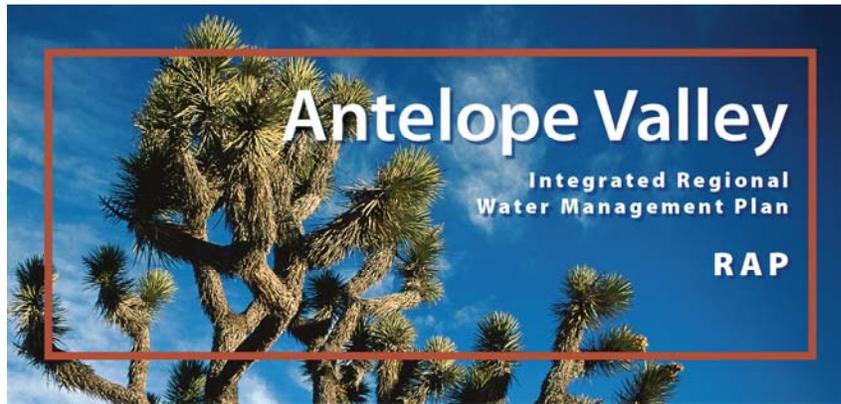


Antelope Valley

Integrated Regional
Water Management Plan

Region Acceptance Process

April 2009



REVIEWER INFORMATION

Ensure that contact information was provided. Is it clear that the submitting agency has been given permission to submit on behalf of the RWMG?

QUESTION	WHAT TO SUBMIT
No. 1	Information on the submitting entity including why the RWMG has selected the entity to submit the RAP materials. Include contact information (name, address, phone, fax, and email) of the person whom DWR should coordinate.

The Advisory Team for the Antelope Valley Integrated Regional Water Management (IRWM) Plan has been designated by the Antelope Valley IRWM Plan Regional Water Management Group (RWMG) to submit this RAP application.

The RWMG was originally formed through a Memorandum of Understanding (MOU) among 11 public agencies for development and implementation of the IRWM Plan. Since the adoption of the IRWM Plan in December of 2007 and January of 2008, an Agreement on the Implementation of the Integrated Regional Water Management Plan (Agreement) among 12 public agencies has been developed to include the implementation roles and responsibilities identified for governance of the IRWM Plan. Both the MOU and the Agreement are provided as an attachment to this Section of the RAP.

The Agreement also establishes the Advisory Team, a team of seven members selected by the Antelope Valley Stakeholder Group to represent categories of water-related interests in the Antelope Valley and assist with implementation of related tasks in the IRWM Plan. The Agreement allows the RWMG to delegate to the members of the Advisory Team tasks including:

- identify grant opportunities for the RWMG or its members to apply for;
- review and edit grant applications submitted by the RWMG; and
- *designate a single point of contact for all AVIRWM efforts.*

Therefore, the Advisory Team is an appropriate entity to submit the RAP materials on behalf of the Antelope Valley RWMG.

Mr. Dave Rydman, member of the Advisory Team, will be the Primary Contact during the RAP process.

Dave Rydman
 Los Angeles County Waterworks Districts
 1000 South Fremont Avenue,
 Alhambra, Building A-9 East, 4th floor
 (626) 300-3351
 DRYDMAN@dpw.lacounty.gov

Implementation Agreement

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (MOU), made and entered into on this 9th day of January by and between the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, Rosamond Community Services District, and Los Angeles County Waterworks District No. 40, Antelope Valley, hereinafter referred to as "DISTRICT," and in the aggregate hereinafter referred to as "parties":

W I T N E S S E T H

WHEREAS, the parties are designated as a "Regional Water Management Group" under the California Water Code Division 6, Part 2.2, known as the *Integrated Regional Water Management Planning Act of 2002*, hereinafter referred to as "ACT"; and

WHEREAS, Section 10531 of the ACT includes the following declarations:

- (a) Water is a valuable natural resource in California and should be managed to ensure the availability of sufficient supplies to meet the State's agricultural, domestic, industrial, and environmental needs. It is the intent of the Legislature to encourage local agencies to work cooperatively to manage their available local and imported water supplies to improve the quality, quantity, and reliability of those supplies.
- (b) Improved coordination among local agencies with responsibilities for managing water supplies and additional study of groundwater resources are necessary to maximize the quality and quantity of water available to meet the State's agricultural, domestic, industrial, and environmental needs.
- (c) The implementation of the Integrated Regional Water Management Planning Act of 2002 will facilitate the development of integrated regional water management plans, thereby maximizing the quality and quantity of water available to meet the State's water needs by providing a framework for local agencies to integrate programs and projects that protect and enhance regional water supplies.

WHEREAS, Section 10537 of the ACT states that "Regional Water Management Group" means a group in which three or more local public agencies, at least two of which have statutory authority over water supply, 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 public agencies; and

WHEREAS, under the ACT, the parties propose to collaboratively prepare an Integrated Regional Water Management Plan for the Antelope Valley, hereinafter referred to as "PLAN," as set forth in this MOU; and

WHEREAS, the study area for the PLAN includes all, or a portion of, the service areas of the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, Rosamond Community Services District, and DISTRICT within the Antelope Valley; and

WHEREAS, the DISTRICT is willing to administer a contract ("CONTRACT") to engage a third-party consultant ("CONSULTANT") to prepare the PLAN, including preparation of a request for proposals, evaluation of CONSULTANT proposals, award of the CONTRACT, and general oversight of the CONTRACT; and

WHEREAS, the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District are willing to provide the CONSULTANT with the necessary data to prepare the PLAN and to review and comment on the draft versions of the PLAN; and

WHEREAS, the "CONSULTANT COSTS" for preparation of the PLAN consist of all amounts paid to the CONSULTANT upon completion of the PLAN; and

WHEREAS, the CONSULTANT COSTS are currently estimated to amount to \$325,000 with DISTRICT'S share being \$60,000, Antelope Valley-East Kern Water Agency's share being \$50,000, Palmdale Water District's share being \$60,000, Quartz Hill Water District's share being \$5,000, Littlerock Creek Irrigation District's share being \$5,000, City of Palmdale's share being \$50,000, City of Lancaster's share being \$45,000, County Sanitation District No. 14 of Los Angeles County's share being \$22,500, County Sanitation District No. 20 of Los Angeles County's share being \$22,500, and Rosamond Community Services District's share being \$5,000, and

100 percent*

WHEREAS, the FINAL PLAN is defined to be the version of the PLAN that is deemed ready for adoption by ~~50 percent~~ of the representatives from the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District, where each agency has one representative.

*Exception taken per AVEK Board action on January 09, 2007.

WHEREAS, the ADOPTED PLAN is defined to be the version of the PLAN that is adopted by the governing bodies of at least three or more member agencies to the Regional Water Management Group, two of which have statutory authority over water supply, as evidenced by resolutions substantially similar to the sample included as Exhibit A.

NOW, THEREFORE, in consideration of the mutual benefits to be derived by the parties and of the promises herein contained, it is hereby agreed as follows:

(1) ANTELOPE VALLEY-EAST KERN WATER AGENCY AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or Antelope Valley-East Kern Water Agency's comments may not be incorporated in the FINAL PLAN.
- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- d. To provide a contribution in the amount of \$50,000 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.
- e. To deposit the contribution in the amount of \$50,000 with the DISTRICT within thirty (30) calendar days of execution of this MOU.
- f. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(2) PALMDALE WATER DISTRICT AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or Palmdale Water District's comments may not be incorporated in the FINAL PLAN.
- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- d. To provide a contribution in the amount of \$60,000 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.
- e. To deposit the contribution in the amount of \$60,000 with the DISTRICT within thirty (30) calendar days of execution of this MOU.
- f. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(3) QUARTZ HILL WATER DISTRICT AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or Quartz Hill Water District's comments may not be incorporated in the FINAL PLAN.

- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- d. To provide a contribution in the amount of \$5,000 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.
- e. To deposit the contribution in the amount of \$5,000 with the DISTRICT within thirty (30) calendar days of execution of this MOU.
- f. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(4) LITTLEROCK CREEK IRRIGATION DISTRICT AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or Littlerock Creek Irrigation District's comments may not be incorporated in the FINAL PLAN.
- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- d. To provide a contribution in the amount of \$5,000 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.
- e. To deposit the contribution in the amount of \$5,000 with the DISTRICT within thirty (30) calendar days of execution of this MOU.

- f. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(5) ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or Antelope Valley State Water Contractors Association's comments may not be incorporated in the FINAL PLAN.
- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- d. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(6) CITY OF PALMDALE AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or City of Palmdale's comments may not be incorporated in the FINAL PLAN.
- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.

- d. To provide a contribution in the amount of \$50,000 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Cit of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.
- e. To deposit the contribution in the amount of \$50,000 with the DISTRICT within thirty (30) calendar days of execution of this MOU.
- f. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(7) CITY OF LANCASTER AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or City of Lancaster's comments may not be incorporated in the FINAL PLAN.
- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- d. To provide a contribution in the amount of \$45,000 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.
- e. To deposit the contribution in the amount of \$45,000 with the DISTRICT within thirty (30) calendar days of execution of this MOU.
- f. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(8) COUNTY SANITATION DISTRICT NO. 14 OF LOS ANGELES COUNTY AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or County Sanitation District No. 14 of Los Angeles County's comments may not be incorporated in the FINAL PLAN.
- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- d. To provide a contribution in the amount of \$22,500 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.
- e. To deposit the contribution in the amount of \$22,500 with the DISTRICT within thirty (30) calendar days of execution of this MOU.
- f. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(9) COUNTY SANITATION DISTRICT NO. 20 OF LOS ANGELES COUNTY AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or County Sanitation District

No. 20 of Los Angeles County's comments may not be incorporated in the FINAL PLAN.

- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- d. To provide a contribution in the amount of \$22,500 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.
- e. To deposit the contribution in the amount of \$22,500 with the DISTRICT within thirty (30) calendar days of execution of this MOU.
- f. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(10) ROSAMOND COMMUNITY SERVICES DISTRICT AGREES:

- a. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- b. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or Rosamond Community Services District's comments may not be incorporated in the FINAL PLAN.
- c. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- d. To provide a contribution in the amount of \$5,000 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.

- e. To deposit the contribution in the amount of \$5,000 with the DISTRICT within thirty (30) calendar days of execution of this MOU.
- f. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(11) DISTRICT AGREES:

- a. To administer a CONSULTANT CONTRACT for the PLAN, including preparation of a request for proposals, evaluation of CONSULTANT proposals, award of a CONSULTANT CONTRACT, and oversight of the CONSULTANT services.
- b. To facilitate stakeholder meetings.
- c. To provide and share all necessary and relevant information, data, studies, and/or documentation for the PLAN in its possession as may be requested by the CONSULTANT within thirty (30) calendar days of the request by the CONSULTANT or such information and data, should it be provided at a later date, may not be incorporated in the PLAN due to time constraints.
- d. To provide each agency with copies of the draft and final versions of technical reports and the draft PLAN within seven (7) calendar days from the date of receipt of said documents from the CONSULTANT, and to transmit comments to the CONSULTANT within seven (7) calendar days from the date of receipt of said documents from each agency.
- e. To review and comment on the draft and final versions of technical reports and the draft PLAN within twenty-one (21) calendar days from the date of receipt of said documents from the DISTRICT or DISTRICT's comments may not be incorporated in the PLAN.
- f. To present the FINAL PLAN to its governing body for consideration and adoption within forty-five (45) calendar days from the date of receipt of the FINAL PLAN.
- g. To provide a contribution in the amount of \$60,000 towards the CONSULTANT COSTS collectively shared by the DISTRICT, Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.

- h. To prepare, review, and approve future grant applications for implementation of the ADOPTED PLAN.

(12) IT IS MUTUALLY UNDERSTOOD AND AGREED AS FOLLOWS:

- a. If the governing body of the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, Rosamond Community Services District or DISTRICT does not adopt the PLAN within forty-five (45) calendar days from the date of receipt of the FINAL PLAN, such action or inaction shall constitute withdrawal from the Regional Water Management Group. An agency which withdraws from the Regional Water Management Group may be reinstated when the agency adopts the FINAL PLAN and agrees to any additions and/or amendments to the MOU.
- b. Upon completion of the ADOPTED PLAN, the DISTRICT shall prepare a final accounting (the "Accounting") of all final actual CONSULTANT COSTS for review by the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District.
- c. If the funds deposited with the DISTRICT exceed the CONSULTANT COSTS, based upon the Accounting, the DISTRICT shall refund the excess funds to the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District in proportion to their contribution towards the CONSULTANT COSTS within sixty (60) days after completion of the PLAN.
- d. If the CONSULTANT COSTS exceed the funds deposited with the DISTRICT, ~~the Antelope Valley-East Kern Water Agency~~, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, and Rosamond Community Services District will supplement this MOU to fund the additional portion of the CONSULTANT COSTS in excess of the funds deposited with the DISTRICT in proportion to their original contributions towards the CONSULTANT COSTS.

*Exception taken per AVEK Board action on January 09, 2007.

- e. This MOU may be amended or modified only by mutual written consent of all parties.
- f. The Regional Water Management Group shall terminate twenty (20) years after the date of execution unless renewed by mutual written consent from all parties prior to expiration.
- g. All parties agree to release the DISTRICT of any liability and in connection with all claims arising out of this MOU, including relating to the CONTRACT with the CONSULTANT, and including in connection with any and all claims by third parties relating to the CONSULTANT's work under the CONTRACT and/or any violation or alleged violation of the ACT as a result thereof, including pursuant to Civil Code Section 1542, which states:

"A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor."

- h. Notwithstanding the foregoing and notwithstanding any provision of law, including as contained in the California Government Code, and including Sections 895 *et. seq.*, therein, any and all liability or expenses (including attorneys' and experts' fees and related costs) to the DISTRICT for claims by third parties or CONSULTANT and injury to third parties or CONSULTANT, arising from or relating to this MOU shall be allocated among the parties on the basis of the percent of contribution required of each party under this MOU. As an example only, the percentage of contribution of Antelope Valley-East Kern Water Agency is 15 percent. Each party shall reimburse the DISTRICT for its allocated share of the costs described herein within thirty (30) calendar days of issuance of an invoice by the DISTRICT. The term "injury" shall have the meaning prescribed by Section 810.8 of the Government Code. This provision shall survive termination of this Agreement.
- i. If any provision of this MOU is held, determined or adjudicated to be illegal, void, or unenforceable by a court of competent jurisdiction, the remainder of this MOU shall be given effect to the fullest extent possible.
- j. Any correspondence, communication, or contact concerning this MOU shall be directed to the following:

ANTELOPE VALLEY-EAST KERN WATER AGENCY:

Mr. Russell E. Fuller
General Manager
6500 West Avenue N
Palmdale, CA 93551

PALMDALE WATER DISTRICT:

Mr. Dennis LaMoreaux
General Manager
2029 East Avenue Q
Palmdale, CA 93550

QUARTZ HILL WATER DISTRICT:

Mr. Dave Meraz
General Manager
42141 50th Street West
Quartz Hill, CA 93536

LITTLEROCK CREEK IRRIGATION DISTRICT:

Mr. Brad Bones
General Manager
35141 North 87th Street East
Little Rock, CA 93543

ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION:

Ms. Barbara Hogan
Chairperson
c/o Palmdale Water District
2029 East Avenue Q
Palmdale, CA 93550

CITY OF PALMDALE:

Mr. Leon Swain
Public Works Director
38250 Sierra Highway
Palmdale, CA 93550

CITY OF LANCASTER:

Mr. Randy Williams
Public Works Director
44933 Fern Avenue
Lancaster, CA 93534

COUNTY SANITATION DISTRICT NO. 14 OF LOS ANGELES COUNTY:

Mr. James F. Stahl
Chief Engineer and General Manager
County Sanitation Districts of Los Angeles County
1955 Workman Mill Road
Whittier, CA 90601

COUNTY SANITATION DISTRICT NO. 20 OF LOS ANGELES COUNTY:

Mr. James F. Stahl
Chief Engineer and General Manager
County Sanitation Districts of Los Angeles County
1955 Workman Mill Road
Whittier, CA 90601

ROSAMOND COMMUNITY SERVICES DISTRICT:

Mr. Claud Seal
Assistant General Manager
3179 35th Street
Rosamond, CA 93560

DISTRICT:

Mr. Manuel del Real
Assistant Deputy Director
Waterworks & Sewer Maintenance Division
County of Los Angeles
Department of Public Works
P.O. Box 1460
Alhambra, CA 91802-1460

- k. Each person signing this MOU represents to have the necessary power and authority to bind the entity on behalf of which said person is signing and each of the other parties can rely on that representation.
- l. This MOU may be executed in counterparts, each counterpart being an integral part of this MOU.

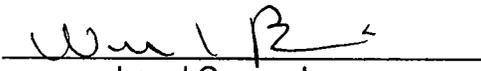
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IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by ANTELOPE VALLEY-EAST KERN WATER AGENCY; and

ANTELOPE VALLEY-EAST KERN
WATER AGENCY

By 

APPROVED AS TO FORM:

By 
Legal Counsel

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by Palmdale Water District; and

Palmdale Water District

By *Christina LaMuniz*
General Manager

APPROVED AS TO FORM:

By *Hans Sanchez*
Legal Counsel

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by Quartz Hill Water District; and

Tier No. 3 Level of
Contribution - \$5000.00

Quartz Hill Water District

By Dave Meraz
Dave Meraz,
General Manager

APPROVED AS TO FORM:

By Brad Weeks
Legal Counsel
Brad Weeks, Esq.

By: Allen D. Flick Sr.
Allen Flick, Sr.
Quartz Hill Water District
Board President

Approved at the Regular Board
Meeting, held on Thurs.,
September 14, 2006.

Attested
By: Denise E. Burks
Denise Burks,
Board Secretary

Carried: 4-0

Ayes: P. Powell, J. Powell, A. Flick,
F. Tymon

Noes: ∅

Abstained: ∅

Absent: Ben Harrison, Jr.
Passed on 8-7-06

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by Littlerock Creek Irrigation District; and

Littlerock Creek Irrigation District

By Brad Bones
Brad Bones, General Manager

APPROVED AS TO FORM:

By _____
Legal Counsel

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION; and

ANTELOPE VALLEY STATE WATER
CONTRACTORS ASSOCIATION

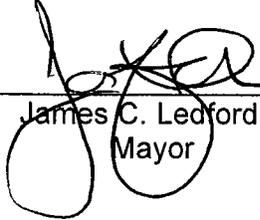
By Barbara Hogan
Barbara Hogan

APPROVED AS TO FORM:

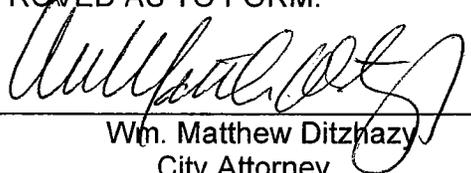
By Wayne Sumner
Legal Counsel

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by City of Palmdale; and

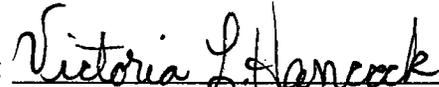
City of Palmdale

By  _____
James C. Ledford
Mayor

APPROVED AS TO FORM:

By  _____
Wm. Matthew Ditzhazy
City Attorney

Attest:

By:  _____
Victoria L. Hancock, CMC
City Clerk

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by CITY OF LANCASTER; and

APPROVED BY DEPT. HEAD



CITY OF LANCASTER

By



Bishop Henry W. Hearn
Mayor

APPROVED AS TO FORM:

By



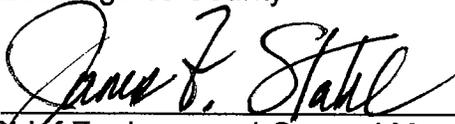
Legal Counsel

Attest:

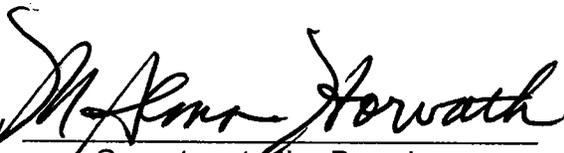

City Clerk

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by County Sanitation District No. 14 of Los Angeles; and

County Sanitation District No. 14
of Los Angeles County

By 
Chief Engineer and General Manager

ATTEST:

By 
Secretary to the Board

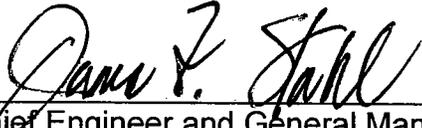
APPROVED AS TO FORM:

Lewis, Brisbois, Bisgaard, and Smith LLP

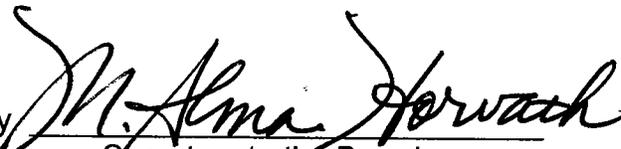
By 
District Counsel

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by County Sanitation District No. 20 of Los Angeles; and

County Sanitation District No. 20
of Los Angeles County

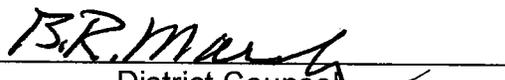
By 
Chief Engineer and General Manager

ATTEST:

By 
Secretary to the Board

APPROVED AS TO FORM:

Lewis, Brisbois, Bisgaard, and Smith LLP

By 
District Counsel

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by ROSAMOND COMMUNITY SERVICES DISTRICT; and

ROSAMOND COMMUNITY
SERVICES DISTRICT

By 

APPROVED AS TO FORM:

By 
Legal Counsel

IN WITNESS WHEREOF, the parties hereto have caused this MOU to be executed by their respective officers, duly authorized, by DISTRICT.

