

AV IRWMP Third Stakeholder Meeting

Wednesday, August 15, 2012

Minutes taken by: Grizelda Soto

The third Antelope Valley Integrated Regional Water Management Plan (IRWMP) 2007 Update Stakeholder meeting was held on August 15, 2012, at Lancaster City Hall. Attendees are listed in the attached sign-in sheet.

1. Welcome and Introductions

- a. The meeting was opened by Brian Dietrick (RMC) and led by Rick Caulkins (LACSD, A-Team), and called to order at 9:10am.
- b. Handouts of the meeting agenda and Objectives and Planning Targets spreadsheet table were distributed. An electronic copy of the presentation is attached.

2. Update on Recent Events

- a. Brian provided a summary of the Edwards Air Force Base Tour during the last stakeholder meeting
- b. Brian and Vicki provided a brief summary on the Antelope Valley Board of Trade (BOT) Luncheon AV IRWMP Presentation
 - I. Vicki Medina (AV BOT) stated the Antelope Valley BOT Luncheon was well attended and the July newsletter includes a story on the Luncheon. For the upcoming issue she suggested to include the revised goals, objectives and targets language in the AV BOT newsletter.

3. Update on DAC Outreach

- a. Brian provided a summary of all the DAC outreach RMC has done since the last stakeholder meeting and planned outreach:
 - I. Met with North Edwards and Desert Lake CSD, (Dollie Kostopoulos, GM)
 - II. Provided DAC outreach materials to Mojave PUD (Bee Coy, GM)
 - III. Provided DAC outreach materials to Boron CSD (Natalie Dadey, office manager)
 - IV. Attempted to communicate with Edgemont Acres MWC (Bruce Davies, GM)
 - V. Will be attending the Lake Los Angeles Town Council meeting on 8/28
- b. Wendy Reed (AV Conservancy) asked we include Wilsona Gardens Mutual as a DAC community. The Wilsona Water District currently does not have enough supplies for fire hydrants (safety hazard) and has water quality issues (Chloramines)
 - I. The Wilson Water District/Sun Village is not designated as a DAC on the DWR DAC map. RMC will contact DWR to investigate what other data can be used to designate DAC areas.
 - II. Brian is to discuss this topic further at the Lake Los Angeles Town Council meeting on August 28, 2012

- c. Louma Jurkevics (DWR) announced a workshop will be held at the Lancaster Public Library at 1pm on August 16, 2012 to allow the public to provide comments on the draft IRWMP, Prop. 84 Implementation grant, and Prop 1e stormwater grant guidelines.
 - I. Further details on the workshop can be located on the state website <http://www.water.ca.gov> under the funding/IRWM website page.
- d. Brian went over the DAC Outreach schedule which will now extend to December.

4. Update on Integrated Flood Management

- a. Brian summarized the recent and current work by RMC and PACE, including: Flood documents matrix, integrated maps, and the Flood Needs technical memorandum.
- b. Brian had originally scheduled a Flood Committee meeting following the Stakeholder Meeting, however it was postponed.
 - I. DWR is developing a tool under the FloodSAFE Program in which the state has already collected much of the flood data needed for the Antelope Valley IRWMP. Therefore it was decided that work on the Integrated Flood Management effort will be postponed for a 4-6 weeks in anticipation of the database tool.
 - II. Bob Large asked if RMC has had any issues collecting data from cities/counties due to insurance issues. RMC has had no issues collecting data for insurance reasons.

5. Introduction to Climate Change

- a. Louma Jurkevics (DWR) provided a Web Link Postcard to the Stakeholder attendants with information on how to download state documents related to climate change
- b. Brian summarized how climate change can impact water-related projects and projects impact climate change. He also summarized the climate change legislative drivers, the adaptation and mitigation analyses that will be required for the IRWMP, and how climate change language will be incorporated into the IRWMP.
- c. Climate Change Committee and Workshops
 - I. A climate change committee will need to be formed for the AV IRWMP region to provide feedback to RMC on the adaptation and mitigation analyses
 - II. Committee members who volunteer will need to attend three workshops (2 hrs each) and will be expected to complete "homework" between the workshops (1-2 hours of reviewing materials provided by email)
 - III. The climate change work is projected to be completed by December 2012; workshops will be held once a month in September, October, and November 2012.
- d. Climate Change Committee Volunteer Members
 - 1. Bob Large
 - 2. Wendy Reed
 - 3. Jessica Bunker
 - 4. City of Lancaster - Carlyle Workman will commit someone

- 5. City of Palmdale - Gordon Phair will commit someone
- 6. Louma Jurkevics
- 7. Kern County - Brian will attempt to get a Kern stakeholder involved
- 8. Vicki Nelson

