

ANTELOPE VALLEY IRWM PLAN

16th Stakeholder Meeting

July 11, 2007

MEETING OBJECTIVES

- ✓ Public Outreach Update
- ✓ Announce release of Public Draft of IRWM Plan
- ✓ Introduce IRWM Draft Highlights Document
- ✓ Present DHS Funding Opportunities
- ✓ Present Status of Prop 50 Step 1 Round 2 Grant Application
- ✓ Discuss Projects Package for Prop 50 Application

PUBLIC OUTREACH



- ✓ **Public Comment Meetings**
 - Palmdale July 10, 7 pm
 - Rosamond July 18, 7 pm
- ✓ **Draft Plan**
 - AVWaterplan.org
 - Listed sites
- ✓ **Comments**
 - Via web form
 - By phone or mail

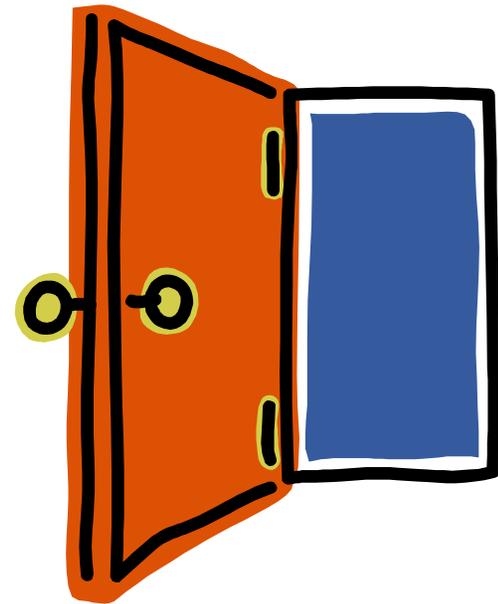
STEPS TO COLLABORATION

1. Adopt **SMART** goals for the process
2. Create a **safe** space for interaction
3. Establish a **clear** course of action
4. Demonstrate tangible **progress**
5. Iterate until group is satisfied



CODE OF CONDUCT

- ✓ 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 my situation



CHECK IN

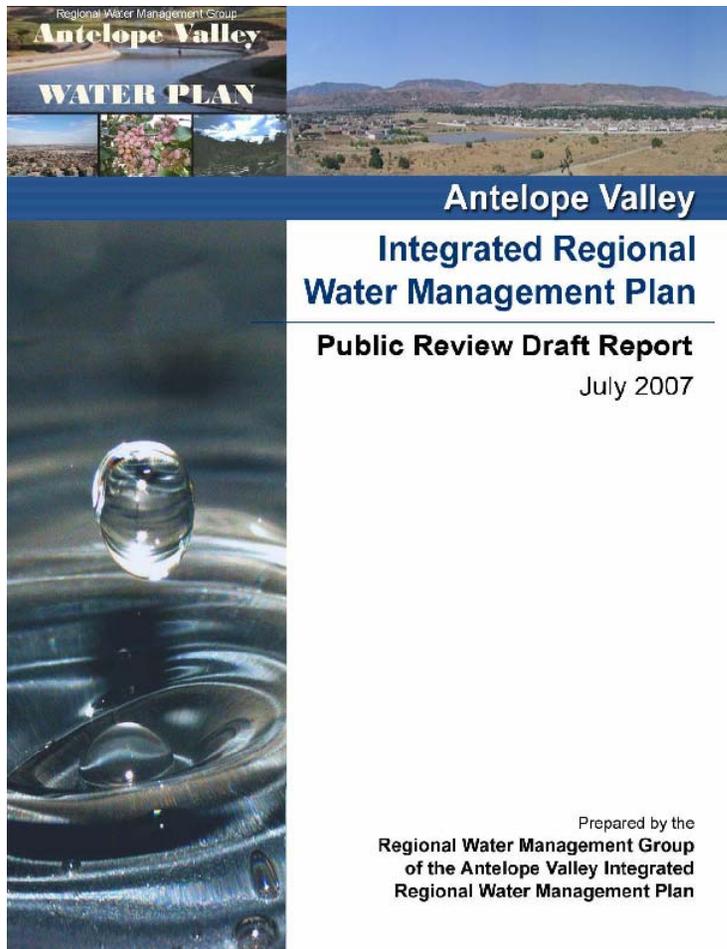
Are there questions from last meeting?



