

AV IRWMP Twelfth Stakeholder Meeting

Wednesday, November 20, 2013

Minutes taken by: Brenda Ponton

The Twelfth Antelope Valley Integrated Regional Water Management Plan (IRWMP) 2007 Update Stakeholder Meeting was held from 10-11 am on November 20, 2013, at the City of Palmdale Larry Chimbole Cultural Center – Lilac Room.

1. Welcome and Introductions

- a. The meeting was opened and led by Brian Dietrick (RMC) and called to order at 10:05 am
- b. An electronic copy of the PowerPoint presentation and sign-in sheet is attached

2. Prop. 84 Grant Update

- a. A response letter to DWR regarding their scoring of Boron CSD's Arsenic Management Feasibility Study & Well Design application was submitted last month. Final recommendations for Prop. 84, Round 2 grant awards are expected in mid-December 2013.
- b. Prop 84, Round 3 Implementation Grants guidelines are expected to be released late Aug./Sept. 2014 with applications due Jan./Feb. 2015

3. AV IRWMP Draft Discussion

a. Recycled Water Supply/Demand

- LACSD provided written comments on quantities for existing recycled water contracts and contracts under negotiation; it was agreed to incorporate these numbers into the final Plan for information purposes
- EAFB stated that the demand estimates for Piute Ponds numbers may be inaccurate; EAFB and LACSD agreed to resolve the numbers and send RMC the corrections for recycled water use at Piute Ponds during the comment period

b. Regional Water Supply/Demand Projections

- The water supply and demand mismatch calculated for the Region in 2013 is significantly smaller than the estimate in the 2007 AV IRWMP. This is primarily due to a decrease in projected population, a decrease in per capita water use, and an increase in availability of some water supplies
- An average year shows a small surplus of water. If captured, this water could be used to for banking, recharge, or to improve surface flows for downstream uses
- It was verified by PWD that the 4,000 AFY of surface water diversions does not include the Littlerock Creek Sediment Removal Project or any other supply improvement projects at the Reservoir.
- Single-dry and multi-dry years are still projected to have a mismatch between supply and demand and will require water banking, groundwater recharge,

recycled water projects, or surface water improvement projects to meet projected demands.

- The source and accuracy of the lower population projections that affect projected water demands was discussed:
 - Population projections were based on 2010 SCAG projections which are based growth patterns and economics (updated from previous 2007 SCAG projections).
 - It was asked if SCAG provides confidence intervals on projections. RMC will look into this question and provide more information in the final Plan.

c. Section 6: Project Evaluation and Objectives Assessment

- While several targets can be met through the proposed projects, some objectives will require additional projects to meet their planning targets. For example:
 - More recycled water projects are needed to meet the water quality objective of 100% reuse by 2035
 - More flood management implementation projects are needed
 - More projects that preserve farmland are needed to meet the agricultural land use target of 100,000 acres in circulation

d. Section 8: Framework for Implementation

- The Section assumed the Region will continue with its current governance structure (MOU), but the option for a Joint Powers Authority (JPA) will also remain as a potential future structure.
- Implementation issues addressed in this section include: (1) Regional Water Management Group (RWMG) financing for advertisements and/or consultant support, (2) updates on the IRWMP website, and (3) implementation of the Plan after the 2013 Update is complete.
- RMC will create an action item list for the A-Team to help move the Plan forward and monitor performance

e. Prioritization Scoring

- After making some final scoring changes, the High/Medium terminology was removed from the draft Plan and the numerical scores were reported instead

f. Total Sustainable Yield (TSY) Discussion

- The TSY language from the draft Plan was reviewed for stakeholder consensus
- Wanda Deal (EAFB) stated that EAFB has no comment on the adjudication number of 110,000 AFY for TSY and would like to document this position in the IRWMP. Concerns were raised about the impact of this precedent on the stakeholder process. It was agreed that an official comment from EAFB on the Draft IRWMP would suffice to document their position and that this option was available to other stakeholders as well. All comments on the Draft IRWMP, as well as the responses, will be included as an appendix in the Final IRWMP.