6. Goals

- a. Goal language from the 2007 IRWM Plan was reviewed and revised by the stakeholder group, see table and comments below:

#	Original Goal Language “... develop a Plan that will address:”	Updated Goal Language “... develop a Plan that will ...”
1	How municipal and industrial (M&I) purveyors can reliably provide the quantity and quality of water that will be demanded by a growing population	Reliably provide the quantity and quality of water that will be demanded by a growing population
2	Options to satisfy agricultural users’ demand for reliable irrigation water supplies at reasonable cost; and	Provide options to satisfy agricultural users’ demand for reliable irrigation water supplies at reasonable cost; and”
3	Opportunities to protect and enhance current water resources (including groundwater) and the other environmental resources within the Antelope Valley Region	Protect, enhance, and manage water resources and the other environmental resources for human and natural benefit within the Antelope Valley Region

- b. Goal 1 comments: Bob Large stated the current goal language does not include individual pumpers and should be considered as part of the goal. Wanda Deal agreed the goal needs to be made more inclusive, or we need to create a new goal which addresses the individual pumpers. As a resolution, Rick Caulkins suggested to remove the words “municipal and industrial purveyor can” to make the language more general.
- c. Goal 2 comments: There were no issues the goal language.
- d. Goal 3 comments: Wendy Reed suggested the following language be added to the goal language “for human and natural benefit”. Gordon Phair suggested the words “Including groundwater” be removed as we do not want to single out only one water supply source. Louma Jurkevics pointed out the three goals only encompassed a few of the objectives but not all (i.e. Flood Management). Therefore Wendy Reed suggested we include the word “manage” in the goal language to be more inclusive of Environmental Resource and Land Use-related objectives.

7. Objectives

- a. Objective language from the 2007 IRWM Plan was reviewed and revised by the stakeholder group, see table and comments below:

#	Original Objective Language	New/Updated Objective Language
Water Supply Management		
1	Provide reliable water supply to meet the Antelope Valley Region's expected demand between now and 2035	Same as original
2	Establish a contingency plan to meet water supply needs of the Antelope Valley Region during a plausible disruption of SWP water deliveries	Establish a contingency plan to meet water supply needs of the Antelope Valley Region during a plausible disruption of SWP deliveries
3	Stabilize groundwater levels at current conditions	Stabilize groundwater levels
Water Quality Management		
1	Provide Drinking Water that meets customer expectations	Provide drinking water that meets regulatory requirements and customer expectations
2	Protect aquifers from contamination	Protect and maintain aquifers
3	Protect natural streams and recharge areas from contamination	Protect and maintain natural streams and recharge areas
4	Maximize beneficial use of recycled water	Same as original
Flood Management		
1	Reduce negative impacts of stormwater, urban runoff, and nuisance water	Same as original
2	No previous language	Optimize the balance between protecting existing beneficial uses of stormwater and capturing stormwater for new uses
Environmental Resources Management		
1	Preserve open space and natural habitats that protect and enhance water resources and species in the Antelope Valley Region	Will be discussed during the next stakeholder meeting (Oct 2012)
Land Use Planning/Management		
1	Maintain agricultural land use within the Antelope Valley Region	Will be discussed during the next stakeholder meeting (Oct 2012)
2	Meet growing demand for recreational space	Will be discussed during the next stakeholder meeting (Oct 2012)
3	Improve integrated land use planning to support water management	Will be discussed during the next stakeholder meeting (Oct 2012)

b. Water Supply Management

- a. Objective 1 comments: The language is still relevant and does not require modification (UWMPs still have a planning horizon to 2035; also SWP contract renewal occurs in 2035)

