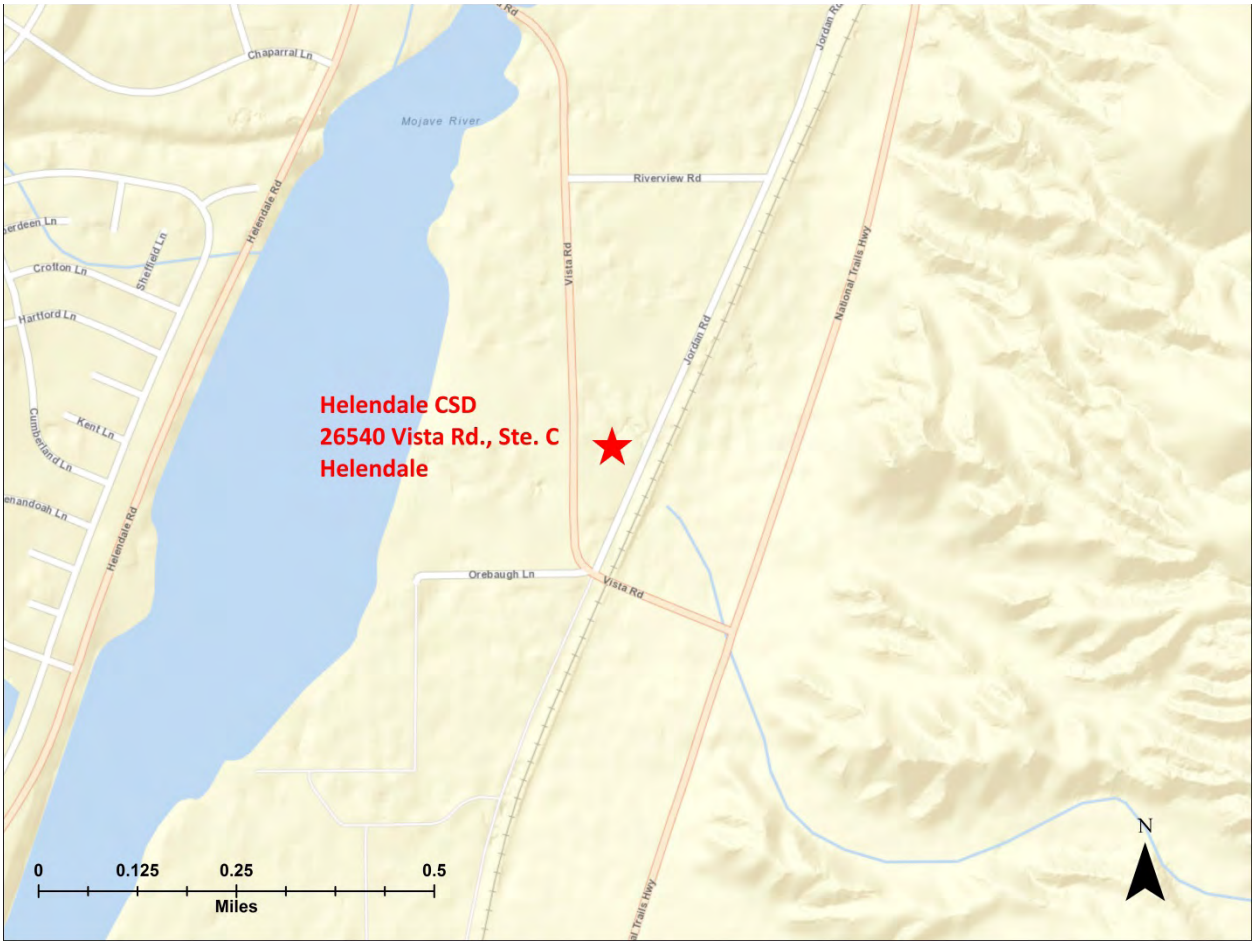
Are you concerned about…

- Your water quality?
- Availability of water in the desert?
- Flood management?
- Water rights?
- Cost of water resources?

What does this mean for you? It's the roadmap for a long-term sustainable water supply for our region, and through this process funds may become available to help your community's water needs.

But to truly address your community's needs, we need to hear from you!

Join us! The meeting will last about 2 hours. Refreshments will be served.



Mojave IRWM Plan
Integrated Regional Water Management Plan

mywaterplan.com

Help Plan Water Projects and Programs for our Region!

Saturday, June 8 @ 1:00 p.m.
NEWBERRY SPRINGS COMMUNITY CENTER
30884 Newberry Rd.
Newberry Springs, CA 92365

Integrated Regional Water Management Plan

Public Outreach Meeting | Newberry Springs

Are you concerned about…

- Your water quality?
- Availability of water in the desert?
- Flood management?
- Water rights?
- Cost of water resources?

What does this mean for you? It's the roadmap for a long-term sustainable water supply for our region, and through this process funds may become available to help your community's water needs.

But to truly address your community's needs, we need to hear from you!

Join us! The meeting will last about 2 hours. Refreshments will be served.

Mojave IRWM Plan
Integrated Regional Water Management Plan

mywaterplan.com

Help Plan Water Projects and Programs for our Region!

Monday, June 10 @ 6:30 p.m.
PINON HILLS CSD
10433 Mountain Ave.
Piñon Hills, CA 92372

Integrated Regional Water Management Plan

Public Outreach Meeting | Piñon Hills

Are you concerned about…

- Your water quality?
- Availability of water in the desert?
- Flood management?
- Water rights?
- Cost of water resources?

What does this mean for you? It's the roadmap for a long-term sustainable water supply for our region, and through this process funds may become available to help your community's water needs.

But to truly address your community's needs, we need to hear from you!

Join us! The meeting will last about 2 hours. Refreshments will be served.

Mojave IRWM Plan
Integrated Regional Water Management Plan

mywaterplan.com

Help Plan Water Projects and Programs for our Region!

Wednesday, June 12 @ 6:30 p.m.
YUCCA VALLEY SENIOR CENTER
57090 Twentynine Palms Hwy.
Yucca Valley, CA 92284

Integrated Regional Water Management Plan

Public Outreach Meeting | Yucca Valley

Are you concerned about…

- Your water quality?
- Availability of water in the desert?
- Flood management?
- Water rights?
- Cost of water resources?

What does this mean for you? It's the roadmap for a long-term sustainable water supply for our region, and through this process funds may become available to help your community's water needs.

But to truly address your community's needs, we need to hear from you!

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Mojave IRWM Plan
Integrated Regional Water Management Plan

mywaterplan.com

APPENDIX C

WORKSHOP BOOKLET

Do you have any additional comments?

How can you get involved or stay informed?

There are a number of different ways you can help develop water projects and programs. You can **attend one of the seven public workshops** that are taking place in June 2013, or one of the nine Stakeholder Group meetings that are taking place over the 18-month IRWM Plan development process. Additional information and schedules for these meetings can be found on the Mojave IRWM Plan website www.mywaterplan.com.

You can also **submit written comments**:

Via Email to: comments@mywaterplan.com

or Via Mail to:
Mojave Water Agency
Attn: Integrated Regional Water Management Plan Comments
13846 Conference Center Drive
Apple Valley, CA 92307

Contact us at:
By Email to comments@mywaterplan.com
By Phone at (760) 946-7000

Mojave Integrated Regional Water Management Plan-Public Workshop

BREAKOUT GROUPS DISCUSSION GUIDE AND COMMENT CARD

Wednesday, June 5, 2013 | 7: 00 p.m. – 9:00 p.m.
Barstow Senior Center
555 Melissa Avenue

AGENDA

Welcome and Sign-In 6:30 p.m.

I. Overview of the IRWM Plan 7:00 p.m.
- Where does our water come from?
- What is an IRWM Plan?
- Why is it important for the Mojave Region?
- How does it affect you and your community?
- How is the IRWM Plan being developed?
- How can you participate?

II. Questions and Answers 7:15 p.m.

III. Breakout Group Discussions 7:25 p.m.
- Needs
- Opportunities

IV. Report Back from Breakout Groups 8:15 p.m.
- Group Discussion Summary
- Key Findings

V. Conclusion 8:55 p.m.
- Next Steps

The purpose of today's meeting is to identify water resource related needs in your community and opportunities to address them. The facilitator for your group will lead the dialogue and begin the discussion.

Please use the form below to write down your comments and turn them in at the end of the workshop. In addition, your facilitator will use the flip chart to capture key points from your group's discussion, which will be shared with the entire group during the final part of today's workshop.

The Mojave IRWM Plan will address many different water resource related topics. These include:

- Water Supply and Conservation
- Water Quality
- Stormwater and Flood Management
- Costs of Water Resources
- Water Rights
- Natural Resource Management (habitat protection)
- Growth and Land Use
- Climate Change
- Others?

Mojave IRWM Plan
Integrated Regional Water Management Plan

www.mywaterplan.com

Given these topics, which water-related issues are most important to you or your community?

The Mojave IRWM Plan will address many different water resource related topics. These include:

- Water Supply and Conservation
- Water Quality
- Stormwater and Flood Management
- Costs of Water Resources
- Water Rights
- Natural Resource Management (habitat protection)
- Growth and Land Use
- Climate Change
- Others?

Why are they important to you?

What are some opportunities, or ideas you may have, to address these issues?

What are some specific challengers or barriers that may get in the way?

I consider myself to be a part of the _____ community.

Thank you!

¿Tiene algún comentario adicional?

¿Cómo puede usted participar o mantenerse informado?

Hay varias formas diferentes en que usted puede ayudar a desarrollar los proyectos y programas del agua. Usted puede **asistir a uno de los siete talleres públicos** que se estan llevando a cabo en junio del 2013, o una de las nueve reuniones del Grupo de Inversionistas que se llevarán a cabo en el proceso del desarrollo del Plan IRWM en los próximos 18 meses. Más información y horarios para estas reuniones se pueden encontraren el sitio de web del Plan IRWM de la Región de Mojave en www.mywaterplan.com. También puede aportar sus observaciones por escrito:

Vía correo electrónico a comments@mywaterplan.com

O por correo a:
Mojave Water Agency
Attn: Integrated Regional Water Management Plan Comments
13846 Conference Center Drive
Apple Valley, CA 92307

O póngase en contacto con nosotros:
Por correo electrónico a comments@mywaterplan.com
Por teléfono al (760) 946-7000

Plan de la Administración Integrada Regional del Agua de Mojave Taller Público

TRABAJO EN GRUPOS
GUÍA DE DISCUSIÓN Y PÁGINA DE COMENTARIOS

Agenda

Bienvenida e Inicio de Sesión

I. Información General Sobre el Plan IRWM
- ¿De dónde viene nuestra agua?
- ¿Qué es un Plan de IRWM?
- ¿Por qué es importante para la región de Mojave?
- ¿Cómo afecta a usted y su comunidad?
- ¿Cómo se desarroll el Plan IRWM?
- ¿Cómo se puede participar?

II. Preguntas y Respuestas

III. Discusiones de Grupo
- Necesidades
- Oportunidades

IV. Informes de los Grupos
- Resumen de la Discusión de Grupo
- Puntos Clave

V. Conclusión
- Pasos Siguientes

El propósito de la reunión de hoy es identificar las necesidades relacionadas con los recursos hidrológicos en su comunidad y las oportunidades para resolverlos. El líder de su grupo estará guiando los diálogos e iniciará las discusiones.

Por favor utilice el siguiente formulario para escribir sus comentarios y entréguelo al final del taller. Además, el líder de su grupo utilizará el rotafolio para captar los puntos claves de las discusiones de su grupo, los cuales serán compartidos con todo el grupo durante la parte final del taller de hoy.

El Mojave IRWM estará tratando con diversos temas relacionados con los recursos hidrológicos. Estos incluyen:

- Suministro de Agua y Conservación
- Calidad del Agua
- Aguas pluviales y el manejo de Inundaciones
- Los costos de los Recursos Hidrológicos
- Derechos de Agua
- Servicio de Recursos Naturales (protección del hábitat)
- Crecimiento y el uso del terreno
- Cambio Climático
- ¿Otros?

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¿Teniendo en cuenta estos temas, cuales son las cuestiones relacionadas con el agua que son más importantes para usted o su comunidad?

El Mojave IRWM estará tratando con diversos temas relacionados con los recursos hidrológicos. Estos incluyen:

- Suministro de Agua y Conservación
- Calidad del Agua
- Aguas pluviales y el manejo de Inundaciones
- Los costos de los Recursos Hidrológicos
- Derechos de Agua
- Servicio de Recursos Naturales (protección del hábitat)
- Crecimiento y el uso del terreno
- Cambio Climático
- ¿Otros?

¿Por qué son importantes para usted?

¿Cuáles son algunas oportunidades e ideas que pueda tener para hacer frente a este asunto?

¿Cuáles son algunos de los retos y obstáculos específicos que pueden interponerse en el camino?

Yo me considero una parte del _____ comunidad.

Gracias!

APPENDIX D

FAQ's

Frequently Asked Questions

Mojave Integrated Regional Water Management (IRWM) Plan

What is Integrated Regional Water Management?

Integrated Regional Water Management (IRWM) is a collaborative effort to manage all aspects of water resources in a region. The practice of IRWM crosses jurisdictional, watershed, and political boundaries; involves multiple agencies, and groups; and attempts to address the issues and differing perspectives of all the entities involved through multiple beneficial solutions.

What is the Mojave Region IRWM Plan?

The Mojave Region IRWM Plan will set a vision for the next 25-plus years of water management in the Mojave Region. Thanks to the first Mojave Region IRWM Plan completed in 2004, over the last ten years $170 million in local, state and federal dollars have been invested in water infrastructure and water supplies in the Mojave Region.

An update to the 2004 IRWM Plan is now underway and will be completed in the next year to eighteen months. The IRWM planning process is a cycle that starts with identifying the community's water needs and finishes with financing and implementing projects and programs.

Why is the Mojave Region IRWM Plan important to me? Why should I participate?

Water is critical to support our communities. Providing safe and reliable water of appropriate quality to support our way of life requires tremendous effort and continuing investments. We cannot take this for granted.

The Mojave IRWM Plan operates on the principle that each stakeholder holds a piece of the water management solution for their region and that the best solutions require good communication and shared understanding of regional challenges and opportunities. The more partners and people involved in the IRWM Plan, the higher the potential for better long-term water management solutions.

The update of the Mojave Region IRWM Plan will renew the vision of how to focus our efforts in the Region to meet our long term needs to support thriving and healthy communities. This update will also meet recent changes to state guidelines that determine whether our Region can compete for potential grant funds from the State. This process to update the Plan may result in bringing State grant funds to help meet your community's water needs. Potential water management projects and programs will be identified through this process. This is an opportunity for you to participate in shaping the water future for the Mojave Region.

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Who is involved in the Mojave Region IRWM Plan?

The Mojave IRWM Plan is being developed with broad stakeholder input. This process is being led by five agencies that have joined together through a memorandum of understanding to form the Mojave Regional Water Management Group (RWMG), which is charged with developing and implementing the IRWM Plan:

- Mojave Water Agency (MWA)
- Victor Valley Wastewater Reclamation Authority (VVWRA)
- MWA Technical Advisory Committee (TAC)
- Mojave Desert Resource Conservation District
- Morongo Basin Pipeline Commission

The RWMG has invited all interested stakeholders to provide input and help develop the updated Mojave IRWM Plan. Stakeholders involved so far include 45 municipal water purveyors, six municipal and county agencies, seven state and federal agencies, and over 25 community interest groups.

What water resource management challenges will the Mojave Region IRWM Plan address?

The Mojave Region IRWM Plan will address all aspects of water management in the Region, including, but not limited to water supply, water quality, wastewater, recycled water, water conservation, storm water/flood management, watershed planning, climate change and habitat protection and restoration.

What is meant by a Disadvantaged Community (DACs)?

It is critically important that the IRWM Plan process identify the water resources-related problems that are being faced by disadvantaged communities (DACs) in the Mojave Region. A disadvantaged community includes any community which has an annual median household income that is less than 80 percent of the statewide annual median household income (or incomes less than $48,706). Participation of DACs is considered essential as more than half of the Region qualifies as disadvantaged.

How can you get involved or stay informed?

There are a number of different ways you can help develop water projects and programs. You can **attend one of the seven public workshops** that are taking place in June 2013, or one of the nine Stakeholder Group meetings that are taking place over the 18-month IRWM Plan development process. Additional information and schedules for these meetings can be found on the Mojave IRWM Plan website www.mywaterplan.com.

You can also **submit written comments**:

Via Email to: comments@mywaterplan.com

or Via Mail to:
Mojave Water Agency
Attn: Integrated Regional Water Management Plan Comments
13846 Conference Center Drive
Apple Valley, CA 92307

Contact us at:
By Email to comments@mywaterplan.com
By Phone at (760) 946-7000

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Preguntas Más Frecuentes

Plan de la Administración Integrada del Agua Regional de Mojave
Mojave Integrated Regional Water Management (IRWM) Plan

¿Qué es la Administración Integrada del Agua Regional?

La Administración del Agua Regional Integrada (IRWM) es un esfuerzo de colaboración para administrar todos los aspectos de los recursos hidrológicos de una región. La práctica de IRWM cruza los límites jurisdiccionales, las cuencas hidrográficas, y políticas; involucra a múltiples agencias y grupos, e intenta afrontar los problemas y las diferentes perspectivas de todas las entidades que participan a través de múltiples soluciones de beneficio.

¿Qué es el Plan IRWM de la Región de Mojave?

El Plan IRWM de la Región de Mojave creará una visión para los próximos 25 años o más de la administración del agua en la región de Mojave. Gracias al primer Plan IRWM de la Región de Mojave que fue preparado en el 2004, $170 millones en fondos locales, estatales y federales se han invertido en la infraestructura del agua y el suministro del agua en la región de Mojave durante los últimos diez años.

Una actualización del Plan de IRWM del 2004 ya está en marcha y será completado en el próximo año o en 18 meses. El proceso de la planificación de IRWM es un ciclo que comienza con la identificación de las necesidades de agua de la comunidad y termina con la financiación e implementación y ejecución de proyectos y programas.

¿Por qué es importante para mí el plan de IRWM de la Región de Mojave? ¿Por qué es que debo participar?

El agua es esencial para apoyar a nuestras comunidades. La provisión de agua fiable y de una calidad apropiada que apoye a nuestro estilo de vida, requiere un gran esfuerzo y las inversiones continuas. No podemos dejar pasar esta oportunidad.

