



**Antelope Valley**  
**Integrated Regional Water Management Plan**  
**2007 Update**  
**Seventh Stakeholder Meeting**

**Presenters:**  
Brian Dietrick, P.E.

**RMC** *Innovative Solutions for  
Water and the Environment*

March 20, 2013



## Agenda

- Welcome and Introductions
- Progress on IRWM Updates
  - Flood Management
  - DACs
  - Plan Updates
- Discuss A-Team
  - A-Team Chronology
  - Agriculture seat
  - Potential nominations
- Lahontan Funding Area Coordination
- Proposition 84 Update
- Acceptance of Boron CSD into 2007 IRWMP
- IRWM Summit/Conference in April
- Next Steps

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## Progress on IRWM Updates

- **Flood Management**
  - Task 2.3.3 Methodology to prioritize flood projects
  - Task 2.3.4 Multi-benefit Flood Protection, Project Opportunities and Institutional and Funding arrangements
  - Task 2.3.5 Memorandum for Promoting Involvement in CRS
- **Disadvantaged Communities**
  - Task 2.1.2 DAC Supply, Quality, & Flooding Data TM
- **IRWM Plan Updates**
  - Section 1 (Background) – draft complete, reviewed by A-Team
  - Section 2 (Region Description)
  - Section 4 (Objectives)
  - Section 7 (Plan and Process)

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## Discussion of A-Team

- Open Seats
  - **Agriculture** – formerly held by Dave Rizzo, AVEK
  - **Urban Water Supplier** – new member is Matt Knudsen, PWD/AVSWCA
- Main Responsibilities (from 2009 Agreement):
  - Organize stakeholder meetings
  - Maintain AVWATERPLAN.ORG
  - Identify grant opportunities and facilitate applications
  - Develop short and long-term implementation measures
  - Recommend annual scope and budget to RWMG
  - Recommend long-term governance structure
  - Serve 3-year term

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# Discussion of A-Team

Today



A-Team Seats (Category)	Designated end of first term	2009	2010	2011	2012	2013	2014
Agriculture	2010	Dave Rizzo		Dave Rizzo (left AVEK)		<Need to select member>	
Conservation, Environmental, and Water Quality	2011	Brian Dietrick (left LACSD) Rick Caulkins			Rick Caulkins		
Industry and Commerce	2009	Gretchen Guttierrez	Gretchen Guttierrez (left BOT 09-2009) Josh Mann (resigned 02-2011) Vicki Medina			Vicki Medina	
Municipalities	2010	Randy Williams (retired 08-2009) Steve Dassler		Steve Dassler (retired 12-2011) Carlyle Workman			
Mutual Water Companies	2011	Vicki Nelson			Vicki Nelson		
Public/Land Owners/Rural Town Councils	2009	Bob Large	Bob Large			Bob Large	
Urban Water Suppliers	2010	Dave Rydman		Dave Rydman (left LACWW) Jessica Bunker (transferred) Matt Knudsen			



# Lahontan Funding Area Coordination

## Conference calls with other Regions

### Summary:

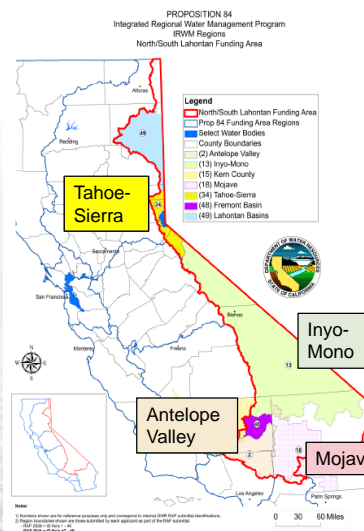
- \$3.9M available in Prop. 84, Round 2
- 3 Other Regions will apply