- b. Objective 2 comments: It was suggested to remove the word “water” from the original language
 - c. Objective 3 comments: Rick Caulkins suggested “at current conditions” be removed to eliminate confusion
 - d. Other comments: Bob Large asked where a 10 year drought fit under the Water Supply Management objectives. It was determined it would fall under the first objective and would probably be a scenario that would be considered under the Climate Change analyses as well.
- c. Water Quality Management
- a. Objective 1 comments: Rick Caulkins suggested to add “regulatory requirements”
 - b. Objective 2 comments: Rick Caulkins and Wendy Reed suggested “from contamination” be removed
 - c. Objective 3 comments: Rick Caulkins and Wendy Reed suggested “from contamination” be removed; Wendy Reed suggested we add the word “maintain”
 - d. Objective 4 comments: The language does not require modification
- d. Flood Management
- a. Objective 1 comments: The language does not require modification
 - b. Suggested New Objective 2 comments: Do not use “maximize the capture of stormwater”, instead use “optimize the capture of stormwater”
- e. The last two objectives categories, Environmental Resource Management and Land Use Planning/Management will be discussed during the next stakeholder meeting in October 2012.
8. Next Steps
- a. Brian summarized the next steps for the RMC on the IRWM Plan:
 - I. Begin revisions to the IRWM Plan Language (Sections 1-10)
 - II. Schedule climate change workshops in September, October, and November
 - III. Flood Needs TM and Flood Committee meeting (Sept./Oct.)
 - IV. Next Stakeholder Meeting – will be held on October 17, 2012 at the City of Palmdale. Brian Dietrick will contact Gordon Phair to confirm location and time.
 - V. Continue DAC Outreach and other outreach
9. Election of Advisory Team Seats
- a. Seats up for re-election and newly elected members:
 - a. Industry and Commerce: Vicki Medina
 - b. Public/Land Owners/Rural Town Councils: Bob Large
 - c. Urban Water Suppliers: Jessica Bunker (for the remaining 1 year term)
10. Adjudication Update
- a. Matt Knudson (PWD) gave an update on the groundwater adjudication:

- I. Settlement talks continue (currently regarding water rights) between all parties
– A settlement meeting is scheduled for September 2012
- II. If settlement meeting fails, an additional trial phase will need to be held in Feb. 2013
- III. Matt Knudson provided a web address for the groundwater adjudication page :
<http://www.scefilings.org/cases/casehome.jsp?caseId=19>

11. Bay Delta Task Force Conveyance Update

- a. Tom Barnes (AVEK) gave an update:
 - a. Bay Delta Conservation Plan started in 2006
 - b. The plan talks about how much water will be available to take from the Delta, the reliability of the Delta, and decreasing demands of Delta water. The big part of the plan is water supply- the latest plan is to tunnel (two tunnels) underneath the Delta and decrease the capacity of the pipes to 9,000 cfs.
 - c. First phase of environmental work is estimated at \$100M, \$160M for second phase. As a SWP contractor, AVEK's share of these costs would be approximately \$1.8 million.
 - d. MWD is expected to support the plan for environmental work
 - e. Kern County Water Agency is currently supporting the plan for 90 days and will make a final decision they receive further information from the state.
 - f. State Water bond that will fund the construction of the Bay Delta project is expected in 2014.

12. Edwards Air Force Base tour Synopsis

- a. Wanda Deal gave a summary of the EAFB tour:
 - a. Stormwater reaching the dry lake beds is vital for the following reasons:
 1. Operational needs
 2. Continued environmental stewardship of the region (Piute Ponds)
 3. Dust control
 4. Sediment transport to the dry bed lake
 - b. Based on recent hydrological studies, a 4-day storm event resulted in 315 million gallons of local runoff.

13. Meeting was adjourned at 11:30am

ACTION ITEMS:

1. Matt Knudson to send out link to groundwater adjudication site
2. Gordon Phair and Carlyle Workman to provide names for Climate Change Participants
3. RMC to find a Kern County representative to participate in the Climate Change workgroups
4. RMC to schedule three climate change committee workshops
5. RMC to add Jan Zimmerman to the Flood Management Committee

6. Gordon Phair to contact Brian Dietrick with confirmation on fourth stakeholder meeting location at the City of Palmdale

DRAFT



Antelope Valley
Integrated Regional Water Management Plan
2007 Update

Third Stakeholder Meeting

Consultant Team:
Brian Dietrick
Tom West
Grizelda Soto

RMC *Innovative Solutions for Water and the Environment* **PACE** August 15, 2012



Meeting Objectives

- Updates
 - Recent Events
 - DAC Outreach
 - Integrated Flood Management
- Introduction to Climate Change
- Revisit IRWMP Goals & Objectives
- Overall Schedule/Next Steps