El Plan IRWM de la Región de Mojave funciona según el principio de que cada inversionista sostiene una pieza a la solución de la administración del agua para la región. Las mejores soluciones requieren una buena comunicación y comprensión compartida de los retos y oportunidades regionales. Mientras más asociados y personas hay involucradas en el Plan IRWM, mayor será la posibilidad de obtener mejores soluciones de la administración del agua a largo plazo.

La actualización del Plan IRWM de la Región de Mojave, renovará la visión de cómo enfocar nuestros esfuerzos en la región para satisfacer nuestras necesidades a largo plazo, y para apoyar a comunidades prósperas y saludables. Esta actualización también reunirá cambios recientes en las normas estatales que determinan si nuestra región puede competir para fondos de la subvención del Estado. Este proceso de actualizar el Plan puede dar lugar a traer fondos de la subvención del Estado para ayudar a satisfacer las necesidades de agua de tu comunidad. Proyectos y programas potenciales

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de la administración del agua serán identificados a través de este proceso. Esta es una oportunidad para que usted participe en la reforma del futuro del agua para la Región de Mojave.

¿Quienes están involucrados en el Plan IRWM de la Región de Mojave?

El Plan IRWM de la Región de Mojave se está desarrollando con una amplia participación de los interesados. Este proceso está dirigido por cinco organizaciones que se han unido a través de un memorando de entendimiento para formar el Grupo Regional de Administración del Agua de Mojave (RWMG), que se encarga de la elaboración y aplicación del Plan IRWM:

- Mojave Water Agency (MWA)
- Victor Valley Wastewater Reclamation Authority (VVWRA)
- MWA Technical Advisory Committee (TAC)
- Mojave Desert Resource Conservation District
- Morongo Basin Pipeline Commission

El RWMG ha invitado a todas las partes interesadas a proporcionar información y ayudar a desarrollar el Plan IRWM de la Región de Mojave actualizado. Las partes interesadas que participan hasta este momento son 45, los proveedores municipales de agua, seis agencias municipales y del condado, siete agencias estatales y federales, y más de 25 grupos interesados de la comunidad.

¿Qué desafíos de la administración de los recursos hidrológicos tendrá que dirigir el Plan IRWM de la Región de Mojave?

El Plan IRWM de la Región de Mojave se ocupara de todos los aspectos de la administración del agua en la región, incluyendo, pero no limitado al suministro de agua, calidad del agua, aguas residuales, agua reciclada, la conservación del agua, agua pluviales/ administración de inundaciones de tormenta, la planificación de cuencas hidrográficas, cambio climático y la protección y restauración del hábitat.

¿Qué es una Comunidad en Desventaja (DAC)?

Es muy importante que el proceso del Plan IRWM identifique los recursos del agua relacionados con los problemas que se enfrentan las comunidades de la Región de Mojave que están en desventaja (DAC). Una comunidad en desventaja incluye cualquier comunidad que tiene un ingreso mediano anual por hogar que es inferior al 80 por ciento del ingreso mediano anual por hogar en todo el estado (o ingresos de menos de $48,706). La participación de DAC se considera esencial en este proceso ya que más de la mitad de la región se considera estar en desventaja.

¿Cómo puede usted participar o mantenerse informado?

Hay varias formas diferentes en que usted puede ayudar a desarrollar los proyectos y programas del agua. Usted puede asistir a uno de los siete talleres públicos que se estan llevando a cabo en junio del 2013, o una de las nueve reuniones del Grupo de Inversionistas que se llevarán a cabo en el proceso del desarrollo del Plan IRWM en los próximos 18 meses. Más información y horarios para estas reuniones se pueden encontraren el sitio de web del Plan IRWM de la Región de Mojave en www.mywaterplan.com. También puede aportar sus observaciones por escrito:

Vía correo electrónico a comments@mywaterplan.com

O por correo a:
Mojave Water Agency
Attn: Integrated Regional Water Management Plan Comments
13846 Conference Center Drive
Apple Valley, CA 92307

O póngase en contacto con nosotros:
Por correo electrónico a comments@mywaterplan.com
Por teléfono al (760) 946-7000

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APPENDIX E

INDIVIDUAL SUMMARIES FOR PUBLIC WORKSHOPS AND DISADVANTAGED COMMUNITIES MEETINGS

Mojave IRWM Plan
Integrated Regional Water Management Plan

MOJAVE IRWM PLAN UPDATE 2013

LUCERNE VALLEY

PUBLIC WORKSHOP #1

June 4, 2013 ◆ 5:00 p.m. – 7:00 p.m.
Lucerne Valley Senior Center
10431 Allen Way, Lucerne Valley

SUMMARY REPORT

INTRODUCTION

On June 4, 2013 the Mojave Water Agency held its first of seven public meetings to elicit feedback from community members in the Mojave Region on water-related concerns and needs in order to guide the update of the Mojave Integrated Regional Water Management Plan. The purpose of this workshop was to (a.) create awareness of water resource conditions in the Mojave Region; (b.) educate community members about the Mojave Integrated Regional Water Management Plan and the update process; and (c.) identify specific water resource needs/challenges in Lucerne Valley and neighboring areas, including potential opportunities for addressing those needs.

WORKSHOP OUTREACH

Below is a list of notification efforts used to engage a wide range of participants in the workshop:

- Distribution of workshop notices via U.S. mail
- Advertisement in local newspapers
- Posting workshop information on the project website (www.mywaterplan.com)
- Posting workshop information on community bulletins at Lucerne Valley Chamber of Commerce and at County Service Area (CSA) 29 Parks and Recreation

WORKSHOP FORMAT

In order to facilitate participation from various key stakeholders in the community, the public workshop for the Mojave Integrated Regional Water Management Plan Update was held following a regularly scheduled Municipal

Advisory Council meeting for Lucerne Valley. Approximately 51 community members attended the public workshop for the Mojave Integrated Regional Water Management Plan Update (see workshop pictures in Appendix A). Upon signing in, participants received a workshop booklet containing a meeting agenda, discussion guide/comment card for submitting written comments from the workshop, draft objectives for the Mojave Integrated Regional Water Management Plan, and a frequently-asked-questions document.

A. Presentation

Lance Eckhart from the Mojave Water Agency initiated the workshop by welcoming participants and thanking them for attending. He then provided an overview of the workshop objectives and agenda, and introduced project staff. Mr. Eckhart introduced meeting facilitator Ken Kirby of Kirby Consulting Group, Inc., a member of the project's consultant team, who then provided an informational presentation describing the Mojave Integrated Regional Water Management Plan process.

Following the presentation, Mr. Kirby and Mojave Water Agency staff answered questions from workshop attendees relating to funding sources and eligibility for funding, how Disadvantaged Communities are defined and how they can affect funding for water-related projects. Questions were also asked about whether the Mojave Integrated Regional Water Management Plan can affect the Mojave Water Agency's adjudication and existing water rights in the region, and if the Plan will address water quality in the Lucerne Valley groundwater basin. Concern was also expressed about how ground spreading in the area can affect alkaline runoff and impact water quality.

B. Breakout Group Discussions

After the presentation and initial questions session, workshop participants were instructed on how to proceed with the breakout group discussion exercise. Each table was responsible for discussing and documenting their group comments based on a series of water-related topics listed in their discussion guides and on a large poster sheet on the table. These topics provided structure for the discussion of participants' top water issues discussion. Participants were asked three basic questions:

1. Which water-related issues are most important to you and your community, and why?
2. What are some opportunities or ideas to address these issues?
3. What are some specific challenges or barriers that may get in the way?

A facilitator from the project team was available at each table to help guide the conversation and record comments on large flip chart notepads.

The following sections represent a summary of the discussions and findings recorded during the breakout session and overarching themes as reported out by workshop participants.

Top Water-Related Issues

There were nine main areas of concern that emerged from the water resource needs identified by the discussion groups. The most common water issues among the groups revolved around the supply, cost and quality of water. Many participants expressed concern that large users, such as water providers and new developments and businesses are severely affecting water levels in the local basin (Morongo Groundwater Basin) and this is unfairly impacting single users and minimal producers in the area who as a result are now receiving increased fees and orders to ramp down on use. Many also expressed concern about the potential contamination of the groundwater basin due to the high concentration of septic systems in the downtown area of Lucerne Valley and the proximity of the water table to those systems. Most participants thought that this area should be connected to a sewer system to avoid degradation of the water quality in the basin. Many participants concluded that the largest and most common challenge they face is the lack of funding resources required to implement needed solutions.

The following chart organizes by category the major water issues/concerns identified by the discussion groups, ideas cited by participants on how to address these issues and challenges that may arise, as documented by the facilitators.

Top Water-Related Issues Identified by Discussion Groups

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
Localized overdraft of the groundwater basin and diminished water supply as a result of large well owners (city, county, developers, water providers, agricultural uses) and new housing pumping too much water	Opportunity	Provide recourse for homeowners who have to dig deeper wells in order to reach the declining water table
	Opportunity	Allow people to build on parcels that use hauled water
	Opportunity	Preserve the water rights of minimal producers
	Opportunity	Revise regulations to expand the use of grey water for multi-uses, including groundwater recharge
	Opportunit	Promote new farming methods for

	y	water conservation
	Opportunity	Provide compensation to stop pumping in order to stabilize groundwater levels
	Opportunity	Ramp down pumping on large users not minimal producers
	Opportunity	Establish a nexus for land use decisions and development proposals based on water quality and water levels
Increase in the cost of water as a result of a decrease in water supply and overdraft of the groundwater basin	Opportunity	Stop issuing building permits/halt development
	Opportunity	Increase fees all around for everyone
	Opportunity	Freeze transfer of water rights
	Opportunity	Export hauled water
	Opportunity	Consolidation of water districts and coordination among groups, agencies, and users to establish uniform and fair fees for pumping/water use
	Challenge	Cooperation from users, groups, agencies, and water district to work together

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
Potential contamination of groundwater basin in areas with a high concentration of septic systems (i.e. downtown area)	Opportunity	Extend sewer services to areas where the groundwater levels are in close proximity to septic systems
Flooding and erosion of roads	Opportunity	Increase flood control infrastructure and road maintenance (i.e. Hwy 18 and Hwy 247)
	Challenge	Lack of funds to repair existing infrastructure
	Opportunity	Dig a recharge basin to capture and divert increased storm water runoff (i.e. nearby the Russell tract, planned solar and wind farms, Cushenberry area, northeast of the dry lakes) to avoid flooding and recharge groundwater basin
Improper use of abandoned wells or wells no longer in use as a source of groundwater contamination	Opportunity	Properly seal wells no longer in use
	Challenge	Lack of funds to remove/seal wells that are no longer in use or abandoned
Adjudication is not equitable as there are no benefits, there is a lack of enforcement and authority, and new users are not accountable	Opportunity	Create viable, transferable water rights
	Opportunity	Re-organize water shares and reassess fees by levels of use (and base water

	costs for mutual companies on the number of users they service)
Increase of alkaline runoff impacting groundwater quality as a result of spreading grounds	
Potential contamination of groundwater basin from low-quality water migrating from adjacent basins	
Poor groundwater quality in North Lucerne Valley due to high levels of TDS	

Priority of Water-Related Topics

After identification and discussion of top water concerns and issues, the groups reviewed the list of broad key water resource related topics for the Mojave Integrated Regional Water Management Plan that guided their discussions. Participants were asked to rank the water topics by using dot stickers to assign priority. The purpose of this exercise was to assist with the Mojave Integrated Regional Water Management Plan Update in devising programs and projects to meet regional and community specific needs.

The chart below indicates the number of votes for each water related topic per group. The top three priority water-related topics that workshop participants ranked as most relevant in their community are 1) Water Supply and Conservation; 2) Water Rights; and 3) Stormwater and Flood Management.

Priority Ranking of Water-Related Topics in the Mojave Integrated Regional Water Management Plan

Water-Related Topics	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Total Votes
Water Supply and Conservation	5	1	3	6	4	3		**22**
Water Rights	1	5		4	5	4		**19**
Stormwater and Flood Management	3	4	3	3		2	3	**18**
Water Quality		3	6	1		2	4	**16**
Cost of Water Resources		2		6		3	4	**15**
Growth and Land Use	1	1		1	3	1		**7**
Natural Resource Management (habitat protection)				1				**1**
*Hauled Water Issues	3							**3**
Climate Change						1		**1**
*Grey Water Issues	1							**1**

*NOTE: Group 1 proposed this item as an additional important issue that needed to be addressed.

C. Discussion Group Report Back

At the conclusion of the breakout group exercise, Mr. Kirby facilitated a report back from each of the groups where volunteers gave a brief report on their respective groups' discussion. During the volunteer reports, Esmeralda Garcia of MIG, Inc., member of the projects' consultant team, recorded key themes and discussion points on a large wall graphic at the front of the room (see Appendix B).

As a result of the group discussions and presented reports, the following key themes emerged:

> **Water Supply and Conservation/Recharge** – Private wells are drying up as large scale developments and big water producers are pumping large quantities of water and causing an overdraft in the groundwater basin. Recharge efforts are needed to stabilize and replenish the water table. Recharge efforts should include capturing stormwater flows in recharge basins before they reach the dry lakes and infrastructure improvements to maximize water conservations and capture methods. A revision of policies relating to the use of grey water could also help with conservation efforts and minimize groundwater depletion.

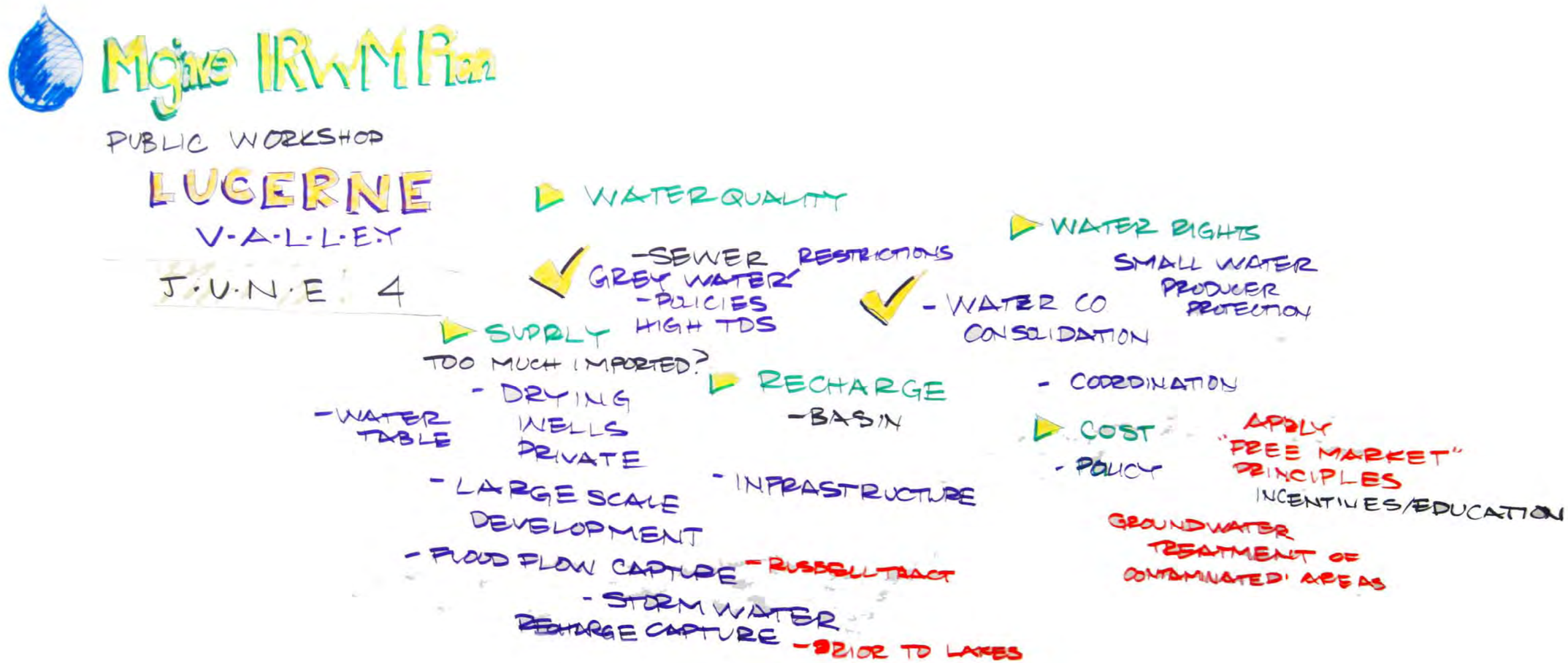
Water Rights – The rights of small water producers should be protected. Equality of water use should be established regardless of user size. The overall approach toward water users and providers should be based on free market principles instead of heavy handed regulations. Motivate cooperation from users, producers, and agencies using incentives.

Water Quality – Sewer systems are needed as there is a high potential for contamination of the groundwater due to proximity of the water table to a high concentration of septic systems in the Lucerne Valley area. Consolidation of water companies would be helpful in coordinating efforts to protect water quality and coordinate treatment of contaminated groundwater.

D. Final Comments

At the end of the group reports, Mr. Kirby reviewed common themes and key findings from the groups and thanked the participants for joining in the discussions. Additionally, some participants submitted written comments on the discussion guides/comment cards before leaving the workshop.