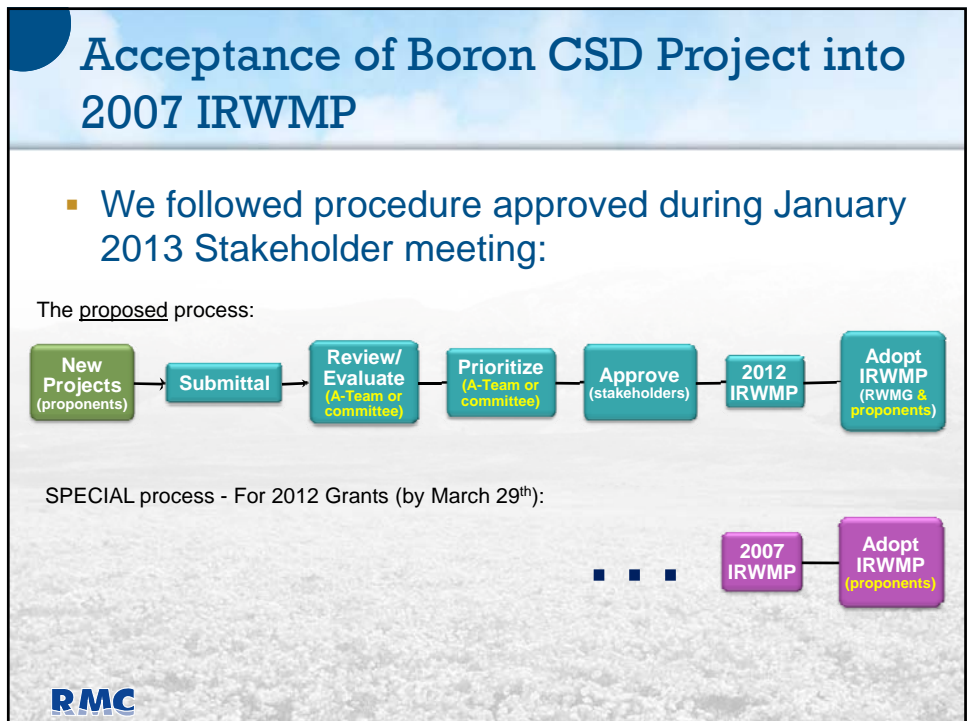
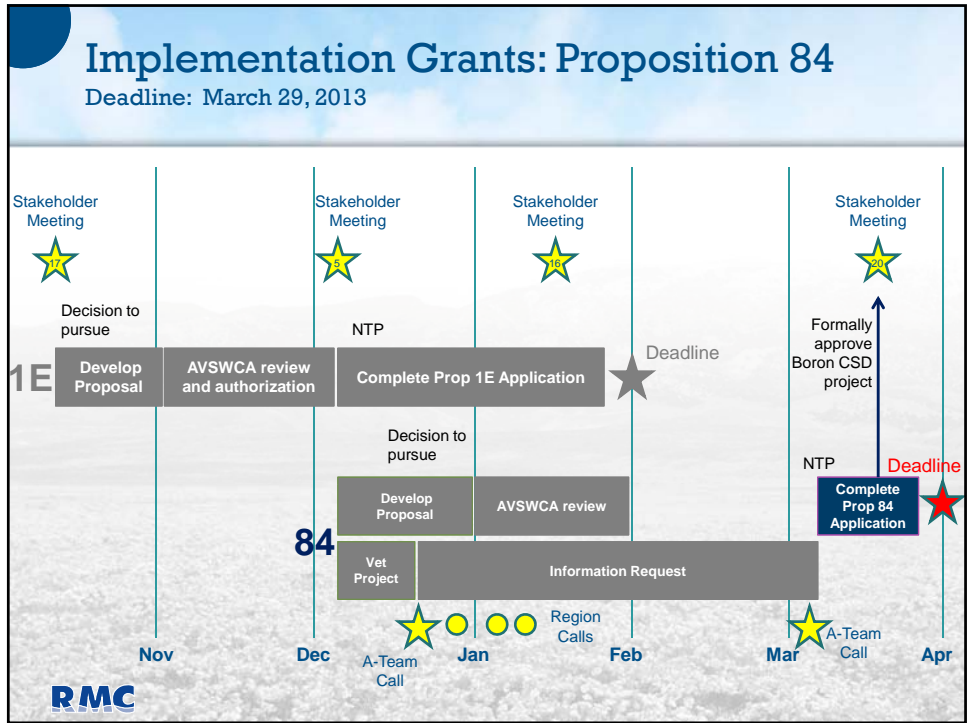
### Several Options Discussed:

- no agreement
- divide by 4 equally
- \$427,000 to AV Region and divide remainder by 3
- Letter of support only

### Action Items:

- Letter of agreement drafted expressing mutual support
- Continue dialogue for Round 3







## Acceptance of Boron CSD Project into 2007 IRWMP

- New Project Submittal Form was developed based on requirements in 2012 IRWM Guidelines
- RMC also developed review factor criteria to provide a guide for considering new projects (see hard copy)
- Boron CSD filled out Form & submitted to A-Team
- A-Team held conference call on March 12 to review/evaluate/prioritize Boron CSD Form
- Project was determined to have sufficient information and to meet criteria for acceptance
- A-Team will make recommendation to Stakeholder Group to accept Project into 2007 IRWMP



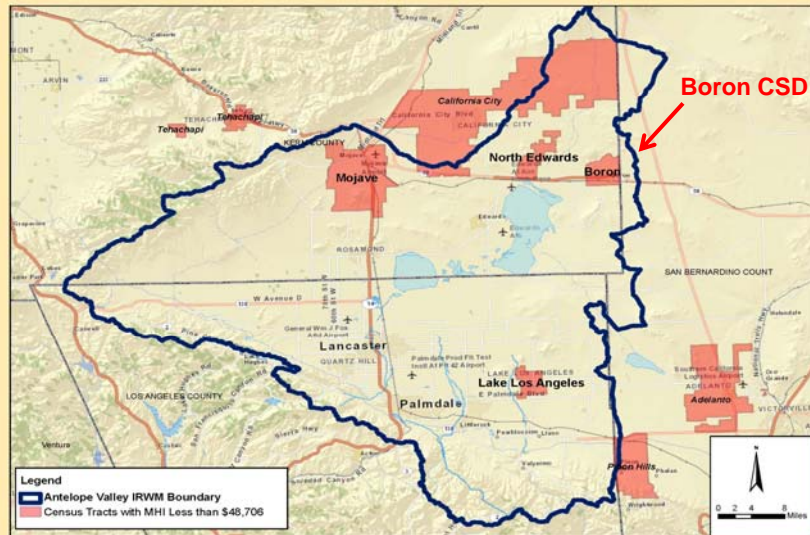
## Acceptance of Boron CSD Project into 2007 IRWMP

Summary of Review Factor Criteria:

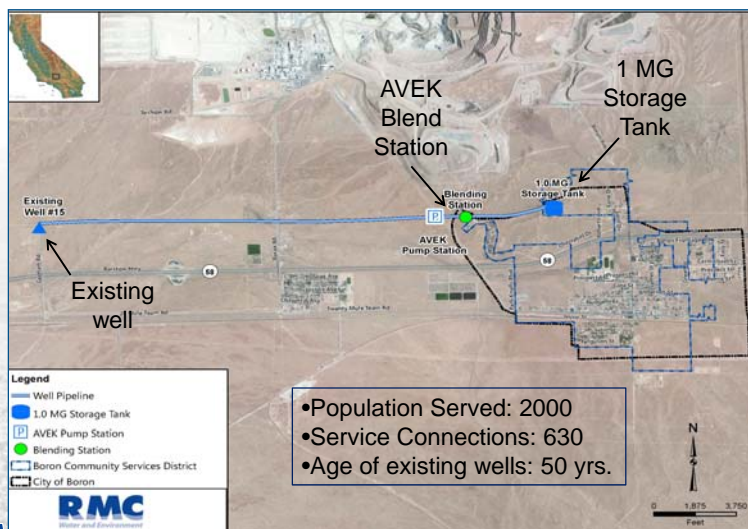
Review Factor	What the proponent needs to provide
General Information	Project description, location, benefits, and general information
IRWMP Objectives & Resource Mgt. Strat.	At least one of each?
Technically Feasible	At least one supporting document?
DAC/Tribal/Env. Justice	Yes or No?
Project Costs	Sufficient information? (for level of design)
Economic Feasibility	Has an analysis been done? (OK if not)
Readiness to Proceed	Is the status clearly defined?
Climate Change	Sufficient information?