RMC

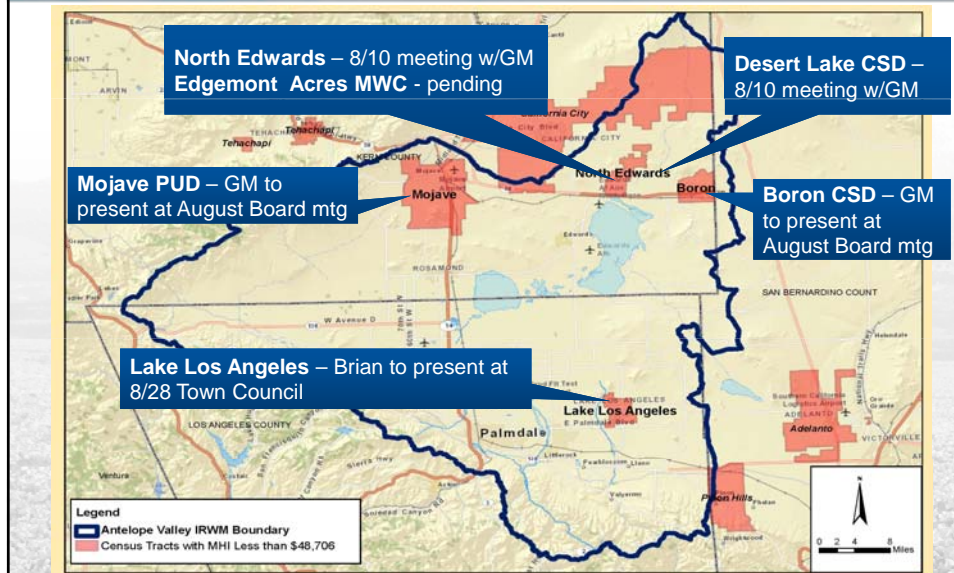
Updates – Recent Events

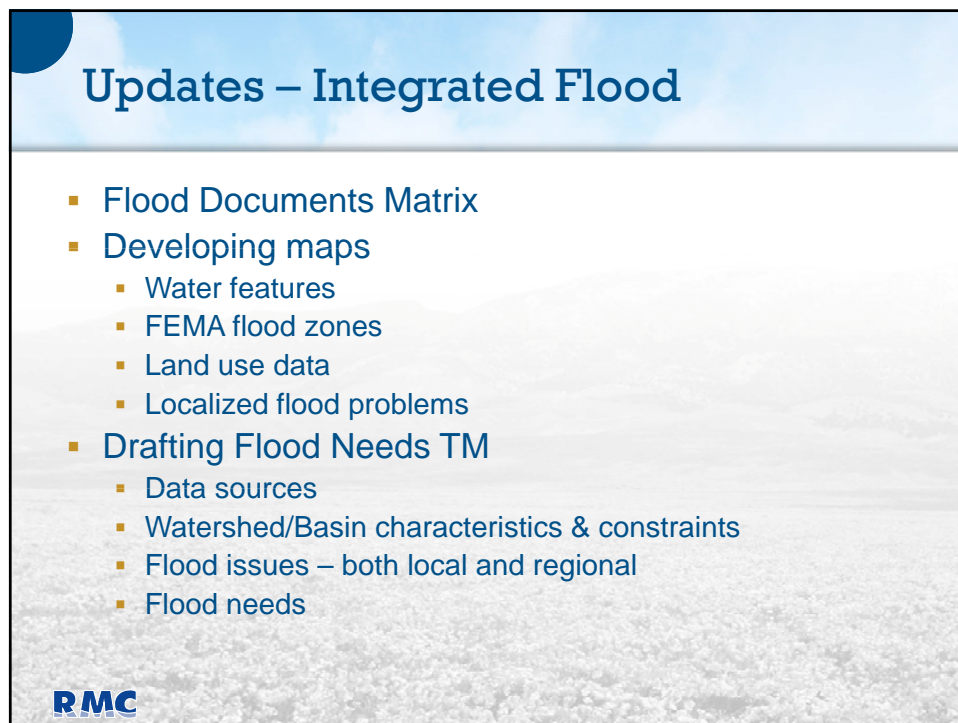
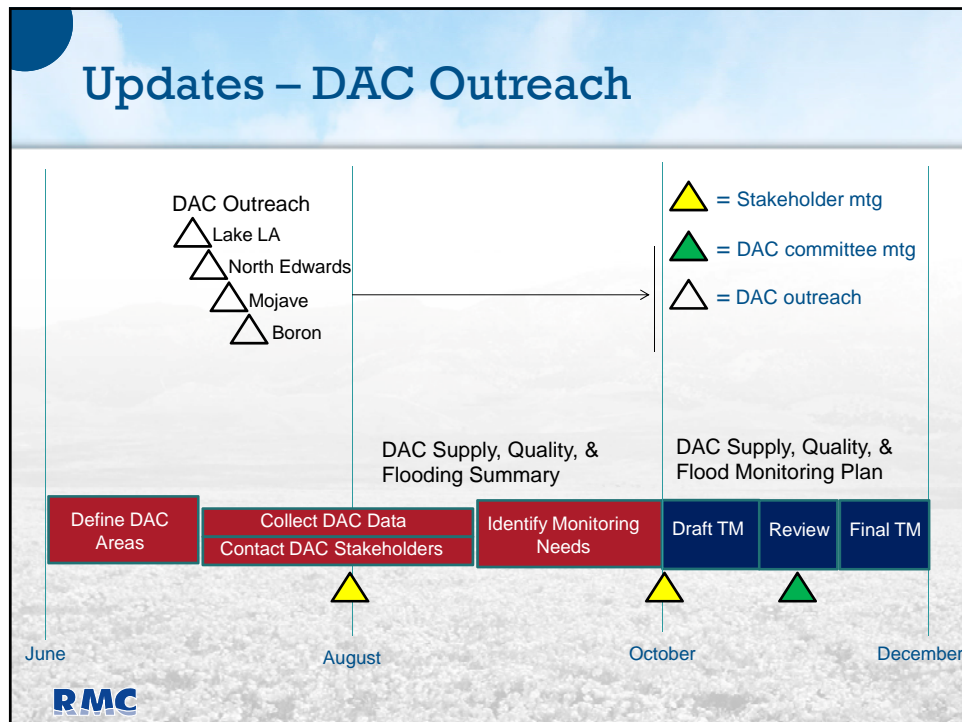
- Edwards Air Force Base Tour
 - June 20, 2012
 - 22 attendees