Some comments reiterated concerns about overdraft conditions resulting in homeowners incurring high costs and regulatory challenges when faced with the need to deepen their wells to access water. Some participants from the Johnson Valley stated that land owners in their community cannot enjoy their property without a reliable water source, which is difficult to attain since hauled water is not acceptable to the County and drilling wells is expensive and the groundwater is not always of good quality. One participant also expressed the concern that distrust between small users and regulatory agencies will hamper the coordination required for regional projects. Another participant cited a concern about water pollution and the increased need for water treatment due to development in the area. Additional comments echoed concerns expressed earlier in the group discussions about water quality contamination due to the proliferation of septic systems in the Lucerne Valley downtown area and the need for a sewer system. A participant also stated that many of the small mutual water providers are in serious need of infrastructure improvements and new wells. Unification of the companies would help alleviate the strain of services and their coordinated effort may enable them to qualify for funding.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PUBLIC WORKSHOP
LUCERNE
V·A·L·L·E·Y
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WATER QUALITY
-SEWER RESTRICTIONS
GREY WATER
-POLICIES
HIGH TDS
WATER RIGHTS
SMALL WATER PRODUCER PROTECTION
- WATER CO CONSOLIDATION
SUPPLY
TOO MUCH IMPORTED?
- DRYING WELLS PRIVATE
-WATER TABLE
- LARGE SCALE DEVELOPMENT
- FLOOD FLOW CAPTURE
- STORM WATER RECHARGE CAPTURE
RECHARGE
-BASIN
- INFRASTRUCTURE
-RUSSELL TRACT
-PRIOR TO LAKES
- COORDINATION
COST
- POLICY
APPLY "FREE MARKET" PRINCIPLES
INCENTIVES/EDUCATION
GROUNDWATER TREATMENT OF CONTAMINATED AREAS

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Integrated Regional Water Management Plan

MOJAVE IRWM PLAN UPDATE 2013

CITY OF BARSTOW

PUBLIC WORKSHOP #2

June 5, 2013 ◆ 7:00 p.m. – 9:00 p.m.
Barstow Senior Center
555 Melissa Avenue, Barstow

SUMMARY REPORT

INTRODUCTION

On June 5, 2013 the Mojave Water Agency held its second public meeting to elicit feedback from community members in the Mojave region on water-related concerns and needs in order to guide the update of the Mojave Integrated Regional Water Management Plan. The purpose of this workshop was to (a.) create awareness of water resource conditions in the Mojave region; (b.) educate community members about the Mojave Integrated Regional Water Management Plan and the update process; and (c.) identify specific water resource needs/challenges in the Barstow and surrounding areas, including potential opportunities for addressing those needs.

WORKSHOP OUTREACH

Below is a list of notification efforts used to engage a wide range of participants in the workshop:

- Distribution of workshop notices via U.S. mail
- Advertisement in local newspapers
- Posting workshop information on the project website (www.mywaterplan.com)
- Posting workshop information on community bulletins, at the City of Barstow Chamber of Commerce, and at Barstow City Hall

WORKSHOP FORMAT

Approximately 18 community members attended the second public workshop for the Mojave Integrated Regional Water Management Plan Update. Upon signing in, participants received a workshop booklet containing a meeting

agenda, discussion guide/comment card for submitting written comments from the workshop, draft objectives for the Mojave Integrated Regional Water Management Plan, and a frequently-asked-questions fact sheet.

A. Presentation

Lance Eckhart from the Mojave Water Agency initiated the workshop by welcoming participants and thanking them for attending. He then provided an overview of the workshop objectives and agenda, and introduced project staff. Mr. Eckhart introduced meeting facilitator Ken Kirby of Kirby Consulting Group, Inc., part of the project's consultant team, who then provided an informational presentation describing the Mojave Integrated Regional Water Management Plan process.

Following the presentation, Mr. Kirby and Mojave Water Agency staff answered questions from workshop attendees regarding how water from the State Water Project is used and how it affects local water users. Other questions from workshop attendees related to the rising cost of water, the depletion of water resources, and conservation measures taken to reduce the use of water. Attendees also expressed concern about how some users are allowed to pump water without the use of meters while others must rely on meters in order to regulate the amount of water pumped. Others commented on the need for more communication between local residents and water agencies and providers about water projects and conservation efforts that can affect their communities.

B. Breakout Group Discussions

After the presentation and initial questions session, workshop participants were instructed on how to proceed with the breakout group discussion exercise. Each table was responsible for discussing and documenting their group comments based on a series of water-related topics listed in their discussion guides and on a large poster sheet on the table. These topics provided structure for the discussion of participants' top water issues discussion. Participants were asked three basic questions:

1. Which water-related issues are most important to you and your community, and why?
2. What are some opportunities or ideas to address these issues?
3. What are some specific challenges or barriers that may get in the way?

A facilitator was available at each table to help guide the conversation and record comments on large flip chart notepads.

The following sections represent a summary of the discussions and findings recorded during the breakout session and overarching themes as reported out by workshop participants.

Top Water-Related Issues

There were five main areas of concern that emerged from the water resource needs identified by the discussion groups. The most common water issues among the groups revolved around the supply, cost and quality of water. Participants in most groups said they think the cost of water is too high and that the rate structure should be revised. In addition, some participants said they feel that users are treated unfairly since some are regulated by meters and others are on an "honor system" and can freely pump water without being monitored by meters. Many participants also said they feel that there is a lack of communication between water providers and water users regarding water projects and programs that affect fees and services creating a general distrust of water purveyors among the users. Most participants indicated that the rising cost of water is exacerbated by the decreasing supply of water and declining water quality. One participant explained that on top of paying more for water, users still purchase bottled drinking water because of contaminants and low quality of the water.

The following chart organizes by category the major water issues/concerns identified by the discussion groups, ideas cited by participants on how to address these issues and challenges that may arise, as documented by the facilitators.

Top Water-Related Issues Identified by Discussion Groups

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
High cost of water due to an unfair tier system for fee rates, ongoing meter fees, decreasing water supply, and low water quality	Opportunity	Re-assess baselines of use and ensure that the water rate adjustment mechanism is functioning correctly.
	Opportunity	Focus on keeping costs low for consumers and provide justification for fee increases
	Opportunity	Encourage PUC and rate-payer advocates to be more responsive to water users
	Opportunity	Review options for replacing Golden State Water Company
	Opportunity	Diversify communication methods (i.e. newspaper, radio, local bulletin boards, and internet) between water providers and local users regarding water projects in order to improve understanding of water costs and fee increases
Low water quality – Local residents/water users have to pay for water they cannot drink because it contains excessive levels of Arsenic, Nitrate, Manganese and Uranium. The Barstow area has high levels of perchlorate and nitrate, and water in the Hinkley area has high levels of chromium6	Opportunity	Provide water testing kits for users to check if their water is safe
	Opportunity	Ongoing monitoring and reporting of water quality
	Challenge	Costs associated with increased monitoring of water may result in additional costs to users
	Challenge	There may be a general mistrust of the regulatory agency (i.e. Lahontan RWQCB) overseeing the monitoring of the water quality
	Opportunity	Establish a local water testing lab that is EPA compliant
	Opportunity	Provide an alternative water source in case the local groundwater is unsafe or not enough to sustain local users
	Opportunity	Increase communication and notify the public about the potential contaminants in the water and their effects.

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
Diminishing water supply due to increased development, and inefficient conservation measures	Opportunity	Ensure that the MWA adjudication is adhered to by upstream users
	Opportunity	Identify options for bringing more water into the area
	Opportunity	Ensure enough water rights are publicly owned to stabilize and maintain the water supply
	Opportunity	Continue to provide and expand incentives for water conservation efforts (i.e. xeriscape)
	Opportunity	Improve and increase methods for capturing stormwater runoff as a means to recharge the groundwater basin in addition to alleviating flooding conditions in the area
	Opportunity	Establish a CSD (Community Services District) and transition private well owners to a community system (i.e. potable water distribution system)
	Challenge	The costs associated with establishing a community water system are very high (could cost Hinkley $10-$12 million)
	Opportunity	Update MWA adjudication in line with increased development and growth
	Opportunity	Expand the requirement for meters to include developments with less than 45 houses *and* monitor water use of all metered properties
Flooding of roads	Opportunity	Repair existing bridges
Water infrastructure is outdated and in disrepair	Opportunity	Apply for grants and other funding sources to repair water infrastructure and improve services
	Challenge	Training is needed to improve grant writing

Priority of Water-Related Topics

After identification and discussion of top water concerns and issues, the groups reviewed the list of broad key water resource related topics for the Mojave Integrated Regional Water Management Plan that guided their discussions. Participants were asked to rank the water topics by using dot stickers to assign priority. The purpose of this exercise was to assist with the Mojave Integrated Regional Water Management Plan in devising programs and projects to meet regional and community specific needs.

The chart below indicates the number of votes for each water related topic per group. The top three priority water-related topics that workshop participants felt were most relevant in their community are 1) Cost of Water Rights; 2) Water Supply and Conservation; and 3) Water Quality.

Priority Ranking of Water-Related Topics in the Mojave Integrated Regional Water Management Plan

Water-Related Topics	Group 1	Group 2	Group 3	Group 4	Group 5	Total Votes
Cost of Water Resources	3	3		4	4	14
Water Supply and Conservation	3	3	1	4	2	13
Water Quality	3	2	1	4	3	13
Water Rights					2	2
Climate Change					1	
Stormwater and Flood Management						
Growth and Land Use						
Natural Resource Management (habitat protection)						

C. Discussion Group Report Back

At the conclusion of the breakout group exercise, Mr. Kirby facilitated a report back from the groups where volunteers gave a brief report on their respective groups' discussion. During the volunteer reports, Mark Sillings of MIG, Inc., part of the projects' consultant team, recorded key themes and discussion points on a large wall graphic at the front of the room (see Appendix B).

As a result of the group discussions and reports back, the following key themes emerged:

Uncertain Water Quality – The high levels of contaminants (Perchlorate, Arsenic, etc.) in the water is disconcerting, particularly in the Hinkley area. In order to get a handle on the quality of the local groundwater and improve consumer confidence, monitoring and testing should be conducted more frequently and thoroughly. Additionally, providing consumers with testing kits would help to make water users more knowledgeable about water conditions and perhaps ease their need to purchase additional bottled water for drinking.

Diminishing Water Supply – With a declining water supply, the community should consider establishing a potable water distribution system that does

not rely on the local water supply. The costs of a distribution system could be incorporated into the water fees. If water from outside sources is required to sustain the local area, perhaps 20 percent of all water rights of current users can be used to purchase it. For example, if users purchase ten acre feet of water, let them only use eight acre feet. This would conserve two acre feet of water (20 percent of the purchased water) and the surplus money from the purchase can be used to pay for water from outside sources. In addition, requiring all users to have meters would entice more users to conserve water.

Rising Cost of Water – The cost of water is high and the current fee structure seems unfair, particularly for users that make efforts to conserve water. The baseline for rates should be evaluated and revised according to levels of water use and not the size of the user. Furthermore, many users feel that their concerns are overlooked by the PUC and water purveyors and perhaps replacing Golden State as a provider could resolve some of the conflict with the water users.

D. Final Comments

At the end of the group reports, Mr. Kirby reviewed common themes and key findings from the groups and thanked the participants for joining in the discussions. Staff from Mojave Water Agency along with Mr. Kirby answered a few questions from participants before the close of the meeting. Final questions revolved around the frequency of water testing for quality and safety and the availability of additional water from the State Water Project as a supplemental source of water. One participant indicated that it would be helpful in reassuring users if service providers, including Golden State, also attended meetings for the Mojave Integrated Regional Water Management Plan Update.

Additionally, some participants submitted written comments on the discussion guides/comment cards before leaving the workshop.

Some comments reiterated concerns about the need for improved communication (not just via internet) between water agencies and providers regarding water projects and programs. Others pointed out that the current water infrastructure is leaking and in need of repair. There were also comments about the need for more frequent testing of water for safety and quality. Additional comments reflected the widespread concern of workshop attendees regarding the high cost of water due to an unfair rate system that bases fees on the water use of average consumers county-wide, but the needs of the users in the high desert are different than the average county water consumer. Suggestions for addressing concerns about water fees and water quality include replacing Golden State, incentivizing conservation efforts, re-assessing the fee

structure for water costs, and making water quality reports available on the internet for consumer review.

MOJAVE IRWM PLAN
BARSTOW
JUNE 5, 2013

1 Cost of W. ✓✓✓
2 W. supply + cows ✓
3 Water Q. in Hinkley ✓ → adequate testing monitoring?
perchlorate → consumer confidence → provide testing kits
4 communication w/ citizens
what is true? use walmart
5 Barriers → GOLDEN State + P.U.C.

Capital costs build into rates → Need potable w. dist. system w/ supply not local

Reassess baselines for rates
unfair to this region
rate structure
maintain infrastructure

Are costs fair
especially for conservation

Replace GOLDEN State as provider

Questions
- How often water tested?
- CAN WE increase % of State water project? important to this region
- Invite GOLDEN State to these!!

- Use 20% of water rights if purchase needed water beyond adjudication
- NEED W. meters → people do not conserve
- W Q → arsenic
- Lawns go w/ increase rates impact air quality
- Water Q uncertain → buying bottled water

Mojave IRWM Plan
Integrated Regional Water Management Plan

MOJAVE IRWM PLAN UPDATE 2013

CITY OF VICTORVILLE

PUBLIC WORKSHOP #3

June 6, 2013 ◆ 6:30 p.m. – 8:30 p.m.
Victorville City Hall
Conference Room D
14343 Civic Drive, Victorville

SUMMARY REPORT

INTRODUCTION

On June 6, 2013 the Mojave Water Agency held its third public meeting to elicit feedback from community members in the Mojave region on water-related concerns and needs in order to guide the update of the Mojave Integrated Regional Water Management Plan. The purpose of this workshop was to (a.) create awareness of water resource conditions in the Mojave region; (b.) educate community members about the Mojave Integrated Regional Water Management Plan and the update process; and (c.) identify specific water resource needs/challenges in the Victorville area, including potential opportunities for addressing those needs.

WORKSHOP OUTREACH

Below is a list of notification efforts used to engage a wide range of participants in the workshop:

- Distribution of workshop notices via U.S. mail
- Advertisement in local newspapers
- Posting workshop information on the project website (www.mywaterplan.com)
- Posting workshop information on community bulletins, at Victorville City Hall and Chamber of Commerce.

WORKSHOP FORMAT

Three community members participated in the Victorville public workshop for the Mojave Integrated Regional Water Management Plan Update. Upon signing in, participants received a workshop booklet containing a meeting agenda, discussion guide/comment card for submitting written comments from the workshop, draft objectives for the Mojave Integrated Regional Water Management Plan, and a frequently-asked-questions fact sheet.

A. Presentation

Lance Eckhart from the Mojave Water Agency initiated the workshop by welcoming participants and thanking them for attending. He then provided an overview of the workshop objectives and agenda, and introduced project staff. Mr. Eckhart introduced meeting facilitator Ken Kirby of Kirby Consulting Group, Inc., part of the project's consultant team, who then provided an informational presentation describing the Mojave Integrated Regional Water Management Plan process.

Following the presentation, Mr. Kirby and Mojave Water Agency staff answered questions from workshop attendees relating to the involvement of various entities on regional water issues and projects (the County, smaller service providers, agricultural community, local users and well owners). Staff also answered questions about water levels in the area and things that residential users can do to conserve water. Mark Sillings of MIG, Inc., part of the projects' consultant team, recorded questions from the participants during the questions and answers session on a large wall graphic at the front of the room.

B. Breakout Group Discussions

After the presentation and initial questions session, the three workshop participants were divided into two discussion groups. The groups were small and intimate, allowing for more in depth discussions between the participants and Mojave Water Agency staff about water issues and potential solutions. Each table was responsible for discussing and documenting their group comments based on a series of water-related topics listed in their discussion guides and on a large poster sheet on the table. These topics provided structure for the discussion of participants' top water issues discussion. Participants were asked three basic questions:

1. Which water-related issues are most important to you and your community, and why?
2. What are some opportunities or ideas to address these issues?
3. What are some specific challenges or barriers that may get in the way?

A facilitator was available at each table to help guide the conversation and record comments on large flip chart notepads.

The following sections represent a summary of the discussions and findings recorded during the breakout session and overarching themes as reported out by the group facilitators.

Top Water-Related Issues

The five main areas of concern that emerged from the water resource needs identified by the discussion groups revolved around the quality and conservation of water and the lack of awareness in community about existing water conditions. One prevalent concern among the discussion participants was that most community members in the

Victorville area do not think water supply is a problem and that their concern about water quality is a result of the taste of the water. Participants came to the conclusion that there is a growing need for public awareness about water conditions in the immediate area and the region. Another common thought expressed by the participants was that more incentives are needed to encourage and promote conservation practices among developers and residents.

The following chart organizes by category the major water issues/concerns identified by the discussion groups, ideas cited by participants on how to address these issues and challenges that may arise, as documented by the facilitators.

Top Water-Related Issues Identified by Discussion Groups

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
There is a lack of public awareness in the Victorville area about water conditions resulting in the perception that water "must not be a problem"	Opportunity	Educate kids about water and where is comes from
There is a lack of confidence in the quality of municipal water – the decline in the taste of water results in the perception that the quality of the water is low	Opportunity	Educate local residents about water to alleviate misconceptions about water quality
There is little effort to conserve water and conservation methods can be costly	Opportunity	Provide incentives for new developers to use conservative landscape methods for new projects similar to the modified landscaping trends among existing residential properties (there is a trend with individual homeowners changing out their lawns for xeriscape yards)
	Opportunity	Provide incentives to encourage agricultural users to change crops and improve water conservation practices (instead of flooding fields to grow alfalfa)
	Opportunity	Provide incentive programs for residents to use conservation practices such as Cash for Grass programs
Declining water quality and supply	Opportunity	Develop a regulatory watershed plan to protect source water quality
	Opportunity	Increase monitoring of the watershed
	Opportunity	Increase recharge enhancement efforts – expand facilities (i.e. Ames Reiche)
	Challenge	Infrastructure "fixes" are too costly and funding resources are limited
Water and safety hazards related to abandoned wells	Opportunity	Make an inventory of abandoned wells and develop affordable methods to procure them (some counties cap/seal unused wells to minimize safety and contamination hazards)

Priority of Water-Related Topics

After identification and discussion of top water concerns and issues, the groups reviewed the list of broad key water resource related topics for the Mojave Integrated Regional Water Management Plan that guided their discussions. Participants were asked to rank the water topics by using dot stickers to assign priority. The purpose of this exercise will inform the update process of the Mojave Integrated Regional Water Management Plan in devising programs and projects to meet regional and community specific needs.

The chart below indicates the number of votes for each water related topic per group. The top three priority water-related topics that workshop participants felt were most relevant in their community are 1) Water Supply and Conservation; 2) Cost of Water; and 3) Growth and Land Use.

Priority Water-Related Topics in the Mojave Integrated Regional Water Management Plan

Water-Related Topics	Group 1	Group 2	Total Votes
Water Supply and Conservation		5	5
Cost of Water Resources		4	4
Growth and Land Use	1	3	4
Water Quality	1	2	3
Stormwater and Flood Management		1	1
*Education	1		1
Natural Resource Management (habitat protection)			
Water Rights			
Climate Change			

*NOTE: Group 1 proposed this item as an additional important issue that needed to be addressed.

C. Report Back

At the conclusion of the breakout group exercise, Mr. Kirby facilitated a report back from the groups where volunteers gave a brief report on their respective groups' discussion.