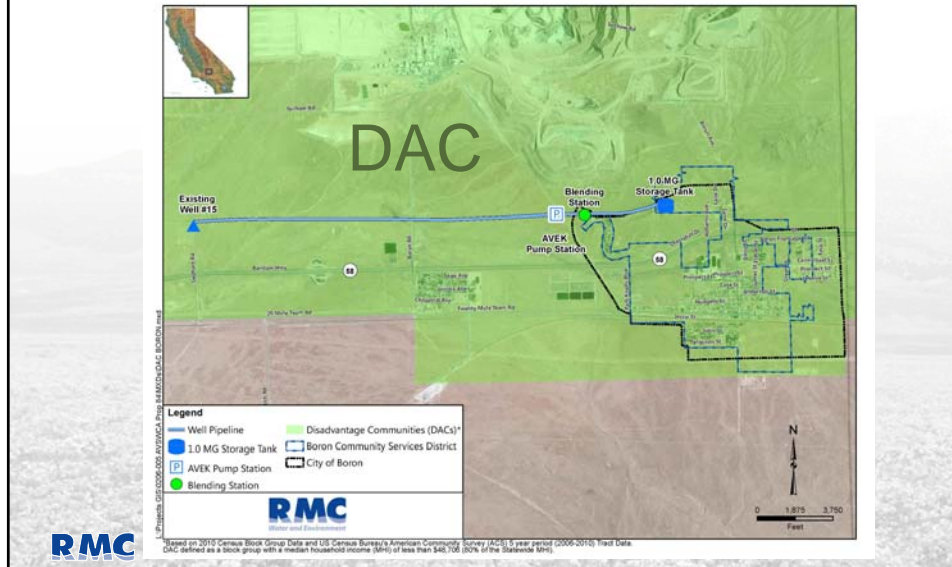
## Acceptance of Boron CSD Project into 2007 IRWMP – Project Location



## Acceptance of Boron CSD Project into 2007 IRWMP – Project Location



## Acceptance of Boron CSD Project into 2007 IRWMP – DAC Area



## Acceptance of Boron CSD Project into 2007 IRWMP

- **Project Background**
  - Calif. Dept. of Public Health adopted new MCL for arsenic of 10 ppb in 2008 (reduced from 50 ppb)
  - Boron CSD received CDPH compliance order in 2009
  - Current practice is blend with AVEK water (limited)
- **Project Description**
  - Preliminary Engineering Report
    - New well at low arsenic location
    - Existing well + arsenic treatment
    - New well + arsenic treatment
    - New well + AVEK blend
  - Also includes hydrogeology study, pilot well design & construction, CEQA/NEPA, production well design
- **Total Cost = \$427,000**

## Acceptance of Boron CSD Project into 2007 IRWMP

Summary of Review Factor Criteria (for Boron CSD):

Review Factor	What the proponent needs to provide
General Information	Project description, location, benefits, and general information – <b>all provided</b>
IRWMP Objectives & Resource Mgt. Strat.	At least one of each? – <b>could meet (1) water supply and (2) water quality objectives</b>
Technically Feasible	At least one supporting document? – <b>yes, submitted complete scope and budget</b>
DAC/Tribal/Env. Justice	Yes or No? – <b>yes for DAC</b>
Project Costs	Sufficient information? (for level of design) – <b>yes, complete cost estimate provided</b>
Economic Feasibility	Has an analysis been done? (OK if not) - <b>No</b>
Readiness to Proceed	Is the status clearly defined? – <b>yes, conceptual</b>
Climate Change	Sufficient information? – <b>n/a for conceptual</b>

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## Acceptance of Boron CSD Project into 2007 IRWMP