- Wanda also stated that the plan focuses too much on water banking and recharge and not enough on the downstream beneficial uses of surface flow, though the plan is moving in a better direction than previous years and has some language dedicated to these benefits.
- The stakeholder group agreed that some wording should be adjusted to clarify that the IRWMP will be updated only if the TSY value is revisited by “the Court”
- It was agreed that a single footnote in this section should be added to reiterate that the group is using the 110,000 AFY for planning purposes only and that the IRWMP is not intended to influence the TSY numbers being developed as part of the adjudication process.

4. Next Steps

- a. Final Flood Management Tech Memo will be completed in the next two weeks
- b. Draft AV IRWM Plan comment period ends Wednesday, December 11th
- c. Comment form is available at www.avwaterplan.org.
- d. Final AV IRWM Plan complete December 31st
- e. Project selection for Prop. 84, Round 3 should begin in 2014
- f. A-Team will facilitate IRWM program beginning 2014

5. Meeting was adjourned at 11:10 am

ACTION ITEMS:

1. RMC to create an Action Item list for the A-Team that summarizes tasks that are needed to implement the 2013 IRWMP Update
2. RMC to add a footnote and adjust the language in the TSY section of the Plan as discussed above
3. RMC to send LACWD the adjudication footnote language for incorporation into the Salt and Nutrient Management Plan
4. RMC to investigate the SCAG population projections and potentially add additional language to further clarify the lower population projections
5. EAFB and LACSD to resolve recycled water numbers for Piute Ponds and email RMC with the corrections during the Draft IRWMP review period using the comment form


AGENDA
IRWMP STAKEHOLDER MEETING
Wednesday, November 20, 2013
City of Palmdale – Larry Chimbole Cultural Center
38350 Sierra Highway
10:00 – 11:00 a.m.

- 1) Welcome and Self-Introductions (5 min)
- 2) Grant Updates (5 min)
- 3) AV IRWMP Draft Discussion Topics (45 min)
 - Total Sustainable Yield Language
 - Recycled Water Supply/Demand
 - Regional Supply/Demand Graphs
 - Section 6: Project Integration and Objectives Assessment
 - Section 8: Framework for Implementation
- 6) Next Steps (5 min)

Adjourn

Note: this meeting will be followed by a Salt/Nutrient Management Meeting from 11-12 pm

**Antelope Valley Integrated Regional Water Management Plan
Stakeholders
11/20/2013**

Last Name	First Name	Title	Organization	Address	City	State	Zip	Phone	Fax	E-Mail	Signature
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Argo	Johnny		LA Co. Sans Districts/Director Assoc. of Rural Town Councils					661-433-5888		jargo@lacsds.org	
Argo	Wayne	President	Antelope Valley Town Councils					661-257-4841 X6907		wayneargo@hughes.net	
Ariki	Adam	Assistant Deputy Director	Los Angeles County Waterworks Districts	900 S. Fremont Ave.	Alhambra	CA	91803	626-300-3302	626-300-3385	aariki@dpw.lacounty.gov	
Armstrong	Scott	Vice President	Paleo Solutions	911 S. Primrose Ave, Unit J	Monrovia	CA	91016	949-813-1240	949-813-1240	scott@paleosolutions.com	
Baker	Jess	Manager	White Fence Farms #3	PO Box 3411	Quartz Hill	CA	93586	816-1741	943-2127		
Barnes	Tom	Resources Manager	AVEK	6500 W. Avenue	Palmdale	CA	93550	661-943-3201	661-943-3204	tbarnes@avek.org	
Beeby	Robert		SAIC					805-564-6139		beebyr@saic.com	
Bergquist	Sutida	District Engineer	CDHS	1449 W. Temple St.	Los Angeles	CA	90026	213-580-3126		sbergqui@dhs.ca.gov	
Berglund	Travis	Assit. GM	LCID	53141 87th Street East	Little Rock	CA	53453	661-944-2015	661-944-3668	tberglund@LRCID.com	
Bevins	Michael	PW Director	City of California City		California City	CA	93505	760-596-2861		pwdir@californiacity.com	
Blank	Laura		Edwards AFB							laura.blank@edwards.af.mil	
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Brown	Marta Golding	Antelope Valley Director	BIA LAV	44903 10th Street West	Lancaster	CA	93534	661-949-6857	661-949-6090	mgbrown@bialav.org	
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Last Name	First Name	Title	Organization	Address	City	State	Zip	Phone	Fax	E-Mail	Signature
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Dadey	Natalie		Boron CSD					760-762-6127		boroncsd@yahoo.com	
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DuBois	Jamie	Operations	Rosamond Community Services District	3179 35th St W	Rosamond	CA	93560	256-6789			
Dyas	Keith	Director	AVEK					256-4512		keith.dyas77@gmail.com	
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Last Name	First Name	Title	Organization	Address	City	State	Zip	Phone	Fax	E-Mail	Signature
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Malikowski	Yvonne	Historian	Lake Los Angeles Park Asso.	P.O. Box 500088	Lake LA	CA	93591	661-264-0542		yvonne@avgenealogy.org	<i>Yvonne Malikowski</i>