The following key theme emerged from the group discussions:

> **Water Supply and Conservation** – There is a need for increased public awareness to alleviate misconceptions about the availability and quality of water in the Victorville area. In addition more incentive programs are needed to entice

local residents, developers, and the agricultural community to use conservation practices in farming, projects and homes.

D. Final Comments

At the end of the group reports, Mr. Kirby reviewed common themes and key findings from the groups and thanked the participants for joining in the discussions.

Mojave IRWM Plan
Integrated Regional Water Management Plan

MOJAVE IRWM PLAN UPDATE 2013

PIÑON HILLS/PHELAN

DISADVANTAGED COMMUNITIES WORKSHOP #1

June 10, 2013 ◆ 6:30 p.m. – 8:30 p.m.
Piñon Hills CSD
10433 Mountain Avenue, Piñon Hills

SUMMARY REPORT

INTRODUCTION

On June 10, 2013 the Mojave Water Agency held its first Disadvantaged Communities workshop to elicit feedback from community members of Mojave Region on water-related concerns and needs in order to guide the update of the Mojave Integrated Regional Water Management Plan. The purpose of this workshop was to (a.) create awareness of water resource conditions in the Mojave Region; (b.) educate community members about the Mojave Integrated Regional Water Management Plan and the update process; and (c.) identify specific water resource needs/challenges in the Piñon Hills and Phelan communities including neighboring areas, and potential opportunities for addressing those needs.

WORKSHOP OUTREACH

Below is a list of notification efforts used to engage a wide range of participants in the workshop:

- Distribution of workshop notices via U.S. mail
- Advertisement in local newspapers
- Posting workshop information on the project website (www.mywaterplan.com)
- Posting workshop information on bulletins throughout the Piñon Hills and Phelan communities

WORKSHOP FORMAT

Approximately 10 community members attended the first Disadvantaged Communities workshop for the Mojave Integrated Regional Water Management

Plan Update. Upon signing in, participants received a workshop booklet containing a meeting agenda, discussion guide/comment card for submitting written comments from the workshop, draft objectives for the Mojave Integrated Regional Water Management Plan, and a frequently-asked-questions fact sheet.

Presentation

Mark Sillings of MIG, Inc., part of the project's consultant team, initiated the workshop by welcoming participants and thanking them for attending. He then provided an overview of the workshop objectives and agenda, and introduced project staff. Mr. Sillings introduced meeting facilitator Lance Eckhart from the Mojave Water Agency and member of the project team, who then provided an informational presentation describing the Mojave Integrated Regional Water Management Plan process.

Following the presentation, Mr. Eckhart answered general questions from workshop attendees regarding the sale and purchase of water rights and applicability of the Mojave Water Agency's adjudication on different water users.

A. Breakout Group Discussions

After the presentation and initial questions session, workshop participants were instructed on how to proceed with the breakout group discussion exercise. Each table was responsible for discussing and documenting their group comments based on a series of water-related topics listed in their discussion guides and on a large poster sheet on the table. These topics provided structure for the discussion of participants' top water issues discussion. Participants were asked three basic questions:

1. Which water-related issues are most important to you and your community, and why?
2. What are some opportunities or ideas to address these issues?
3. What are some specific challenges or barriers that may get in the way?

A facilitator from the project team was available at each table to help guide the conversation and record comments on large flip chart notepads.

The following sections represent a summary of the discussions and findings recorded during the breakout session and overarching themes as reported out by workshop participants.

Top Water-Related Issues

There were five main areas of concern that emerged from the water resource needs identified by the discussion groups. The most common water issues among the groups revolved around the supply and quality of water. Many participants indicated that conservation practices should be promoted and incentivized to help alleviate declining water levels in the local groundwater basin. Participants also expressed concern about highways and local roads flooding during heavy rains and indicated that basins would be useful in minimizing mud flows and flooding of roadways in addition to providing a means for recharging the groundwater table.

The following chart organizes by category the major water issues/concerns identified by the discussion groups, ideas cited by participants on how to address these issues and challenges that may arise, as documented by the facilitators.

Top Water-Related Issues Identified by Discussion Groups

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
Diminishing water supply, including decline of the El Mirage water table, as a result of growth in the area; low conservation efforts; and invasive vegetation with high water demands	Opportunity	Provide incentives for conservation
	Opportunity	Educate people moving into the area on the importance of conservation and the value of water
	Opportunity	Develop water capture/percolation (recharge) basins – even on individual residential properties to increase conservation
	Challenge	Getting the word out about water conservation and incentives can be costly and difficult
	Opportunity	Establish reclaimed water use program for the community (i.e. purple pipes)
	Opportunity	Work with developers to manage population growth and stabilize declining water resources
Potential decline in local water quality – percolation (recharge) ponds can spread disease if not constructed properly, Nitrate levels are also rising due to imported water and septic tanks in the area	Opportunity	Establish a local sewer system (i.e. Wrightwood)
	Challenge	Will the treatment plant impact groundwater quality?

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
Flooding and damage to local roads and highways from stormwater and mud flows	Opportunity	Develop basins nearby Heath Creek and Upper Sheep Creek to catch stormwater for recharge *and* prevent mud flows
	Opportunity	Map boundaries of the local water basins and washes to increase understanding of water flows and direction in order to capture runoff
Declining natural habitats and watersheds	Opportunity	Protect the Upper Reames and Sand Creek Washes
Rising cost of water due to cutbacks in the amount of imported water from the State, high legal fees to resolve adjudication issues (Antelope Valley Adjudication and L.A. County)		
Zoning and land use regulations impacting water use and supply – can existing water resources sustain growth allowed by current zoning?		

Priority of Water-Related Topics

After identification and discussion of top water concerns and issues, the groups reviewed the list of broad key water resource related topics for the Mojave Integrated Regional Water Management Plan that guided their discussions. Participants were asked to rank the water topics by using dot stickers to assign priority. The purpose of this exercise was to assist the Mojave Integrated Regional Water Management Plan Update in devising programs and projects to meet regional and community specific needs.

The following chart indicates the number of votes for each water related topic per group. The top four priority water-related topics that workshop participants indicated were most relevant in their community are 1) Water Supply and Conservation; 2) Water Quality; 3) Stormwater and Flood Management; and 4) Growth and Land Use.

Priority Ranking of Water-Related Topics in the Mojave Integrated Regional Water Management Plan

Water-Related Topics	Group 1	Group 2	Total Votes
Water Supply and Conservation	2	4	6
Water Quality	2	4	6
Stormwater and Flood Management	4	2	6
Growth and Land Use	3	3	6
Natural Resource Management (habitat protection)	1	2	3
Water Rights	1		1
Cost of Water Resources			
Climate Change			

B. Discussion Group Report Back

At the conclusion of the breakout group exercise, Mr. Eckhart facilitated a report back from the groups where volunteers gave a brief report on their respective groups' discussion. During the volunteer reports, Noemi Bass of MIG, Inc., part of the projects' consultant team, recorded key themes and discussion points on a large wall graphic at the front of the room.

As a result of the group discussions and reports back, the following key themes emerged:

Diminishing Water Supply and Low Efforts for Conservation – In order reduce impacts on the local water resources, the community needs to change how water is used. Education on various ways to use water wisely and establishing a set of water management practices (including the use of grey water on private property) could help reduce the demand for water. Incentive programs would also help increase water conservation efforts and motivate people to care about water resources.

Potential Impacts on Water Quality – Rising Nitrate levels are affecting the quality of the local water supply.

Stormwater and Flood Management– Mud and stormwater runoff frequently flood local roads and highways. Installation of basins to capture stormwater could alleviate mud and flooding conditions and

function as a groundwater recharge mechanism. The challenge with basins for water capture, however is that if the water stands in the basins too long they can impact the surrounding ecosystems.

Growth and Land Use – Water supply and quality are affected by growth and land use as permitted by local zoning regulations. Working with developers and decision makers to consider the availability of, and impacts on water resources when evaluating projects and implementing development practices that are water-conservative could instrumental in minimizing impacts on local water resources.

C. Close of the Meeting

At the end of the group reports, Mr. Eckhart reviewed common themes and key findings from the groups and thanked the participants for joining in the discussions.

MOJAVE IRWM PLAN
Piñon Hills
JUNE 10, 2013

WATER Rights?
- OVER 10 acF annual subject to adj. (most private wells < 10 acF)
- CSD recent purchase water rights
- OK to buy water rights | must stay in Basin if sell.

Flood Mngmt/Stormh2O
- Mud/Runoff Flows → Concern + Opportunity Basins to capture
- ↑ Nitrate levels (H2O Quality) → Education

GROWTH/Land Use
~~Stormh2O~~ - H2O Rights + ↑ $
- Zoning impacting H2O levels/Quality → working w/ Developers on diff. methods of water use

H2O Supply/Conservation
- Δ's in H2O use → Education BMP's on how to use H2O
- Programs/Incentives → Get people to care

H2O Quality
- Ecosystem impacts (standing water)
  - → Using greywater on private prop's (obstacles in regulation of how-to)

Mojave IRWM Plan
Integrated Regional Water Management Plan

MOJAVE IRWM PLAN UPDATE 2013

HELENDALE

DISADVANTAGED COMMUNITIES WORKSHOP #2

June 11, 2013 ◆ 6:30 p.m. – 8:30 p.m.
Helendale CSD
26540 Vista Road, Suite C, Helendale

SUMMARY REPORT

INTRODUCTION

On June 11, 2013 the Mojave Water Agency held its second Disadvantaged Communities meeting to elicit feedback from community members in the Mojave Region on water-related concerns and needs in order to guide the update of the Mojave Integrated Regional Water Management Plan. The purpose of this workshop was to (a.) create awareness of water resource conditions in the Mojave region; (b.) educate community members about the Mojave Integrated Regional Water Management Plan and the update process; and (c.) identify specific water resource needs/challenges in the Helendale and surrounding areas, including potential opportunities for addressing those needs.

WORKSHOP OUTREACH

Below is a list of notification efforts used to engage a wide range of participants in the workshop:

- Distribution of workshop notices via U.S. mail
- Advertisement in local newspapers
- Posting workshop information on the project website (www.mywaterplan.com)
- Posting workshop information on bulletins at the Helendale Chamber of Commerce and throughout the community

WORKSHOP FORMAT

Approximately 8 community members attended the second Disadvantaged Communities workshop for the Mojave Integrated Regional Water Management Plan Update. Upon signing in, participants received a workshop booklet

containing a meeting agenda, discussion guide/comment card for submitting written comments from the workshop, draft objectives for the Mojave Integrated Regional Water Management Plan, and a frequently-asked-questions document.

Presentation

Mark Sillings of MIG, Inc., part of the project's consultant team, initiated the workshop by welcoming participants and thanking them for attending. He then provided an overview of the workshop objectives and agenda, and introduced project staff. Mr. Sillings introduced meeting facilitator Lance Eckhart from the Mojave Water Agency and member of the project team, who then provided an informational presentation describing the Mojave Integrated Regional Water Management Plan process.

Following the presentation, Mr. Eckhart and other staff from the Mojave Water Agency answered questions from workshop attendees regarding ways to get more people in the community to be more aware of local and regional water issues, particularly the Delta.

A. Breakout Group Discussions

After the presentation and initial questions session, workshop participants were instructed on how to proceed with the breakout group discussion exercise. Each table was responsible for discussing and documenting their group comments based on a series of water-related topics listed in their discussion guides and on a large poster sheet on the table. These topics provided structure for the discussion of participants' top water issues discussion. Participants were asked three basic questions:

1. Which water-related issues are most important to you and your community, and why?
2. What are some opportunities or ideas to address these issues?
3. What are some specific challenges or barriers that may get in the way?

A facilitator from the project team was available at each table to help guide the conversation and record comments on large flip chart notepads.

The following sections represent a summary of the discussions and findings recorded during the breakout session and overarching themes as reported out by workshop participants.

Top Water-Related Issues

The three main areas of concern that emerged from the discussion groups revolved around the use of tertiary/recycled water, and declining water supply and quality. Participants said they think that tertiary water is a viable source for water recharge projects and could be more widely used for various tasks in the community. However, regulations on the use of recycled water are too restrictive and common misconceptions about the safety of recycled water may hamper efforts to increase and expand the use of recycled water. The group participants also shared a concern about the high levels of contaminants in the water affecting the water quality in local wells and limiting the supply of potable water. In addition, most participants expressed that existing conservation programs should be revised to increase participation and improve effectiveness of conservation practices and methods in order to safeguard the local water supply.

The following chart organizes by category the major water issues/concerns identified by the discussion groups, ideas cited by participants on how to address these issues and challenges that may arise, as documented by the facilitators.

Top Water-Related Issues Identified by Discussion Groups

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
Limited use of tertiary/recycled water	Opportunity	Expand access and use of tertiary water to allow blending with local lakes rather than diverting all of it to golf courses
	Challenge	Potential that tertiary water use will elevate salt levels in the lakes due to treatment processes
	Challenge	Limited funding resources to acquire necessary permits to use tertiary water
	Opportunity	Increase the use of recycled water by local residents
	Challenge	Disproving the publics' misconceptions about the use of recycled water
	Opportunity	Link tertiary water treatment projects with other conservation methods/programs to increase opportunities for grants and other funding resources
	Opportunity	Collaborate with other agencies to devise effective projects that are more likely to receive funding

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
Declining water supply	Opportunity	Purchase replacement water to supplement wells
	Challenge	Water replacement is exceeding authorized levels (FPA - Free Production Allowance) and costs are increasing
	Challenge	Limited funding for replacement water to compensate for previous drought years
	Opportunity	Increase conservation efforts with incentives (rebates, etc.) and educate the public about conservation methods such as low flow sprinklers and toilets
	Opportunity	Update and enhance existing conservation incentive programs – include options for how to replace turf and with what (i.e. subsurface option for turf areas), provide information and options for upgrading irrigation systems for water efficiency
Low water quality – irrigation for golf courses result in high salt and silt accumulation affecting the sustainability of the golf courses and local water resources (over 40 years of salt accumulation)	Opportunity	Develop basins to capture silt and prevent inflow to golf courses
	Challenge	Environmental mitigation management along the Mojave River by Fish and Game is restrictive and can limit installation of basins to capture stormwater
	Opportunity	Establish a desalinization process for local water and partner with other agencies to help offset costs
Low water quality – CSD wells have high levels of Arsenic, Iron, Manganese, and TDS (total dissolved solids) and therefore potable drinking water is very limited	Opportunity	Develop water remediation programs to treat water and improve its quality
	Challenge	Limited funding
	Challenge	What to do with the byproduct of remediated water? Need clear regulations

Priority of Water-Related Topics

After identification and discussion of top water concerns and issues, the groups reviewed the list of broad key water resource related topics for the Mojave Integrated Regional Water Management Plan that guided their discussions. Participants were asked to rank the water topics by using dot stickers to assign priority. The purpose of this exercise was to assist the Mojave Integrated

Regional Water Management Plan in devising programs and projects to meet regional and community specific needs.

The following chart indicates the number of votes for each water related topic per group. The top three priority water-related topics that workshop participants felt were most relevant in their community are 1) Water Supply and Conservation; 2) Water Quality; and 3) Recycled Water.

Priority Ranking of Water-Related Topics in the Mojave Integrated Regional Water Management Plan

Water-Related Topics	Group 1	Group 2	Total Votes
Water Supply and Conservation	5	5	10
Water Quality	5	1	6
*Recycled Water		5	5
Cost of Water Resources	2	1	3
Water Rights	1	1	2
Stormwater and Flood Management	1		1
Natural Resource Management (habitat protection)	1		1
Climate Change		1	1
Growth and Land Use			
*Grant Writing and Tracking – Connect the needs with funding sources			

*NOTE: Group 1 proposed this item as an additional important issue that needed to be addressed.

B. Discussion Group Report Back

At the conclusion of the breakout group exercise, Mr. Eckhart facilitated a report back from the groups where volunteers gave a brief report on their respective groups' discussion. During the volunteer reports, Esmeralda Garcia of MIG, Inc., part of the projects' consultant team, recorded key themes and discussion points on a large wall graphic at the front of the room.

As a result of the group discussions and reports back, the following key themes emerged:

Low Conservation Efforts and Water Supply – It is critical to increase conservation efforts among all community members to stabilize the local

water supply. Conservation incentive programs should include sustainable practices for a wide range of water users (i.e. residential users, recreational businesses including golf courses, and commercial users). In addition, expanding opportunities for using tertiary/recycled water would increase water efficiency and could be a source for increasing the water supply. Replacement water from outside sources is another option for replenishing low water levels, however replacement water is costly.

Declining Water Quality – Remediation programs and grants are important for improving the poor quality of water due to high levels of contaminants.

C. Final Comments

At the end of the group reports, Mr. Eckhart reviewed common themes and key findings from the groups and thanked the participants for joining in the discussions. Staff from Mojave Water Agency answered a few questions from participants before the close of the meeting. Final questions revolved around how County Service Areas (CSA's) and other agencies can leverage funding for water projects and program, and whether the Mojave Water Agency tracks near-term grants and if this resource is available to smaller agencies and districts.

Mojave IRWM PLAN
Helendale June 11, 2013

OPPORTUNITIES

- "CASH FOR GRASS" MODEL PROGRAM
- EDUCATION
- "COMMERCIAL PILOT PROGAM
- FLOOD MANAGEMENT
- RECYCLED WATER
- REMEDIATION GRANTS & PROGRAMS
- CONSERVATION
  - RESIDENTIAL DEVT.
  - GOLF COURSE SUSTAINABLE PRACTICES

WATER REPLACEMENT FUNDING
RESOURCE COSTS

QUESTIONS

(?) CREATE AWARENESS
- DELTA
- WATER ISSUES/NEEDS
- LOCALLY

(?) CAN CSA'S & OTHERS LEVERAGE FUNDING?

(?) DOES STAFF TRACK NEAR-TERM GRANTS? FOR SMALLER PROJECTS
- CAN THIS RESOURCE BE AVAILABLE TO SMALLER AGENCIES AND DISTRICTS? AGENCIES

Mojave IRWM Plan
Integrated Regional Water Management Plan

MOJAVE IRWM PLAN UPDATE 2013

TOWN OF YUCCA VALLEY

DISADVANTAGED COMMUNITIES WORKSHOP #3

June 12, 2013 ◆ 6:30 p.m. – 8:30 p.m.
Yucca Valley Senior Center
57090 Twentynine Palms Highway, Yucca Valley

SUMMARY REPORT

INTRODUCTION

On June 12, 2013 the Mojave Water Agency held its last of seven public meetings, and final Disadvantaged Communities workshop, to elicit feedback from community members in the Mojave Region on water-related concerns and needs in order to guide the update of the Mojave Integrated Regional Water Management Plan. The purpose of this workshop was to (a.) create awareness of water resource conditions in the Mojave Region; (b.) educate community members about the Mojave Integrated Regional Water Management Plan and the update process; and (c.) identify specific water resource needs/challenges in Yucca Valley and neighboring areas, including potential opportunities for addressing those needs.