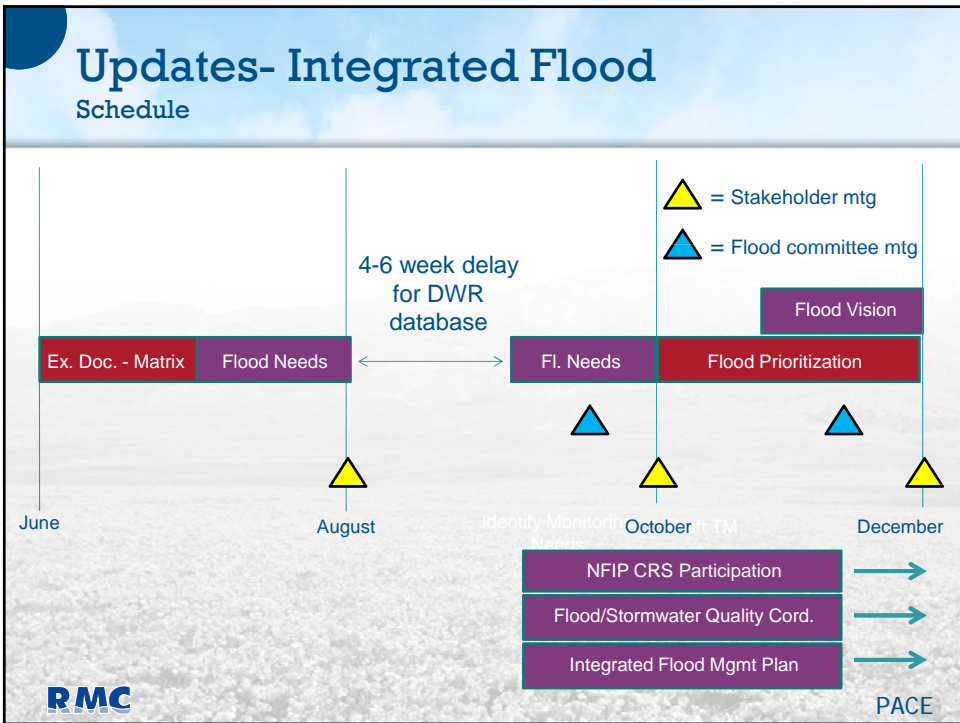
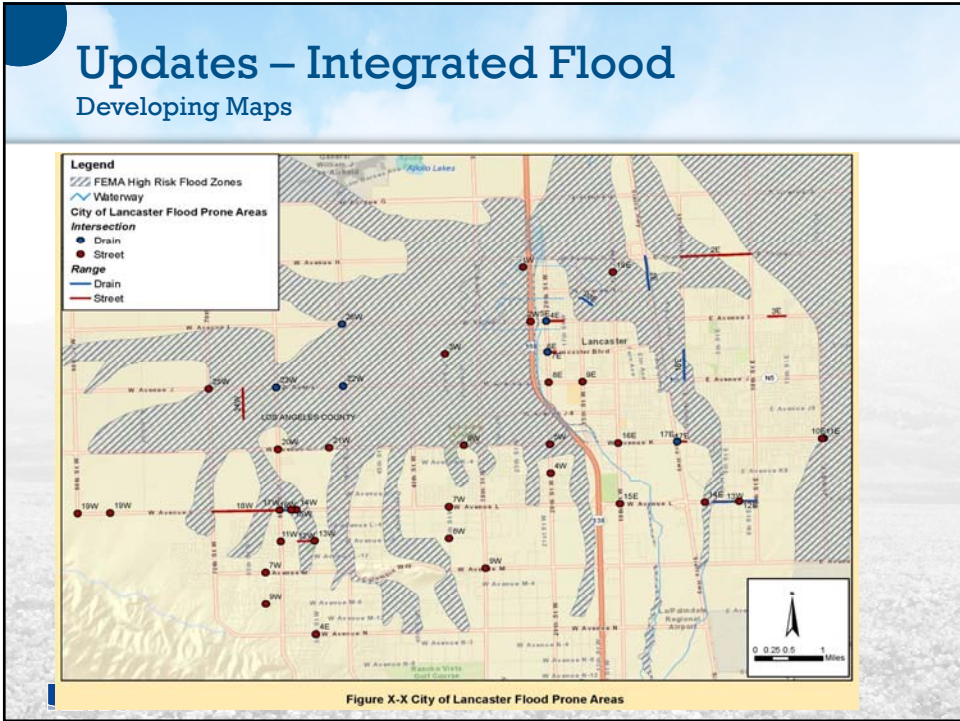
- Antelope Valley Board of Trade Luncheon
 - July 24, 2012