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Matthias	Colleen	Secretary II	City of Lancaster	615 W Ave H	Lancaster	CA	93534	661-723-5888		cmatthias@cityoflanaster.org	
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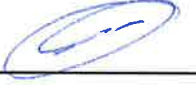


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Reed	Wendy	Director	Antelope Valley Conservancy	PO Box 3133	Quartz Hill	CA	93586	661-943-9000		avconservancy@yahoo.com	
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Rizzo	David	Director	AVEK	P.O. Box 893	Lancaster	CA	93584	661-305-7658	661-946-8253	daverizzo@gmail.com	
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Rozman	Marc	Civil Engineer	GEI Consultants		Glendale	CA		818-244-0117		mrozman@geiconsultants.com	
Rydman	Dave	Civil Engineer	Carollo Engineers					626-535-0180		drydman@carollo.com	
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Tseng	Iwen	Sr. CEA	Los Angeles County Waterworks Districts	900 S. Fremont Ave.	Alhambra	CA	91803	626-300-4688	626-300-3385	itseng@dpw.lacounty.gov	
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Ukkestad	John	President	White Fence Farms Mutual Water Co.; AV United Water Purveyors	41901 20th St. West	Palmdale	CA	93551	661-272-0015; 661-943-3316	661-943-3576; 805-943-3316	wff@qnet.com	
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Wells	Dick	Director	PWD		Palmdale	CA	93582	661-285-9355		dwells@palmdalewater.org	
Werner	Andrew		WDS	5700 Wilshire Blvd., Suite 330	Los Angeles	CA	90035	323-244-5756	323-930-9114	andrewwerner@westerndev.com	
Wildermuth	Mark									mwildermuth@wildermuthenvironmental.com	
Wise	Cindy	Staff Environmental Scientist	Lahontan Regional Water Quality Control Board	2501 Lake Tahoe Blvd.	South Lake Tahoe	CA	96150	530-542-5408	530-544-2271	cwise@waterboards.ca.gov	
Withrow	Nancy	Soil Cons. Student	NRCS		Lancaster	CA		945-2604			
Wong	Jennifer	Water Resources Engineer	CA Dept of Water Resources	770 Fairmont Ave Suite 102	Glendale	CA	91203	818-500-1645 x262	818-543-4604	jenwong@water.ca.gov	
Wood	Greg		Rosamond Community Services District					661-256-3411		gwood@lacs.org	
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Zimmerman	Jan	Geologist	Lahontan Regional Water Quality Control Board					760-241-7376		zimmerman@waterboards.ca.gov	
JENKINS	RHYS										
Gillette	Daniel										
Fowler	Virginia	M&T	LACFD							vmfowler@dpw.lacounty.gov	
SMITH	BRACH		RCSD								



Antelope Valley
Integrated Regional Water Management Plan
2007 Update

Twelfth Stakeholder Meeting

Presenter:
Brian Dietrick, P.E.