WORKSHOP OUTREACH

Below is a list of notification efforts used to engage a wide range of participants in the workshop:

- Distribution of workshop notices via U.S. mail
- Advertisement in local newspapers
- Posting workshop information on the project website (www.mywaterplan.com)
- Posting workshop information on community bulletins at Yucca Valley Chamber of Commerce

WORKSHOP FORMAT

Approximately 36 community members attended the third and last Disadvantaged Communities workshop for the Mojave Integrated Regional Water Management Plan Update. Upon signing in, participants received a

workshop booklet containing a meeting agenda, discussion guide/comment card for submitting written comments from the workshop, draft objectives for the Mojave Integrated Regional Water Management Plan, and a frequently-asked-questions document.

A. Presentation

Marina West of the Bighorn-Desert View Water Agency initiated the workshop by welcoming participants and thanking them for attending. She then provided an overview of the workshop objectives and agenda, and introduced project staff. Ms. West introduced meeting facilitator Lance Eckhart from the Mojave Water Agency and member of the project team, who then provided an informational presentation describing the Mojave Integrated Regional Water Management Plan process.

Following the presentation, Mr. Eckhart and other staff from the Mojave Water Agency answered questions from workshop attendees relating to the rate at which the groundwater basin is being depleted by agricultural users in the local area. Workshop participants also asked questions about the cost of services for wastewater treatment, and whether water reclamation was more efficient and effective than septic systems. Questions were also asked about the Mojave Water Agency's adjudication responsibilities and if the Mojave Integrated Regional Water Management Plan boundaries would coincide with the Mojave Water Agency's service boundary. Mr. Eckhart explained that the boundaries of the Plan will expand beyond the Agency's service area boundaries to coincide with the boundaries of the watershed.

B. Breakout Group Discussions

After the presentation and initial questions session, workshop participants were instructed on how to proceed with the breakout group discussion exercise. Each table was responsible for discussing and documenting their group comments based on a series of water-related topics listed in their discussion guides and on a large poster sheet on the table. These topics provided structure for the discussion of participants' top water issues discussion. Participants were asked three basic questions:

1. Which water-related issues are most important to you and your community, and why?
2. What are some opportunities or ideas to address these issues?
3. What are some specific challenges or barriers that may get in the way?

A facilitator from the project team was available at each table to help guide the conversation and record comments on large flip chart notepads.

The following sections represent a summary of the discussions and findings recorded during the breakout session and overarching themes as reported out by workshop participants.

Top Water-Related Issues

There were nine main areas of concern that emerged from the water resource needs identified by the discussion groups. The most common water issues among the groups revolved around the quality and supply water, and the need to increase conservation efforts. Some participants indicated that in addition to explaining necessary water projects to consumers, phasing the projects would help to make affordability of water more manageable for consumers by alleviating dramatic spikes in fees. Many participants expressed concern that growth has been largely uncontrolled resulting in significant impacts on the water supply. Participants indicated that coordination among all communities in the Region is an essential step in safeguarding existing resources. In addition, some participants said that water resources could be further protected by educating the public, including the development community and decision makers, about water and energy efficient development practices and land use activities. A few participants expressed great interest in expanding sewer services to reduce septic systems and increasing the use of recycled water.

The following chart organizes by category the major water issues/concerns identified by the discussion groups, ideas cited by participants on how to address these issues and challenges that may arise, as documented by the facilitators.

Top Water-Related Issues Identified by Discussion Groups

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
The cost of water is increasing and affecting the affordability of water for local residents	Opportunity	Whenever scientifically feasible, phase or stagger water-related projects in order to control costs
	Opportunity	Adjudicate the rest of the region to control water usage/pumping
Reclamation processes to preserve water quality are very costly	Opportunity	Recruit expertise to help get grant funding and explore additional funding sources

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
Diminishing water resources due to population growth, land uses with a high water demand (i.e. golf courses, parks), and inefficient infrastructure	Opportunity	Curb development activity to control growth and ensure that there is sufficient water supply to accommodate any proposed growth
	Challenge	Lack of regulatory authority
	Opportunity	Develop a basin-wide plan with all communities working together to have a more significant effect on the demand for water resources
	Opportunity	Obtain support from the County to? manage land use and growth more efficiently
	Opportunity	Use non-potable water on parks/fields/golf courses
	Opportunity	Conduct a study of water resources and identify potential options for safeguarding supply and quality
	Opportunity	Over build infrastructure/plan for future growth and inevitable natural disasters (i.e. leverage recharge facilities for regional storage in preparation of a potential earthquake along the Hayward Fault located in Northern California that can affect the delivery of water from the State Water Project to the Mojave Region)
	Opportunity	Identify ways to minimize the amount of fresh water from Suisun Bay (a source of water that supplies the State Water Project located in Northern California) that is lost to the ocean in order to increase the amount of water available to the Mojave Region
Increased water consumption due to climate change	Opportunity	Cover the aqueduct to reduce evaporation of water
	Opportunity	Implement a water conservative landscape ordinance across all areas of the county to counteract the increased water demand on landscaping resulting from climate change

Water Issues/Concerns	Participants' Comments/Opportunities and Challenges to Address Issues	
Impacts on water quality from increased septic systems, trash, mining activities, industrial dumping	Opportunity	Expand the wastewater treatment facility to accommodate a larger portion of the region and reduce the use of septic systems
	Challenge	Limited funding resources to support expansion of water facilities and supporting infrastructure
	Opportunity	Control runoff with debris from developed properties
	Opportunity	Educate people about water quality and contamination sources
	Opportunity	Increase accountability by identifying parties responsible for dumping
Need to increase efforts to conserve water	Opportunity	Work with land use agencies to encourage native landscape and xeriscape practices
	Opportunity	Increase public awareness about conservation options
	Challenge	A disconnect between local government (town) and water agencies
	Opportunity	Build catch basins in urban areas to increase rainwater capture
	Opportunity	Educate developers and decision makers about permaculture practices to increase and encourage water conservation, reduce power consumption and emission of greenhouse gases
	Opportunity	Use solar and wind energy to export/import water
Development activity in the local areas has been diverting natural course of water flows resulting in flooding and increased mud and silt in water runoff	Opportunity	Learn to use natural waterways to our advantage (i.e. Santa Ana River)
	Opportunity	Determine if a tiered dam system would slow down flows and make groundwater recharge in the local basin more effective during storm events
Frustration among local residents and users about increasing water costs	Opportunity	Educate the public about water conditions and projects to explain associated costs, processes, and status of projects
	Opportunity	Apply the same water rates for small consumers to towns and parks
The true value of water is not reflected in fees and rates (are water prices artificially low?)		

Priority of Water-Related Topics

After identification and discussion of top water concerns and issues, the groups reviewed the list of broad key water resource related topics for the Mojave Integrated Regional Water Management Plan that guided their discussions. Participants were asked to rank the water topics by using dot stickers to assign priority. The purpose of this exercise was to assist with the Mojave Integrated Regional Water Management Plan Update in devising programs and projects to meet regional and community specific needs.

The chart below indicates the number of votes for each water related topic per group. The top three priority water-related topics that workshop participants ranked as most relevant in their community are 1) Water Supply and Conservation; 2) Water Quality; and 3) Cost of Water Resources.

Priority Ranking of Water-Related Topics in the Mojave Integrated Regional Water Management Plan

Water-Related Topics	Group 1	Group 2	Group 3	Group 4	Total Votes
Water Supply and Conservation	3	2	8	7	**20**
Water Quality	5	3	4	4	**16**
Cost of Water Resources	8	1	2	3	**14**
Stormwater and Flood Management		2	5	2	**9**
Growth and Land Use	1	2	1	3	**7**
*Recycled Water/Sewer		7			**7**
Natural Resource Management (habitat protection)	1		1	1	**3**
Climate Change		3			**3**
Water Rights		1		1	**2**

*NOTE: Group 2 proposed this item as an additional important issue that needed to be addressed.

C. Discussion Group Report Back

At the conclusion of the breakout group exercise, Mr. Eckhart facilitated a report back from each of the groups where volunteers gave a brief report on their respective groups' discussion. During the volunteer reports, Esmeralda Garcia of MIG, Inc., member of the project consultant team, recorded key themes and discussion points on a large wall graphic at the front of the room.

As a result of the group discussions and presented reports, the following key themes emerged:

Managing the Water Supply and Improving Conservation – Effective and efficient water management should stem from collaboration among local, regional, and state agencies, particularly for executing water-related projects. A key component in safeguarding water resources is educating the public (i.e. real estate and development communities, consumers, and decision makers) about conservation practices such as permaculture, natural landscaping and xeriscape methods. Expanding the adjudication could also help to improve conservation by extending regulatory compliance among more water users/pumping. Flood management could also be more effective in recharging the groundwater basin with catch basins to capture water flows. Another method for conserving water is to expand the use of recycled water (i.e. using non-potable water for watering parks, fields, golf courses, yards).

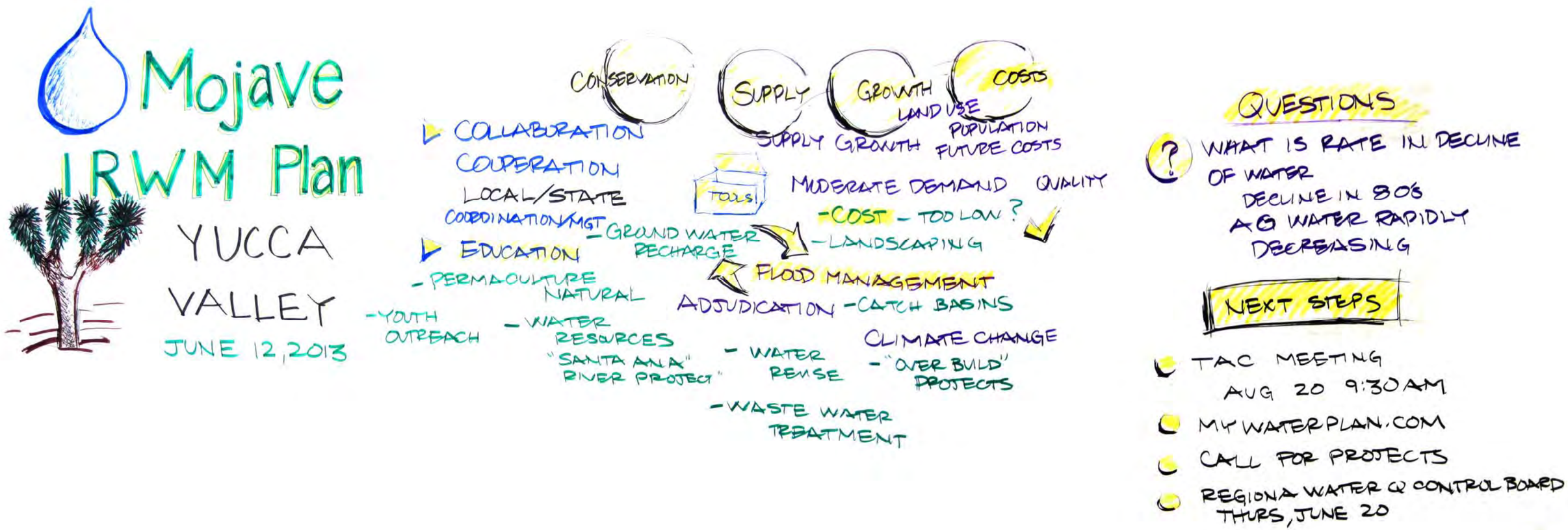
Controlling Growth and Protecting Water Resources – Land use regulations should include evaluation of available resources to support new development and growth. Over building new infrastructure and expanding capacity of existing facilities (i.e. waste water treatment plants) in order to accommodate future growth could also help to minimize impacts from future demands on resources – plan for the inevitable.

D. Final Comments

At the end of the group reports, Mr. Eckhart reviewed common themes and key findings from the groups and thanked the participants for joining in the discussions. Additionally, some participants submitted written comments on the discussion guides/comment cards before leaving the workshop.

Some comments reiterated the need for a regional wastewater system as a response to the impacts on the water quality of the basin due to septic systems in the area. However, a major challenge to expanding wastewater treatment facilities and services is that it is cost prohibitive without financial support from outside entities and will likely result in significant cost increases for the end users. A participant explained that the viability of Yucca Valley is dependent upon the availability of a diminishing water supply and decreasing water quality. One suggestion is that Hi-Desert Water District should consider partnering with neighboring districts to utilize their non-septic impacted basins for long term storage. These "lease" opportunities could be mutually beneficial by allowing growth to occur in Yucca Valley while lands are set aside for conservation (in exchange for storage rights).

Other comments revolved around concerns about growth and the availability (or lack thereof) of water resources. One participant indicated that the challenge is not that there isn't enough water since there appears to be sufficient water in the Morongo Basin as a whole but rather the issue is that development and growth is occurring in areas of the basin where water is not available.


Mojave
IRWM Plan
YUCCA
VALLEY
JUNE 12, 2013
CONSERVATION
SUPPLY
GROWTH
COSTS
LAND USE
POPULATION
SUPPLY GROWTH FUTURE COSTS
COLLABORATION
COOPERATION
LOCAL/STATE
COORDINATION/MGT
TOOLS
MODERATE DEMAND
QUALITY
-COST - TOO LOW ?
-GROUND WATER RECHARGE
-LANDSCAPING
EDUCATION
FLOOD MANAGEMENT
-PERMACULTURE
NATURAL
ADJUDICATION
-CATCH BASINS
-YOUTH OUTREACH
-WATER RESOURCES
"SANTA ANA" RIVER PROJECT
-WATER REUSE
CLIMATE CHANGE
-"OVER BUILD" PROJECTS
-WASTE WATER TREATMENT
QUESTIONS
WHAT IS RATE IN DECLINE OF WATER
DECLINE IN 80S
AG WATER RAPIDLY DECREASING
NEXT STEPS
TAC MEETING
AUG 20 9:30AM
MYWATERPLAN.COM
CALL FOR PROJECTS
REGIONA WATER Q CONTROL BOARD
THURS, JUNE 20

APPENDIX F

FACILITATOR'S GUIDE AND BREAKOUT GROUPS DISCUSSION GUIDE

Mojave Integrated Regional Water Management Plan
Public Workshop

BREAKOUT GROUPS
DISCUSSION GUIDE AND COMMENT CARD

The purpose of today's meeting is to identify water resource related needs in your community and opportunities to address them. The facilitator for your group will lead the dialogue and begin the discussion.

Please use the form below to write down your comments and turn them in at the end of the workshop. In addition, your facilitator will use the flip chart to capture key points from your group's discussion, which will be shared with the entire group during the final part of today's workshop.

The Mojave IRWM will address many different water resource related topics. These include:

- *Water Supply and Conservation*
- *Water Quality*
- *Stormwater and Flood Management*
- *Costs of Water Resources*
- *Water Rights*
- *Natural Resource Management (habitat protection)*
- *Growth and Land Use*
- *Climate Change*
- *Others ?*

Given these topics, which water-related issues are most important to you or your community? Why are they important to you?

_____
_____
_____
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Discuss any specific opportunities to address these issues.

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What are some specific challengers or barriers that may get in the way?

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Do you have any additional comments?

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FACILITATOR GUIDE

The following outlines a seven-step process to help you facilitate the discussion during your breakout group discussion.

Step 1

INTRODUCTIONS (5 minutes)

- Introduce yourself to the group. Explain that your role is to listen and facilitate the breakout group discussion.
- Explain that the primary purpose of the discussion is to identify:
  - Water resource related needs in their community,
  - Opportunities to address them, and
  - Challenges that may get in the way.
- Tell them that you will be asking the group to respond to the questions that are in their discussion guide and recording their answers on the flip chart. Also, they can write their answers in their discussion guides.
- Have each participant introduce him/herself and state in which community they live.

Step 2

IDENTIFYING WATER RESOURCE NEEDS (15 minutes)

- Ask the participants to open up their discussion guides
- Pointing to the water resource topics listed on flip chart page (which are also in the discussion guide) , ask the participants to consider the following:
  a. *Given these topics, which water-related issues are most important to you and your community?*
  b. *Why are they important to you?*
- Make sure everyone who wants to speak has an opportunity to suggest an idea.
- Use the flip chart to write down the major points expressed by the group.
- Re-state their ideas to make sure you have heard them correctly.
- Remind participants to record their ideas in the spaces provided in their discussion guide.
- After each person has provided a response, ask if they have any thing else to add.
- Tape the completed flipchart pages on the wall where they can be easily seen for review later on.
- Once you are satisfied that everyone has had an opportunity to provide input move onto the next question.

Step 3

OPPORTUNITIES (10 minutes)

- Review and summarize the major water resource needs that the group identified in response to the first question.
- Have the group consider possible solutions for these problems by asking:
  a. *What are some opportunities or ideas they may have to address these issues?*
- Record their answers on the flipchart.
- Re-state their ideas to make sure you have heard them correctly.
- If someone has multiple suggestions that is ok, but make sure they do not dominate the discussion.
- Make sure everyone has an opportunity to suggest an idea.