Updates – DAC Outreach







Introduction to Climate Change

Link to projects:

Climate

Sea level rise
Decreasing snowpack
More frequent, severe storms

Greenhouse gas emissions

Projects

RMC

Introduction to Climate Change

Legislative Drivers:

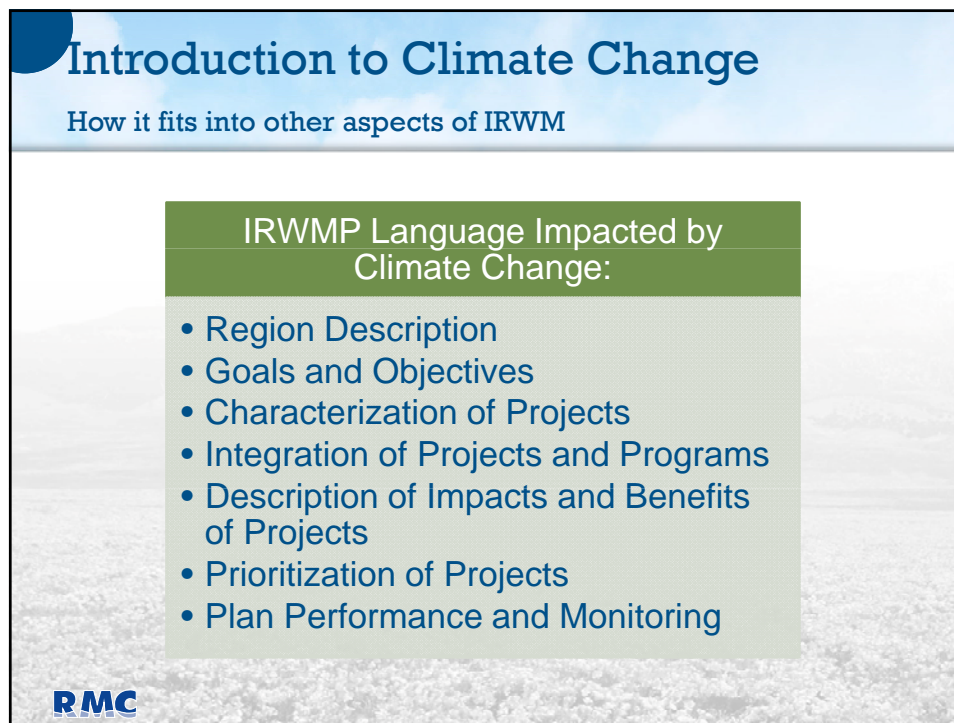
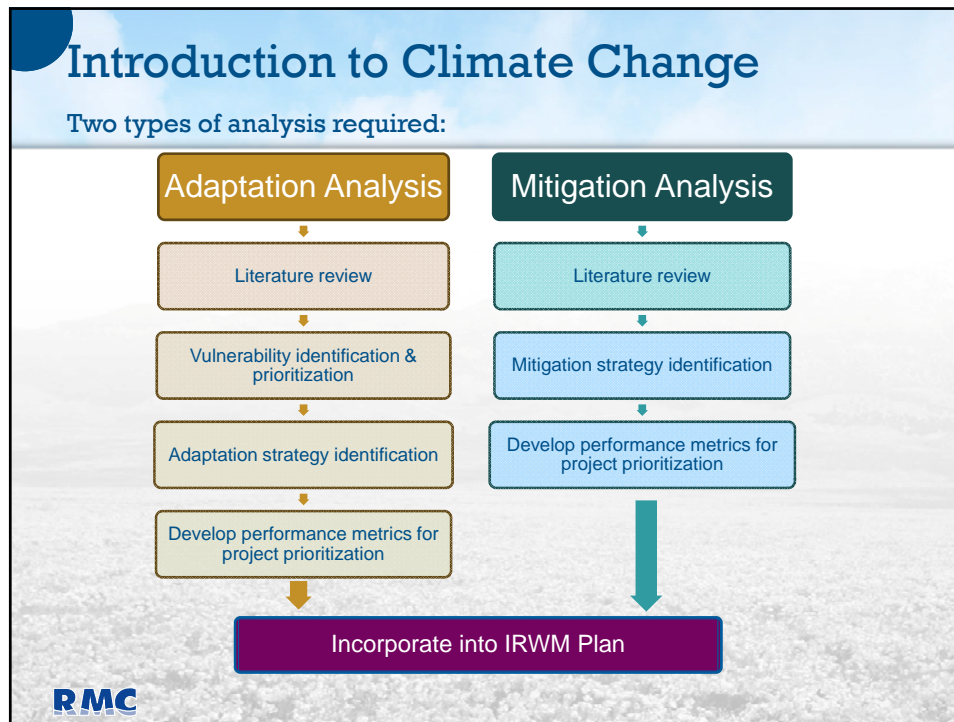
- **EO S-3-05 (2005)**: First executive order to formally establish GHG emissions
- **AB 32 (2006)**: First climate change law. Identifies CARE as the lead agency.
- **SB 97 (2007)**: California's climate change law. Analyzed in CEQA.
- **EO S-13-08 (2008)**: Executive order on sea level rise impact study, assessment, and Adaptation Strategy.
- **CA Ocean Protection Act (2009)**: Identifies vulnerabilities and State funding