RMC Innovative Solutions for
Water and the Environment

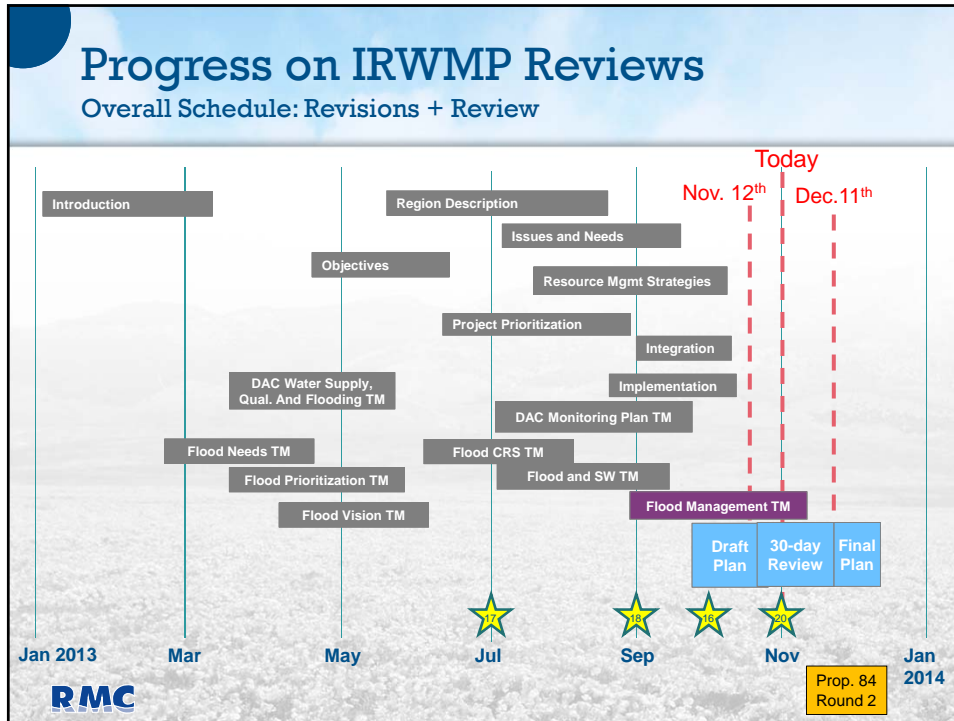
November 20, 2013



Agenda

- Welcome and Introductions
- Grant Updates
- AV IRWMP Draft Discussion
 - Recycled Water Supply/Demand
 - Regional Supply/Demand Graphs
 - Project Prioritization Scoring
 - Section 6: Project Integration and Objectives Assessment
 - Section 8: Framework for Implementation
 - **Total Sustainable Yield Language**
- Next Steps

RMC



Proposition 84 Grant Update

- Final Round 2 awards expected in December 2013
 - Boron CSD sent comment letter October 11th in response to draft awards
- Round 3 applications expected FY 2014-15
 - Recommend starting project selection early 2014

BORON COMMUNITY SERVICES DISTRICT

27167 Carmichael Street, P.O. Box 1060, Boron, California 93306
Telephone: (760) 762-6127 Fax: (760) 762-6008

October 11, 2013

California Department of Water Resources
Division of Integrated Regional Water Management
Francisco Assistance Branch
Post Office Box 642850
Sacramento, CA 95826
Attn: Keith Wallace

SUBJECT: COMMENTS ON ROUND 2 IRWM IMPLEMENTATION GRANT EVALUATION AND REQUEST TO RESCIND AND FUND THE ANTELOPE VALLEY IRWM IMPLEMENTATION GRANT PROPOSAL.