DISTRICT:

LOS ANGELES COUNTY
WATERWORKS DISTRICT NO. 40

By Dean D. Ephraim
for Director of Public Works

APPROVED AS TO FORM:

RAYMOND G. FORTNER, JR.
County Counsel

By Michael L. Moore
Deputy

**RESOLUTION OF THE *[governing body of agency]*,
ADOPTING THE INTEGRATED REGIONAL WATER MANAGEMENT PLAN
FOR THE ANTELOPE VALLEY**

WHEREAS, the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, Rosamond Community Services District, and Los Angeles County Waterworks District No. 40, Antelope Valley are designated as a "Regional Water Management Group" under the California Water Code Division 6, Part 2.2, known as the *Integrated Regional Water Management Planning Act of 2002*, hereinafter referred to as "ACT"; and

WHEREAS, under the ACT, the parties collaboratively prepared an Integrated Regional Water Management Plan for the Antelope Valley that meets the requirements of the ACT, hereinafter referred to as "PLAN"; and

WHEREAS, Section 10531 of the ACT includes the following declarations:

- (d) Water is a valuable natural resource in California, and should be managed to ensure the availability of sufficient supplies to meet the state's agricultural, domestic, industrial, and environmental needs. It is the intent of the Legislature to encourage local agencies to work cooperatively to manage their available local and imported water supplies to improve the quality, quantity, and reliability of those supplies.
- (e) Improved coordination among local agencies with responsibilities for managing water supplies and additional study of groundwater resources are necessary to maximize the quality and quantity of water available to meet the state's agricultural, domestic, industrial, and environmental needs.
- (f) The implementation of the Integrated Regional Water Management Planning Act of 2002 will facilitate the development of integrated regional water management plans, thereby maximizing the quality and quantity of water available to meet the state's water needs by providing a framework for local agencies to integrate programs and projects that protect and enhance regional water supplies.

WHEREAS, the adoption of the PLAN will allow the Antelope Valley Region to compete for State grant funding available under Proposition 50, proposed Proposition 84, and other future State and/or Federal grant programs.

NOW, THEREFORE, BE IT RESOLVED, that the *[governing body of agency]*, hereby adopts the PLAN.

The foregoing Resolution was adopted on the ___ day of _____, 2007, by the
[governing body of agency], as the governing body of the *[agency]*.

By _____

APPROVED AS TO FORM:

By _____
Legal Counsel

AGREEMENT ON THE IMPLEMENTATION OF THE INTEGRATED REGIONAL WATER MANAGEMENT PLAN

THIS AGREEMENT is made and entered into as of this 7th day of APRIL, 2009 by and between the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, ("Association"), City of Palmdale, City of Lancaster, County of Los Angeles, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, Rosamond Community Services District, and Los Angeles County Waterworks District No. 40, Antelope Valley, (collectively, the "parties"):

RECITALS

- A. On or about January 9, 2007, the parties entered into a Memorandum of Understanding for Integrated Regional Water Management Planning and Implementation ("MOU") under the California Water Code Division 6, Part 2.2, known as the *Integrated Regional Water Management Planning Act of 2002* (the "Act").
- B. The parties desire to engage the various stakeholder interests throughout the Antelope Valley in implementing the Integrated Regional Water Management Plan (IRWMP) through broad facilitated agreement.
- C. The parties desire to obtain grant or other funding to supplement the costs of implementing the IRWMP.

NOW, THEREFORE, the parties agree as follows:

1. The parties to this Agreement shall be known as and referred to as the Regional Water Management Group (RWMG). If approved by all parties, new entities may join the RWMG by adopting the IRWMP, executing this Agreement, agreeing to be bound by the terms hereof, and payment of such reasonable sums as the existing RWMG members shall determine.
2. Entities that are not members of the RWMG may contribute funding or in-kind services to support the activities of the RWMG without becoming signatories to this Agreement.
3. Each party shall designate a representative and an alternate to attend meetings, work with representatives of the other parties and to formulate

proposed actions by the RWMG. Any party may change designated representatives by notification to the other parties.

4. Representatives of the RWMG shall do the following:
 - a) Designate a person to serve as the central point of contact for the representatives of the RWMG and as chairperson at any meetings.
 - b) Hold public meetings for interested members of the public to meet, share ideas and discuss actions taken by the parties to implement the IRWMP. These meetings will be referred to as Stakeholder Meetings and people who attend these meetings may be referred to as the Stakeholder Group. The Stakeholder Group will be encouraged to participate in Stakeholder Meetings, advocate for regional projects, and disseminate information from the Stakeholders Meetings to the general public. In order to maintain effective meetings, the Stakeholder Group will follow a Code of Conduct at the Stakeholder Meetings to:
 - i. Participate fully.
 - ii. Treat others with dignity and respect.
 - iii. Consider new ideas and perspectives.
 - iv. Share accurate facts.
 - c) Promote regional cooperation among its members to implement the IRWMP.
 - d) Gather, compile, and manage data, as defined in the IRWMP.
 - e) Develop proposals for the voluntary funding of cooperative efforts to implement the IRWMP. The ideas and suggestions of the Stakeholder Group shall be considered in the development of such proposals.
 - f) Develop a list of short-term implementation objectives. The ideas and suggestions of the Stakeholder Group shall be considered in the development of such implementation objectives.
 - g) Prepare and/or disseminate to the RWMG progress reports and proposed updates to the IRWMP. This task may be delegated to the Advisory Team as defined below.
 - h) Identify and recommend to the governing bodies of the parties that applications be submitted for appropriate funding opportunities.
5. The parties shall designate one party, the Association, to solicit and administer one or more contracts ("Contracts"), with one or more third-party

consultants, to assist the RWMG to promote collaboration between members of the RWMG and other stakeholders during implementation of the Plan, prepare grant applications, update the IRWMP, and manage data collected consistent with the IRWMP on behalf of the RWMG. Any contract recommended by the Association shall be subject to the written approval of each party.

6. The parties shall establish a seven-member Advisory Team to the RWMG selected by the Stakeholder Group in the following manner:

a) The Stakeholder Group shall select seven members according to the following categories for staggered three-year terms¹.

- i. Agriculture (2010)
- ii. Conservation, Environmental, and Water Quality (2011)
- iii. Industry and Commerce (2009)
- iv. Municipalities (2010)
- v. Mutual Water Companies (2011)
- vi. Public/Land Owners/Rural Town Councils (2009)
- vii. Urban Water Suppliers (2010)

b) Nominations for each category can be made by any member of the Stakeholder Group and must be made during a Stakeholder Meeting.

c) If the person nominated is willing to serve on the Advisory Team as described, that person will be considered as a potential member by the Stakeholder Group.

d) Nominations for each open category will be discussed by the Stakeholder Group during a Stakeholder Meeting. If more than one qualified nomination is made per category, the Stakeholder Group shall choose one team member per category. Selections will be made by consensus. If a selection cannot be made by consensus, a selection will be made based on simple majority vote of the members at a meeting. Each Stakeholder Group member present may cast one vote per category.

e) If an Advisory Team position becomes vacant before the regularly-scheduled reselection year, the same selection process described in this section will be used to select a replacement.

¹ Members for each category will be reselected in the year shown and every three years thereafter.

- f) Advisory Team members may not designate an alternate.
 - g) Members of the Advisory Team shall use their best efforts to make decisions by consensus. If a consensus cannot be reached on a particular matter, a simple majority vote of the members present at a meeting at which a quorum is present will be sufficient to take action. A quorum shall be half the number of members plus one.
 - h) If the Stakeholder Group is not satisfied with the performance of one or more Advisory Team members, one or more members of the Stakeholder Group can request that the RWMG conduct a new nomination and selection cycle for the category (or categories) involved.
7. The parties will delegate the following tasks to the Advisory Team:
- a) Schedule and facilitate Stakeholder Meetings
 - b) Draft agendas and prepare minutes for the Stakeholder Meetings
 - c) Distribute information to the Stakeholder Group
 - d) Develop a list of short-term implementation objectives for consideration and approval by the RWMG and Stakeholder Group.
 - e) Maintain a list of long-term implementation objectives for the RWMG to address and update at Stakeholder Meetings.
 - f) Recommend an annual scope and budget to the RWMG
 - g) Maintain the AVIRWMP website
 - h) Identify grant opportunities for the RWMG or its members to apply for
 - i) Review and edit grant applications submitted by the RWMG
 - j) Designate a single point of contact for all AVIRWM efforts
 - k) Recommend options to the RWMG to consider for establishing a long-term governance structure for integrated regional water management in the Antelope Valley
8. The parties shall designate a lead applicant for the RWMG for grant programs that require regional collaboration to contract with and receive funds from the granting agency, invoice the granting agency, fulfill the administrative responsibilities of the grant contract, and distribute the funds received from the granting agency to the specific project sponsors, subject to the written approval of each party. A party's (or parties') failure to approve a grant

application shall not prevent other parties from seeking that grant application on their own behalf.

9. Each party shall provide and share with other parties, all necessary and relevant information, data, studies, and/or documentation in its possession as necessary to further the purposes of this Agreement. To the extent allowed by law, the parties may enter into confidentiality agreements to maintain the confidentiality of any documents that are exempt from disclosure under the California Public Records Act or otherwise privileged and confidential.
10. Each party shall review and comment on draft and final versions of technical reports, grant applications, and revisions or addendums to the IRWMP within twenty-one (21) calendar days from the date of receipt of those documents from their representative.
11. Each party shall consider for adoption final versions of IRWMP revisions or addendums within forty-five (45) calendar days from the date of receipt of the document.
12. Consistent with their powers and purposes, each party shall work together in a spirit of cooperation, collaboration, and mutual respect, with the overall goal of bringing the highest possible benefit for the Antelope Valley as a hydrologic region.
13. This Agreement shall be executed in duplicate originals, one for each Party, each of which duplicate original shall be deemed to be an original, but all of which shall constitute one and the same agreement.

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by ANTELOPE VALLEY-EAST KERN WATER AGENCY;

ANTELOPE VALLEY-EAST KERN WATER AGENCY

BY 

APPROVED AS TO FORM:

By 
Legal Counsel

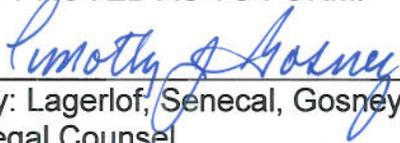
IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by Palmdale Water District;

PALMDALE WATER DISTRICT



By: Jeff A. Storm, President
Board of Directors

APPROVED AS TO FORM:



By: Lagerlof, Senecal, Gosney & Kruse, LLP
Legal Counsel

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by Quartz Hill Water District;

QUARTZ HILL WATER DISTRICT



By: Allen Flick, Sr.
Board President

APPROVED AS TO FORM:



By: Brad Weeks, Esq.,
Legal Counsel

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by Littlerock Creek Irrigation District;

LITTLEROCK CREEK IRRIGATION DISTRICT

By: B. J. Jones

APPROVED AS TO FORM:

By
Legal Counsel

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION;

**ANTELOPE VALLEY STATE WATER
CONTRACTORS ASSOCIATION**



By:

APPROVED AS TO FORM:



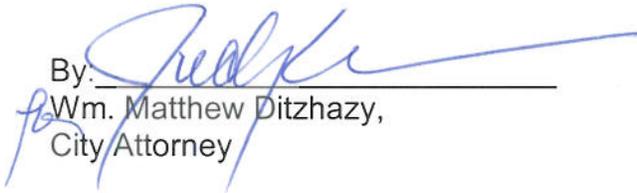
By:
Legal Counsel

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by City of Palmdale;

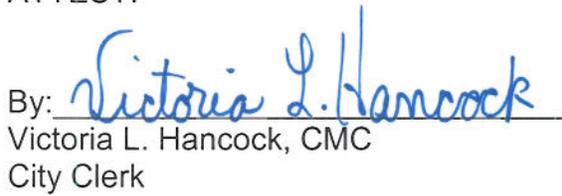
CITY OF PALMDALE

By: 
James C. Ledford, Jr.
Mayor

APPROVED AS TO FORM:

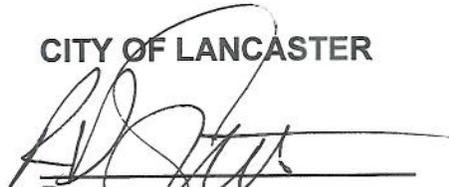
By: 
Wm. Matthew Ditzhazy,
City Attorney

ATTEST:

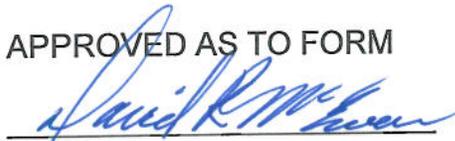
By: 
Victoria L. Hancock, CMC
City Clerk

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by CITY OF LANCASTER;

CITY OF LANCASTER


By: Ronald D. Smith
Vice Mayor

APPROVED AS TO FORM

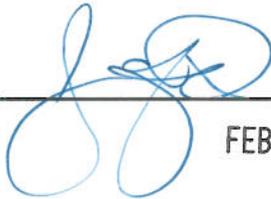

By: David R. McEwen
City Attorney

Attest:


City Clerk Geri K. Bryan, CMC
City Clerk

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by County Sanitation District No. 14 of Los Angeles;

**COUNTY SANITATION DISTRICT NO. 14
OF LOS ANGELES COUNTY**

By:  _____
FEB 25 2009

ATTEST:

 _____
By:

APPROVED AS TO FORM:

 _____
By: Lewis, Brisbois, Bisgaard, and Smith LLP
District Counsel

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by County Sanitation District No. 20 of Los Angeles;

**COUNTY SANITATION DISTRICT NO. 20
OF LOS ANGELES**

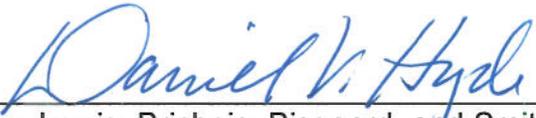


FEB 25 2009

ATTEST:



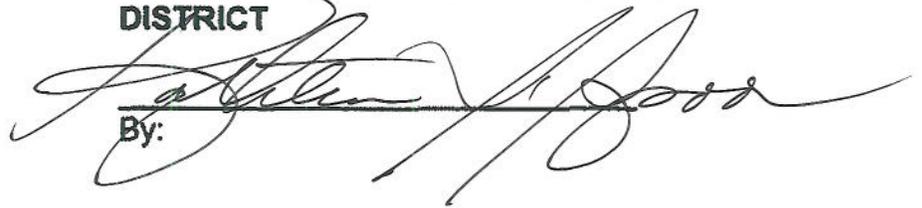
APPROVED AS TO FORM:



By: Lewis, Brisbois, Bisgaard, and Smith LLP
District Counsel

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by ROSAMOND COMMUNITY SERVICES DISTRICT;

**ROSAMOND COMMUNITY SERVICES
DISTRICT**

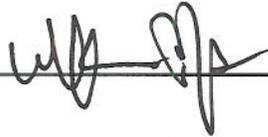

By: _____

APPROVED AS TO FORM:


By: _____

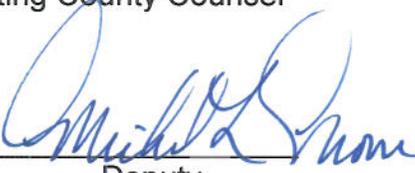
IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by COUNTY OF LOS ANGELES:

COUNTY OF LOS ANGELES

By  _____

APPROVED AS TO FORM:

ROBERT E. KALUNIAN
Acting County Counsel

By  _____
Deputy

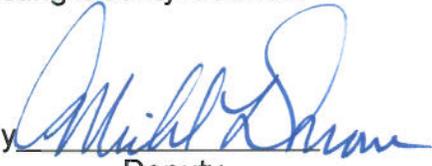
IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by DISTRICT DISTRICT:

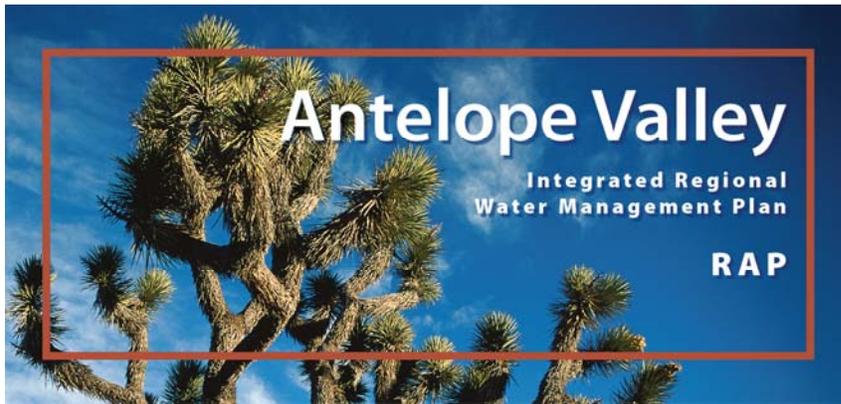
**LOS ANGELES COUNTY WATERWORKS
DISTRICT NO. 40**


By _____

APPROVED AS TO FORM:

ROBERT E. KALUNIAN
Acting County Counsel

By 
Deputy



REVIEWER INFORMATION

Does the submittal list and discuss the role of the RWMG members and water management stakeholders that have agreed to participate in this process? Have the necessary RWMG members indicated they have adopted or will adopt the completed IRWM plan?

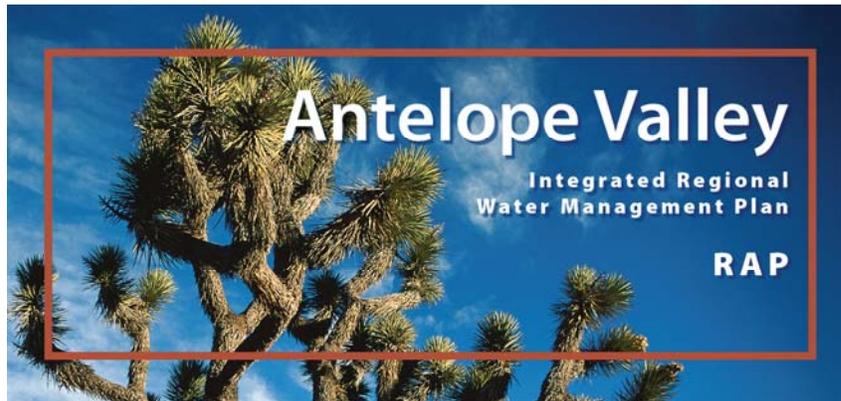
Is a listing of all local agencies within the regional boundary with statutory authority over water supply, water quality, water management, or flood protection provided?

Do the RWMG members identified represent the majority of the water management authorities and stakeholders within the region boundary? Are there any other entities known to have an interest in the area that have not been listed? Do you understand for each member whether they have statutory authority over water management, their participation in IRWM planning and implementation, and their local and regional interests in water management and planning?

Do the members and groups appear to have good working relationships? Do they exchange information on water management issues? Do they share any facilities or infrastructure? Are there any competing interests or conflicting policies among the members that may affect integrated water planning and management?

For developing regions, does the submittal demonstrate that the RWMG has identified and understand the full range of anticipated participants including DACs and stakeholders? A thorough description of these efforts should be provided as well as a plan and schedule on how this process will be developed and accomplished.

QUESTION	WHAT TO SUBMIT
No. 2a	<p>A description of the composition of the RWMG. Identify RWMG members, including their role in the RWMG process, regional water management responsibilities, and the level of IRWM participation. For each entity, state if they have adopted, plan to adopt, or will not adopt the IRWM plan.</p> <p>A listing of the local agencies within this region with statutory authority over water supply or water management, and provide the basis and nature of that statutory authority even if they are not part of the RWMG. For the purposes of this document “statutory authority over water supply or water management” may include, but is not limited to, water supply, water quality management, wastewater treatment, flood management/control, or storm water management.</p>

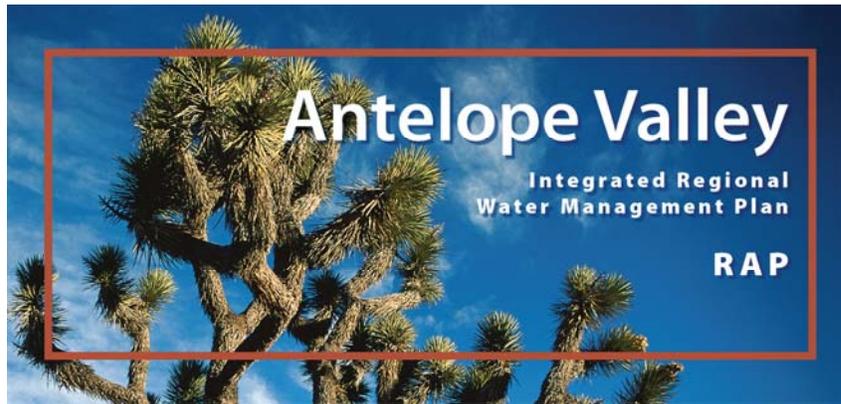


Antelope Valley IRWMP Regional Water Management Group

The Antelope Valley Integrated Regional Water Management (IRWM) Plan Regional Water Management Group (RWMG) was originally formed through a Memorandum of Understanding (MOU) that prescribed the preliminary roles and responsibilities for the RWMG including complying with the IRWMP sections of the Water Code. The RWMG agreed to contribute funds to help develop this IRWM Plan, provide and share information, review and comment on drafts of this IRWM Plan, and adopt the final IRWM Plan. Since the adoption of the IRWM Plan in December of 2007 and January of 2008, an Agreement on the Implementation of the Integrated Regional Water Management Plan (Agreement) among the RWMG has been developed to include the implementation roles and responsibilities identified for governance of the IRWM Plan. Both the MOU and the Agreement are provided as an attachment to Section 1 of this RAP. A copy of each RWMG member's signed resolution documenting formal adoption of the Final IRWM Plan is provided as attachment to this Section of the RAP.