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PUBLIC REVIEW DRAFT



- ✓ **Highlights**
- ✓ Introduction
- ✓ Region Description
- ✓ Issues and Needs
- ✓ Objectives
- ✓ Water Management Strategies
- ✓ Project Integration and Objectives Assessment
- ✓ Projects Evaluation and Prioritization
- ✓ Framework for Implementation
- ✓ References
- ✓ Glossary

Public
Comments Due
August 1st

HIGHLIGHTS



- ✓ Draft Highlights offers key “take-home” messages from larger, more detailed plan
- ✓ Provides context for Plan
- ✓ Describes relationship between Plan and adjudication activities

HIGHLIGHTS

- ✓ Regional Objectives
- ✓ Cooperative Action Required

**TABLE H-1
ANTELOPE VALLEY REGION OBJECTIVES AND PLANNING TARGETS**

Objectives	Planning Targets
Water Supply Management	
Provide reliable water supply to meet the Antelope Valley Region's expected demand between now and 2035.	Reduce (98,400 to 189,100 acre-feet per year) mismatch of expected supply and demand in average years by providing new water supply and reducing demand, starting 2009.
	Provide adequate reserves (50,700 to 60,500 acre-feet per year) to supplement average condition supply to meet demands during single-dry year conditions, starting 2009.
	Provide adequate reserves (0 to 62,400 acre-feet 4-year period) to supplement average condition supply to meet demands during multi-dry year conditions, starting 2009.
Establish a contingency plan to meet water supply needs of the Antelope Valley Region during a plausible disruption of State Water Project water deliveries.	Demonstrate ability to meet regional water demands without receiving SWP water for 6 months over the summer, by June 2010.
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 reuse of wastewater.	
Flood Management	

Historically, water supplies within the Antelope Valley Region have been used primarily for agriculture; however, due to population growth water demands from residential and industrial uses have increased significantly and this trend is expected to continue. The expected continuation of rapid growth in the Antelope Valley Region will affect water demand and increase the threat of water contamination from additional wastewater and urban runoff. More residents will also lead to higher demand for water-based recreation.

Much of the water used within the Antelope Valley Region is extracted from groundwater aquifers. The amount of water pumped within the Antelope Valley Region has varied tremendously since the early 1900's. The U.S. Geological Survey (USGS) estimated that groundwater pumping in 1919 was about 20,000 AFY and reached as high as 400,000 AFY in the 1950's. For many of those years, the amount of water being pumped was greater than the amount of water being replenished by locally occurring precipitation creating an imbalance within the groundwater aquifers. Because the amounts pumped were greater than the amounts being replenished, groundwater levels have declined significantly throughout the Antelope Valley Region. The long-term depletion of aquifers cannot be continued indefinitely without serious consequences. The historical declines in groundwater levels within the Antelope Valley Region have caused permanent damage to aquifers in some areas through land subsidence.

In order to prevent further damage from declining groundwater levels, many water providers and managers within the Antelope Valley Region recognize the need to balance the water being pumped from the aquifers with the water being replenished. In response to this need, a legal process called adjudication is currently underway. If the adjudication process is successful, groundwater users within the Antelope Valley Region will create and abide by a plan to stabilize groundwater levels and prevent further damages that can result from declining groundwater levels. While determining a method to balance groundwater use with the amount of water being replenished is a necessary piece to creating a viable water management strategy within the Antelope Valley Region, the adjudication will do nothing to provide the additional water supplies needed to meet the growing demands within the Antelope Valley Region.



Recognizing the need to identify meaningful actions beyond the adjudication, members of the RWMG and other community participants agreed to focus on actions beyond the adjudication in the IRWM Plan. Participants in developing the IRWM Plan encourage a quick and collaborative settlement of the adjudication process, but the contents of the IRWM Plan identify and recommend actions that go well beyond the adjudication. The actions identified in the Regional Plan can help meet the larger needs of the Antelope Valley Region but will require a solution from the adjudication to stabilize groundwater levels.

DHS FUNDS



- ✓ CDHS announced the release of a new “Universal” Pre-Application for all drinking water program loans and grants
- ✓ Funds available
 - Safe Drinking Water State Revolving Fund: \$80 million annually
 - Prop 50: \$185 million
 - Prop 84: \$240 million
- ✓ Pre-Applications due July 31, 2007 and every spring starting in 2008

REVIEW TEAM

- ✓ **Roles and Responsibilities**
 - Provide a focused review of IRWM Plan with Step 1 Scoring Criteria in mind
- ✓ **Task 1 – Review IRWM Plan**
 - Review Preview Draft IRWM Plan against [Step 1 Scoring Criteria Checklist](#) & provided feedback
- ✓ **Task 2 – Review Attachments 2-5**