	• If an idea is mentioned more than once, place a check mark next to that idea each time it happens (rather than writing it down multiple times). • Keep going around the table until there are no additional ideas. • Tape the completed flipchart pages on the wall where they can be easily seen for review later on. • Remind the participants to record their ideas in the spaces provided on the comment booklet.
Step 4	OVERCOMING OBSTACLES (10 minutes) • Summarize the solutions that participants proposed in response to the previous question • Now, ask the group to think about some of the obstacles that may make it difficult to implement these ideas by asking: a. What are some specific challenges or barriers that may get in the way? • Record their answers on the flipchart. • Re-state their ideas to make sure you have heard them correctly. • Ask the participants to record their ideas in the spaces provided on the comment booklet.
Step 6	PRIORITIZATION EXERCISE (5 minutes) • Point to your flip chart and summarize key points from the discussion – o Major issues identified by the group o Opportunities to address them o Challenges that could get in the way. ▪ Given what has emerged from the group discussion, ask each person to use 3-colored dots to select what they consider to be most important water resource related topics. ▪ They can allocate the dots any way they like – place one dot each of three different topics, two dots on one and a third on another, or all three dots on one topic (depending on what they believe is most important) • Thank the group for participating and collect the comment booklets.
Step 7	CLOSING (1 minute) ▪ Congratulate your group for a job well done. Explain that we now want to return to the main meeting area, where we will report our results and hear from the other groups. After that, there will be an open discussion among all participants for the rest of the meeting. ▪ Select a volunteer to report back, which can the facilitator or a member of the breakout group. ▪ Encourage people to walk back with you to the main meeting area

MIG Facilitator's Guide Dos and Don'ts

Do encourage – smile, nod, make eye contact
Don't evaluate – avoid saying things like "good comment" or "I agree"
Do encourage participants to speak one at a time by calling on people by name
Don't become a participant yourself by telling your own stories or adding your own comments to the discussion
Do practice active listening, repeating a synopsized version of what you've heard, as necessary

The Expert and the Facilitator: Two Different Roles

The Expert	The Facilitator
Your opinion is based on fact, research and experience and should be expressed.	You help the group think through and express its own views. Keep your opinion to yourself – it can easily distract and misdirect the discussion.
Leadership means you know what you're talking about and direct the group toward the logical conclusion. Your role is based on content.	You provide leadership by letting the group express itself and making sure that all participate. Your role is to help the process.
You tell people what answers and solutions are.	You allow the group to determine its own answers.
You interject to add information or to correct errors.	You allow the group to catch its own errors.
You make sure the recorder captures what you believe are key issues.	You recap and summarize, allowing the group to identify any item that may have been missed or misinterpreted.
You spend 90% of the time outlining facts, experiences and examples and 10% of the time asking questions.	You spend 90% of the time asking questions or recapping discussion and 10% of the time providing resource information.

Special Situations:

Dominating Participant Don't insult or get into an argument with this individual. Instead say "Thank you, Joe. We've recorded your comment that rats shouldn't be a protected species (point to the flip chart or wall graphic). Now, we haven't heard yet from Dave or Carol…Do either of you have thoughts on this topic?"

Quiet Participant(s) Rather than "you've been quiet", say "we haven't heard from this side of the table – Ellen or Don, do you have thoughts on this issue?" Also, start-up "round robin" (going around the table with introductions and asking each person to also respond to a question) tends to draw out people who might otherwise be quiet.

Group Is Stuck on One Topic Say, "We've got about fifteen minutes left to discuss these other two topics – does anyone want to address these areas?"

Participants Arguing with Each Other "I see we have two different positions on this issue – lets write them down."

How do you know if you have been successful? The group will feel like they did it all themselves!!

APPENDIX G

SAMPLE PRESENTATION

AGENDA

- Water and Planning Background
- Q & A
- Breakout Group Discussions
- Identifying community needs
- Report Back
- Conclusion

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Integrated Regional Water Management Plan

www.mywaterplan.com

Mojave IRWM Plan
Integrated Regional Water Management Plan

WHERE DOES OUR WATER COME FROM?

Where does our water come from?

Mojave Region Groundwater Basins

Nearly all the water used for businesses, homes, and farms throughout the Mojave Region is pumped from groundwater

Mojave IRWM Plan
Integrated Regional Water Management Plan

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Where does our water come from?

Mojave Region Groundwater Basins

- Millions of gallons of water are pumped from the groundwater basins everyday by different water users (homeowners, water districts, etc.)
- Most groundwater basins are now in "balance" due to reduced pumping and imported State Project water

Some areas continue to experience localized overdraft conditions

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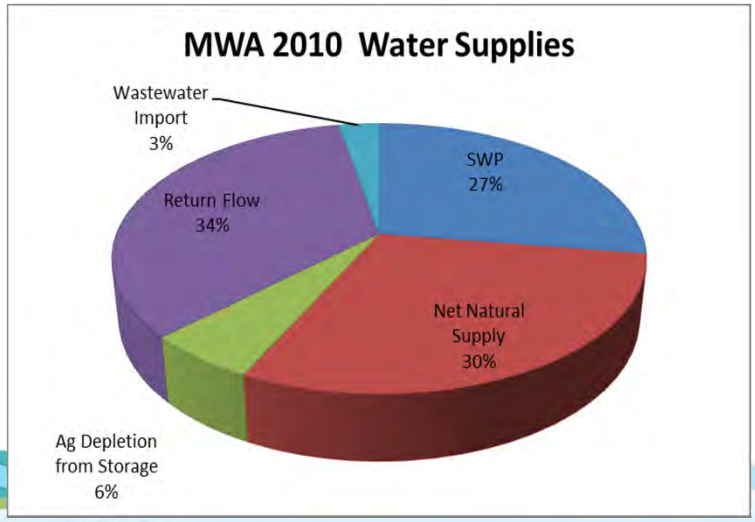
Where does our water come from?



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Managing water resources in the Mojave Region

- The Mojave Water Agency (MWA) is responsible for managing the Region's water resources
  - Manages groundwater pumping
  - Monitors natural and imported water flows into the basin, including treated wastewater
- MWA serves as the court-appointed Watermaster over the Mojave Basin Area

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Integrated Regional Water Management Plan

INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) PLANNING

Integrated Regional Water Management (IRWM) Planning

- IRWM Plan is a collaborative effort to manage all aspects of water resources in the Region
- Opportunity to formulate comprehensive, sustainable solutions for water resources
- Consistent with a State program administered by California DWR

Mojave IRWM Plan
Integrated Regional Water Management Plan
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Integrated Regional Water Management Planning

- An IRWM Plan ***does not*** change or override existing water rights or property rights, or create new regulations
- Provides a framework to coordinate regional water management projects and programs

The Mojave IRWM Plan will set a vision for the next 25-plus years of water management in the High Desert

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Integrated Regional Water Management Plan
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Why do we need an IRWM Plan?

- Facing big challenges
- Need creative solutions
- Must work together in new ways

The Mojave IRWM Plan will help the Region compete for future funding.

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Big Challenges

- Growing Population
- Increasing uncertainty in water supply
- Water quality concerns
- Increasing cost of water supplies
- Flood and storm water management
- Including perspectives of all citizens in the Region

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The 2004 Mojave IRWM Plan

- Over the last 10 years $170 million in local, state, and federal dollars have been invested in High Desert water infrastructure and water supplies

- Regional Recharge & Recovery Project (R-Cubed)
- Deep Creek Recharge Project
- Invasive Species Removal
- Joshua Basin Recharge
- Mojave River Pipeline Extension
- Water Conservation Incentive Program
- Oro Grande Wash Recharge Project
- Ames/Reche Recharge
- Hi-Desert Water District Wastewater Treatment Plant design

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Funding Sources

- Prop 84 IRWM planning and implementation funds
  - $1 billion total (with $27 million for Lahontan Region & $36 million for Colorado Region funding area and $100 million interregional)
- Proposition 1E – storm water flood management –$300 million
- Many other State and Federal grants/loans also available

Various grants administered by the State Department of Water Resources and contributions from local governments and agencies fund the IRWM Plan

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Mojave IRWM Plan
Integrated Regional Water Management Plan

UPDATING THE 2004 IRWM PLAN

Updating the 2004 IRWM Plan

- A Regional Water Management Group (RWMG) has formed to develop and implement the Plan
- The RWMG is made up of several water organizations in the Region

Mojave Water Agency

Morongo Basin Pipeline Commission

RESOURCE

VVWRA

TECHNICAL ADVISORY COMMITTEE TO THE MOJAVE WATER AGENCY

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Integrated Regional Water Management Plan

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Updating the 2004 IRWM Plan

Who are the key players in developing the Plan?

- Stakeholders, including community members throughout the Region
- RWMG
- Project Team – works on the content of the Plan
  - Staff from the RWMG
  - Consultants
  - Local professionals

The RWMG relies on stakeholders, including all community members, to provide input and direction in the development of the Plan.

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Integrated Regional Water Management Plan

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How can you participate?

- Attend meetings and participate in workshop activities.
- Stay informed by accessing materials and provide input via the project website.
  - www.mywaterplan.com
- Review and comment on draft material.

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Integrated Regional Water Management Plan

QUESTIONS

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Where does our water come from?

Natural Groundwater Recharge

The Mojave River is the primary source of native water supply for the basin.

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Integrated Regional Water Management Plan

www.mywaterplan.com

Where does our water come from?

Imported Groundwater Recharge

Additional water from the State Water Project is recharged into the basin to replenish depleted water resources.

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Integrated Regional Water Management Plan

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Where does our water come from?

Other sources of Groundwater Recharge…

- "Return Flow" from septic systems, irrigation, and discharges from wastewater treatment plants
- Treated wastewater from the mountain communities

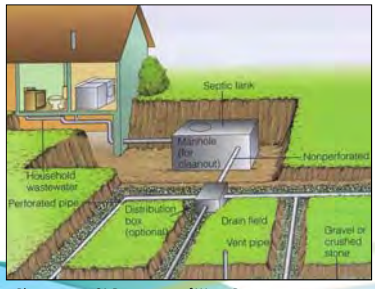

Photo source: CA Department of Water Resources

Photo source: MWA

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Integrated Regional Water Management Plan
www.mywaterplan.com

The Mojave Water Agency's (MWA) Role

- Stores and collects water supply and use information for the region
- Imports supplemental water supplies from the State Water Project
- Invests in water management projects and conservation programs
- Coordinating the IRWM Planning process update

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Integrated Regional Water Management Plan
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Why do we need an IRWM Plan?

- It's required by CA law, consistent with a State program administered by the CA Department of Water Resources
- Transparent process that integrates diverse interests.
- Improves and shares available information to help communities make water management decisions.
- Positions the region for future funding opportunities.
- It results in coordinated regional projects rather than individual projects.

The Mojave IRWM Plan will help the region compete for future funding.

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Updating the 2004 IRWM Plan

The IRWM Plan process

- Revisit and update 2004 IRWM Plan objectives
- Re-engage and seek community input
- Identify stakeholder and community water management needs
- Develop a process for evaluating/prioritizing projects
- Identify and select projects

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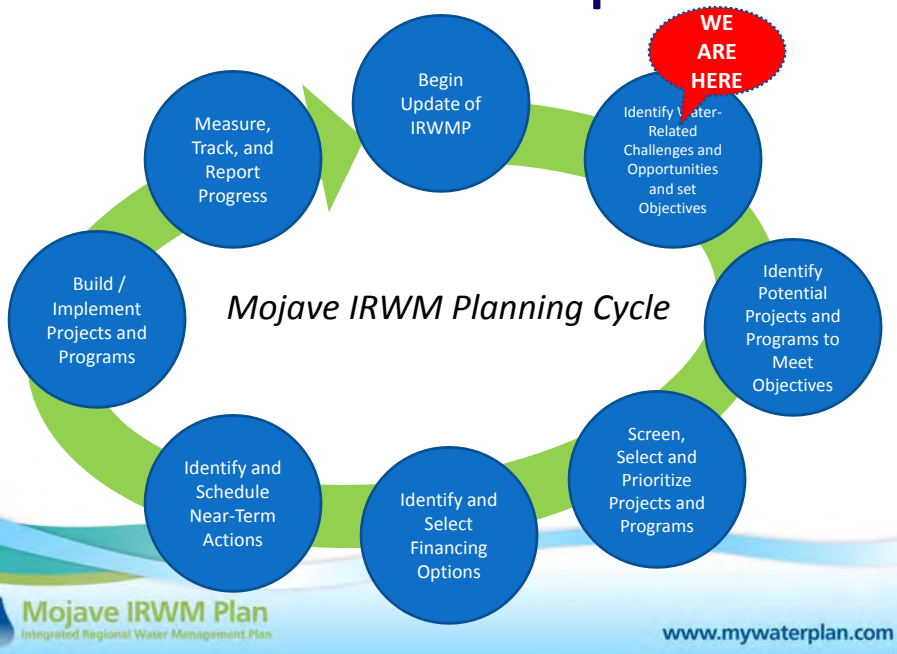
Where are we in the process?



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Collaboration

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Appendix A.7

Disadvantaged Community Outreach Materials

Disadvantaged Community Outreach

Since the intent of the overall IRWM Plan outreach efforts was to identify the water-related challenges and opportunities of the Mojave Region at the community level, the public workshops and disadvantaged community (DAC) meetings were designed to provide the same information and had similar formats. This allowed flexibility for people to attend any stakeholder meeting of preference and ensure that there were no gaps in the information provided across the Region. In addition, while the majority of the Mojave Region is considered to be disadvantaged, some members of those DAC may not be aware that they are considered as such and may have been more inclined to attend a Public Workshop instead of a Disadvantaged Community Meeting. Because of this the DAC Outreach materials are the same as the Public Outreach Materials, so please also refer to Appendix A.6: Summaries of Public Workshops.

For the DAC Meetings, effort was made to publish notices of the meetings in places where potential participants would see the notices. Where appropriate, the meeting flyers were translated into Spanish and posted and the meeting handout materials were also available in Spanish. The Project Team had Spanish speaking presenters attend the DAC meetings where a high Spanish speaking population turnout was expected.

On the following pages are examples of the information that was translated into Spanish along with the English version.

AYUDA A PLANIFICAR PROYECTOS DE AGUA Y PROGRAMAS PARA NUESTRA REGIÓN

LUCERNE VALLEY
Martes, Junio 4 a las 5:00 pm.
Lucerne Valley Senior Center
10431 Allen Way (atrás de la biblioteca)

BARSTOW
Miércoles, Junio 5 a las 7:00 pm.
Barstow Senior Center
555 Melissa Ave.

VICTORVILLE
Jueves, Junio 6 a las 6:30 pm.
Victorville City Hall, Conf. Rm. D
14343 Civic Dr.

NEWBERRY SPRINGS
Sábado, Junio 8 a las 1:00 pm.
Newberry Springs Community Center
30884 Newberry Rd.

YUCCA VALLEY
Miércoles, Junio 12 a las 6:30 pm.
Yucca Valley Senior Center
57090 Twentynine Palms Hwy.

PIÑON HILLS
Lunes, Junio 10 a las 6:30 pm.
Piñon Hills CSD
10433 Mountain Ave.

HELENDALE
Martes, Junio 11 a las 6:30 pm.
Helendale CSD
26540 Vista Rd., Ste. C

NECESITAMOS QUE NOS HAGA SABER SUS PREOCUPACIONES

¿Está usted preocupado por...
- La calidad del agua?
- La disponibilidad de agua en el desierto?
- El manejo de inundaciones?
- Los derechos de agua?
- El costo de los recursos hídricos?

Si es así, por favor, únase a nosotros para que comparta sus ideas.

¿Qué significa esto para usted? Es la hoja de ruta para un suministro de agua de largo plazo equilibrada para nuestra región, y a través de este proceso fondos pueden estar disponibles para ayudar a desarrollar proyectos y programas para satisfacer las necesidades de agua de vuestra comunidad.

Pero para que realmente se pueda hacer frente a las necesidades de nuestra comunidad, ¡NECESITAMOS QUE NOS HAGA SABER SUS PREOCUPACIONES!

Unase a nosotros en una de estas reuniones, o visite nuestro sitio Web a

AYUDA A PLANIFICAR PROYECTOS DE AGUA Y PROGRAMAS PARA NUESTRA REGIÓN

LUCERNE VALLEY
Martes, Junio 4 a las 5:00 pm.
Lucerne Valley Senior Center
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Martes, Junio 11 a las 6:30 pm.
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NECESITAMOS QUE NOS HAGA SABER SUS PREOCUPACIONES

¿Está usted preocupado por...
- La calidad del agua?
- La disponibilidad de agua en el desierto?
- El manejo de inundaciones?
- Los derechos de agua?
- El costo de los recursos hídricos?

Si es así, por favor, únase a nosotros para que comparta sus ideas.

Actualmente, cinco agencias locales de agua se han unido como un grupo de la Gerencia Regional del Agua para que juntos actualicen el plan Integrado de Gestión del Agua Regional de Mojave del 2004.

¿Qué significa esto para usted? Es la hoja de ruta para un suministro de agua de largo plazo equilibrada para nuestra región, y a través de este proceso fondos pueden estar disponibles para ayudar a desarrollar proyectos y programas para satisfacer las necesidades de agua de vuestra comunidad.

Pero para que realmente se pueda hacer frente a las necesidades de nuestra comunidad, ¡NECESITAMOS QUE NOS HAGA SABER SUS PREOCUPACIONES!

Unase a nosotros en una de estas reuniones, o visite nuestro sitio Web a

mywaterplan.com

Para más información llame al: (760) 946-7000

Mojave IRWM Plan
Integrated Regional Water Management Plan

HELP PLAN WATER PROJECTS AND PROGRAMS FOR OUR REGION

LUCERNE VALLEY
Tuesday, June 4 @ 5:00 p.m.
Lucerne Valley Senior Center
10431 Allen Way (behind library)

BARSTOW
Wednesday, June 5 @ 7:00 p.m.
Barstow Senior Center
555 Melissa Ave.

VICTORVILLE
Thursday, June 6 @ 6:30 p.m.
Victorville City Hall, Conf. Rm. D
14343 Civic Dr.

NEWBERRY SPRINGS
Saturday, June 8 @ 1:00 p.m.
Newberry Springs Community Center
30884 Newberry Rd.

YUCCA VALLEY
Wednesday, June 12 @ 6:30 p.m.
Yucca Valley Senior Center
57090 Twentynine Palms Hwy.

PIÑON HILLS
Monday, June 10 @ 6:30 p.m.
Piñon Hills CSD
10433 Mountain Ave.

HELENDALE
Tuesday, June 11 @ 6:30 p.m.
Helendale CSD
26540 Vista Rd., Ste. C

WE NEED TO HEAR FROM YOU

Are you concerned about…
- Your water quality?
- Availability of water in the desert?
- Flood management?
- Water rights?
- Cost of water resources?

If so, please join us to share your ideas.

Currently, five local water agencies have joined together as the Regional Water Management Group to update the 2004 Mojave Integrated Regional Water Management Plan.

What does this mean to you? It's the road map for a long-term balanced water supply for our region, and through this process funds may become available to help develop projects and programs to meet your community's water needs.

But to truly address your community's needs,
WE NEED TO HEAR FROM YOU!

Join us at one of these meetings or visit our website at

mywaterplan.com

For more information call: (760) 946-7000

Mojave IRWM Plan
Integrated Regional Water Management Plan

¿Tiene algún comentario adicional?

¿Cómo puede usted participar o mantenerse informado?