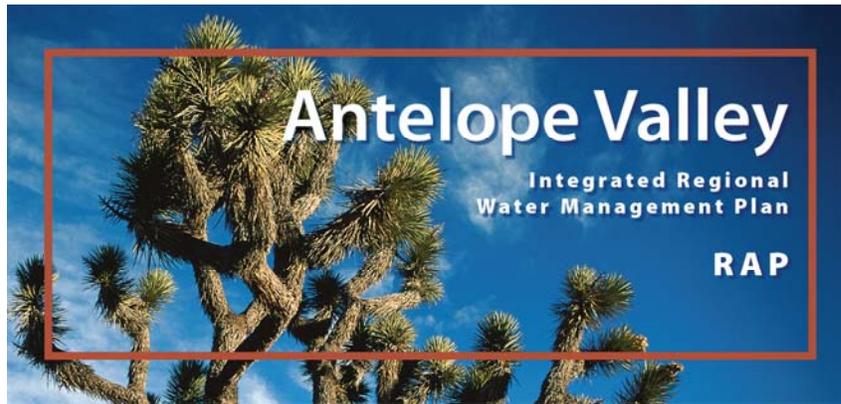
The RWMG includes the Antelope Valley East-Kern Water Agency (AVEK), Antelope Valley State Water Contractors Association (AVSWCA), City of Lancaster (Lancaster), City of Palmdale (Palmdale), Littlerock Creek Irrigation District (LCID), Los Angeles County Sanitation Districts (LACSDs) 14 and 20, Los Angeles County Waterworks District No. 40 (LACWWD 40), Los Angeles County, Palmdale Water District (PWD), Quartz Hill Water District (QHWD), and Rosamond Community Services District (RCSD). These agencies are listed in Table 1 along with a description of how each agency is responsible for statutory authority over water supply or water management within the Antelope Valley Region by noting whether the agency has authority over any of the following: water supply, water quality management, wastewater treatment, flood management/control, or storm water management. All agencies listed in Table 1 have adopted the Agreement and participate in the financing and governance of IRWM Plan implementation.

The composition of the RWMG provides a good cross-sectional representation of all water/natural resource and land-use management activities for the Antelope Valley Region. There are however a number of entities within the Region that have statutory authority over water supply and water management who are not currently members of the RWMG, but they are part of the Stakeholder group (see Table 2).

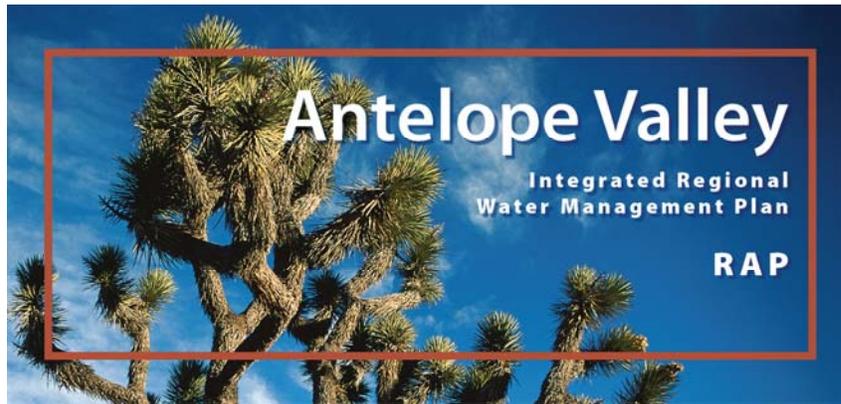


**TABLE 1
ROLES AND RESPONSIBILITIES OF THE REGIONAL WATER MANAGEMENT GROUP**

AGENCY	ROLES AND RESPONSIBILITY	STATUTORY AUTHORITY OVER WATER SUPPLY OR WATER MANAGEMENT
AVEK	Wholesaler of imported water to the Antelope Valley Region	Water supply, water quality management
AVSWCA	Members provide imported water to Antelope Valley	Water supply
City of Lancaster	Incorporated Municipal government that provides land-use planning, environmental, flood management, public works services, and parks and recreation services	Water supply, water quality management, flood management/control, storm water management, wastewater collection
City of Palmdale	Incorporated Municipal government that provides land-use planning, environmental, flood management, public works services, and parks and recreation services	Water supply, water quality management, flood management/control, storm water management, wastewater collection
Los Angeles County	County government that provides environmental and land use planning as well as permitting and planning for future domestic water supply projects	Flood management, storm water management
LCID	Supplies surface and imported water to the Antelope Valley Region	Water supply
LACSD 14	Provides collection and treatment of wastewater and supplies recycled water to portions of the Antelope Valley Region	Water quality management, recycled water supply, wastewater treatment
LACSD 20	Provides collection and treatment of wastewater and supplies recycled water to portions of the Antelope Valley Region	Water quality management, recycled water supply, wastewater treatment
LACWWD 40	Supplies water to portions of Los Angeles County	Water supply
PWD	Supplies water to portions of Palmdale and adjacent unincorporated areas of Los Angeles County	Water quality management, water supply
QHWD	Supplies water to portions of the southwest end of Antelope Valley	Water quality management, water supply
RCSD	Supplies water to portions of unincorporated Kern County	Water quality management, water supply



<p>No. 2b & 2c</p>	<p>A listing of the other participants such as agencies, stakeholders, and others included in the RWMG and describe their role in developing and implementing the IRWM Plan.</p>
	<p>List and describe the working relationship of identified agencies and stakeholders per CWC §10541.(g) which may include:</p> <ul style="list-style-type: none"> • Wholesale and retail water purveyors; including a local agency, mutual water company, or a water corporation as defined by Section 241 of the Public Utilities Code; • Wastewater agencies; • Flood management agencies; • Municipal and county governments and special districts; • Electrical corporation, as defined in Section 218 of the Public Utilities Code; • Native American Tribes that have lands within the region; • Land use authorities; • Watermaster for adjudicated surface water or groundwater basins; • Self-supplied water users, including agricultural, industrial, residential and park districts, school districts, colleges and universities, and others; • Environmental stewardship organizations including watershed groups, fishing groups, land conservancies, and environmental groups; • Community organizations, including land owner organizations, taxpayer groups, and recreational interests; • Industry organizations representing agriculture, developers, and other industries appropriate to the region; • State, federal, and regional agencies or universities that have specific responsibilities or knowledge within the region; • Members and representatives of disadvantaged communities, including environmental justice organizations, neighborhood councils, and social justice organizations; and • Any other interested groups appropriate to the region.

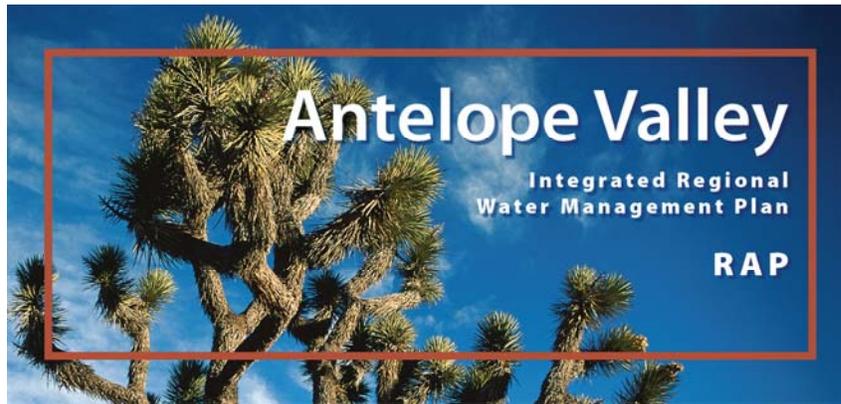


Over 40 stakeholder groups that represent various water management interests have participated in the planning process. These various interests provided the representation needed in order to address the objectives and strategies in the Plan. The broad array of participants includes the agencies that comprise the RWMG, as well as an extensive mix of town councils, regulatory, environmental, agricultural, and land use planning entities that represent all areas of the Antelope Valley Region. Stakeholders and members of the RWMG participated in nineteen stakeholder meetings, reviewed draft document materials, and provided extensive collaborative input to shape the Antelope Valley IRWM Plan. For those topics that required further discussion during Plan development, stakeholders engaged in smaller, focused technical committees to ensure that all stakeholder concerns were being considered while continuing to expedite this IRWM Plan development process. Stakeholder meetings (at a minimum, monthly, and maximum of three times a month) provide stakeholders a variety of opportunities to discover and establish mutually beneficial partnerships.

The RWMG acknowledged that a separate process (called adjudication) related to groundwater management was also underway. Members of the RWMG and other stakeholders discussed at length whether it was possible (and if possible, how) to develop a Regional Water Management Plan before the adjudication was settled. The members of the RWMG agreed that since the IRWM Plan and the adjudication were focused on different aspects of water management, they could proceed in parallel. This IRWM Plan seeks to meet shared objectives for long-term water management for the entire region. The results of the adjudication will establish how the groundwater resources will be managed, but other important water management actions can and should be taken without waiting for a final adjudicated solution. Members of the RWMG agreed that no information developed for the purposes of the IRWM Plan should be interpreted to interfere in any way with the adjudication process.

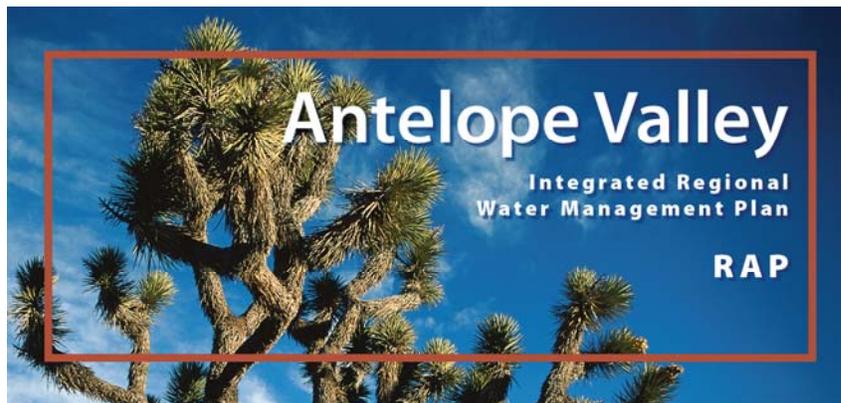
Membership in the stakeholder group was broadly extended to a number of entities, and membership continues to grow. Neither a financial contribution nor agency status was required to be part of the collaborative IRWM Plan development process. Through extensive outreach efforts, individuals from disadvantaged, small, and rural communities as well as other interested groups are continually encouraged to participate, and they are being informed of IRWM Plan development efforts through presentations, media relations, and information disseminated in their communities.

Table 2 provides a list of all of the Stakeholders that were involved in the development of the Antelope Valley IRWM Plan, which was adopted by the eleven original RWMG members in December of 2007 and January of 2008. They are grouped into several categories per CWC §10541(g) and their roles in the planning process are briefly described below in addition to noting if they have statutory authority over water supply and/or water management. A brief discussion of coordination efforts with local planning, State, and Federal agencies is also provided where appropriate.



**TABLE 2
STAKEHOLDER LIST**

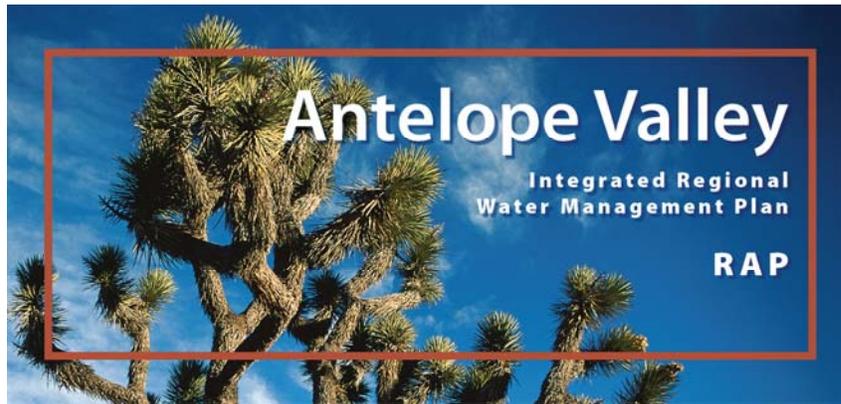
ORGANIZATION	STATUTORY AUTHORITY OVER WATER SUPPLY OR WATER MANAGEMENT
<i>Wholesale and Retail Water Purveyors/Wastewater Agencies/Flood Management Agencies/Special Districts</i>	
Antelope Park Mutual Water Company	Water supply
AVEK	Water quality management, water supply
AVSWCA	Water supply
Boron Community Services District	Water supply
Edgemont Acres Mutual Water Company	Water supply
El Dorado Mutual Water Company	Water supply
Evergreen Mutual Water Company	Water supply
Golden Valley Mutual Water	Water supply
Lands Project Mutual Water	Water supply
LACSD 14	Water quality management, recycled water supply, wastewater treatment
LACSD 20	Water quality management, recycled water supply, wastewater treatment
LACWWD 40	Water supply, water quality management
Los Angeles County	Flood management, storm water management
Little Baldy Water Company	Water supply
LCID	Water supply
Palm Ranch Irrigation District	Water supply
PWD	Water quality management, water supply
QHWD	Water quality management, water supply
RCSD	Water quality management, water supply
Westside Park Mutual Water Company	Water supply
White Fence Farms Mutual Water Company	Water supply
<i>Municipal and County Governments and Special Districts</i>	
Association of Rural Town Councils	
City of Boron	Water supply, water quality management, flood management/control, storm water management
City of Palmdale	Water supply, water quality management, flood management/control, storm water management,
City of Lancaster	Water supply, water quality management, flood management/control, storm water management, recycled water supply
California City Economic Development Commission	Not applicable
Kern County Department of Regional Planning	Flood management, storm water management
Los Angeles Department of Regional Planning	Flood management, storm water management



ORGANIZATION	STATUTORY AUTHORITY OVER WATER SUPPLY OR WATER MANAGEMENT
Mojave Chamber of Commerce	Not applicable
<i>Regulatory and Resource Agencies – State and Federal</i>	
California Department of Public Health	Water quality management
California State Department of Fish and Game	Water quality management
California State Parks	Water quality management
Edwards Air Force Base	Flood management, storm water management
Lahontan Regional Water Quality Control Board	Water quality management
Natural Resources Conservation District	Water quality management
United States Department of Agriculture	Water quality management
United States Geological Survey	Water quality management, flood management
<i>Recreational and Environmental Entities</i>	
Antelope Valley Conservancy	Water quality management
Antelope Valley Resource Conservation District	Water quality management
Antelope Valley Water Conservation Coalition	Water quality management
Sierra Club	Water quality management
<i>Community Representatives/Social Justice Organizations/Public and Private Interests</i>	
Antelope Valley Building Industry Association	Not applicable
Mojave Desert News	Not applicable
<i>Agricultural Interests</i>	
Los Angeles County Farm Bureau	Not applicable
Kern County Farm Bureau	Not applicable

Wholesale and Retail Water Purveyors/Wastewater Agencies/Flood Management Agencies/Special Districts

The wholesale and retail water purveyors, wastewater agencies, flood management agencies, and special districts of the Antelope Valley IRWM Plan Region are involved in the development and implementation of the objectives and projects for this IRWMP. Their participation is focused particularly on the water supply and flood management issues pertaining to the Region. These agencies include the State Water Project Contractors that provide distribution of SWP water to the Antelope Valley; AVEK, LCID, and PWD. The retail water purveyors include agencies that have water management responsibilities in the Antelope Valley Region and include: LACWWD 40, QHWD, Palm Ranch Irrigation District, the City of Lancaster for recycled water, and RCSD. There are also several mutual water companies in the Antelope Valley that provide water-related services to the Antelope Valley Region. Mutual water companies involved include: Antelope Park Mutual Water Company, Edgemont Acres Mutual Water Company, El Dorado Mutual Water Company, Evergreen Mutual Water Company, Golden Valley Mutual Water, Land Projects Mutual Water, Little Baldy Water Company, Westside Park Mutual Water Company, and White Fence Farms Mutual Water Company.



Municipal and County Governments and Special Districts

Municipal and county governments and special districts include local jurisdictions and land use planning agencies that are involved in the identification of issues, formation of objectives, and development of projects of this IRWMP. Their participation provides a link between local planning agencies and this IRWMP by offering discussion in meetings, providing accurate, consistent land use planning information, and incorporating local planning documents and goals into the project objectives. The Cities of Palmdale, Lancaster, California City, and Boron, and the Los Angeles and Kern County Departments of Regional Planning, all participate in the meetings.

Regulatory and Resource Agencies - State and Federal

Several State and Federal regulatory agencies are involved in the identification of issues, formation of objectives, and development of projects for this IRWMP. Coordination with these regulatory agencies is essential to the development and implementation of all recommended projects due to the need for regulatory and environmental approval prior to implementation. Furthermore, these agencies have had the chance to address items of concern on these projects at the Stakeholder meetings. Their roles and responsibilities are to ensure that this IRWMP consider resource management, resource enhancement, and regulatory compliance standards. These agencies include: Lahontan Regional Water Quality Control Board, the California Department of Health Services, the California State Parks, and the California State Department of Fish and Game; the United States Department of Agriculture, Natural Resources Conservation District, United States Geological Survey, and Edwards AFB.

Recreational and Environmental Entities

The role and responsibility of the recreational and open space entities is to ensure that issues and goals related to conservation and protection of the natural resources and habitat within the Region are incorporated in this IRWMP. The communities involved include the Antelope Valley Conservancy, the Antelope Valley Water Conservation Coalition, Antelope Valley Resource Conservation District and the Sierra Club.

Community Representatives/Public and Private Interests

Other Stakeholders involved in the development and implementation of the objectives for this IRWMP include other community representatives such as the Building Industry Association (BIA) as well as from the media. The BIA's role is to ensure land-use planning and growth management within the Antelope Valley is incorporated in this IRWM Plan. The building industry entities involved include two chapters of the Building Industry Association, the Antelope Valley Chapter and the Kern County Chapter. Representatives of the Antelope Valley Press and the Mojave Desert News regularly attended RWMP stakeholder meetings and informed their readership of the goals and objectives of this IRWM Plan. Progress was regularly reported on in these two major area newspapers as well as other local papers.

Section 2 Attachments

RWVG Resolutions

RESOLUTION NO. R-07-23

**A RESOLUTION OF THE
ANTELOPE VALLEY-EAST KERN WATER AGENCY**

**APPROVING THE PROPOSAL AND DETERMINATION TO ADOPT AN
INTEGRATED REGIONAL WATER MANAGEMENT**

WHEREAS, the California Water Code Division 6, Part 2.2, known as the Integrated Regional Water Management Planning Act of 2002, hereinafter referred to as "ACT," provides the framework for preparation and adoption of integrated regional water management plans; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors acting as the governing body of the Antelope Valley-East Kern Water Agency, does hereby:

1. Propose to adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group; and
2. Determine to adopt and adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

The foregoing Resolution was adopted on the 8th day of January, 2008, by the **BOARD OF DIRECTORS**, as the governing body of the ANTELOPE VALLEY-EAST KERN WATER AGENCY:

By *Audrey D. Littlejohn*
BOARD PRESIDENT

APPROVED AS TO FORM:

By *Wm J. Pe*
Legal Counsel

**ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION
RESOLUTION 08-02**

**RESOLUTION OF THE GOVERNING BOARD OF THE ANTELOPE
VALLEY STATE WATER CONTRACTORS ASSOCIATION APPROVING
THE PROPOSAL AND DETERMINATION TO ADOPT AN INTEGRATED
REGIONAL WATER MANAGEMENT PLAN FOR THE ANTELOPE
VALLEY**

WHEREAS, the California Water Code Division 6, Part 2.2, known as the Integrated Regional Water Management Planning Act of 2002, hereinafter referred to as "ACT," provides the framework for preparation and adoption of integrated regional water management plans; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

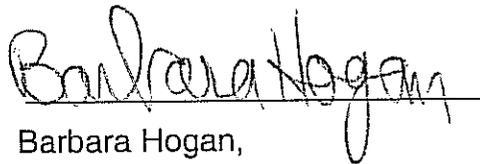
WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Antelope Valley State Water Contractors Association does hereby:

1. Propose to adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group; and
2. Determine to adopt and adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

PASSED AND ADOPTED on this 17th day of January, 2008, by the Board of Commissioners, the governing body of the Antelope Valley State Water Contractors Association.