REVIEW TEAM

Task 1 (IRWM Plan) Comments

- Better defined AV local culture and values (Section 2.6.2)
- Improved discussion of Environmental Justice Issues (Section 1.2.4.3)
- Improved discussion of Integration (Section 6.3 and 7.4.1.1)
- Added discussions regarding benefits to Energy (Section 7.2.4.1)
- Comment matrix to be posted to website by Friday

REVIEW TEAM

- ✓ **Task 2 (2-5 Attachments) Comments**
 - Comments received from LAC; focused on formatting, consistency, and DAC text
 - Comment matrix to be posted to website by Friday

SCHEDULE

Step 1 Remaining Actions

- Revise application content and Attachments 1 - 5 by July 18
- Stakeholders review grant application materials and submit comments by July 25
- Submit electronic application and hard-copy by August 1 at 5 p.m.

PROP 50 PROJECTS

- ✓ Step 1 requires grant request, local match, and total project budget
- ✓ The group agreed to a preliminary package of projects in May
- ✓ LM-1 has since been removed from the Package leaving a potential opening for another project
- ✓ Cost shares for WQ-1 and WQ-3 have been adjusted

PROP 50 PROJECTS

PACKAGE AS OF MAY 29, 2007

	Project Name	Total Cost (Millions of \$s)	Prop 50 Funding	Local Match	% Match	WS benefits (AFY)
RW-1	Antelope Valley Recycled Water Project Phase 2	\$10.90	\$3.00	\$7.90	72%	16,700
WS-1	Upper Amargosa Creek Recharge, Flood Control & Riparian Habitat Restoration Project	\$13.50	\$3.00	\$10.50	78%	10,000
WC-1	Comprehensive Water Conservation/Water Use Efficiency Program	\$0.90	\$0.63	\$0.27	30%	42,000
WI-2	Littlerock Dam Sediment Removal	\$4.00	\$0.80	\$3.20	80%	1,000
WQ-1	Lancaster Stage V	\$178.60	\$7.50	\$171.10	96%	NA
WQ-3	Palmdale Stage V	\$152.90	\$7.50	\$145.40	95%	NA
RW-2	Groundwater Recharge Using Recycled Water Pilot Project	\$6.00	\$2.00	\$4.00	67%	2,500
LM-1	Amargosa Creek Pathways Phase 2	\$10.00	\$0.50	\$9.50	95%	
	Total Package	\$376.80	\$24.93	\$351.87	93%	72,200

PROP 50 PROJECTS

CURRENT PACKAGE

	Project Name	Total Cost (Millions of \$s)	Prop 50 Funding	Local Match	% Match	WS benefits (AFY)
RW-1	Antelope Valley Recycled Water Project Phase 2	\$10.90	\$3.00	\$7.90	72%	8,400
WS-1	Upper Amargosa Creek Recharge, Flood Control & Riparian Habitat Restoration Project	\$13.50	\$3.00	\$10.50	78%	10,000
WC-1	Comprehensive Water Conservation/Water Use Efficiency Program	\$0.90	\$0.63	\$0.27	30%	42,000
WI-2	Littlerock Dam Sediment Removal	\$4.00	\$0.80	\$3.20	80%	1,000
WQ-1	Lancaster Stage V*	\$74.80	\$7.50	\$67.30	90%	NA
WQ-3	Palmdale Stage V*	\$94.60	\$7.50	\$87.10	92%	NA
RW-2	Groundwater Recharge Using Recycled Water Pilot Project	\$6.00	\$2.00	\$4.00	67%	2,500
LM-1	Amargosa Creek Pathways Phase 2	\$10.00	\$0.50	\$9.50	95%	
	Total Package	\$204.70	\$24.43	\$180.27	88%	63,900

NEXT STEPS

- ✓ Public comments due on August 1
- ✓ Conduct second public meeting
 - Rosamond, July 18 at 7:00 p.m.
- ✓ Submit Prop 50 Step 1 Grant Application
August 1st

NEXT MEETINGS

REVISED SCHEDULE

AVIRWMP Meeting	Date	Time	Purpose
18	8/8	9 - 11:30 a.m.	Governance Structure (with guest Joe Grindstaff, CALFED Director)
19	8/29	9 - 11:30 a.m.	Refine IRWM Plan
20	9/12	9 - 11:30 a.m.	Refine IRWM Plan
	Nov. – Dec.		Public Hearings for Plan Adoption

NEXT AGENDA

- ✓ Discuss more formal governance structure
- ✓ Refine Draft IRWM Plan



ANYTHING ELSE?