Need stakeholder consensus

- Summary of A-Team Call on March 12:
  - **Discussion** – does a groundwater (GW) pumping project meet the overall objectives of Antelope Valley IRWMP?
    - Will short-term solution impact long-term GW levels?
    - Does the Project provide additional water supply?
    - Project is a feasibility study only - has not determined a solution.
    - Not enough detail to make decision about IRWMP objectives, but it could meet the objectives, depending on preferred project.
  - **Recommendation** – accept Boron CSD project into 2007 IRWMP; when project is better defined after feasibility study, it should be reconsidered for acceptance as an implementation project
- **Call:** Stakeholder Group Acceptance of Boron CSD Project into Antelope Valley 2007 IRWMP

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## IRWM Summit and Conference

### Integrated Water Management Summit – April 3 Sacramento Convention Center

**Who:** California Department of Water Resources, Water Education Foundation

**What:** Half-day panel discussion

**Why:** Opportunity to build understanding about California's commitment to improve public safety, foster environmental stewardship, and support economic stability using a holistic approach

\*Agenda available

### Transforming the Water Management Culture Conference – April 4-5 Sacramento Convention Center

**Who:** California Department of Water Resources, Water Education Foundation, California Water Commission

**What:** Series of interactive sessions

**Why:** Join representatives from water and flood management agencies, city and county, environmental protection, business, technology, and academia for an in-depth conversation on IRWM in California.

\*Agenda available

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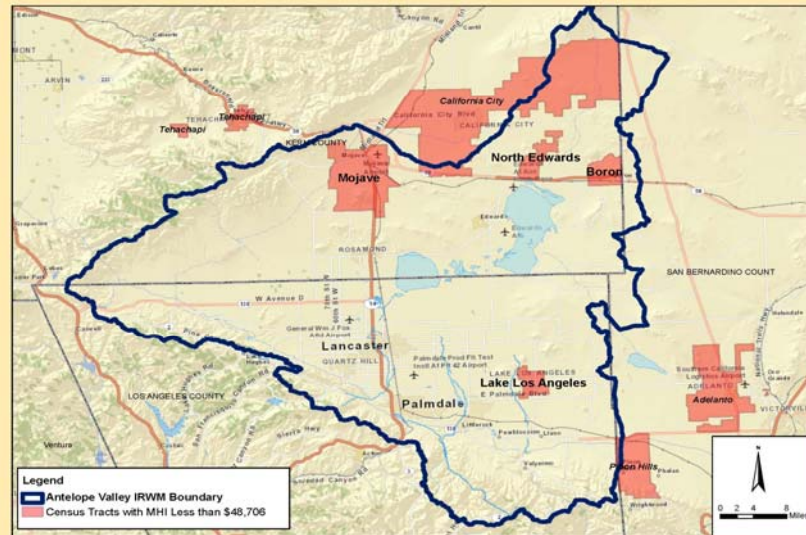
## Next Steps

- **Stakeholder meeting** – May 15<sup>th</sup>
- **Flood Committee**
  - RMC will distribute next three TMs in April - May
  - Flood Committee meeting – May 15<sup>th</sup>
- **DAC Committee**
  - RMC will distribute DAC TM for review in April
  - DAC Committee meeting – May 15<sup>th</sup>
- **Implementation Grant:**
  - RMC to work with LACWWD40 to upload Boron CSD Project to AVWATERPLAN.org
  - Prop. 84 grant application proposal due March 29<sup>th</sup>
- **IRWM Plan Update – getting back on track!**
  - Section 2 (Region Description)
  - Section 4 (Objectives)
  - Section 7 (Plan and Process)

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## DAC Location Map



## Outline of DAC Supply, Quality, and Flooding Data TM

1. Introduction/Purpose
2. Updated DAC area map
3. DAC Areas
  - Water supply issues/data
  - Water quality issues/data
  - Flooding issues/data
  - Maps, figures, tables to summarize
  - Recommended monitoring studies
  - Recommended implementation of future projects
4. Conclusions/Next Steps

## Next Steps

- **Stakeholder meeting** – May 15<sup>th</sup>, 2013
- **DAC Committee**
  - RMC will distribute DAC Supply, Quality, and Flooding TM for review in April
  - DAC Committee meeting to discuss TM – after May 15<sup>th</sup> Stakeholder Meeting

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## Open Discussion/Q&A



Courtesy of Richard Caulkins

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