ANTELOPE VALLEY STATE WATER
CONTRACTORS ASSOCIATION



Barbara Hogan,
Chair

ATTEST: ANDY RUTLEDGE

Secretary:



**ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION
RESOLUTION 08-03**

**RESOLUTION OF THE GOVERNING BOARD OF THE ANTELOPE
VALLEY STATE WATER CONTRACTORS ASSOCIATION APPROVING
THE PROPOSAL AND DETERMINATION TO ADOPT A
GROUNDWATER MANAGEMENT PLAN FOR THE ANTELOPE
VALLEY**

WHEREAS, the California Water Code Division 6, Part 2.75, known as the Groundwater Management Planning Act, hereinafter referred to as "ACT," provides the framework for preparation and adoption of groundwater management plans in the State; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, the Regional Water Management Group collaboratively prepared a Groundwater Management Plan for the Antelope Valley, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

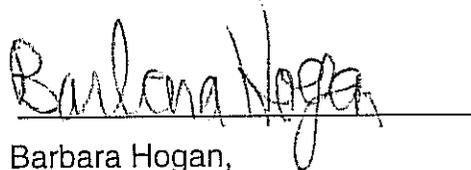
WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the Antelope Valley State Water Contractors Association does hereby:

1. Determine to adopt and adopt a Groundwater Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

PASSED AND ADOPTED on this 17th day of January, 2008, by the Board of Commissioners, the governing body of the Antelope Valley State Water Contractors Association.

ANTELOPE VALLEY STATE WATER
CONTRACTORS ASSOCIATION

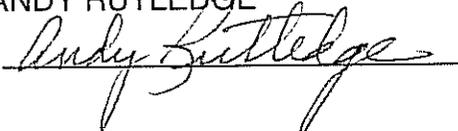


Barbara Hogan,

Chair

ATTEST: ANDY RUTLEDGE

Secretary:



RESOLUTION NO. 07-221

A RESOLUTION OF THE CITY COUNCIL OF THE
CITY OF LANCASTER, CALIFORNIA,
APPROVING THE PROPOSAL AND DETERMINATION
TO ADOPT AN INTEGRATED REGIONAL WATER MANAGEMENT PLAN.

WHEREAS, the California Water Code Division 6, Part 2.2, known as the Integrated Regional Water Management Planning Act of 2002, hereinafter referred to as "ACT," provides the framework for preparation and adoption of integrated regional water management plans; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group.

NOW, THEREFORE, BE IT RESOLVED AND ORDERED BY THE CITY COUNCIL OF THE CITY OF LANCASTER, STATE OF CALIFORNIA, THAT:

Section 1. Propose to adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group; and

Section 2. Determine to adopt and adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

PASSED, APPROVED, and ADOPTED this 11th day of December, 2007, by the following vote:

AYES: Council Members: Jeffra, Sileo, Smith, Vice Mayor Visokey, Mayor Hearn

NOES: None

ABSTAIN: None

ABSENT: None

ATTEST:

APPROVED:


GERI K. BRYAN, CMC
City Clerk
City of Lancaster


HENRY W. HEARN
Mayor
City of Lancaster

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) ss
CITY OF LANCASTER)

CERTIFICATION OF RESOLUTION
CITY COUNCIL

I, _____, _____ City of Lancaster, CA, do hereby certify that this is a true and correct copy of the original Resolution No. 07-221, for which the original is on file in my office.

WITNESS MY HAND AND THE SEAL OF THE CITY OF LANCASTER, on this _____ day of _____, _____.

(seal)

RESOLUTION NO. 08-02

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LANCASTER,
CALIFORNIA, ADOPTING A GROUNDWATER MANAGEMENT PLAN FOR THE
ANTELOPE VALLEY

WHEREAS, California Water Code Division 6, Part 2.2, known as the *Integrated Regional Water Management Planning Act of 2002*, and Division 6, Part 2.75, known as the *Groundwater Management Planning Act*, hereinafter collectively referred to as "ACTS", provide the framework for preparation of integrated regional water management plans and groundwater management plans in the State; and

WHEREAS, the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, Rosamond Community Services District, and Los Angeles County Waterworks District No. 40, Antelope Valley have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACTS; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan/Groundwater Management Plan for the Antelope Valley, hereinafter referred to as "PLAN", that meets the requirements of the ACTS; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders; and

WHEREAS, the adoption of the PLAN will improve the Antelope Valley's competitiveness for State and Federal funding including grants from Propositions 50, 84, and 1E.

WHEREAS, the City Council adopted the Integrated Regional Water Management Plan by Resolution No. 07-221 on December 11, 2007; and

WHEREAS, the Groundwater Management Plan requires that two (2) public hearings be held; one indicating intention to prepare the PLAN and the second taking testimony and determining if a majority protest exists; and

WHEREAS, said public hearings were noticed and held in accordance with the ACTS;
and

WHEREAS, there was no majority protest.

NOW, THEREFORE, BE IT RESOLVED AND ORDERED BY THE CITY COUNCIL
OF THE CITY OF LANCASTER, STATE OF CALIFORNIA, THAT:

Section 1. This City Council hereby adopts the Groundwater Management Plan as a member of the Regional Water Management Group.

CITY OF PALMDALE
LOS ANGELES COUNTY, CALIFORNIA

RESOLUTION NO. CC 2008-007

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALMDALE,
CALIFORNIA APPROVING THE PROPOSAL AND DETERMINATION TO ADOPT AN
INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND A GROUNDWATER
MANAGEMENT PLAN FOR THE ANTELOPE VALLEY

RECITALS

WHEREAS, California Water Code Division 6, Part 2.2, known as the Integrated Regional Water Management Planning Act of 2002, and Division 6, Part 2.75, known as the Groundwater Management Planning Act, hereinafter collectively referred to as "ACTS", provide the framework for preparation and adoption of Integrated Regional Water Management Plans and Groundwater Management Plans in the state; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACTS; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management/Groundwater Management Plan for the Antelope Valley, hereinafter referred to as "PLAN", that collectively meet the requirements of the ACTS; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, regional collaboration can promote a more efficient, comprehensive, and effective approach to water resource management while being responsive within a regional context to the needs of individual communities and jurisdictions; and

WHEREAS, the PLAN is to prepare to meet the Antelope Valley's future regional need for water supply reliability by evaluating opportunities for water recycling, water conservation, groundwater management, conjunctive use, water transfers, water quality improvement, storm water capture and management, flood management, recreation and public access, and environmental and habitat protection and improvement; and

WHEREAS, the PLAN will foster coordination, collaboration and communication among public agencies in the Antelope Valley and other interested stakeholders to

achieve greater water-use efficiencies, enhance public services, and build public support for vital projects; and

WHEREAS, the adoption of the PLAN will improve the Antelope Valley's competitiveness for State and Federal funding including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group; and

WHEREAS, the PLAN is a feasibility and planning study for possible future action and no implementation or project is being adopted, approved, required or funded through the adoption of the PLAN; and

WHEREAS, implementation of the PLAN may not proceed without further discretionary approvals either by the individual public agency or jointly by the group members; and

WHEREAS, adoption of the PLAN, does not legally bind the City of Palmdale to approve or perform any implementation or project. Furthermore, any approval of any project suggested in this PLAN, including, but not limited to the use of recycled water for direct groundwater recharge, will require full environmental and public review.

NOW, THEREFORE, the City Council hereby finds, determines, and resolves as follows:

SECTION 1: The City Council hereby specifically finds that all of the facts set forth in the Recitals and true and correct and constitute the findings of the City Council in this matter.

SECTION 2: The City Council adopts the Final Integrated Regional Water Management/Groundwater Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

SECTION 3: The City Council hereby finds as follows with respect to the Notice of Exemption prepared in connection with Final Integrated Regional Water Management/ Groundwater Management Plan for the Antelope Valley:

- (a) Pursuant to the California Environmental Quality Act ("CEQA") and the City's local CEQA Guidelines, City staff determined the project to be exempt from environmental review pursuant to Section 15262 of the California Environmental Quality Act (CEQA) Guidelines, Feasibility and Planning Studies for possible future actions for which no implementation or project has been approved or funded. Thereafter, the City staff provided public notice of the determination and of the intent to find the project exempt from environmental review pursuant to Section 15272 of the CEQA Guidelines.

(b) The City Council has reviewed the Notice of Exemption and, based on the whole record before it, finds that the Notice of Exemption was prepared in compliance with CEQA. The City Council further finds that the Notice of Exemption reflects the independent judgment and analysis of the City Council. Based on these findings, the City Council hereby adopts the Notice of Exemption.

(c) The custodian of records for the Notice of Exemption, and all other materials which constitute the record of proceedings upon which the City Council's decision is based, is the Director of Planning of the City of Palmdale. Those documents are available for public review in the Planning Department of the City of Palmdale located at 38250 Sierra Highway, Palmdale, California 93550, telephone (661) 267-5200.

SECTION 4: City staff is authorized and directed to file a Notice of Exemption under Section 15262 of the California Environmental Quality Act (CEQA) guidelines on behalf of the Regional Water Management Group.

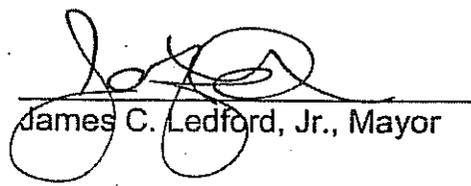
SECTION 5: The City Clerk shall certify to the adoption of this resolution.

PASSED, APPROVED and ADOPTED this 16th day of January, 2008, by the following vote:

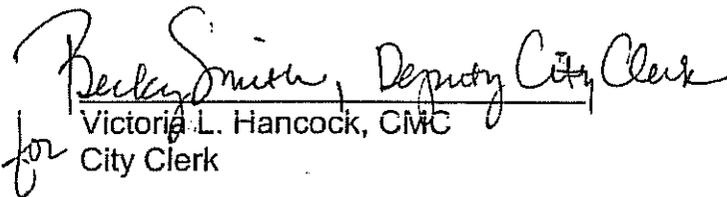
AYES: Mayor Ledford and Councilmembers Lackey, Knight, Hofbauer, and Dispenza

NOES: None

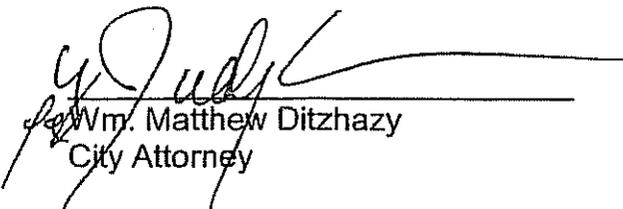
ABSENT: None ABSTAIN: None


James C. Ledford, Jr., Mayor

Attest:


Victoria L. Hancock, CMC
City Clerk

Approve as to form:


Wm. Matthew Ditzhazy
City Attorney



PALMDALE
a place to call home

CITY COUNCIL

CLERK'S CERTIFICATE

I, Victoria L. Hancock, CMC, City Clerk of the City of Palmdale, State of California, do hereby certify as follows:

The attached is a full, true and correct copy of Resolution No. CC 2008-007 adopted at the Regular Meeting of the City Council of the City of Palmdale duly held at the regular meeting place thereof, on January 16, 2008, at which meeting all of the members of said City Council had due notice and at which a majority thereof was present.

I further certify that I have carefully compared the same with the original Resolution No. CC 2008-007 on file and of record in my office and that said Resolution CC 2008-007 is a full, true, and correct copy of the original Resolution No. CC 2008-007 adopted at said meeting.

At said meeting, Resolution No. CC 2008-007 was adopted by the following vote:

AYES: Mayor Ledford and Councilmembers Lackey, Knight, Hofbauer, and Dispenza

NOES: None

ABSTAIN: None

ABSENT: None

WITNESS my hand and the seal of the City of Palmdale this 22nd day of January 2008.

Becky Smith
for Becky Smith, Deputy City Clerk
Victoria L. Hancock, CMC
City Clerk

JAMES C. LEDFORD, JR.
Mayor

MIKE DISPENZA
Mayor Pro Tem

STEVEN D. HOFBAUER
Councilmember

STEPHEN KNIGHT
Councilmember

TOM LACKEY
Councilmember

38300 Sierra Highway

Palmdale, CA 93550-4798

Tel: 661/267-5100

Fax: 661/267-5122

TDD: 661/267-5167

Auxiliary aids provided for

communication accessibility

72 hours' notice and request.

**RESOLUTION OF THE BOARD OF DIRECTORS OF COUNTY SANITATION DISTRICT
NO. 14 OF LOS ANGELES COUNTY
TO ADOPT AN INTEGRATED REGIONAL WATER
MANAGEMENT PLAN FOR THE ANTELOPE VALLEY**

WHEREAS, California Water Code Division 6, Part 2.2, known as the *Integrated Regional Water Management Planning Act of 2002 (ACT)*, provides the framework for preparation of integrated regional water management plans in the State; and

WHEREAS, the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, Rosamond Community Services District, and Los Angeles County Waterworks District No. 40, Antelope Valley have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

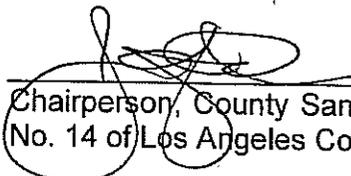
WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan for the Antelope Valley (PLAN) that meets the requirements of the ACT; and

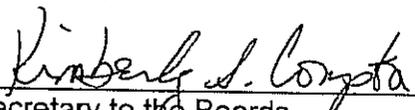
WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding including grants from Propositions 50, 84, and 1E.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of County Sanitation District No. 14 of Los Angeles County hereby adopts the Integrated Regional Water Management Plan for the Antelope Valley.

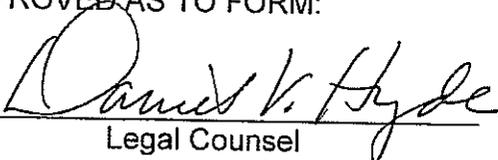
The foregoing Resolution was adopted on the 23rd day of January, 2008, by the Board of Directors as the governing body of County Sanitation District No. 14 of Los Angeles County.

By 
Chairperson, County Sanitation District
No. 14 of Los Angeles County
JAN 23 2008

ATTEST:

By: 
Secretary to the Boards

APPROVED AS TO FORM:

By: 
Legal Counsel

**RESOLUTION OF THE BOARD OF DIRECTORS OF COUNTY SANITATION
DISTRICT NO. 20 OF LOS ANGELES COUNTY
TO ADOPT AN INTEGRATED REGIONAL WATER
MANAGEMENT PLAN FOR THE ANTELOPE VALLEY**

WHEREAS, California Water Code Division 6, Part 2.2, known as the *Integrated Regional Water Management Planning Act of 2002 (ACT)*, provides the framework for preparation of integrated regional water management plans in the State; and

WHEREAS, the Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles County, County Sanitation District No. 20 of Los Angeles County, Rosamond Community Services District, and Los Angeles County Waterworks District No. 40, Antelope Valley have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

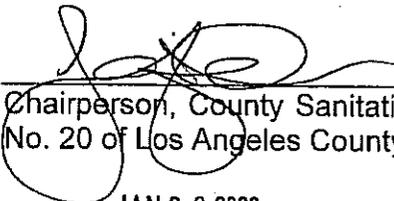
WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan for the Antelope Valley (PLAN) that meets the requirements of the ACT; and

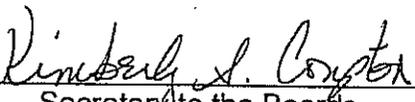
WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding including grants from Propositions 50, 84, and 1E.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of County Sanitation District No. 20 of Los Angeles County hereby adopts the Integrated Regional Water Management Plan for the Antelope Valley.

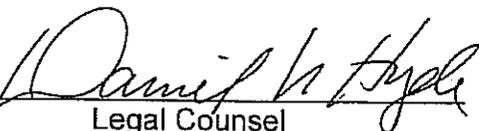
The foregoing Resolution was adopted on the 23rd day of January, 2008, by the Board of Directors as the governing body of County Sanitation District No. 20 of Los Angeles County.

By: 
Chairperson, County Sanitation District
No. 20 of Los Angeles County
JAN 23 2008

ATTEST:

By: 
Secretary to the Boards

APPROVED AS TO FORM:

By: 
Legal Counsel

RECEIVED

JAN 23 7 00 AM

RESOLUTION NO. 08-02

KENNEDY JENKS CONSULTANTS
VENTURA, CA

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
LITTLEROCK CREEK IRRIGATION DISTRICT APPROVING THE PROPOSAL AND
DETERMINATION TO ADOPT AN INTEGRATED REGIONAL WATER
MANAGEMENT PLAN FOR THE ANTELOPE VALLEY**

WHEREAS, the California Water Code Division 6, Part 2.75, known as the Groundwater Management Planning Act, hereinafter referred to as "ACT," provides the framework for preparation and adoption of integrated regional water management plans; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, The Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan for the Antelope Valley, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, The Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Proposition 50, 84, and 1E for all members of the Regional Water Management Group.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors for the Littlerock Creek Irrigation District, acting as the governing body, does hereby:

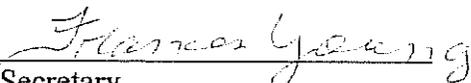
1. Propose to adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group; and
2. Determine to adopt and adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

PASSED, APPROVED AND ADOPTED on January 16, 2008.



President

ATTEST:



Secretary

(SEAL)

RESOLUTION NO. 08-03

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
LITTLEROCK CREEK IRRIGATION DISTRICT APPROVING THE PROPOSAL AND
DETERMINATION TO ADOPT A GROUNDWATER MANAGEMENT PLAN FOR
THE ANTELOPE VALLEY**

WHEREAS, the California Water Code Division 6, Part 2.75, known as the Groundwater Management Planning Act, hereinafter referred to as "ACT," provides the framework for preparation and adoption of groundwater management plans in the State; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, The Regional Water Management Group collaboratively prepared a Groundwater Management Plan for the Antelope Valley, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

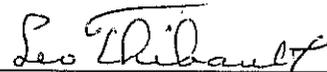
WHEREAS, The Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Proposition 50, 84, and 1E for all members of the Regional Water Management Group.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors for the Littlerock Creek Irrigation District, acting as the governing body, does hereby:

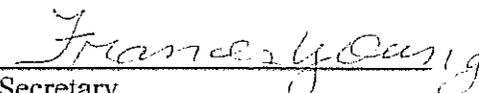
1. Determine to adopt and adopt a Groundwater Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

PASSED, APPROVED AND ADOPTED on January 16, 2008.



President

ATTEST:



Secretary

(SEAL)



MINUTES OF THE BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES, STATE OF CALIFORNIA

Sachi A. Hamai, Executive Officer
Clerk of the Board of Supervisors
383 Kenneth Hahn Hall of Administration
Los Angeles, California 90012

At its meeting held December 4, 2007 the Board acting as the Governing Body of the Los Angeles County Waterworks District No. 40, Antelope Valley, took the following action:

63

At the time and place regularly set, notice having been duly given, the following item was called up:

Hearing on proposal and determination to adopt an Integrated Regional Water Management Plan and Groundwater Management Plan for the Antelope Valley (5), to provide the framework for local agencies to coordinate programs and projects intended to address regional water supply needs, protect and improve water quality, provide flood management, protect the environment, and establish a data management system to monitor the progress of these objectives; and find that the project is exempt from the California Environmental Quality Act, as further described in the attached letter dated December 4, 2007 from the Chief Executive Officer.

Opportunity was given for interested persons to address the Board. No interested persons addressed the Board. No correspondence was presented.

On motion of Supervisor Knabe, seconded by Supervisor Antonovich, unanimously carried, the hearing was closed and the Board acting as the Governing Body of the Los Angeles County Waterworks District No. 40, Antelope Valley, took the following actions:

1. Made a finding that said action is exempt from the California Environmental Quality Act; and

(Continued on Page 2)

63 (Continued)

2. Determined that no majority protest exists against the adoption of the Groundwater Management Plan; and
3. Adopted the attached resolutions approving the proposal and determination to adopt an Integrated Regional Water Management Plan and the Groundwater Management Plan for the Antelope Valley.

03120407_63

Attachments

Copies distributed:

Each Supervisor
Auditor-Controller
Chief Executive Officer
County Counsel
Director of Public Works



County of Los Angeles
CHIEF EXECUTIVE OFFICE

713 KENNETH HAHN HALL OF ADMINISTRATION
LOS ANGELES, CALIFORNIA 90012
(213) 974-1101
<http://ceo.lacounty.gov>

WILLIAM T FUJIOKA
Chief Executive Officer

December 4, 2007

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Dear Supervisors:

**DEPARTMENT OF PUBLIC WORKS: LOS ANGELES COUNTY
WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY
PUBLIC HEARING FOR ADOPTION OF RESOLUTIONS FOR
THE PROPOSAL AND DETERMINATION TO ADOPT AN
INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND A
GROUNDWATER MANAGEMENT PLAN FOR THE ANTELOPE VALLEY
(SUPERVISORIAL DISTRICT 5)
(3 VOTES)**

**IT IS RECOMMENDED THAT YOUR BOARD AFTER THE PUBLIC HEARING
ACTING AS THE GOVERNING BODY OF THE LOS ANGELES COUNTY
WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY:**

1. Find that the proposed action is exempt from the provisions of the California Environmental Quality Act for the reasons cited in this letter.
2. Consider protests to the adoption of the Groundwater Management Plan and determine whether a majority protest exists. If your Board finds that the protests filed represent more than 50 percent of the assessed value of land within the Los Angeles County Waterworks District No. 40, Antelope Valley, deny adoption of the Groundwater Management Plan and refer the matter back to the Department of Public Works. If there is no majority protest, adopt the resolution for the determination to adopt a Groundwater Management Plan for the Antelope Valley.
3. Adopt the resolution for the proposal and determination to adopt an Integrated Regional Water Management Plan.