Dear Mr. Wallace,

Thank you for the opportunity to comment on the draft funding recommendations for the Antelope Valley IRWM Implementation Grant Proposal. This letter outlines our major concerns and responses to comments provided by the Department of Water Resources (DWR) on the Antelope Valley's IRWM Implementation Grant Proposal (Proposal) for the Boron Community Services District (CSD) Arsenic Management Feasibility Study and Well Design Project.

DWR's comments on the Proposal Evaluation are provided below with our responses and respectful requests. We believe that the nature of this particular project may have created misunderstandings regarding many of the discussion points, justifications, and claims made in the application. The Project is a study/report and well design located in a disadvantaged community (DAC), and as such was eligible for Proposition 84, Round 2 Implementation funding under a unique set of circumstances that were outlined in the IRWM Grant Program Guidelines. Our most critical concern is the scoring for the Benefits and Cost Analysis, which we believe is not representative of the value that section provides (see p. 3 below).

Work Plan

DWR Comment 1:

"The criterion is fully addressed but is not supported by thorough documentation and sufficient rationale. The tasks for the project are of adequate detail and completeness and it is clear that the project can be implemented; however, the problem the project addresses is not well described and it is unclear how the project alternatives were determined. Basic background information including the source of arsenic in groundwater in the area, current well construction and completion status, and treatment technologies being considered are not included in the proposal. Additionally the applicant does not document deliverables."

Page 3 of 5

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Draft IRWM Plan:

Recycled Water Supply/Demand

Some language changes for recycled water:

- Three existing LACSD contracts
 - City of Lancaster
 - Los Angeles County Waterworks District No. 40
 - City of Palmdale
- Three contracts under negotiation
 - City of Lancaster
 - Los Angeles County Waterworks District No. 40
 - Palmdale Recycled Water Authority
- Piute Ponds = 4.6 mgd (flushing yrs.) and 2.6 mgd (other yrs.)
- Apollo Park = 0.15 mgd (avg.) and 0.5 mgd (summer peak)
- Total 2013 remaining = 20,000 AFY
- Total 2035 remaining = 30,000 AFY

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Draft IRWM Plan:

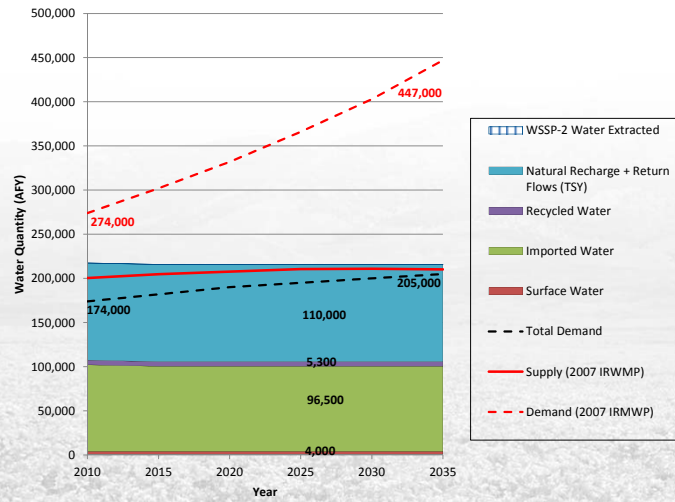
Section 3: Issues and Needs

Findings:

- Demands decreased overall
 - Population projections lower with updated SCAG projections (e.g. 2015 population estimate decreased from 641,000 to 424,000)
 - Per capita demands based on 2010 Urban Water Management Plans also decreased
- Supplies increased overall
 - Total sustainable yield is fixed
 - Recycled water supply increased slightly
 - More imported supply available