Climate Change Handbook for Regional Water Planning

DWR, USEPA, USACE, Resource Legacy Fund

2011

RMC



Introduction to Climate Change

Need to form Climate Change Committee

- Should include cities, counties at a minimum
- Will need help locating existing documents
- Will focus on water-related impacts
- Will need to attend three workshops (2 hrs. ea)
 - Workshop 1 – effects, impacts, vulnerabilities
 - Workshop 2 – strategies for mitigation
 - Workshop 3 – objectives, targets, project selection
- Will include “homework”

RMC

Introduction to Climate Change

Proposed Schedule:

Month	Workshop (2hrs)	Homework
Sep	Workshop 1 (2hrs)	<ul style="list-style-type: none"> • Effects • Impacts • Vulnerability Exercise
Oct	Workshop 2 (2hrs)	<ul style="list-style-type: none"> • CA Water Plan • Strategies Exercise
Nov	Workshop 3 (2hrs)	<ul style="list-style-type: none"> • Objectives • Targets • Project Prioritization

2012

1. IRWM Plan Updates
2. Potential new CC Object. and Targets

RMC

Review IRWMP Goals

“... develop a Plan that will address:”

1. How municipal and industrial (M&I) purveyors can reliably provide the quantity and quality of water that will be demanded by a growing population
2. Options to satisfy agricultural users' demand for reliable irrigation water supplies at reasonable cost; and
3. Opportunities to protect and enhance current water resources (including groundwater) and the other environmental resources within the Antelope Valley Region.



Review IRWMP Objectives

Water Supply Management

- Provide reliable water supply to meet the Antelope Valley Region's expected demand between now and 2035
- Establish a contingency plan to meet water supply needs of the Antelope Valley Region during a plausible disruption of SWP water deliveries
- Stabilize groundwater levels at current conditions

Water Quality Management

- Provide Drinking Water that meets customer expectations
- Protect aquifer from contamination
- Protect natural streams and recharge areas from contamination
- Maximize beneficial use of recycled water

Flood Management

- Reduce negative impacts of stormwater, urban runoff, and nuisance water
- *Potential NEW objectives*

Environmental Resource Management

- Preserve open space and natural habitats that protect and enhance water resources and species in the Antelope Valley Region

Land Use Planning/Management

- Maintain agricultural land use within the Antelope Valley Region
- Meet growing demand for recreational space
- Improve integrated land use planning to support water management



Review IRWMP Objectives

Water Supply Management

- Provide reliable water supply to meet the Antelope Valley Region's expected demand between now and 2035
- Establish a contingency plan to meet water supply needs of the Antelope Valley Region during a plausible disruption of SWP water deliveries
- Stabilize groundwater levels at current conditions