Board of Supervisors
GLORIA MOLINA
First District

YVONNE B. BURKE
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of these actions is to adopt an Integrated Regional Water Management Plan and a Groundwater Management Plan (Plans) for the Antelope Valley.

The Plans were collaboratively prepared by 11 public agencies, including the Los Angeles County Waterworks District No. 40, Antelope Valley (District) in accordance with State guidelines to address regional water supply needs, protect and improve water quality, provide flood management, protect the environment, and establish a data management system to monitor the progress of these objectives. The adoption of the Plans will improve the Antelope Valley's competitiveness for State and Federal grant funds, including those authorized under Propositions 50, 84, and 1E.

Implementation of Strategic Plan Goals

The Countywide Strategic Plan directs that we provide Fiscal Responsibility (Goal 4) and Community Services (Goal 6) by improving the District's competitiveness for State and Federal grant funds and enhancing the reliability of water supply for the District's customers.

FISCAL IMPACT/FINANCING

There will be no impact to the County General Fund.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

The Integrated Regional Water Management Planning Act of 2002, as codified in California Water Code §10530 through §10546, provides the framework for preparation and adoption of Integrated Regional Water Management Plans in the State. California Water Code §10541(c) requires publication of a notice of intention to adopt an Integrated Regional Water Management Plan (IRWMP) in accordance with Government Code §6066 if three or more participants in the group propose to adopt the IRWMP. Additionally, California Water Code §10541(d) requires a determination to adopt the IRWMP after holding a public hearing.

The Groundwater Management Act, as codified in California Water Code §10750 through §10756, provides the framework for preparation and adoption of Groundwater Management Plan in the State. California Water Code §10753.5(a) requires that a local agency hold a public hearing to determine to adopt the Groundwater Management Plan. After the public hearing, the local agency shall consider protests to the adoption of the plan and determine whether a majority protest exists. Pursuant to California Water

Code §10753.6(b), the local agency must compare the names and property descriptions on the protests against the property ownership records of the County Assessors. If your Board finds that the protests filed represent more than 50 percent of the assessed value of land within the District, deny adoption of the Groundwater Management Plan and refer the matter back to Public Works. If there is no majority protest, adopt the resolution for the determination to adopt a Groundwater Management Plan for the Antelope Valley.

ENVIRONMENTAL DOCUMENTATION

The proposed action is to adopt plans collaboratively prepared by 11 public agencies including the District, in accordance with State guidelines to address regional water supply needs, protect and improve water quality, provide flood management, protect the environment, and establish a data management system to monitor the progress of these objectives. It involves only feasibility or planning studies for possible future actions, which your Board has not approved, adopted, or funded. The Plans will not have a legally binding effect on later activities and, therefore, their adoption is exempt from the California Environmental Quality Act pursuant to Section 15262 of the California Environmental Quality Act Guidelines.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

The adoption of the Plans will improve the District's competitiveness for State and Federal grant funds to improve the reliability of water supply for the District's customers.

There will be no impact on current County services or projects as a result of this action.

The Honorable Board of Supervisors
December 4, 2007
Page 4

CONCLUSION

Upon approval, please return one adopted copy of this letter and the attached resolutions to the Department of Public Works, Waterworks Division.

Respectfully submitted,



WILLIAM T FUJIOKA
Chief Executive Officer

WTF:DLW
AA:cr

Attachments (2)

c: County Counsel

A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE COUNTY OF
LOS ANGELES, CALIFORNIA, ACTING AS THE GOVERNING BODY OF THE
LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY,
APPROVING THE PROPOSAL AND DETERMINATION TO ADOPT A
GROUNDWATER MANAGEMENT PLAN FOR THE ANTELOPE VALLEY

WHEREAS, the California Water Code Division 6, Part 2.75, known as the Groundwater Management Planning Act, hereinafter referred to as "ACT," provides the framework for preparation and adoption of groundwater management plans in the State; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, the Regional Water Management Group collaboratively prepared a Groundwater Management Plan for the Antelope Valley, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Supervisors of the County of Los Angeles, acting as the governing body of Los Angeles County Waterworks District No. 40, Antelope Valley, does hereby:

1. Determine to adopt and adopt a Groundwater Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

The foregoing Resolution was adopted on the 4th day of December, 2007, by the Board of Supervisors of the County of Los Angeles acting as the governing body of the Los Angeles County Waterworks District No. 40, Antelope Valley.



SACHI A. HAMAI
Executive Officer of the
Board of Supervisors of the
County of Los Angeles

By Charlotte R. Brosfeld
Deputy

APPROVED AS TO FORM:

RAYMOND G. FORTNER, JR.
County Counsel

By Frederick W. Pfaffle
Deputy
Frederick W. Pfaffle

A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE COUNTY OF
LOS ANGELES, CALIFORNIA, ACTING AS THE GOVERNING BODY OF THE
LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY,
APPROVING THE PROPOSAL AND DETERMINATION TO ADOPT AN
INTEGRATED REGIONAL WATER MANAGEMENT PLAN FOR THE
ANTELOPE VALLEY

WHEREAS, the California Water Code Division 6, Part 2.2, known as the Integrated Regional Water Management Planning Act of 2002, hereinafter referred to as "ACT," provides the framework for preparation and adoption of integrated regional water management plans; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Supervisors of the County of Los Angeles, acting as the governing body of Los Angeles County Waterworks District No. 40, Antelope Valley, does hereby:

1. Propose to adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group; and
2. Determine to adopt and adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

The foregoing Resolution was adopted on the 4th day of December, 2007, by the Board of Supervisors of the County of Los Angeles acting as the governing body of the Los Angeles County Waterworks District No. 40, Antelope Valley.



SACHI A. HAMAI
Executive Officer of the
Board of Supervisors of the
County of Los Angeles

By Charlotte R. Bradford
Deputy

APPROVED AS TO FORM:

RAYMOND G. FORTNER, JR.
County Counsel

By Frederick W. Pfaffle
Deputy
Frederick W. Pfaffle

**PALMDALE WATER DISTRICT
RESOLUTION 08-1**

**RESOLUTION OF THE GOVERNING BOARD OF THE PALMDALE
WATER DISTRICT APPROVING THE PREPARATION OF AND
ADOPTING AN INTEGRATED REGIONAL WATER MANAGEMENT
PLAN FOR THE ANTELOPE VALLEY**

WHEREAS, the California Water Code Division 6, Part 2.2, known as the Integrated Regional Water Management Planning Act of 2002, hereinafter referred to as "ACT," provides the framework for preparation and adoption of integrated regional water management plans; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group; and

WHEREAS, the adoption of the PLAN is exempt from the California Environmental Quality Act under section 15262 of the guidelines as a project involving only feasibility or planning studies for possible future actions; and

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Palmdale Water District does hereby:

1. Propose to adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group; and
2. Determine to adopt and adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

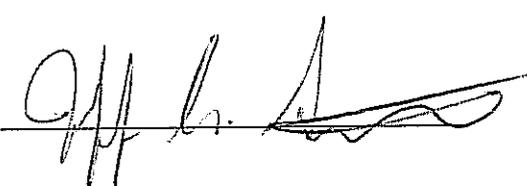
PASSED AND ADOPTED on this 23rd day of January, 2008, by the Board of Directors, the governing body of the Palmdale Water District.

PALMDALE WATER DISTRICT



Richard D. Wells,
President

ATTEST: JEFF A. STORM

Assistant Secretary: 

**PALMDALE WATER DISTRICT
RESOLUTION 08-2**

**RESOLUTION OF THE GOVERNING BOARD OF THE PALMDALE
WATER DISTRICT APPROVING THE PREPARATION OF AND
ADOPTING A GROUNDWATER MANAGEMENT PLAN FOR THE
ANTELOPE VALLEY**

WHEREAS, the California Water Code Division 6, Part 2.75, known as the Groundwater Management Planning Act, hereinafter referred to as "ACT," provides the framework for preparation and adoption of groundwater management plans in the State; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, the Regional Water Management Group collaboratively prepared a Groundwater Management Plan for the Antelope Valley, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group; and

WHEREAS, the adoption of the PLAN is exempt from the California Environmental Quality Act under section 15262 of the guidelines as a project involving only feasibility or planning studies for possible future actions; and

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Palmdale Water District does hereby:

1. Determine to adopt and adopt a Groundwater Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

PASSED AND ADOPTED on this 23rd day of January, 2008, by the Board of Directors, the governing body of the Palmdale Water District.

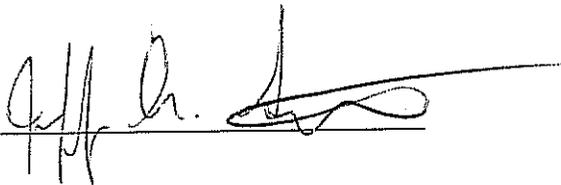
PALMDALE WATER DISTRICT



Richard D. Wells,
President

ATTEST: JEFF A. STORM

Assistant Secretary:



**ROSAMOND COMMUNITY SERVICES DISTRICT
RESOLUTION NO. 2008-10**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE ROSAMOND
COMMUNITY SERVICES DISTRICT
APPROVING THE PROPOSAL AND DETERMINATION TO ADOPT AN
INTEGRATED REGIONAL WATER MANAGEMENT PLAN**

WHEREAS, the California Water Code Division 6, Part 2.2, known as the Integrated Regional Water Management Planning Act of 2002, hereinafter referred to as "ACT," provides the framework for preparation and adoption of integrated regional water management plans; and

WHEREAS, the Antelope Valley-East Kern Water Agency; Palmdale Water District; Quartz Hill Water District; Littlerock Creek Irrigation District; Antelope Valley State Water Contractors Association; City of Palmdale; City of Lancaster; County Sanitation District No. 14 of Los Angeles County; County Sanitation District No. 20 of Los Angeles County; Rosamond Community Services District; and Los Angeles County Waterworks District No. 40; Antelope Valley, have established a Regional Water Management Group by means of a Memorandum of Understanding in accordance with the ACT; and

WHEREAS, the Regional Water Management Group collaboratively prepared an Integrated Regional Water Management Plan, hereinafter referred to as "PLAN," that meets the requirements of the ACT; and

WHEREAS, the Regional Water Management Group solicited and incorporated input from all interested stakeholders in preparation of the PLAN; and

WHEREAS, the adoption of the PLAN is intended to improve the Antelope Valley's competitiveness for State and Federal funding, including grants from Propositions 50, 84, and 1E for all members of the Regional Water Management Group.

NOW, THEREFORE, BE IT RESOLVED, Board of Directors of the Rosamond Community Services District , **does hereby:**

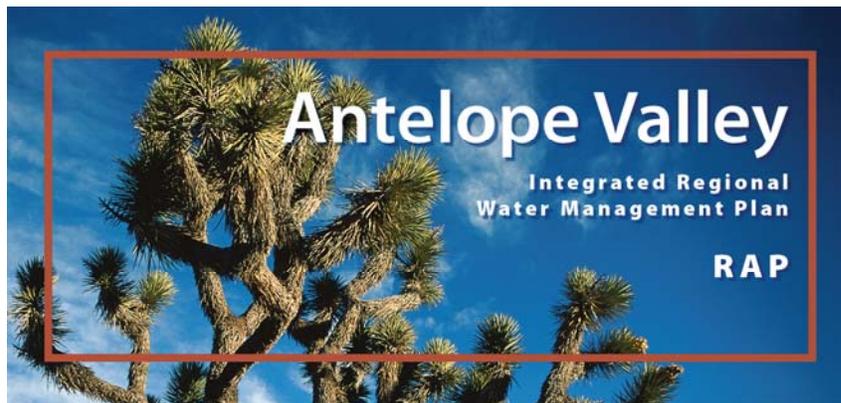
1. Propose to adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group; and
2. Determine to adopt and adopt an Integrated Regional Water Management Plan for the Antelope Valley as a member of the Regional Water Management Group.

PASSED AND ADOPTED at the regular meeting of the Board of Directors of the Rosamond Community Services District held this 9th day of January, 2008.

By:  _____
President, Board of Directors
Rosamond Community Services District

ATTEST:

By:  _____
Secretary, Board of Directors
Rosamond Community Services District



REVIEWER INFORMATION

Does the list of stakeholders appear to be inclusive? Are DACs given an opportunity to participate? Does it appear that the RWMG includes stakeholders, including DACs, in its planning process and implementation?

Do stakeholder outreach efforts promote participation of broad-based water planning and management interests in the region? Do the listed stakeholders provide a balanced representation of the water issues in the region?

Does the submittal describe how stakeholders, including DACs, are identified and invited to participate? Are the procedures, processes, or structures that promote access to and collaboration with people or agencies with diverse views within the region listed and discussed?

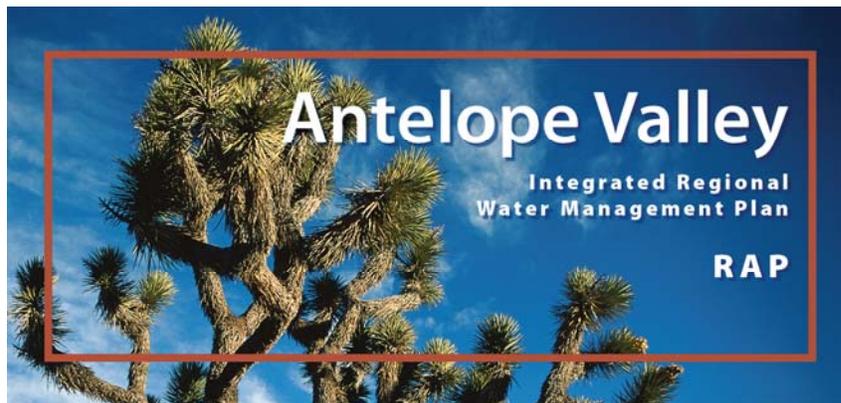
Does it appear that the IRWM region is inclusive and utilizes a collaborative, multi-stakeholder process that provides mechanisms to assist DAC and address water management issues? Will this result in the development of integrated, multi-benefit, regional solutions that incorporate environmental stewardship to implement the IRWM plan?

QUESTION	WHAT TO SUBMIT
No. 3a	A description of how stakeholders, including DACs, are identified and invited to participate. List the procedures, processes, or structures that promote access to and collaboration with people or agencies with diverse views within the region.

Antelope Valley IRWMP Invitation Process

Initially, stakeholders, including disadvantaged communities (DACs), were invited from the Antelope Valley Region’s key local government agencies, rural town councils, businesses, and agricultural interests to participate in the Plan development process. All agencies that manage water, wastewater, or stormwater or that have agricultural or environmental concerns within the Region were contacted via mail, electronic mail, and/or telephone and invited to attend the stakeholder meetings. These meetings began in May 2006 to improve communication and explore opportunities to leverage their collective staff and financial resources. As a result, 11 public agencies formed the Antelope Valley Regional Water Management Group (RWMG) to lead stakeholders’ collaborative efforts to resolve the growing number of water challenges in the Region.

In these early stakeholder meetings, community and DAC outreach was identified as a key component of the AV IRWM Plan success. Community outreach included outreach to non-signatory stakeholders and other interested parties, to DACs, and to underrepresented and traditionally isolated communities. Additional effort was also made to identify communities with environmental justice concerns. Initial outreach efforts began in the early stages of the planning process to improve stakeholder participation through increased agency and organized committee involvement. However, it soon became clear that many smaller and disadvantaged communities in the Antelope Valley Region with valuable input were



not being represented at the general group meetings. Therefore, outreach efforts were accelerated in January of 2007 to broaden the scope to improve outreach to smaller communities in the Region through the formation of the Public Outreach Subcommittee. The goals of the Public Outreach Subcommittee were to:

- Encourage participation and solicit input into AV IRWM Plan development, and
- Educate target audiences about the purpose and benefits of the AV IRWM Plan Identification of Disadvantaged Communities in the Antelope Valley.

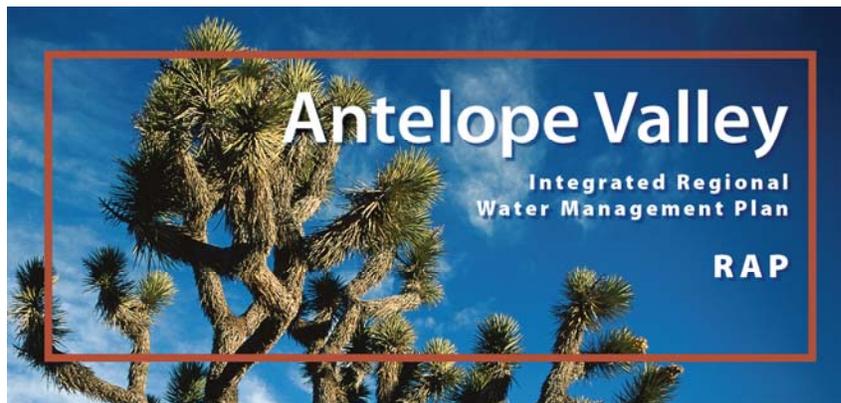
As defined by Proposition 50, Chapter 8, disadvantaged communities (DAC) are defined as communities whose median household income (MHI) is less than 80 percent of the statewide MHI (or 80 percent of \$47,493 which is \$37,994). To begin identifying disadvantaged areas in the Region, Subcommittee members conducted an initial assessment of the Antelope Valley Region using Census 2000 data. In order to provide the most accurate determination of the DACs in the Antelope Valley Region, MHI was compared at the census tract level. Census tracts are relatively permanent geographic subdivisions of a county or equivalent entity used to document regional demographic trends. The analysis showed that approximately 20 census tracts within the Region have an MHI less than 80 percent of the statewide MHI. These tracts equate to approximately 20 percent of the Region's population. A census block is the smallest geographic unit used to collect data at a localized, household level. Census block information provides greater social and economic detail than census tract level information. The Census data collected was further refined through the creation of a map with residential household areas. This map allowed members to compare census tract and residential information to more accurately pinpoint specific communities within the census blocks that were disadvantaged, as census blocks tend to cover large areas with very few residents. See Figure 2 in Section 10 of this RAP for the DAC map.

By identifying the actual residential areas within the blocks, Subcommittee members could then effectively locate the organizations that would ensure communication with DAC community members.

Using these methods, the following DACs were identified in the Antelope Valley:

- Lake Los Angeles, Unincorporated Los Angeles County
- Littlerock, Unincorporated Los Angeles County
- Mojave, Unincorporated Kern County
- Portions of the City of Lancaster
- Portions of the City of Palmdale (Desert View Highlands)
- Roosevelt, Unincorporated Los Angeles County

The communities of Littlerock and Roosevelt do not technically fit the profile of a disadvantaged community due to slightly higher income levels. However, the disadvantaged community map showing the residential overlay clearly shows the close proximity of disadvantaged households to these two



communities. Therefore, the Outreach Subcommittee determined that the outreach meetings scheduled for these communities were prime opportunities to reach the disadvantaged households shown.

In addition to DACs, there are areas within the Antelope Valley Region that were noted to be underrepresented communities living within disadvantaged communities. These communities are composed of minority communities within DACs. There are two areas within the Antelope Valley Region that were identified that can be characterized as underrepresented, and they are both contained within the Cities of Lancaster and Palmdale. These Cities worked to identify the exact community locations to receive public outreach, the Hispanic Chamber of Commerce was contacted in an effort to reach underrepresented minorities in these communities, and events such as the Sun Village Juneteenth Festival, which is traditionally attended by minority community members, were included in outreach efforts to further outreach to underrepresented community members.

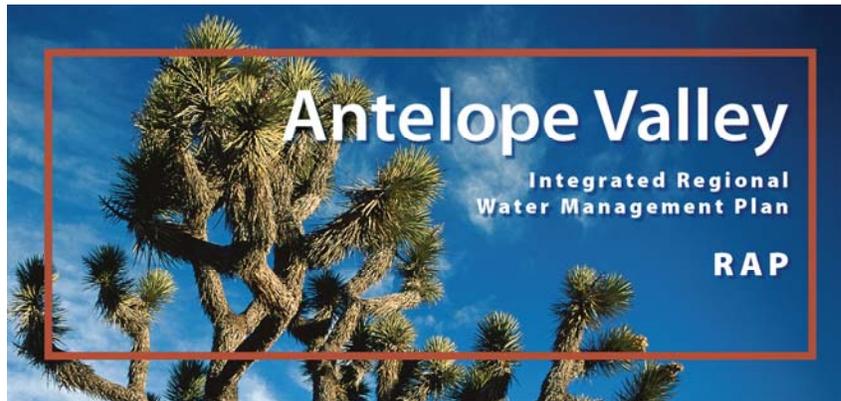
Outreach efforts were also extended at various community wide events such as the annual Antelope Valley Fair and Alfalfa Festival at which booths were coordinated and manned to share information and progress reports regarding the AV IRWM Plan development.