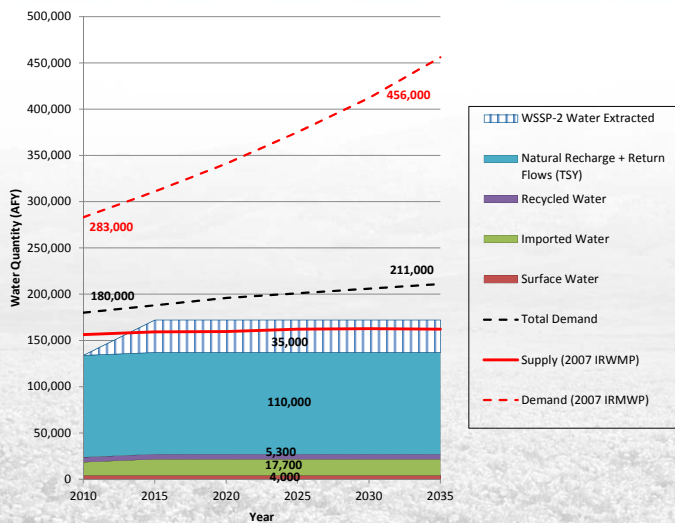
RMC

Draft IRWM Plan: Average Year Supply/Demand



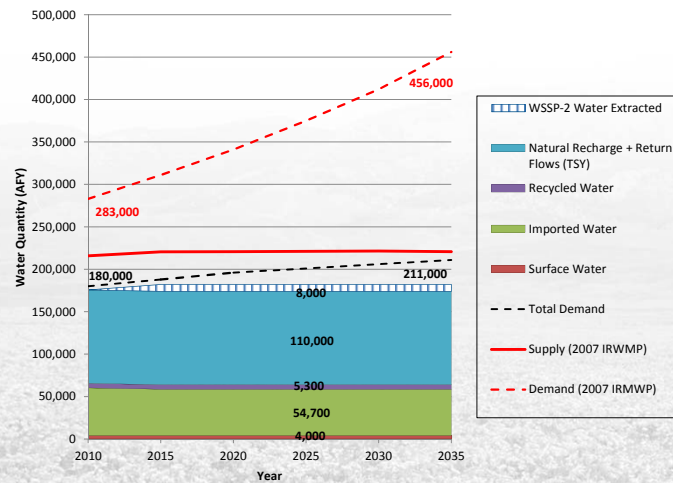
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Draft IRWM Plan: Single Dry Year Supply/Demand



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Draft IRWM Plan: Multi Dry Year Supply/Demand



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Draft IRWM Plan

Section 6 – Project Implementation and Objectives Assessment

Implementation and conceptual projects:


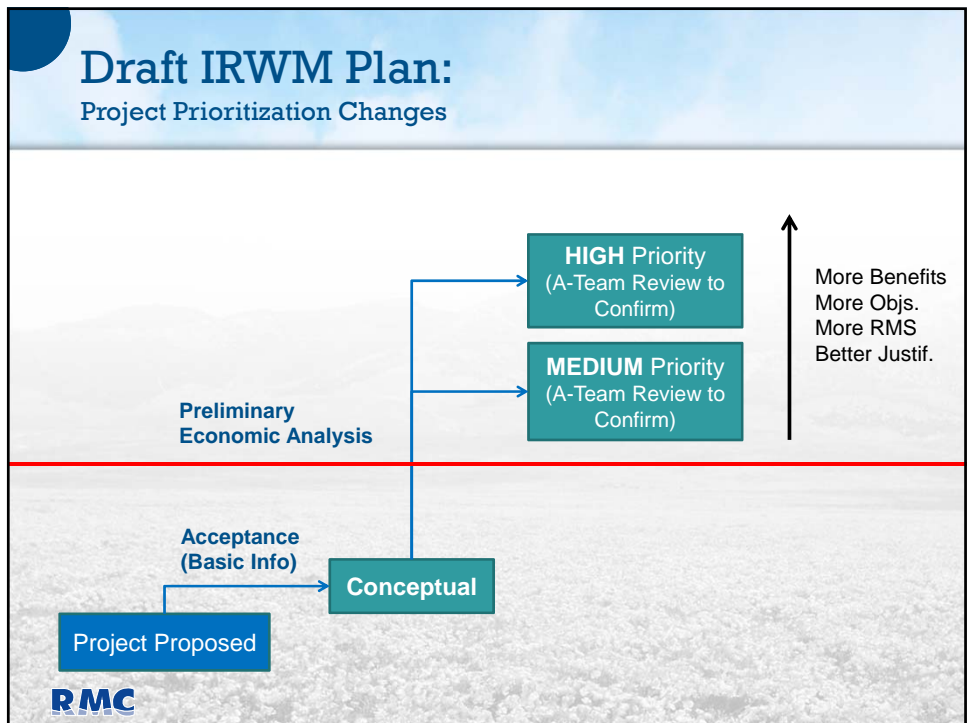
- Proposed projects will help Region to meet a majority of objectives if implemented
- Water supply: 78,000 AFY of new supply, over 500,000 of new storage capacity
- Water quality: Need additional projects to meet target of using 100% of recycled water by 2035
- Flood management projects: Most projects are conceptual
 - Recommend identifying beneficial uses for flood waters, flood hazard mapping, integrated flood management plan
- Environmental resource management: Projects in place to conserve over 2,000 acres of open space
- Land use planning projects: Additional projects needed to meet farmland preservation target