RMC

Review IRWMP Objectives

Water Quality Management

- Provide Drinking Water that meets customer expectations
- Protect aquifer from contamination
- Protect natural streams and recharge areas from contamination
- Maximize beneficial use of recycled water

RMC

Review IRWMP Objectives

Flood Management

- Reduce negative impacts of stormwater, urban runoff, and nuisance water
- *Protect existing beneficial uses of stormwater*
- *Maximize capture of stormwater*

RMC

Review IRWMP Objectives

Environmental Resource Management

- Preserve open space and natural habitats that protect and enhance water resources and species in the Antelope Valley Region

RMC

Review IRWMP Objectives

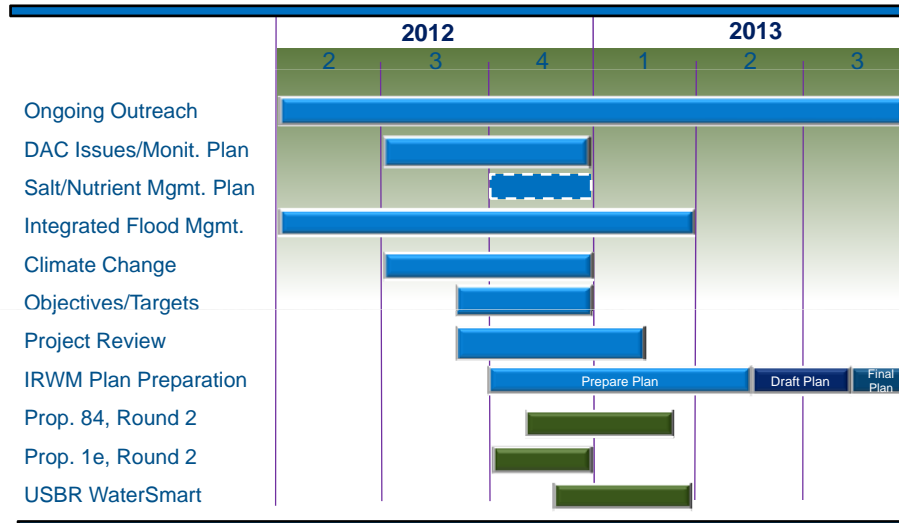
Land Use Planning/Management

- Maintain agricultural land use within the Antelope Valley Region
- Meet growing demand for recreational space
- Improve integrated land use planning to support water management



Overall IRWM Schedule

Tasks



Next Steps:

1. Begin revisions to IRWM Plan language
 1. Section 1 – Introduction
 2. Section 2 – Region Description
 3. Section 3 – Issues and Needs
 4. Section 4 – Objectives (started today)
2. Prepare recommended changes to Planning Targets in Section 4 – next Stakeholder Mtg
3. Convene 1st Climate Change Workshop – Sept.
4. Flood Needs TM & Flood Committee Mtg – Sept./Oct.
5. Stakeholder Mtg No. 4 - Oct.
6. Continue DAC Outreach and other outreach

RMC

Open Discussion/Q&A




Courtesy of Richard Caulkins

RMC

Next Steps - Goals & Objectives

Previous IRWMP Objectives

- **Water Supply Management**
 - Reliable water supply to 2035
 - Contingency plan to meet supply needs during plausible disruption of SWP deliveries
 - Stabilize groundwater levels
- **Water Quality Management**
 - Provide drinking water that meets customer expectations
 - Protect aquifer from contamination
 - Protect natural streams and recharge areas
 - Maximize beneficial use of recycled water
- **Environmental Resource Management**
 - Preserve open space and natural habitats
- **Land Use Planning/Management**
 - Maintain Ag land use
 - Meet growing demand for recreational space
 - Improve integrated land use planning to support water management



Introduction to Climate Change

Proposed Schedule:

Month	Activity
Aug	Lit Review/ Data Collection
Sep	<ul style="list-style-type: none"> (2hr) Review Checklist Wkshop 1 (2hrs) <ul style="list-style-type: none"> •Effects •Impacts •Vulnerability Exercise CA Water Plan & Strategies (2hr) Review Email Material
Oct	<ul style="list-style-type: none"> Wkshop 2 (2hrs) <ul style="list-style-type: none"> •CA Water Plan •Strategies Exercise Obj. & Target Language; PP method (2hr) Review Email Material
Nov	<ul style="list-style-type: none"> Wkshop 3 (2hrs) <ul style="list-style-type: none"> •Objectives •Targets •Project Selection Process
Dec	Draft AV IRWMP Climate Change Text