Through this invitation and outreach effort, the Antelope Valley Region includes well over 40 agencies comprised of the eleven-member RWMG, as well as state and federal agencies, recreational and environmental entities, community representatives and environmental justice organizations, DACs including those mentioned above, private interests, educational institutions, and agricultural interests. Refer to Question Nos. 2b & 2c, Table 3 for the full listing of the Antelope Valley stakeholders. Now that the AV IRWM Plan has been adopted, stakeholder meetings are held related to implementation activities. The Outreach Subcommittee is no longer active since the Plan has been adopted, however stakeholders, including DACs are continually encouraged to attend stakeholder meetings, to hear reports of progress by the appointed Advisory Team to the RWMG, to participate in implementation decisions and efforts, and to facilitate the dissemination of information to their respective communities.

Processes to Facilitate Stakeholder Involvement and Communication

This section discusses how stakeholders and DACs were engaged during the AV IRWM Plan planning process and how they were provided information about the benefits to their communities provided through the AV IRWMP Plan process. As mentioned, DACs in particular were identified as key target audiences for the outreach efforts.

During the plan development, outreach efforts continued to identify the issues and needs of the DACs to ensure that their concerns in terms of water and environmental resources were adequately represented in the AV IRWM Plan. Outreach at a minimum consisted of invitations via mail, electronic mail, and telephone. The Outreach Subcommittee worked directly with community leaders and RWMG members, and gathered input from all stakeholders to develop a strategy to make effective presentations and build effective relationships. The outreach Subcommittee members provided technical assistance and other resources, as well as encouraged participation from the smaller DACs within the Stakeholder Group.



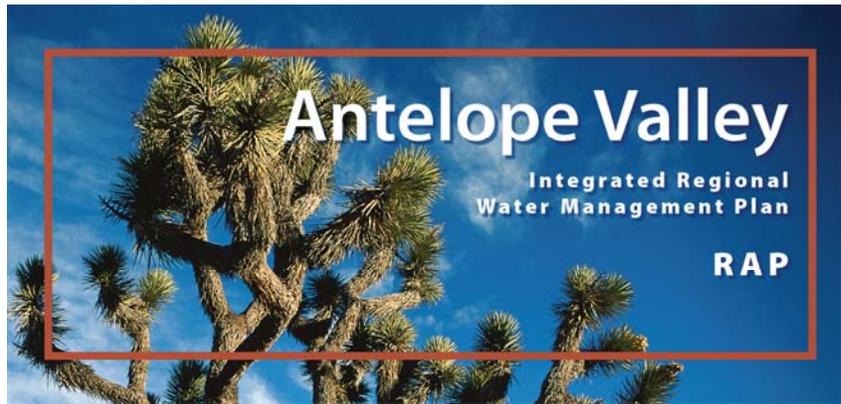
The Public Outreach Subcommittee contacted community groups within the identified DACs to schedule additional outreach meetings. Contacts were made with the Mojave Chamber of Commerce, Mojave School District, and Mojave Utilities District based on information received from the Mojave Desert News reporter who covered the Stakeholder Group meetings. Subcommittee members representing the Cities of Palmdale and Lancaster assisted in arranging community meetings to present the AV IRWM Plan and gathered information from residents in the identified DAC areas of their respective cities. Presentations were given in Town Council meetings in Lake Los Angeles, Littlerock, and Roosevelt in order to reach the DACs living in those areas.

Concurrent with identification of underrepresented DAC areas, Public Outreach Subcommittee members provided all meeting materials in printed and electronic formats and also prepared all materials in English and Spanish for distribution. Meeting materials included a PowerPoint presentation, a listing of RWMG general stakeholder meetings, a list of technical resources, AV IRWM Plan goals and objectives, and a list of proposed project ideas.

During development of the AV IRWM Plan, major decisions were made through the approach of “facilitated broad agreement,” whereby the RWMG was the governing body and invited stakeholder involvement beyond the MOU signatories through frequently scheduled stakeholder meetings. The meetings were led by a professional facilitator with no direct association or stake in the outcome of any actions considered within the Plan. Material for the Plan discussed in each meeting was developed in cooperation with RWMG members and other stakeholders and made available for review and comment by the stakeholders. The Antelope Valley IRWMP website, www.avwaterplan.org, provides a mechanism for stakeholders to upload project information, including submittal of new project ideas and concepts.

Processes for facilitated stakeholder involvement and communication while implementing the AV IRWM Plan, including updating the Plan, will be similar to those used to develop the Plan. The stakeholder group continues to meet at least once per quarter since the adoption of the Plan in December of 2007 and January of 2008. Meeting materials for these meetings can be found on the AV IRWMP website (and in the attachments to Section 7 of this RAP).

Additionally, the governance structure for the AV IRWM Plan is designed to encourage regional participation, to accept project proposals on an ongoing basis, to continue to reach out to DACs, and to provide technical assistance to those who need it. DACs will be continually represented in the Stakeholder group so that the AV IRWM Plan will address the diverse issues and needs of the Antelope Valley Region, now and in the future.



No. 3b

Explain how the IRWM region is inclusive and utilizes a collaborative, multi-stakeholder process that provides mechanisms to assist DAC; address water management issues; and develop integrated, multi-benefit, regional solutions that incorporate environmental stewardship to implement future IRWM plans.

The Antelope Valley Region is inclusive by ensuring that the area within the Region boundary includes the key agencies with shared water resources dealing with similar water management issues, such as increasing population, limited infrastructure, and increasing pumping costs.

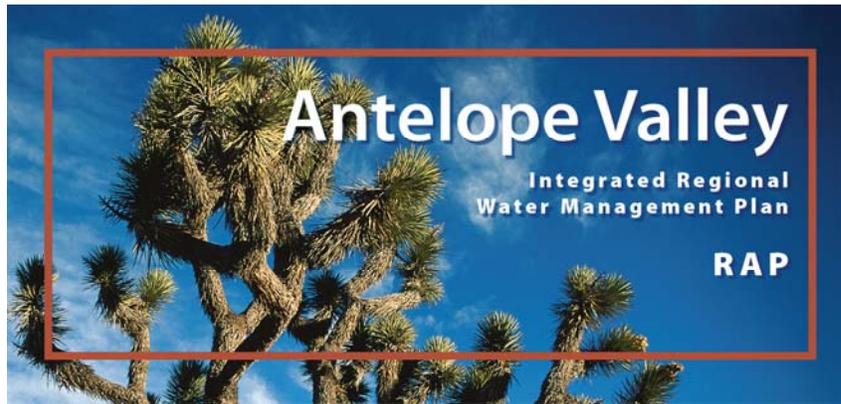
The Region utilizes a collaborative, multi-stakeholder process that provides mechanisms to assist stakeholders and DACs by developing and implementing an outreach strategy that encourages and establishes multi-stakeholder and DACs participation in the AV IRWM Plan. As said previously, the extensive stakeholder outreach process was crucial to ensure that the Plan reflected the needs and interests of the entire Region. Members of the RWMG and other stakeholders participated in nineteen stakeholder meetings prior to IRWMP adoption and six additional meetings since that time, numerous DAC outreach and technical subcommittee meetings, reviewed draft materials, and provided extensive collaborative input to shape this IRWM Plan. No communities within the Region were barred from participation, technical assistance was provided where needed, and information about the Plan was provided in multiple formats and languages. Participation documented in stakeholder sign-in sheets is in the AV IRWM Plan and exemplified in continued participation in quarterly stakeholder meetings.

This Region, through the extensive outreach efforts and committee meetings, has been developed in a manner that will allow for appropriate and effective continued collaboration between the stakeholders that is necessary to address water management and environmental stewardship issues with the Antelope Valley Region and to develop regional solutions with multiple benefits.

No. 3b

Discuss how the outreach efforts address the diversity of water management issues, geographical representation, and stakeholder interests in the region.

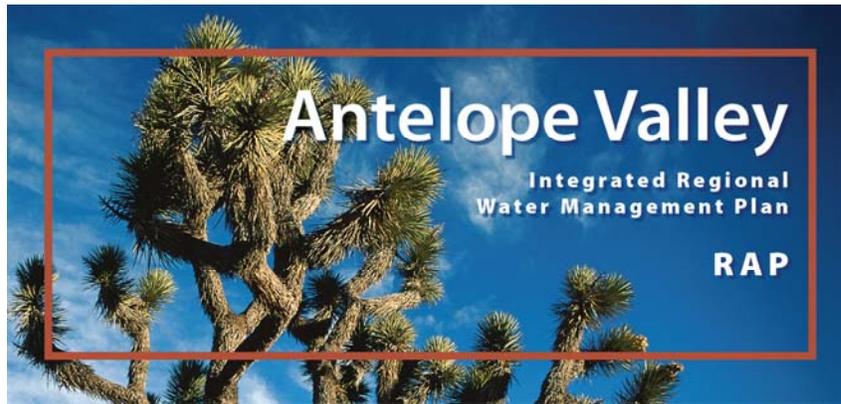
Water management issues in the Antelope Valley Region are diverse, numerous, and present a regional problem, necessitating a regional solution. All the water currently used in the Valley comes from four primary sources; naturally occurring surface water, the Antelope Valley Groundwater Basin, imported State Water Project water, and treated wastewater. With proper treatment, imported water is generally high quality water well-suited for municipal and industrial uses; however, the current reliability of the supply is variable, at best. Groundwater levels in the Region have been declining over time; the quality is generally good but there is concern with respect to arsenic, nitrate, and salt, especially in a closed basin; and the Region is currently undergoing an adjudication process. The expected continuation of rapid growth in the Region will affect water demand and increase the threat of water contamination from additional wastewater and urban runoff. Increasing demands coupled with recent



curtailments of SWP deliveries have intensified the competition for available water supplies; competition which has often limited the water available for natural habitat within the Antelope Valley. Therefore, outreach efforts included the water, wastewater, and stormwater management agencies within the Region.

The Antelope Valley encompasses a large geographical area that includes the major communities of Boron, Lancaster, Mojave, Palmdale and Rosamond, and a social and cultural history that includes industry dominated by the Edwards Air Force Base and agriculture. Accordingly, outreach efforts extended beyond those discussed above to include the agencies necessary to represent this social and cultural history including DACs, agricultural farmers, and the air force base.

These potential impacts could affect most residents within the Antelope Valley Region. In order to implement a viable action plan to address all of these issues, broad representation and active involvement of stakeholders throughout the Antelope Valley was needed to agree upon the implementation of the AV IRWM Plan.



REVIEWER INFORMATION

Does the RWMG allow the public to participate in regular meetings? Is there an established method of posting meeting agendas, notices, and minutes? Are they posted with sufficient lead time for the public to participate in meetings?

Is it clear who the public should contact within the RWMG if they have questions regarding regional water management efforts or IRWM planning and implementation in the region? Are there public meetings held to solicit public comments ahead of major decisions to be made by the RWMG? What is the process for the public to provide input to RWMG on regional water management and/or on IRWMP? And what is the process being used by the RWMG to evaluate and respond to that input?

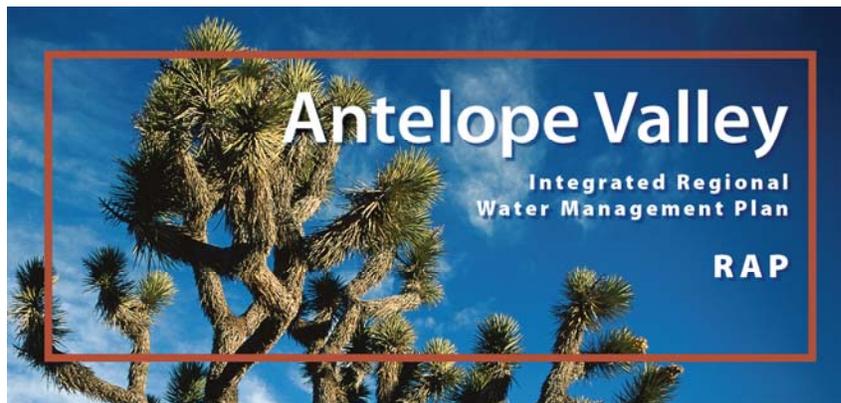
QUESTION	WHAT TO SUBMIT
No. 4	A description of the process being used that makes the public both part of and aware of the regional management and IRWM efforts. Discuss ways for the public to gain access to the RWMG and IRWM process for information and how they could provide input.

Planning Process

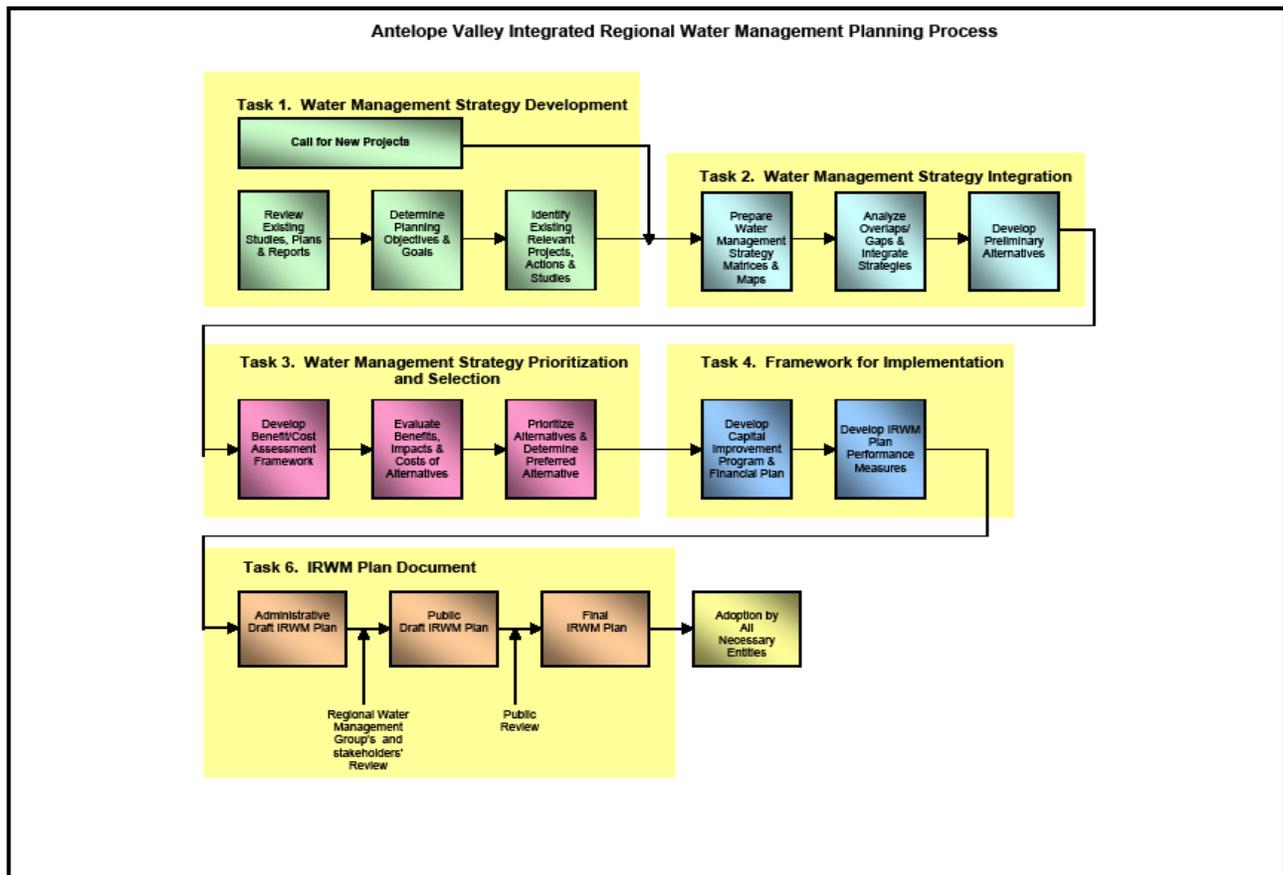
The planning process utilized in the development of the AV IRWM Plan recognized the importance of three key elements to any successful public policy planning exercise: people, information, and action. First and foremost, the planning process was for the benefit of the people in the Antelope Valley Region. This regional planning process was designed to provide a forum for safe and effective dialogue among the various groups of stakeholders. The group agreed to the following steps for interaction through a professionally facilitated process while developing the AV IRWM Plan:

- Adopt Specific Measurable Attainable Relevant Time-based (SMART) goals;
- Create a safe place for interaction;
- Establish a clear course of action;
- Demonstrate tangible progress; and
- Iterate until group is satisfied.

Second, the regional planning process provided useful, broadly accepted information that supported clear action. The information gathering and generation portion of this process is summarized in Figure 4-1, Antelope Valley IRWM Plan Planning Process.

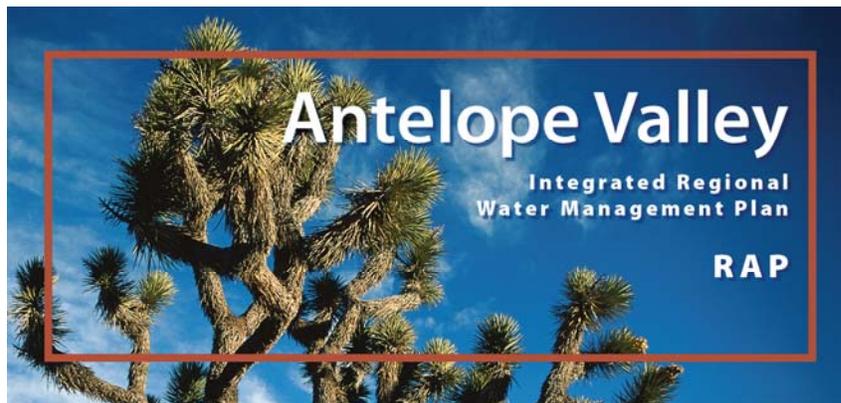


**FIGURE 4-1
ANTELOPE VALLEY IRWM PLAN PLANNING PROCESS**



The planning process included the following key steps:

- Identify the Antelope Valley Region’s issues and needs: Illustrate the issues and needs of the Antelope Valley Region related to water resources in a manner that reflects the majority of Stakeholder concerns. These issues and needs are what drive the Stakeholders into taking action.
- Identify clear plan objectives: Collectively establish the quantifiable objectives that the regional entities will work together to accomplish between now and 2035.



- Water Management Strategy Development: Involves reviewing existing documents to identify projects within the following water management strategy areas that could satisfy the IRWM Plan objectives: water supply, water quality, flood management, environmental management, and land use management. Also includes a discussion of the Call for Projects in which Stakeholders submitted projects for inclusion in the IRWM Plan.
- Integration: Involved water management strategy integration between projects and among IRWM Plan objectives.
- Evaluation and Prioritization: Includes identifying short-term and long-term regional priorities, evaluating and ranking Stakeholder-identified projects and management actions, and identifying which projects the group would take “action” on first. This step also includes a discussion of the impacts and benefits of the IRWM Plan, and a discussion of the benefits and costs of the prioritized projects chosen for implementation.

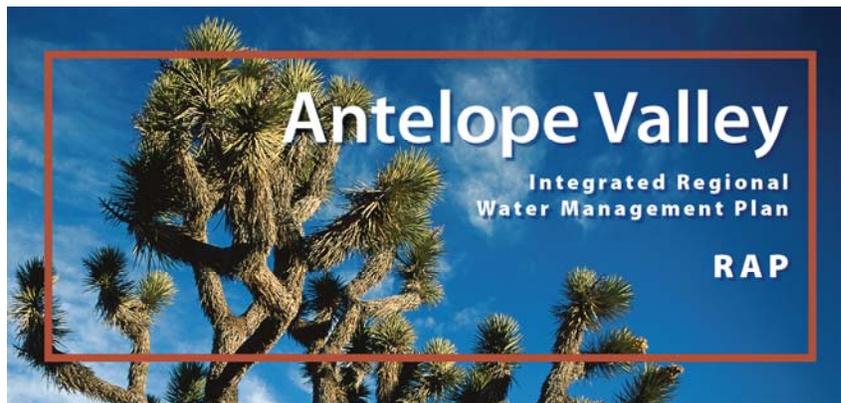
Third, this planning process must empower the entities within the Antelope Valley Region to take meaningful action. The implementation plan provides the linkage to local planning entities, the governance structure and framework for implementing the Plan, options for financing, sources of funding and a list of performance measures that will be used to gauge progress, data management tools, and a means to update the Plan into the future.

Throughout the development of the IRWM Plan, from the Administrative Draft to the Final Plan, public comments as well as Stakeholder comments on the Plan’s content have been reviewed, evaluated, discussed amongst the Stakeholder group as necessary, and incorporated into the document as appropriate. These comments have been summarized into a comment response matrix that is included in the Final Plan.

The RWMG formed through the MOU and later amended “Agreement” and the planning group composed of a broad range of stakeholders was used as the institutional structure to develop the Plan. The RWMG has operated over the past year using a systematic approach called “facilitated broad agreement.” Meetings were led by a professional facilitator with no direct association or stake in the outcome of any actions considered within the Plan. During these meetings an agreed upon “Code of Conduct” was followed to foster open dialogue and provide meaningful discussions.

The “Code of Conduct” included the following:

- Be **willing**: choose to participate fully.
- Be **kind**: choose to treat others with dignity and respect.
- Be **open**: choose to consider new ideas and perspectives.
- Be **truthful**: choose to share accurate facts.