Hay varias formas diferentes en que usted puede ayudar a desarrollar los proyectos y programas del agua. Usted puede **asistir a uno de los siete talleres públicos** que se estan llevando a cabo en junio del 2013, o una de las nueve reuniones del Grupo de Inversionistas que se llevarán a cabo en el proceso del desarrollo del Plan IRWM en los próximos 18 meses. Más información y horarios para estas reuniones se pueden encontraren el sitio de web del Plan IRWM de la Región de Mojave en www.mywaterplan.com. También puede aportar sus observaciones por escrito:

Vía correo electrónico a comments@mywaterplan.com

O por correo a:
Mojave Water Agency
Attn: Integrated Regional Water Management Plan Comments
13846 Conference Center Drive
Apple Valley, CA 92307

O póngase en contacto con nosotros:
Por correo electrónico a comments@mywaterplan.com
Por teléfono al (760) 946-7000

Plan de la Administración Integrada Regional del Agua de Mojave Taller Público

TRABAJO EN GRUPOS
GUÍA DE DISCUSIÓN Y PÁGINA DE COMENTARIOS

Agenda

Bienvenida e Inicio de Sesión

I. Información General Sobre el Plan IRWM
- ¿De dónde viene nuestra agua?
- ¿Qué es un Plan de IRWM?
- ¿Por qué es importante para la región de Mojave?
- ¿Cómo afecta a usted y su comunidad?
- ¿Cómo se desarroll el Plan IRWM?
- ¿Cómo se puede participar?

II. Preguntas y Respuestas

III. Discusiones de Grupo
- Necesidades
- Oportunidades

IV. Informes de los Grupos
- Resumen de la Discusión de Grupo
- Puntos Clave

V. Conclusión
- Pasos Siguientes

El propósito de la reunión de hoy es identificar las necesidades relacionadas con los recursos hidrológicos en su comunidad y las oportunidades para resolverlos. El líder de su grupo estará guiando los diálogos e iniciará las discusiones.

Por favor utilice el siguiente formulario para escribir sus comentarios y entréguelo al final del taller. Además, el líder de su grupo utilizará el rotafolio para captar los puntos claves de las discusiones de su grupo, los cuales serán compartidos con todo el grupo durante la parte final del taller de hoy.

El Mojave IRWM estará tratando con diversos temas relacionados con los recursos hidrológicos. Estos incluyen:

- Suministro de Agua y Conservación
- Calidad del Agua
- Aguas pluviales y el manejo de Inundaciones
- Los costos de los Recursos Hidrológicos
- Derechos de Agua
- Servicio de Recursos Naturales (protección del hábitat)
- Crecimiento y el uso del terreno
- Cambio Climático
- ¿Otros?

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¿Teniendo en cuenta estos temas, cuales son las cuestiones relacionadas con el agua que son más importantes para usted o su comunidad?

El Mojave IRWM estará tratando con diversos temas relacionados con los recursos hidrológicos. Estos incluyen:

- Suministro de Agua y Conservación
- Calidad del Agua
- Aguas pluviales y el manejo de Inundaciones
- Los costos de los Recursos Hidrológicos
- Derechos de Agua
- Servicio de Recursos Naturales (protección del hábitat)
- Crecimiento y el uso del terreno
- Cambio Climático
- ¿Otros?

¿Por qué son importantes para usted?

¿Cuáles son algunas oportunidades e ideas que pueda tener para hacer frente a este asunto?

¿Cuáles son algunos de los retos y obstáculos específicos que pueden interponerse en el camino?

Yo me considero una parte del _____ comunidad.

Gracias!

Do you have any additional comments?

How can you get involved or stay informed?

There are a number of different ways you can help develop water projects and programs. You can **attend one of the seven public workshops** that are taking place in June 2013, or one of the nine Stakeholder Group meetings that are taking place over the 18-month IRWM Plan development process. Additional information and schedules for these meetings can be found on the Mojave IRWM Plan website www.mywaterplan.com.

You can also **submit written comments**:

Via Email to: comments@mywaterplan.com

or Via Mail to:
Mojave Water Agency
Attn: Integrated Regional Water Management Plan Comments
13846 Conference Center Drive
Apple Valley, CA 92307

Contact us at:
By Email to comments@mywaterplan.com
By Phone at (760) 946-7000

Mojave Integrated Regional Water Management Plan-Public Workshop

BREAKOUT GROUPS DISCUSSION GUIDE AND COMMENT CARD

Wednesday, June 5, 2013 | 7: 00 p.m. – 9:00 p.m.
Barstow Senior Center
555 Melissa Avenue

AGENDA

Welcome and Sign-In 6:30 p.m.

I. Overview of the IRWM Plan 7:00 p.m.
- Where does our water come from?
- What is an IRWM Plan?
- Why is it important for the Mojave Region?
- How does it affect you and your community?
- How is the IRWM Plan being developed?
- How can you participate?

II. Questions and Answers 7:15 p.m.

III. Breakout Group Discussions 7:25 p.m.
- Needs
- Opportunities

IV. Report Back from Breakout Groups 8:15 p.m.
- Group Discussion Summary
- Key Findings

V. Conclusion 8:55 p.m.
- Next Steps

The purpose of today's meeting is to identify water resource related needs in your community and opportunities to address them. The facilitator for your group will lead the dialogue and begin the discussion.

Please use the form below to write down your comments and turn them in at the end of the workshop. In addition, your facilitator will use the flip chart to capture key points from your group's discussion, which will be shared with the entire group during the final part of today's workshop.

The Mojave IRWM Plan will address many different water resource related topics. These include:

- Water Supply and Conservation
- Water Quality
- Stormwater and Flood Management
- Costs of Water Resources
- Water Rights
- Natural Resource Management (habitat protection)
- Growth and Land Use
- Climate Change
- Others?

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Given these topics, which water-related issues are most important to you or your community?

The Mojave IRWM Plan will address many different water resource related topics. These include:

- Water Supply and Conservation
- Water Quality
- Stormwater and Flood Management
- Costs of Water Resources
- Water Rights
- Natural Resource Management (habitat protection)
- Growth and Land Use
- Climate Change
- Others?

Why are they important to you?

What are some opportunities, or ideas you may have, to address these issues?

What are some specific challengers or barriers that may get in the way?

I consider myself to be a part of the _____ community.

Thank you!

Preguntas Más Frecuentes

Plan de la Administración Integrada del Agua Regional de Mojave
Mojave Integrated Regional Water Management (IRWM) Plan

¿Qué es la Administración Integrada del Agua Regional?

La Administración del Agua Regional Integrada (IRWM) es un esfuerzo de colaboración para administrar todos los aspectos de los recursos hidrológicos de una región. La práctica de IRWM cruza los límites jurisdiccionales, las cuencas hidrográficas, y políticas; involucra a múltiples agencias y grupos, e intenta afrontar los problemas y las diferentes perspectivas de todas las entidades que participan a través de múltiples soluciones de beneficio.

¿Qué es el Plan IRWM de la Región de Mojave?

El Plan IRWM de la Región de Mojave creará una visión para los próximos 25 años o más de la administración del agua en la región de Mojave. Gracias al primer Plan IRWM de la Región de Mojave que fue preparado en el 2004, $170 millones en fondos locales, estatales y federales se han invertido en la infraestructura del agua y el suministro del agua en la región de Mojave durante los últimos diez años.

Una actualización del Plan de IRWM del 2004 ya está en marcha y será completado en el próximo año o en 18 meses. El proceso de la planificación de IRWM es un ciclo que comienza con la identificación de las necesidades de agua de la comunidad y termina con la financiación e implementación y ejecución de proyectos y programas.

¿Por qué es importante para mí el plan de IRWM de la Región de Mojave? ¿Por qué es que debo participar?

El agua es esencial para apoyar a nuestras comunidades. La provisión de agua fiable y de una calidad apropiada que apoye a nuestro estilo de vida, requiere un gran esfuerzo y las inversiones continuas. No podemos dejar pasar esta oportunidad.

El Plan IRWM de la Región de Mojave funciona según el principio de que cada inversionista sostiene una pieza a la solución de la administración del agua para la región. Las mejores soluciones requieren una buena comunicación y comprensión compartida de los retos y oportunidades regionales. Mientras más asociados y personas hay involucradas en el Plan IRWM, mayor será la posibilidad de obtener mejores soluciones de la administración del agua a largo plazo.

La actualización del Plan IRWM de la Región de Mojave, renovará la visión de cómo enfocar nuestros esfuerzos en la región para satisfacer nuestras necesidades a largo plazo, y para apoyar a comunidades prósperas y saludables. Esta actualización también reunirá cambios recientes en las normas estatales que determinan si nuestra región puede competir para fondos de la subvención del Estado. Este proceso de actualizar el Plan puede dar lugar a traer fondos de la subvención del Estado para ayudar a satisfacer las necesidades de agua de tu comunidad. Proyectos y programas potenciales

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de la administración del agua serán identificados a través de este proceso. Esta es una oportunidad para que usted participe en la reforma del futuro del agua para la Región de Mojave.

¿Quienes están involucrados en el Plan IRWM de la Región de Mojave?

El Plan IRWM de la Región de Mojave se está desarrollando con una amplia participación de los interesados. Este proceso está dirigido por cinco organizaciones que se han unido a través de un memorando de entendimiento para formar el Grupo Regional de Administración del Agua de Mojave (RWMG), que se encarga de la elaboración y aplicación del Plan IRWM:

- Mojave Water Agency (MWA)
- Victor Valley Wastewater Reclamation Authority (VVWRA)
- MWA Technical Advisory Committee (TAC)
- Mojave Desert Resource Conservation District
- Morongo Basin Pipeline Commission

El RWMG ha invitado a todas las partes interesadas a proporcionar información y ayudar a desarrollar el Plan IRWM de la Región de Mojave actualizado. Las partes interesadas que participan hasta este momento son 45, los proveedores municipales de agua, seis agencias municipales y del condado, siete agencias estatales y federales, y más de 25 grupos interesados de la comunidad.

¿Qué desafíos de la administración de los recursos hidrológicos tendrá que dirigir el Plan IRWM de la Región de Mojave?

El Plan IRWM de la Región de Mojave se ocupara de todos los aspectos de la administración del agua en la región, incluyendo, pero no limitado al suministro de agua, calidad del agua, aguas residuales, agua reciclada, la conservación del agua, agua pluviales/ administración de inundaciones de tormenta, la planificación de cuencas hidrográficas, cambio climático y la protección y restauración del hábitat.

¿Qué es una Comunidad en Desventaja (DAC)?

Es muy importante que el proceso del Plan IRWM identifique los recursos del agua relacionados con los problemas que se enfrentan las comunidades de la Región de Mojave que están en desventaja (DAC). Una comunidad en desventaja incluye cualquier comunidad que tiene un ingreso mediano anual por hogar que es inferior al 80 por ciento del ingreso mediano anual por hogar en todo el estado (o ingresos de menos de $48,706). La participación de DAC se considera esencial en este proceso ya que más de la mitad de la región se considera estar en desventaja.

¿Cómo puede usted participar o mantenerse informado?

Hay varias formas diferentes en que usted puede ayudar a desarrollar los proyectos y programas del agua. Usted puede asistir a uno de los siete talleres públicos que se estan llevando a cabo en junio del 2013, o una de las nueve reuniones del Grupo de Inversionistas que se llevarán a cabo en el proceso del desarrollo del Plan IRWM en los próximos 18 meses. Más información y horarios para estas reuniones se pueden encontraren el sitio de web del Plan IRWM de la Región de Mojave en www.mywaterplan.com. También puede aportar sus observaciones por escrito:

Vía correo electrónico a comments@mywaterplan.com

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13846 Conference Center Drive
Apple Valley, CA 92307

O póngase en contacto con nosotros:
Por correo electrónico a comments@mywaterplan.com
Por teléfono al (760) 946-7000

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Integrated Regional Water Management Plan

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Frequently Asked Questions

Mojave Integrated Regional Water Management (IRWM) Plan

What is Integrated Regional Water Management?

Integrated Regional Water Management (IRWM) is a collaborative effort to manage all aspects of water resources in a region. The practice of IRWM crosses jurisdictional, watershed, and political boundaries; involves multiple agencies, and groups; and attempts to address the issues and differing perspectives of all the entities involved through multiple beneficial solutions.

What is the Mojave Region IRWM Plan?

The Mojave Region IRWM Plan will set a vision for the next 25-plus years of water management in the Mojave Region. Thanks to the first Mojave Region IRWM Plan completed in 2004, over the last ten years $170 million in local, state and federal dollars have been invested in water infrastructure and water supplies in the Mojave Region.

An update to the 2004 IRWM Plan is now underway and will be completed in the next year to eighteen months. The IRWM planning process is a cycle that starts with identifying the community's water needs and finishes with financing and implementing projects and programs.

Why is the Mojave Region IRWM Plan important to me? Why should I participate?

Water is critical to support our communities. Providing safe and reliable water of appropriate quality to support our way of life requires tremendous effort and continuing investments. We cannot take this for granted.

The Mojave IRWM Plan operates on the principle that each stakeholder holds a piece of the water management solution for their region and that the best solutions require good communication and shared understanding of regional challenges and opportunities. The more partners and people involved in the IRWM Plan, the higher the potential for better long-term water management solutions.

The update of the Mojave Region IRWM Plan will renew the vision of how to focus our efforts in the Region to meet our long term needs to support thriving and healthy communities. This update will also meet recent changes to state guidelines that determine whether our Region can compete for potential grant funds from the State. This process to update the Plan may result in bringing State grant funds to help meet your community's water needs. Potential water management projects and programs will be identified through this process. This is an opportunity for you to participate in shaping the water future for the Mojave Region.

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Who is involved in the Mojave Region IRWM Plan?

The Mojave IRWM Plan is being developed with broad stakeholder input. This process is being led by five agencies that have joined together through a memorandum of understanding to form the Mojave Regional Water Management Group (RWMG), which is charged with developing and implementing the IRWM Plan:

- Mojave Water Agency (MWA)
- Victor Valley Wastewater Reclamation Authority (VVWRA)
- MWA Technical Advisory Committee (TAC)
- Mojave Desert Resource Conservation District
- Morongo Basin Pipeline Commission

The RWMG has invited all interested stakeholders to provide input and help develop the updated Mojave IRWM Plan. Stakeholders involved so far include 45 municipal water purveyors, six municipal and county agencies, seven state and federal agencies, and over 25 community interest groups.

What water resource management challenges will the Mojave Region IRWM Plan address?

The Mojave Region IRWM Plan will address all aspects of water management in the Region, including, but not limited to water supply, water quality, wastewater, recycled water, water conservation, storm water/flood management, watershed planning, climate change and habitat protection and restoration.

What is meant by a Disadvantaged Community (DACs)?

It is critically important that the IRWM Plan process identify the water resources-related problems that are being faced by disadvantaged communities (DACs) in the Mojave Region. A disadvantaged community includes any community which has an annual median household income that is less than 80 percent of the statewide annual median household income (or incomes less than $48,706). Participation of DACs is considered essential as more than half of the Region qualifies as disadvantaged.

How can you get involved or stay informed?

There are a number of different ways you can help develop water projects and programs. You can **attend one of the seven public workshops** that are taking place in June 2013, or one of the nine Stakeholder Group meetings that are taking place over the 18-month IRWM Plan development process. Additional information and schedules for these meetings can be found on the Mojave IRWM Plan website www.mywaterplan.com.

You can also **submit written comments**:

Via Email to: comments@mywaterplan.com

or Via Mail to:
Mojave Water Agency
Attn: Integrated Regional Water Management Plan Comments
13846 Conference Center Drive
Apple Valley, CA 92307

Contact us at:
By Email to comments@mywaterplan.com
By Phone at (760) 946-7000

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Appendix A.8

Native American Tribes Outreach

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760.946.7000 | comments@mywaterplan.com
www.mywaterplan.com

Mojave Water Agency | RESOURCE | TECHNICAL ADVISORY COMMITTEE TO THE MOJAVE WATER AGENCY | VVWRA | Morongo Basin Pipeline Commission

May 30, 2013

Subject: Update to the Mojave Integrated Regional Water Management Plan and Development of a Salt/Nutrient Management Plan

Dear Sir/Madam:

On behalf of the Regional Water Management Group (RWMG), I would like to invite you to participate in the update of the 2004 Mojave Integrated Regional Water Management (IRWM) Plan and development of a Salt/Nutrient Management Plan. The RWMG is comprised of the Morongo Basin Pipeline Commission, Victor Valley Water Reclamation Authority, Technical Advisory Committee to the Mojave Water Agency, Mojave Desert Resource Conservation District, and Mojave Water Agency. The development of the Mojave IRWM Plan serves as a blueprint to manage water resources in our region for the next decade. A number of public meetings are scheduled in June, as well as opportunities to participate in Technical Advisory Committee meetings (listed below).

The last effort, driven by stakeholder involvement, yielded $170 million in local, state, and federal funding that has been invested in water infrastructure and water supplies. Projects included the construction of pipelines and ground recharge sites, investment in new water supplies, development of a successful water conservation program, and removal of invasive species in the Mojave River. Areas of focus for this update to the IRWM Plan will include, among other things:

- Water supply and demand
- Water quality
- Flood management
- Water use efficiency
- Climate change impacts
- Water shortage and drought contingency planning
- Wastewater/recycled water
- Identification and prioritization of water management projects
- Salt/Nutrient Management Planning
- Water supply for disadvantaged communities

Currently, we are assessing the region's water needs and exploring potential projects and programs. **The next Technical Advisory Committee meeting is June 6 at 9:30 a.m.** at the Mojave Water Agency, 13846 Conference Center Drive, Apple Valley. Additionally, seven

public outreach meetings, including meetings in Disadvantaged Communities, are scheduled. The public meeting schedule is as follows:

Lucerne Valley
June 4 @ 5:00 p.m.
Lucerne Valley Senior Center
1043 Allen Way (behind library)

Barstow
June 5 @ 7:00 p.m.
Barstow Senior Center
555 Melissa Ave.

Victorville
June 6 @ 6:30 p.m.
Victorville City Hall, Conf. Rm. D
14343 Civic Dr.

Newberry Springs
June 8 @ 1:00 p.m.
Newberry Springs Comm. Center
30884 Newberry Rd.

Yucca Valley
June 12 @ 6:30 p.m.
Yucca Valley Senior Center
57090 Twentynine Palms Hwy.

Piñon Hills
June10 @ 6:30 p.m.
Piñon Hills Community Center
10433 Mountain Ave.