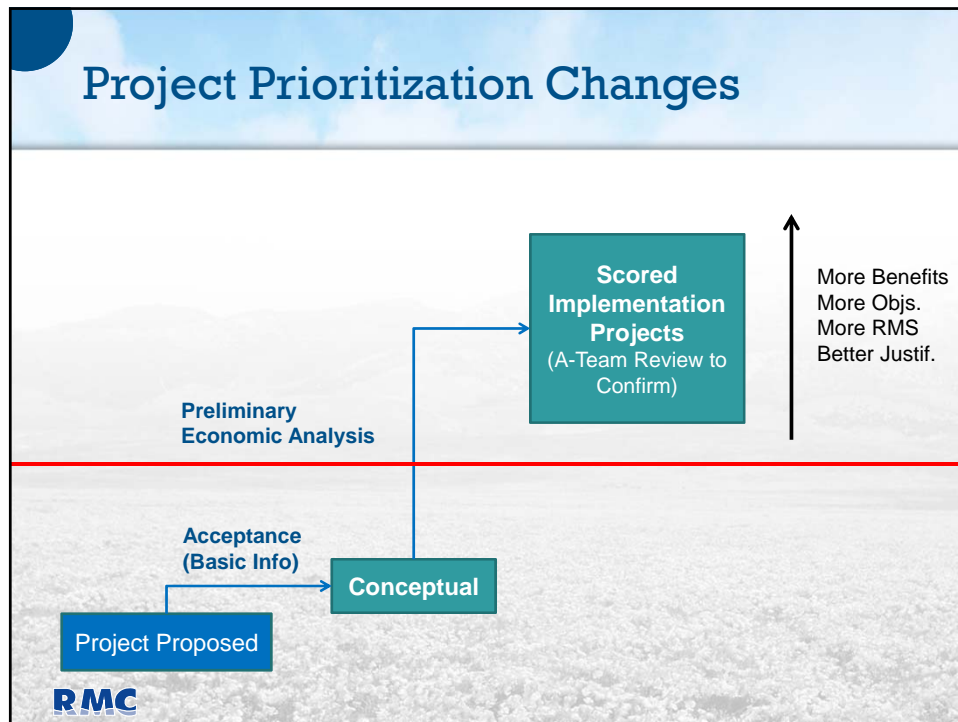
RMC

Draft IRWM Plan

Section 8 – Framework for Implementation

- Region will continue with its current structure (MOU), but may consider formation of a JPA in the future
- Financing Plan
 - Program O&M will continue to be funded through in-kind and MOU program fund sharing
 - Projects will continue to be funded by project proponents, partners and grants
- Data Management
 - AV IRWMP website will be used for the collection and dissemination of data
 - Standardized reporting format to be used to collect data on implemented projects
- IRWM Plan Performance
 - A-Team will take primary responsibility for tracking of Plan performance
 - Each objective will be tracked using specific indicators, tools and methods



Draft IRWM Plan:

Total Sustainable Yield Approach

- Use 110,000 AFY as the number for supply and demand calculations
- Acknowledge that other estimates have been developed:
 - Total Sustainable Yield = natural recharge + return flows
 - Natural recharge estimated between 30,300 and 81,400 AFY (previous studies)
 - Return flows estimated between 36,000 and 48,000 AFY (2007 approximately 66,000 and 129,000 AFY)
 - The 110,000 AFY from adjudication process falls in this range
- Acknowledge that the value of 110,000 AFY may be revisited after a period of monitoring and that the IRWMP will be updated in that case
- Include adjudication references in an Appendix (not full documents)

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Draft IRWM Plan:

Total Sustainable Yield text

For the purposes of this IRWM Plan, the adjudication finding for TSY (110,000 AFY) is utilized to determine the amount of water that may be sustainably pumped from the basin and represents the combination of natural recharge and return flows from M&I, agricultural, and agricultural reuse. Therefore, these components of TSY are not calculated separately. This Plan acknowledges that other estimates have been developed for TSY in the Valley as mentioned above.

For the purposes of this Plan, as determined by the Stakeholder Group at the October 16, 2013 stakeholder meeting, the discussions that follow in Section 3 and 6 will utilize the 110,000 AFY for TSY for water balance and projection purposes. It is important to note that the value for TSY may be revisited by the Court after a period of monitoring and documentation. If the TSY number is revised by the Court in the future for any reason, the IRWMP will be updated to reflect those changes.

RMC

Draft IRWM Plan:

Total Sustainable Yield documents

- Leighton, D.A. and Phillips, S.P. 2003. Simulation of Ground-Water Flow and Land Subsidence in the Antelope Valley Ground-Water Basin, California. Prepared by the U.S. Geological Survey in cooperation with the Antelope Valley Water Group. Water-Resources Investigations Report 03-4016.
- Superior Court of California. 2006. Revised Order After Hearing on Jurisdictional Boundaries. Antelope Valley Groundwater Cases (JCCP4408). Los Angeles County Superior Court Case No. BC 325 201.
- Superior Court of California. 2008. Order After Phase Two Trial of Hydrologic Nature of Antelope Valley. Antelope Valley Groundwater Cases (JCCP4408). Los Angeles County Superior Court Case No. Case No. 1-05-CV 049053.
- Superior Court of California. 2010. Ex Parte Application of "Moving Principals" for Continuance of Trial; Declaration of Douglas J. Evertz in Support of Application. Case No. BC 364553.
- Superior Court of California. 2010. Willis Class Stipulation of Settlement. Case No. BC 364553.
- Superior Court of California. 2011. Statement of Decision Phase Three Trial. Case No. BC 325201.
- Superior Court of California. 2011. Declaration of Steven Bachman, Ph.D., In Response to the Declaration of Joseph Scalmanini Re: Rebuttal Testimony. Phase 3 Trial. Case No.: 1-05-CV-049053. Los Angeles County Superior Court Case No. BC 325 201.
- Superior Court of California. 2012. Notice of Lodgment in Support of Notice of Motion and Motion for Reconsideration of the Court's November 16, 2011 Order RE Election for Periodic Payments of the Amended Final Judgment Approving Willis Class Action Settlement; Memorandum of Points and Authorities. Case No.: BC 364553.
- Superior Court of California. 2013. Antelope Valley-East Kern Water Agency's Statement RE Phase V Trial Proposal. Phase 3 Trial. Case No.: 1-05-CV-049053. Los Angeles County Superior Court Case No. BC 325 201.
- United States Geological Survey (USGS). 1967. Water Resources of the Antelope Valley-East Kern Water Agency Area, California. (67-21).

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Next Steps

- Draft IRWM Plan Public Comment Period ends Wednesday December 11th
- Final IRWM Plan Complete by the end of December 2013
- Consider project selection for Prop. 84, Round 3 in 2014
- RMC to create next steps for A-Team

RMC

Open Discussion/Q&A



RMC

Courtesy of Richard Caulkins

Draft IRWM Plan: Regional Supply/Demand