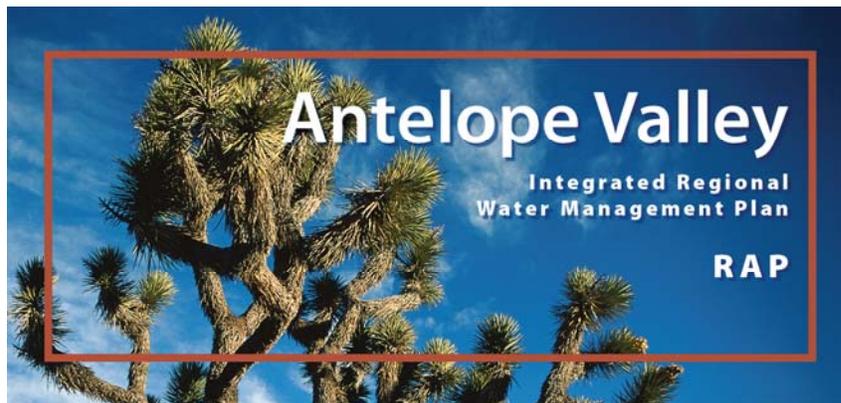
Material for the Plan discussed in each meeting was developed by a consultant team in cooperation with RWMG members and other stakeholders and made available for review and comment by the stakeholders. The stakeholders decided that they would continue to use the current method of “facilitated broad agreement” to make decisions about implementing and updating the Plan. In addition, the stakeholders will research and discuss options for long-term, sustainable governance models such as joint powers authorities and special districts to strengthen the current model.

The Plan, at a minimum, will be updated every two years as planning is conducted, projects are developed and objectives and priorities are adjusted. There will be an ongoing process for updating the prioritized project list, through regular quarterly updates with additional meetings and revision as needed before major grant applications, as conditions change, funding is identified, projects are implemented and objectives revised. The Plan website, www.AVWaterPlan.org, provides a mechanism for stakeholders to upload project information, including submittal of new project ideas and concepts.

Methods for Participation

The AV IRWM Plan was developed to evaluate and address regional issues while recognizing and honoring local conditions and preferences. In order to accomplish this delicate balance, an effective process to involve stakeholders and incorporate their input was necessary. The process centered on, at a minimum, monthly stakeholder meetings open to the public where attendees were invited to participate in several ways. Attendees were asked to participate in facilitated discussions of major items of interest, to review draft plan chapters, and to provide input on the agenda for upcoming stakeholder meetings. These meetings were announced to a broad distribution list via e-mail and all materials developed for use in stakeholder meetings were made available on the project website. The methods for stakeholder involvement and input are described below:

- **Review of Plan Sections:** The AV IRWM Plan synthesizes and extends a significant body of work related to water supply, water quality, and open space for the Antelope Valley Region. This information was synthesized and generated incrementally and provided to all interested stakeholders periodically for review. Given the incremental development and review cycle, stakeholders had multiple opportunities to provide input and the material was adopted only after the stakeholders reached facilitated broad agreement on the material. The subjects of the chapters include: introduction, Region description, key issues and needs, Plan objectives, water management strategy development, water management strategy integration, water management strategy prioritization and selection, and framework for implementation. These chapters incorporate and integrate stakeholder-generated information and aggregate this information across the entire Antelope Valley Region. In addition, a summary of existing plans, reports, studies, and interviews with selected stakeholders to obtain the individual perspective of those entities have been compiled for reference.
- **Monthly Stakeholder Meetings:** These meetings provide background on the planning process; identify issues, opportunities and constraints; consider opportunities for project integration, and

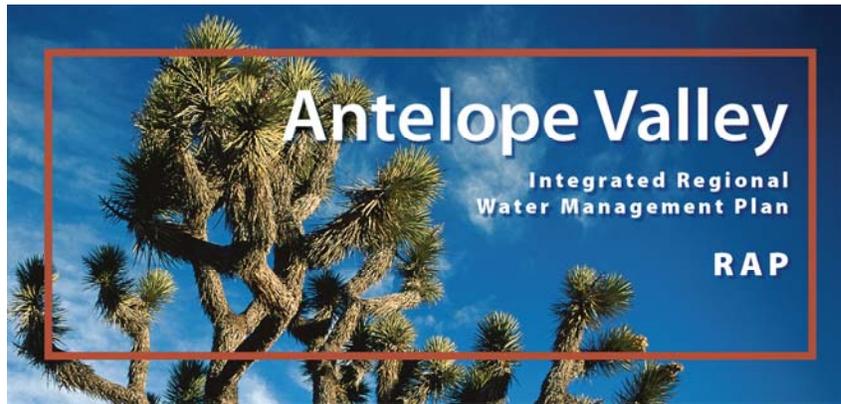


identify comments on the chapters and draft plans. They also provide a forum for more detailed discussion of the issues related to development of this IRWM Plan, including the prioritization and selection of projects for Round 2 of Proposition 50, Chapter 8, Proposition 84, and Proposition 1E.

- **Project Website:** A project website was developed (www.avwaterplan.org) to facilitate the distribution of project information to stakeholders. The website contains background information about Plan development, a schedule of meetings, meeting agendas and minutes, and contact information. The website also includes a database tool through which stakeholders could submit or review projects or project concepts.
- **Electronic and Written and Communications:** Electronic mail was the main tool used to maintain a high level of stakeholder communication and engagement. All meetings and public hearing announcements were sent as far in advance as possible to stakeholders. Various stakeholder groups also forwarded these messages to their constituencies, thereby reaching additional stakeholders. In addition, written communications in the form of letters to cities and press releases to the media were utilized to expand awareness of, and participation in, this IRWM Plan development. Regular attendance at stakeholder meetings by members of the local press also went a long way toward keeping the residents of the Antelope Valley Region informed.
- **Media Coverage:** Progress of the RWMG plan development was also covered by two reporters who regularly attended stakeholder meetings representing the Antelope Valley Press, which has a daily circulation in the Valley of over 26,000 people, and the Mojave Desert News, which covers the California City region. Subcommittee members found that many residents were already aware of the AV IRWM Plan because of the continuous coverage by these two newspapers. Their exposure has greatly helped keep members of the general public and DACs informed about the IRWM Plan updates. Additionally, two general public meetings were held to give an overview of the Draft IRWM Plan, answer questions and gather public feedback and comments. To increase involvement, one meeting was held in the southern portion of the Region and the other, in the northern portion of the Region.

Processes for facilitated stakeholder involvement and communication while implementing the AV IRWM Plan, including future activities for updating the Plan, will be similar to those used to develop the Plan. The stakeholder group continues to meet at least once per quarter since the adoption of the Plan in December 2007 and January 2008. Meeting materials for these meetings can be found on the AV IRWMP website (and in the attachments to Section 7 of this RAP).

Additionally, the governance structure for the AV IRWM Plan is designed to encourage regional participation, to accept project proposals on an ongoing basis, to continue to reach out to DACs, and to provide technical assistance to those who need it. DACs will be continually represented in the Stakeholder group so that the AV IRWM Plan will address the diverse issues and needs of the Antelope Valley Region, now and in the future.



REVIEWER INFORMATION

Are the roles and responsibilities of the RWMG clearly supportive of regional planning?

Does the RWMG operate in a collaborative manner? Is it clear how decisions are made, including establishing plan goals and objectives, financing RWMG activities, implementing plan activities, and making future revisions to the IRWM plan?

Who participates in the decision making process? Are all of the RWMG members involved or are there designated committees? Does the governance structure allow only certain members to vote on decisions? Does the decision making process include all participation of stakeholders and smaller entities? Do members have to contribute financially to the RWMG to be allowed to vote?

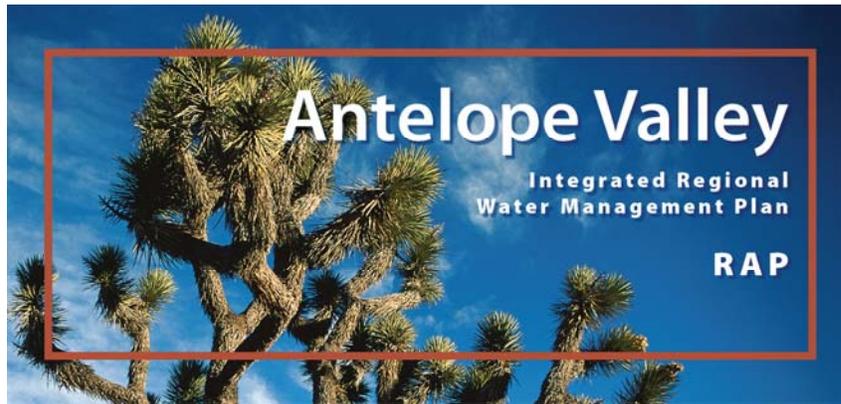
Can the RWMG governance structure facilitate the sustained development of the IRWM region now and beyond the current IRWM funding programs? Does the group require members to contribute to the group's expenses, and if not, how will the group identify a budget for its operations, such as plan updates?

Will the governance structure facilitate development of a single collaborative water management portfolio, prioritized on the regional goals and objectives of the IRWM region?

QUESTION	WHAT TO SUBMIT
No. 5a	A description of the RWMG governance structure and how it will facilitate the sustained development of regional water management and the IRWM process, both now and beyond the state grant IRWM funding programs.

The RWMG was originally formed through a Memorandum of Understanding (MOU) among 11 public agencies for development and implementation of the IRWM Plan. Since the adoption of the IRWM Plan in December of 2007 and January of 2008, an Agreement on the Implementation of the Integrated Regional Water Management Plan (Agreement) among 12 public agencies has been developed to include the implementation roles and responsibilities identified for governance of the IRWM Plan. Both the MOU and the Agreement are provided as an attachment to Section 1 of the RAP. Each agency designates one representative to participate in the RWMG. The purposes of the RWMG are to engage the various stakeholder interests throughout the Antelope Valley in implementing the IRWMP through broad facilitated agreement and coordinating the application for and administration of regional grant or other funding to supplement the costs of implementing the IRWMP.

The MOU also created an Advisory Team to provide focused initiative and effort to implement the IRWMP. The Advisory Team is comprised of 7 members selected by the Stakeholder Group representing categories of water-related interests. The Advisory Team, in representing seven categorical interest groups representative of the whole including agriculture; conservation, environmental, and water quality; industry and commerce; municipalities; mutual water companies; public/land owners/rural town councils; and urban water suppliers, is responsible for:



- Scheduling and facilitating stakeholder meetings.
- Drafting agendas and preparing minutes for the stakeholder meetings.
- Distributing information to stakeholders.
- Developing a list of short-term implementation objectives for consideration and approval by the RWMG and stakeholders.
- Maintaining a list of long-term implementation objectives for the RWMG to address and update at stakeholder meetings.
- Recommending an annual scope and budget to the RWMG.
- Maintaining the AVIRWMP website.
- Identifying grant opportunities for which the RWMG or its members may apply.

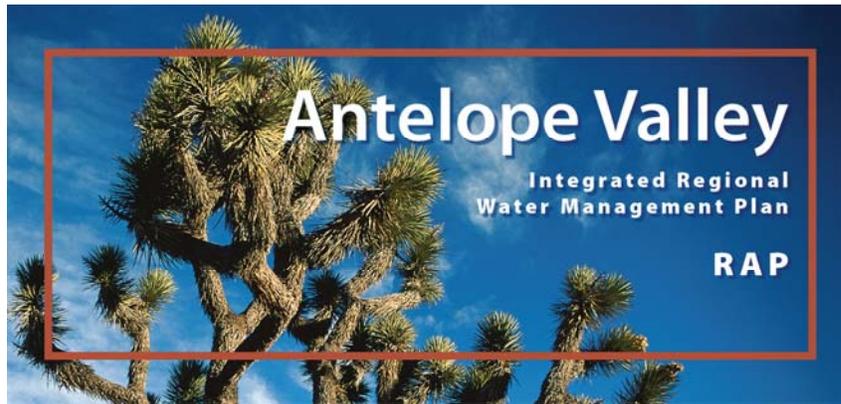
The RWMG has agreed to evaluate the effectiveness of this governance structure annually, and to explore additional options for governance structures for integrated regional water management in the Antelope Valley. While initial funding for the IRWM effort was provided by the RWMG members through the MOU and Implementation Agreement, and that grant opportunities exist that are well suited for many of the projects that are identified for implementation in the IRWMP, there is recognition that sources of funds for projects will also need to include: water and wastewater general funds, capital improvement funds, general funds from local Cities and/or County departments, as well as funding support from private organizations, member dues, and other sources. Local taxpayers may also vote to fund projects through rate increases, and bond measures.

QUESTION	WHAT TO SUBMIT
No. 5b	Discuss how decisions are made. Identify the steps in which RWMG arrives at decisions and how RWMG members participate in the decision-making process.

All decisions of the RWMG have been and will continue to be made through broad facilitated agreement at Stakeholder Meetings. Whenever a decision needs to be made, the discussion between the RWMG members and the Stakeholder Group is facilitated until all members agree on a course of action. Below are two examples of the process used to reach agreement in various stages of development of the IRWMP.

Establishing IRWMP objectives

Early in the development of the IRWM Plan, the Stakeholder Group was asked to brainstorm preliminary objectives for the issues and needs of concern for the Antelope Valley Region. This list was revised and a draft list of objectives presented to the Stakeholder Group in December 2006. At the



January 2007 Stakeholder meeting, a draft list of objectives was discussed amongst the entire group and new stakeholder comments were reviewed and incorporated into the objectives, as appropriate. The list was then finalized and incorporated into the IRWMP.

Prioritizing Projects

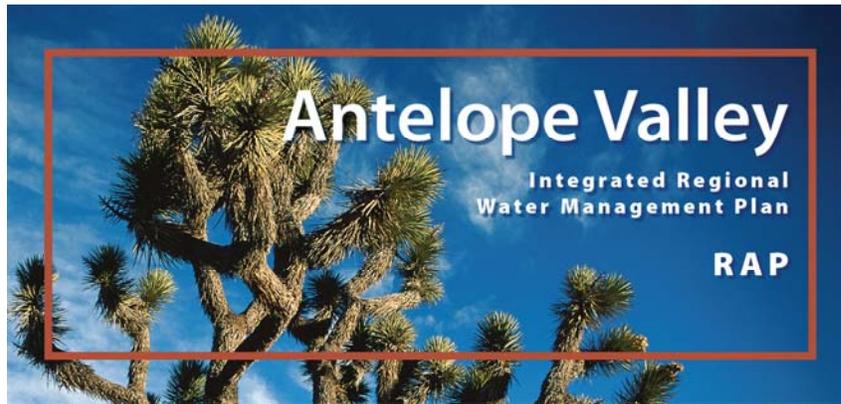
In order to prioritize the projects proposed in the IRWMP, the Stakeholder Group and RWMG, again through a process of broad facilitated agreement, created a project evaluation matrix which is described in detail in Section 7.3 of the IRWMP. All projects that are identified in the IRWMP were evaluated and ranked using this matrix and received a final ranking of either high, medium or low.

As part of the MOU, the RWMG has designated the Antelope Valley State Water Project Contractors Association to solicit and administer contracts with one or more third-party consultants, to assist the RWMG to promote collaboration between members of the RWMG and other stakeholders during implementation of the Plan, prepare grant applications, update the IRWMP, and manage data collected consistent with the IRWMP on behalf of the RWMG. Any contract recommended by the Association is subject to the written approval of each member of the RWMG.

QUESTION	WHAT TO SUBMIT
No. 5c	<p>Describe how the RWMG will incorporate new members into the governance structure. Explain the manner in which a balance of interested persons or entities representing sectors and interests have been or will be engaged in the process, regardless of their ability to contribute financially to the plan.</p>

The MOU identifies how the RWMG will incorporate new members. When approved by all parties, new members may join the RWMG by adopting the IRWMP and executing the MOU. The MOU also states that, when appropriate, new members may pay a reasonable sum as the existing RWMG members shall determine. The MOU intentionally does not identify a level of financial contribution for each member. Any action of the RWMG requiring funding from the members, including updates to the IRWMP, will require a separate agreement approved by the governing boards of each respective member.

The RWMG has engaged a balance of interested persons or entities representing sectors or interests by conducting all business in consultation with the larger Stakeholder Group in meetings which are open to the public. The Stakeholder Group includes all participants within the IRWMP process including agencies that comprise the RWMG as well as an extensive mix of other cities and regulatory, environmental, industrial, agricultural, and land-use planning agencies that represent all areas of the Antelope Valley Region. The Stakeholder Group met at least once per month while the IRWMP was being developed to allow for discussion of issues facing the Antelope Valley Region. Through the facilitated broad agreement approach, decisions on behalf of the RWMG were made by this larger Stakeholder Group. The Stakeholder Group now meets at least once per quarter (4 times per year) to

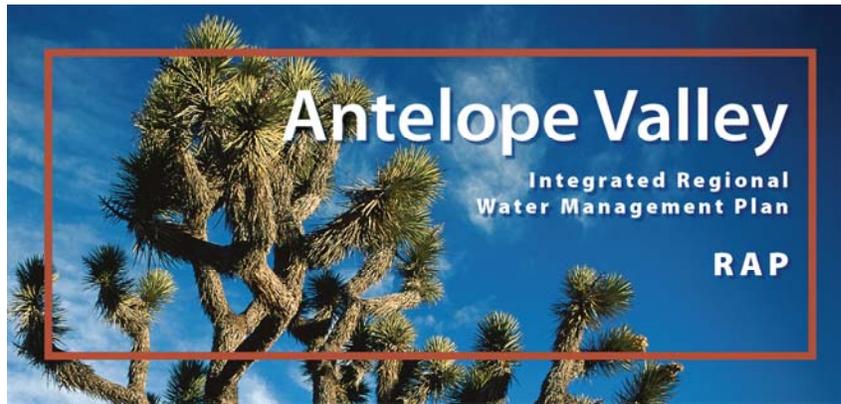


review progress with IRWMP implementation and to consider updates to the IRWMP (such as newly proposed projects or management actions that address the Regional Plan objectives).

The RWMG also utilizes the website, www.avwaterplan.org, and an email distribution list to provide information about its activities to the general public. Representatives from the local print media regularly attend Stakeholder Meetings and publish articles concerning the RWMG’s activities.

QUESTION	WHAT TO SUBMIT
No. 5d	Describe how the governance structure facilitates development of a single collaborative water management portfolio, prioritized on the regional goals and objectives of the IRWM region.

The adopted IRWMP developed a single collaborative water management portfolio for the Antelope Valley by identifying the projected water demands for the entire region and all supplies available to the region. The members of the RWMG that are water suppliers or retailers recognize the importance of integrated regional planning and are already in discussion about updating the IRWMP on a 5-year schedule rather than preparing separate urban water management plans for each water agency in the region. These updates to the IRWMP to comply with the amendments to the urban water management planning act will be facilitated through the RWMG. Because the RWMG includes members that are not water suppliers and invites participation from the entire Stakeholder Group, the existing structure of the RWMG is facilitating collaborative water management planning. The reality of collaborative water management in the region will be evident by the region’s ability to prepare and submit an updated IRWMP in-lieu of separate urban water management plans to the Department of Water Resources in 2010.



REVIEWER INFORMATION

Does it appear that the IRWM region boundary was based solely on political boundaries?

Is it clear what is the basis and rationale for the IRWM region boundary? Does it make sense for long term water management?

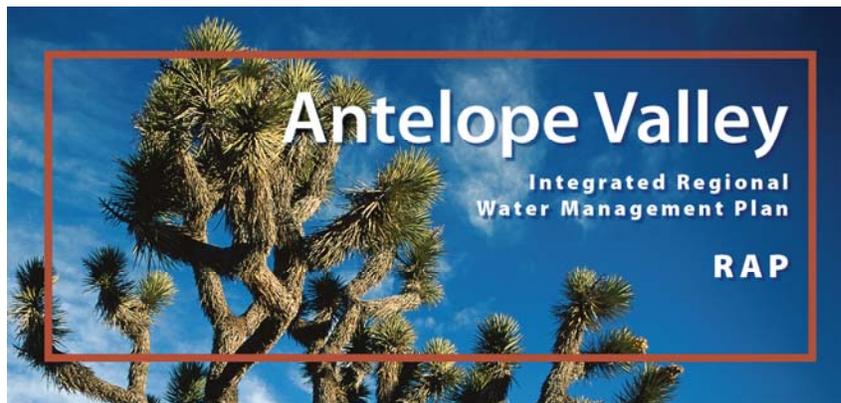
Does the IRWM region boundary consider multiple water management boundaries such as watersheds and groundwater basins?

Does the region boundary appear appropriate given the context of the region's unique water management issues?

Does the IRWM region encompass the service areas of multiple local agencies? Does it appear that the IRWM region is structured to maximize opportunities to integrate water management activities related to natural and man-made water systems, including water supply reliability, water quality, environmental stewardship, and flood management?