Helendale
June 11 @ 6:30 p.m.
Helendale CSD
26540 Vista Rd., Ste. C

Key to the success of the plan is early participation by the region's stakeholders in the planning process. I look forward to your participation. For more information, visit our website at www.mywaterplan.com, or should you have any questions or concerns you can contact me at 760.946.7000.

Sincerely,

Lance Eckhart
Project Manager, RWMG

Easy Peel® Labels
Use Avery® Template 5160®

Feed Paper

Bend along line to expose Pop-up Edge™

AVERY® 5160®

CURT MITCHELL
CITY OF BARSTOW
220 EAST MOUNTAIN VIEW ST
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STEVEN SCHINDLER
BIG BEAR ARWWA
121 PALOMINO DR
BIG BEAR CA 92314

JAMES HART
CITY OF ADELANTO
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ADELANTO CA 92301

JON SPONSLER
CITY OF ADELANTO
P O BOX 10
ADELANTO CA 92301

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CRESTLINE SANITATION DISTRICT
24516 LAKE DR
CRESTLINE CA 92325

WASTEWATER MANAGER
LAKE ARROWHEAD CSD
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LAKE ARROWHEAD CA 92352

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VVWRA
15776 MAIN ST STE 3
HESPERIA CA 92345

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SAN DIEGO CA 92132

DIANE SILVA
SOUTHWEST DIV NAVAL FACILITIES
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SAN DIEGO CA 92132-5181

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COPPER MOUNTAIN COLLEGE
6162 ROTARY WAY
JOSHUA TREE CA 92252

BILL STUDT
BARSTOW COMMUNITY COLLEGE
2700 BARSTOW RD
BARSTOW CA 92311

BOARD PRESIDENT LORI DENSON
VICTOR VALLEY COLLEGE
18422 BEAR VALLEY RD
VICTORVILLE CA 92395

STEVE SWIFT
GENON ENERGY
P O BOX 337
DAGGETT CA 92327

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HARPER LAKE COMPANY VIII
43880 HARPER LAKE RD
HINKLEY CA 92347

TOMAS D MORALES
CA STATE UNIV SAN BERNARDINO
5500 UNIVERSITY PKWY
SAN BERNARDINO CA 92407

RAYMOND WOLFE
SANBAG
1170 W 3RD ST 2ND FL
SAN BERNARDINO CA 92410-1715

STEVE ASHTON
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VICTORVILLE CA 92392

JIM BUSTAMANTE
MARINE CORPS LOGISTICS BASE
ENVIRONMENTAL DIV BLDG 196
BARSTOW CA 92311-5050

ROBERTO FIMBRES
NEXTERA ENERGY RESOURCES
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HINKLEY CA 92347

SUNANDA BEHARA
NEXTERA ENERGY RESOURCES
19000 PERIMETER RD
VICTORVILLE CA 92394

ATTN OPERATIONS MANAGER
HIGH DESERT POWER PROJECT
19000 PERIMETER RD
VICTORVILLE CA 92394

29 PALMS BAND OF MISSION INDIANS
46-200 HARRISON ST
COACHELLA CA 9236

SAN MANUEL BAND OF SERRANO
MISSION INDIANS
26569 COMMUNITY CENTER DR
HIGHLAND CA 92346

KIMBERLY COX
HELENDALE CSD
P O BOX 2824
HELENDALE CA 92342

MICHAEL BEVINS
CITY OF CALIFORNIA CITY
21000 HACIENDA BLVD
CALIFORNIA CITY CA 93505

MARK DREW
INYO-MONO
PO BOX 3442
MAMMOTH LAKES CA 93546

HECTOR BORDAS
LA COUNTY FLOOD CONTROL DIST
900 S FREMONT AVE
ALHAMBRA CA 91803

PATTI REYES
COACHELLA VALLEY WATER DISTRICT
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COACHELLA CA 92236

SUPERVISOR ROBERT LOVINGOOD
COUNTY GOVERNMENT CENTER
385 N ARROWHEAD AVE 5TH FL
SAN BERNARDINO CA 92415-0110

SUPERVISOR JAMES RAMOS
COUNTY GOVERNMENT CENTER
385 N ARROWHEAD AVE 5TH FL
SAN BERNARDINO CA 92415-0110

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Barstow Chamber	bacc@barstowchamber.com
Bruce Fessier (The Desert Sun)	bruce.fessier@thedesertsun.com
CA Community College League of CA Magazine	sdemelo@ccleague.org
City of Adelanto	bcordero@ci.adelanto.ca.us
Community College Times Magazine	cctimes@aacc.nche.edu
Copper Mountain Broadcasting	coppermountainbroadcasting@yahoo.com
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The Desert Trail	news@deserttrail.com
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Victorville Chamber	mspears@vvchamber.com
Yermo CSD	yermocsd1@verizon.net
Yucca Valley Chamber	chamber@yuccavalley.org

CALIFORNIA TRIBAL LANDS
Tribal Lands
County Boundary
Sources: U.S. Census Bureau (2011), ESRI (2006), TANA (2006).
AIR1100040_3 16 May 2011
EPA REGION 9 - AIR
0 25 50 100 Miles
N
S
E
W
CALIFORNIA
Smith River
Elk Valley
Big Lagoon
Trinidad
Yurok
Hoopa
Blue Lake
Table Bluff
Rohnerville
Karuk
Quartz Valley
Karuk
XL Ranch
Fort Bidwell
Cedarville
Alturas
Lookout
Likely
Big Bend
Roaring Creek
Montgomery Creek
Pit River
Redding Rancheria
Susanville
Round Valley
Laytonville
Sherwood Valley
Paskenta
Greenville
Susanville
Chico Rancheria
Grindstone
Berry Creek
Coyote Valley
Redwood Valley
Pinoleville
Upper Lake
Colusa
Enterprise
Mooretown
Manchester
Robinson
Guidiville
Cortina
Hopland
Sulphur Bank
Auburn Rancheria
Stewarts Point
Rumsey
Cloverdale
Big Valley
Dry Creek
Middletown
Graton
Shingle Springs
Ione Band
Jackson
Wade Parcels
Washoe (Woodfords Community)
Sheep Ranch
Bridgeport
Me-Wuk
Lytton
Tuolumne
Chicken Ranch
Benton Paiute
Bishop
North Fork
Picayune
Big Sandy
Big Pine
Table Mountain
Cold Springs
Fort Independence
Lone Pine
Timbisha Homelands
Santa Rosa
Tule River
Santa Ynez
Fort Mojave
Chemehuevi
San Manuel
Morongo
Twenty-Nine Palms
Soboba
Agua Caliente
Santa Rosa
Cabazon
Ramona
Augustine
Cahuilla
Cabazon
Pechanga
Pala
Torres-Martinez
Pauma-Yuima
Los Coyotes
San Pasqual
Santa Ysabel
Mesa Grande
Inaja-Cosmit
Barona
Capitan Grande
Viejas
Cuyapaipe
Sycuan
Manzanita
Jamul Indian Village
La Posta
Campo
Quechan
Colorado River
DEL NORTE COUNTY
SISKIYOU COUNTY
MODOC COUNTY
HUMBOLDT COUNTY
TRINITY COUNTY
SHASTA COUNTY
LASSEN COUNTY
TEHAMA COUNTY
PLUMAS COUNTY
MENDOCINO COUNTY
GLENN COUNTY
BUTTE
SIERRA COUNTY
COLUSA
YUBA
NEVADA
LAKE
PLACER
SUTTER
YOLO
EL DORADO
SONOMA
SACRAMENTO
ALPINE COUNTY
NAPA
AMADOR
SOLANO COUNTY
MARIN COUNTY
CALAVERAS
TUOLUMNE COUNTY
CONTRA COSTA
SAN JOAQUIN COUNTY
SAN FRANCISCO COUNTY
ALAMEDA COUNTY
STANISLAUS COUNTY
MONO COUNTY
MARIPOSA COUNTY
SAN MATEO COUNTY
SANTA CLARA COUNTY
SANTA CRUZ COUNTY
MERCED COUNTY
MADERA COUNTY
FRESNO COUNTY
INYO COUNTY
SAN BENITO COUNTY
MONTEREY COUNTY
TULARE COUNTY
KINGS COUNTY
SAN LUIS OBISPO COUNTY
KERN COUNTY
SANTA BARBARA COUNTY
VENTURA COUNTY
LOS ANGELES COUNTY
SAN BERNARDINO COUNTY
ORANGE COUNTY
RIVERSIDE COUNTY
SAN DIEGO COUNTY
IMPERIAL COUNTY

Mojave Water Agency

13846 Conference Center Drive ◆ Apple Valley, California 92307
Phone (760) 946-7000 ◆ Fax (760) 240-2642 ◆ www.mojavewater.org

April 21, 2014

Clifford Bratten, Environmental Manger
C/O San Manuel Band of Serrano Mission Indians
101 Purewater Lane
Highland, CA 92346

RE: The Mojave Integrated Regional Water Management Plan

Dear Mr. Bratten:

This letter is a follow up to our conservation on April 18, 2014 regarding the Mojave Integrated Regional Water Management Plan (IRWMP) and possible participation of the San Manuel Band of Serrano Mission Indians.

As we discussed, the region's stakeholders and community members have been meeting to develop long-term solutions to ensure a sustainable water supply for the Mojave Desert Region. Among the plan's objectives is natural resource management and there may be some opportunities for a collaborative project. Additionally, one new program already developed during the course of the planning process is assistance for small water systems. This program may also be of interest to you. Information regarding the IRWMP can be found at www.mywaterplan.com.

I recognize the tribal land is not within the Mojave planning boundaries, however I understand the Band's ancestral land encompasses the entire county. Recently, the boundaries for the Mojave Integrated Regional Management plan have expanded and now include the Twentynine Palms area and the San Bernardino Mountain communities.

I appreciate the time you took to discuss this matter, and look forward to speaking to you again. The next Mojave Integrated Regional Water Management Plan meeting is a Technical Advisory Committee meeting on May 19th at 9:30 a.m. at the Mojave Water Agency offices located at 13846 Conference Center Drive in Apple Valley.

Should you have any questions, please give me a call at 760.946.7015.

Sincerely,

Lance Eckhart
Principal Geologist
Mojave Water Agency

Mojave Water Agency

13846 Conference Center Drive ♦ Apple Valley, California 92307
Phone (760) 946-7000 ♦ Fax (760) 240-2642 ♦ www.mojavewater.org

May 28, 2014

Jake Britton, Facilities Director
C/O Twenty-Nine Palms Band of Mission Indians
46-200 Harrison Place
Coachella, CA 92240

RE: The Mojave Integrated Regional Water Management Plan

Dear Mr. Britton:

The Mojave Water Agency is a state water contractor responsible to ensure water sustainability across a 4,900 square mile area of the Mojave Desert region. Recently, the Agency has been in the process of updating its Integrated Regional Water Management Plan and the planning boundaries have been extended to the community of Twentynine Palms.

The region's stakeholders and community members have been meeting to develop long-term solutions to ensure a sustainable water supply for the Mojave Desert Region. Among the plan's objectives is natural resource management and there may be some opportunities for a collaborative project. Additionally, one new program already developed during the course of the planning process is assistance for small water systems. This program may also be of interest to you. Information regarding the IRWMP can be found at www.mywaterplan.com.

Please accept an invitation to attend the next IRWM Plan Technical Advisory Committee meeting on June 23rd at 9:30 a.m. at the Mojave Water Agency offices located at 13846 Conference Center Drive in Apple Valley.

Should you have any questions, please give me a call at 760.946.7015.

Sincerely,

Lance Eckhart
Principal Geologist
Mojave Water Agency

Appendix A.9

Topics for Engagement

Topics for Engagement

In order to keep the Plan update process focused and productive, a set of Topics for Engagement were identified at the beginning of the IRWM Plan development process to focus on and interact around throughout the planning process.

Topic 1: Team Charter

We believe that one of the most important factors for success of this project has been to establish and maintain effective working relationships among members of the Mojave IRWM Plan and SNMP Project Team. The Project Team includes participants from the Coordinating Committee, staff from members of the RWMG, volunteers from the Region, and the technical, public outreach, and facilitation consultants.

Therefore, early in the Plan development process, a Project Team charter was developed and adopted that defines how team members will work together throughout the process, as well as individual member roles. The chartering process included draft goals intended to be accomplished during the planning process (these differ from the IRWM Plan objectives that will set the target for Plan performance to be developed later in the process). This charter is located in Appendix A.

Topic 2: Plan Update Process (*Governance, Stakeholder Involvement, Coordination*)

This topic was intended to:

- Describe our intended process to update the IRWM Plan
- Highlight planned engagement opportunities and target audiences
- Invite participation in the Plan development, including disadvantaged communities (DACs) and California Native American Tribes
- Assess the level of interest in participating in various parts of the Plan update process
- Solicit feedback regarding our intended approach from potentially interested stakeholders
- Refine intended approach as needed based on feedback received

Topic 3: Plan Scope (*Objectives, Technical Analyses*)

This topic was intended to:

- Describe the intended content of the IRWM Plan
- Adopt a planning horizon (minimum of 20 years)
- Develop initial IRWM Plan objectives (and discuss whether we intend to prioritize Plan objectives)

- Discuss intent or need for AB 3030 and other relevant compliance

Topic 4: Current Conditions (*Region Description, Resource Management Strategies, Relation to Local Water Planning, Relation to Local Land Use Planning, Coordination*)

This topic was intended to:

- Refine Region description
- Consider existing IRWM Region boundary and potential boundary expansion
- Inventory existing plans and studies that may be useful to inform the current conditions description
- Describe current conditions in terms of demographics, agency boundaries and roles, land use, water supply, water demands, water quality, habitat of special concern, flood management, etc.
- Identify the topics, locations, and agencies where integration and collaboration appear to be most useful

Topic 5: Future Conditions (*Objectives, Resource Management Strategies, Technical Analyses, Relation to Local Water Planning, Relation to Local Land Use Planning, Coordination*)

This topic was intended to:

- Inventory existing plans and studies that may be useful to inform the development of the future conditions description
- Describe future conditions (according to the adopted planning horizon) in terms of demographics, agency boundaries and roles, land use, water supply, water demands, water quality, habitat of special concern, flood management, etc.
- Develop other helpful interaction diagrams for Areas for topics such as flood threats, habitat connectivity, potential invasive species migration, etc.
- Identify the topics, locations, and agencies where ongoing integration and collaboration may be most useful
- Identify how to characterize potential effects of climate change

Topic 6: Challenges and Opportunities (*Objectives, Impacts and Benefits, Integration*)

This topic was intended to identify challenges and opportunities throughout the Region that fit within the intended scope of the IRWM Plan. We plan to explore these challenges and opportunities from various perspectives including:

- Current
- Future

- Area
- Disadvantaged Communities
- California Native American Tribes
- Delta-specific

We will refine IRWM Plan objectives as part of this topic.

Topic 7: Potential Projects (*Objectives, Resource Management Strategies, Impacts and Benefits, Integration, Climate Change, Stakeholder Involvement*)

This topic was intended to:

- Describe desired types of project proposals to be considered for inclusion in the Plan
- Introduce a template for required project information
- Issue a call for projects that could meet one or more IRWM Plan objectives
- Develop a potential project summary list

Topic 8: Integration (*Objectives, Resource Management Strategies, Impacts and Benefits, Integration, Climate Change, Stakeholder Involvement, Coordination*)

This topic was intended to:

- Characterize potential projects as they relate to DWR's resource management strategies
- Evaluate whether the suite of potential projects address all of the IRWM Plan objectives
- Conduct brainstorming sessions and assess ways to identify potential new projects or ways to further integrate previously identified potential projects

Topic 9: Benefits and Impacts (*Objectives, Impacts and Benefits, Integration, Climate Change, Technical Analyses, Stakeholder Involvement*)

This topic was intended to:

- Define the key performance metrics to be used for project evaluation
- Characterize potential benefits according to IRWM Plan objectives (using best available information)
- Characterize potential negative impacts (using best available information) and identify strategies to avoid or mitigate them

Topic 10: Project Selection and Priority (*Project Review Process, Objectives, Resource Management Strategies, Impacts and*

Benefits, Integration, Technical Analyses, Climate Change, Stakeholder Involvement)

This topic was intended to:

- Establish a process to screen and prioritize projects for inclusion in the IRWM Plan
- Implement screening and prioritization of projects for inclusion in the IRWM Plan

Topic 11: Plan Recommendations (*Objectives, Resource Management Strategies, Impacts and Benefits, Integration, Climate Change, Data Management*)

This topic was intended to develop recommendations for action to occur upon adoption of the IRWM Plan. This will include recommended actions related to the prioritized projects and other related actions such as data gathering, further analysis, etc.

Topic 12: Governance (*Governance, Coordination)*

This topic was intended to:

- Describe current governance that was used to guide Plan development
- Develop a method for updating project list and prioritization after the IRWM Plan is adopted
- Make recommendations (as needed) for adjusting governance to manage Plan implementation and updating

Topic 13: Financing (*Finance, Coordination*)

This topic was intended to:

- Estimate required funding to implement the recommended actions
- Identify potential funding sources to implement the recommended actions
- Make recommendations for securing additional funding as needed

Topic 14: Plan Performance and Monitoring (*Plan Performance and Monitoring*, *Data Management*)

This topic was intended to:

- Identify specific measures of success for the updated IRWM Plan
- Establish roles and responsibilities for monitoring of progress based on Plan actions
- Discuss approach for long-term data management
- Define a strategy for periodic reporting on Plan performance

Appendix A.10

Public Comments (List of Commenters) to the Draft IRWM Plan

List of Commenters that Provided Public Comments to the Draft Mojave IRWM Plan

- Lance Eckhart, Anna Garcia, Tim Gobler, Brian Hammer, Tony Winkel (Mojave Water Agency)
- Chuck Bell (Mojave Desert Resource Conservation District)
- Ellen and Jim Johnson (Private Resident)
- George Cardenas (Phelan Piñon Hills Community Services District)
- Harold Zamora (San Bernardino County Flood Control District)
- Jeanette Hayhurst (Barstow)
- Marina West (Bighorn Desert View Water District)
- Mark Veysey (Lake Arrowhead Community Services District)
- Michael Riddell, on behalf of Crestline Lake Arrowhead Water Agency (CLAWA).
- Mike Plaziak (Lahontan Region - RWQCB)
- Robert McVicker (Golden State Water Company)
- Tamara Alaniz (Twentynine Palms Water District)