QUESTION	WHAT TO SUBMIT
No. 6a	<p>Present the IRWM regional boundary. Indicate in the submittal which boundaries are included and if/how they affect the determination of the region boundary:</p> <ul style="list-style-type: none"> • Political/jurisdictional boundaries; • Water, conservation, irrigation, and flood district boundaries; • Watershed management areas; • Groundwater basins as defined in DWR Bulletin 118, Update 2003 – California’s Groundwater; • RWQCB boundaries; • Floodplain maps (i.e. FEMA/Corps of Engineers); • Physical, topographical, geographical and biological features; • Surface water bodies; • Major water related infrastructure; • Impaired water bodies; • Population; • Biological significant units or other biological features (critical habitat areas); and • Disadvantaged communities with median household income demographics

The Antelope Valley Region consists of 2,400 square miles in the southwestern part of the Mojave Desert in southern California. Most of the Antelope Valley Region is in Los Angeles County and Kern County, and a small part of the eastern Antelope Valley Region is in San Bernardino County. For the purposes of this IRWM Plan, the Antelope Valley Region is defined by the Antelope Valley’s key hydrologic features; bounded by the San Gabriel Mountains to the south and southwest, the Tehachapi Mountains to the northwest, and a series of hills and buttes that generally follow the San Bernardino County Line to the east, forming a well-defined triangular point at the Antelope Valley Region’s western



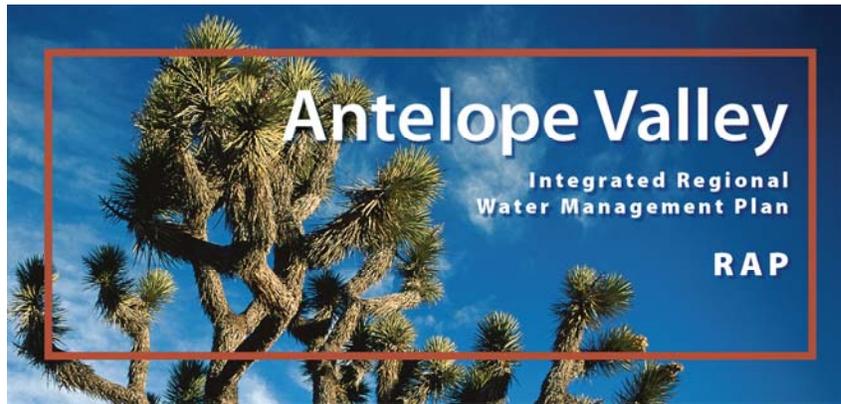
edge. The drainage basin was chosen as the boundary for this IRWM Plan because it has been used in several older studies such as “Land Use and Water Use in the Antelope Valley” by the United States Geological Survey (USGS) and “The Antelope Valley Water Resource Study” by the Antelope Valley Water Group. The area within the boundary also includes key agencies dealing with similar water management issues such as increasing population, limited infrastructure, and increasing pumping costs with shared water resources and, therefore, it was an appropriate boundary to define for this IRWMP. Figure 1 in Section 10, Antelope Valley IRWM Plan Region, provides an overview of the Antelope Valley Region.

The Antelope Valley Region encompasses most of the northern portion of Los Angeles County and the southern region of Kern County. Bordered by the mountain ranges to the north, south, and west and the hills and buttes along the east, the Antelope Valley Region is composed of the following major communities: Boron, parts of California City, Edwards Air Force Base (AFB), Lancaster, Mojave, Palmdale, and Rosamond. Smaller communities include Littlerock and Quartz Hill. These communities are predominantly concentrated in the eastern portions of the Antelope Valley Region. See Figure 3 in Section 10 of this RAP for a map of these Towns.

Four major roadways traverse the Antelope Valley Region. The Antelope Valley Freeway (State Route 14) and the Sierra Highway both bisect the Antelope Valley Region from north to south. The Pearblossom Highway (Highway 138) traverses the southeastern and central-western portions of the Region in an east-west direction. Highway 58 traverses the northern portion of the Region in an east-west direction. Refer to Figure 4 in Section 10, Antelope Valley Service Districts, and Figure 5 in Section 10, Antelope Valley City Boundaries and Special Districts, for maps showing the locations of the major roads, county lines, city lines, special districts, and water agency service areas within the Antelope Valley Region.

The Antelope Valley IRWMP Region only encompasses the Antelope Valley Watershed, the primary watershed. The Antelope Valley Watershed is a closed topographic basin with no outlet to the ocean. All water that enters the watershed either infiltrates into the groundwater basin, evaporates, or flows toward the three dry lakes on Edwards AFB; Rosamond Lake, Buckhorn Lake, and Rogers Lake. These hydrologic features are shown on Figure 6 in Section 10. In general, groundwater flows northeasterly from the mountain ranges to the dry lakes. Due to the relatively impervious nature of the dry lake soil and high evaporation rates in the Region, water that collects on the dry lakes eventually evaporates rather than infiltrating into the groundwater.

The Antelope Valley represents a large topographic and groundwater basin in the western part of the Mojave Desert in southern California. The Region occupies part of a structural depression that has been down faulted between the Garlock, Cottonwood-Rosamond, and San Andreas Fault Zones. The Antelope Valley Groundwater Basin is the hydrologic unit that defines the boundary for the Region. The complex Basin is divided by the USGS into twelve subunits as shown on Figure 8 provided in Section 10. An adjudication process for the Antelope Valley Groundwater Basin is currently in progress. As part of that proceeding, County Superior Court Judge Jack Komar ruled that for purposes of the adjudication, the groundwater basin, described in DWR’s Bulletin 118-2003 (see Section 8



attachments for description), will serve as the geographic boundary for determining the basin’s water balance. The court ruling also concluded that while “adjacent valleys may also have conductivity and potentially some impact on the aquifer, the amount of flow at the present time and historically has been nominal and will likely remain so for the indefinite future”, and excluded them from the jurisdictional boundary. In addition, the Antelope Valley adjudication process has established that the Antelope Valley basin is separate from the Fremont Valley basin. Thus the Antelope Valley IRWMP boundary is also consistent with the adjudication ruling (provided as an attachment to this section).

<p>No. 6b</p>	<p>Explain how the IRWM region encompasses the service areas of multiple local agencies and will maximize opportunities to integrate water management activities related to natural and man-made water systems, including water supply reliability, water quality, environmental stewardship, and flood management.</p>
	<p>On CD(s), provide map(s) that present the regional boundaries in UTM Zone 10, NAD 27 format, including the above information, as applicable.</p>

The Antelope Valley Region, as evident from the extensive list of RWMG participants provided in Table 1 of Question 2a, represents the majority of water authorities and stakeholders in the Region. Water demands within the Antelope Valley Region are serviced by a variety of water purveyors, including large wholesale agencies, irrigation districts, special districts providing primarily water for municipal and industrial (M&I) uses, investor-owned water companies, mutual water companies, and private well owners. Water supply for the Antelope Valley Region comes from three primary sources: the State Water Project (SWP), local surface water runoff that is stored in Little Rock Reservoir, and the Antelope Valley Groundwater Basin, with recycled water and stormwater used as secondary sources of water supply. Rapid development demands on water availability and quality, coupled with the potential curtailments of SWP deliveries due to prolonged drought periods, have intensified the competition for available water supplies. Consensus was needed to develop a water resource management plan and strategy that addressed the needs of the M&I purveyors to reliably provide the quantity and quality of water necessary to serve the continually expanding Antelope Valley Region, while concurrently addressing the need of agricultural users to have adequate supplies of reasonably-priced irrigation water. For these reasons, the Antelope Valley Region is an appropriate area for integrated regional water management.

The Antelope Valley Region boundary is provided as a shapefile in NAD 27 UTM 10 as an Appendix on CD-ROM to this RAP Application.

Section 6 Attachments

Antelope Valley Groundwater Cases/Order after
Hearing on Jurisdictional Boundaries

1
2 ORIGINAL FILED

3 NOV 08 2006

4 LOS ANGELES
5 SUPERIOR COURT

6
7
8 SUPERIOR COURT OF CALIFORNIA

9 COUNTY OF LOS ANGELES

10
11 Coordinated Proceeding
12 Special Title (Rule 1550(b))

Judicial Council Coordination
Proceeding No. 4408

13 ANTELOPE VALLEY GROUNDWATER
14 CASES

15 Included Actions:

16 Los Angeles County Waterworks District No.
17 40 v. Diamond Farming Co.
18 Los Angeles County Superior Court
Case No. BC 325 201

**ORDER AFTER HEARING ON
JURISDICTIONAL BOUNDARIES**

19 Los Angeles County Waterworks District No.
20 40 v. Diamond Farming Co.
21 Kern County Superior Court
Case No. S-1500-CV-254-348

Hearing Date: October 10, 2006
Time: 10:00 a.m.
Department: 1, Room 534

Judge: Hon. Jack Komar

22 Wm. Bolthouse Farms, Inc. v. City of Lancaster
23 Diamond Farming Co. v. City of Lancaster
24 Diamond Farming Co. v. Palmdale Water
25 District
26 Riverside County Superior Court
Consolidated Action, Case Nos.
RIC 353 840, RIC 344 436, RIC 344 668

27 AND RELATED CROSS-ACTIONS.
28

Antelope Valley Groundwater Cases (JCCP 4408)
Los Angeles County Superior Court, Case No. BC 325 201
Order After Hearing on Jurisdictional Boundaries

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SUPERIOR COURT OF CALIFORNIA
COUNTY OF LOS ANGELES

Coordinated Proceeding
Special Title (Rule 1550(b))

Judicial Council Coordination
Proceeding No. 4408

ANTELOPE VALLEY GROUNDWATER
CASES

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Case No. BC 325 201

**ORDER AFTER HEARING ON
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40 v. Diamond Farming Co.
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Hearing Date: October 10, 2006
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Department: 1, Room 534

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Wm. Bolthouse Farms, Inc. v. City of Lancaster
Diamond Farming Co. v. City of Lancaster
Diamond Farming Co. v. Palmdale Water
District
Riverside County Superior Court
Consolidated Action, Case Nos.
RIC 353 840, RIC 344 436, RIC 344 668

AND RELATED CROSS-ACTIONS.

1 This matter came on for hearing on October 10, 11, and 12, 2006 for purposes of
2 establishing the geographical boundaries for the ground water adjudication of the Antelope
3 Valley coordinated cases. The court heard the testimony of expert witnesses called by the
4 various parties, admitted exhibits into evidence, and heard oral argument.

5 The relief sought in this coordinated case is the adjudication of the claims of all parties
6 who assert a right to the ground water within the Antelope Valley basin based upon the various
7 causes of action and defenses stated by the parties. The court must have jurisdiction of all
8 parties who may have a claim to the ground water at issue and accordingly must determine the
9 geographical boundaries of the ground water basin. All overlying land owners with correlative
10 usufructuary rights and appropriators who produce water from the aquifer are necessary parties.

11 The United States is a major overlying land owner within the basin and has been made a
12 party to this litigation. The United States waives its sovereign immunity pursuant to the
13 McCarran Amendment and may be sued in litigation which involves rights to surface or ground
14 water *only* when the adjudication will be a comprehensive adjudication of all the rights in a
15 river or other water source. 43 U.S.C.S. Section 666(a), *United States District Court for Eagle*
16 *County* (1971) 401 U.S. 520, *United States v. Oregon, Water Resources Dep't* (9th Cir. 1994)
17 44 F. 3d 758.

18 The Watershed

19 The purpose of the comprehensive adjudication requirement of the McCarran
20 Amendment is to ensure that the United States is not subject piecemeal litigation. It is argued
21 that the jurisdictional boundaries must therefore include the watershed in order to satisfy the
22 McCarran Amendment because the watershed does in fact constitute the primary source of
23 natural recharge of the basin aquifer. Hydrologic connection alone is not sufficient. *United*
24 *States v. Eagle County*, supra. The rights claimed in the watershed must be such that without
25 adjudicating those rights in the instant action, the United States (and other parties) would be
26 subject to further, separate litigation regarding other *claims of right* affecting their rights to
27 water within the aquifer. It should not be a potential claim based on some theoretical future
28 conduct, but rather an actual claim based upon an existing right. The focus of this

1 comprehensive litigation is the determination of rights to water that is within the ground water
2 basin. And the watershed is not part of the aquifer within the ground water basin.

3 The parties produced evidence at the hearing concerning the hydrology of the basin,
4 including surface water and ground water, the hydrology of the watershed, and the extent of the
5 relationship between the basin aquifer and the watershed.

6 The Little Rock Creek Reservoir, which controls significant recharge into the Antelope
7 Valley aquifer, and which the court understands is operated by the Palmdale Irrigation District
8 and the Little Rock Creek Irrigation District, is in the watershed and not within the ground
9 water basin. Those districts are properly parties to the litigation because they claim rights to
10 that water and because they exercise discretionary control over the release of the reservoir
11 water for recharge. Any other parties who are similarly situated should also be joined in this
12 litigation.

13 Other *nominal* users in the watershed whose use is fixed by permit or regulation have
14 no rights to water within the aquifer and need not be joined absent some evidence that they
15 have a claim as an appropriator, or otherwise, or are claiming a right to act beyond the
16 parameters of their permit or regulated use to interfere with recharge of the basin aquifer in a
17 material way.

18 Thus, the court declines to define the jurisdictional boundaries to include the watershed
19 area and will limit the boundaries to the basin aquifer itself. However, to the extent that any
20 other identified parties outside the boundaries of the ground water basin make a claim to
21 ground basin water, or who claim a right to control basin recharge water from the watershed,
22 they may be joined as parties upon motion to amend a complaint or cross complaint.

23 The Ground Water Basin

24 The principal area of disagreement in defining the basin relates to the area north of the
25 Willow Springs/Cottonwood fault lines. The specific issue is whether the fault line or bedrock
26 is so impermeable that it constitutes a northerly barrier so no water flows south of the fault line;
27 or on the other hand, whether there is sufficient conductivity between the area north of the fault
28

1 and the balance of the Antelope Valley that the more northerly area should be included within
2 the jurisdictional boundaries for this adjudication.

3 There are some additional areas of dispute involving the North Muroc area on the
4 northeastern boundary of the basin, and the Leona Valley, and related areas, where there are a
5 number wells pumping from fractured bedrock.

6 The court concludes that the alluvial basin as described in California Department of
7 Water Resources Bulletin 118-2003 should be the basic jurisdictional boundary for purposes of
8 this litigation. In addition to the alluvial basin, the adjacent valleys also may have conductivity
9 and potentially some impact on the aquifer. The evidence presently before the court is that the
10 amount of flow at the present time and historically has been nominal and in some cases
11 virtually nil, and will likely remain so for the indefinite future. The court will exclude them at
12 this time from the jurisdictional boundaries. *De minimus non curat lex*. However, any party
13 who believes that there is measurable impact on the aquifer so that particular parties in those
14 areas should be joined may seek leave to do so.

15 The eastern boundary will be the jurisdictional line on the east which was established as
16 the westernmost boundary in the Mojave litigation.

17 These boundaries are established for purposes of ensuring that the most reasonably
18 inclusive boundaries will be used to ensure a complete and final adjudication of rights to the
19 ground water.

20 As the litigation in this case progresses certain geographical areas, upon further
21 evidence, may appear to lack any real connection to the Antelope Valley aquifer and such areas
22 may ultimately be excluded. Other areas may be added as evidence establishes a claim adverse
23 to the rights of the other parties involved in this groundwater adjudication.
24 Again, any party who believe that parties who are not within the jurisdictional bounds should
25 be joined may make application to the court to file a cross complaint, or amended complaint or
26 cross complaint (as the case may be) to include such parties.

27 At the next Case Management Conference, counsel should address the possibility of
28 creating defendant subclasses or other remedies for all potential parties who may be in marginal

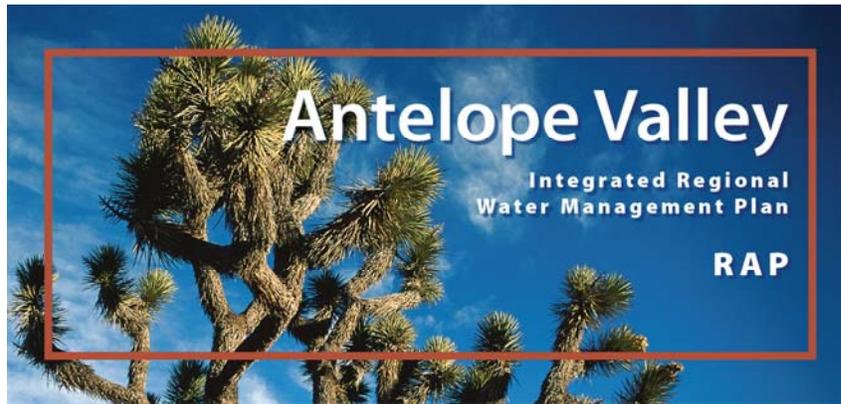
1 water production areas, including various portions of the watershed that are currently excluded.
2 Innovative methods may be used to minimize delay and service issues and expenses.

3 The court reaffirms the Case Management Conference set for November 13, 2006 at
4 1:30 p.m. in the Los Angeles Superior Court, Central District, Department 1, Room 534, 111
5 North Hill Street, Los Angeles, CA 90012.

6
7 SO ORDERED.

8
9 Dated: November 3, 2006

/s/ Jack Komar _____
Judge of the Superior Court



REVIEWER INFORMATION

Is it clear how the history of water management in the region affects the boundaries that exist in the region and how it shapes the water management issues facing the region today?

How has water conflict been resolved in the region? Have there been established water management groups that collaborated to resolve these differences? Is the RWMG associated with these groups? Conflicts may exist and is a common occurrence among any group. Hence, it is important to observe the process and effectiveness that the RWMG has managed to resolve past conflicts and establish procedures and tools to manage potential conflicts in the future. Likewise, it could be a concern if conflicts are known to reviewer(s), and yet, they are not identified and described in the submittal.

Does the submittal provide a comprehensive understanding of the water resources available to the region and provide context to the region's water management challenges today and into the future?

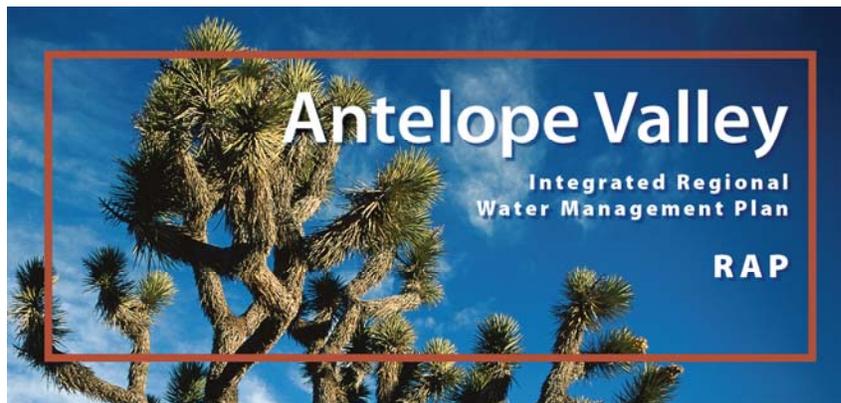
Based on the efforts described, does it appear that multi-benefit, integrated, programs and projects will be developed to meet regional priorities? It is not necessary for the RWMG to identify or discuss specific projects. The purpose of this question is to determine if the described efforts and process would most likely result in a list of programs and projects that meet a shared vision of regional priorities.

Are the extent and conditions of the water infrastructure in the region well understood? Is it clear where the critical components of the water system reside and the parties responsible to manage and maintain them historically? When were they put into service and is there capital improvement plans to repair or replace them in the near future?

Does the described system omit any obvious water-related components such as watersheds, surface water impoundments, ground water basins, water collection systems, distribution systems wastewater systems, flood water systems, or recharge facilities?

QUESTION	WHAT TO SUBMIT
No. 7a	A description of the history of IRWM efforts in the region. Describe how the region boundary relates to the current water resources and historic water management issues in the region?

Before efforts began to create this IRWM Plan, individual water purveyors and users were actively studying the effects of recent accelerated development of the Antelope Valley Region and were attempting to identify appropriate actions to address the growing pressure on water services. The recent acceleration of industrial and residential activity stimulated demand for both more water and higher quality water. Attempts by individual agencies to meet the growing challenges were frequently criticized and the atmosphere was one of mistrust with fierce competition among water users for limited water supplies. Water managers and stakeholders in the Antelope Valley Region began to recognize that some of the challenges being faced by residents could not be addressed using a single-agency or single-purpose perspective. They agreed that water resource needs in the Antelope Valley Region are



highly interconnected and require a broad and integrated perspective in order to provide efficient and effective services throughout the Antelope Valley Region.

Acknowledging the need for a more comprehensive view, proactive stakeholders (including agencies with an interest in water and other resource management) in the Antelope Valley Region began meeting in mid- 2006 to improve communication and explore opportunities to leverage their resources.

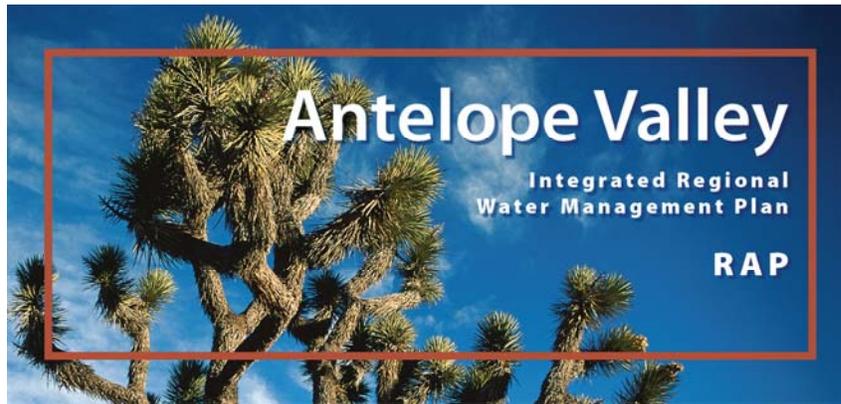
Early in their discussions, the stakeholders decided to develop a plan with a regional focus designed to identify a set of integrated solutions addressing goals for water supply, water quality, habitat improvement, and increased recreational parks and open space. The stakeholders acknowledged that no single funding source will be sufficient to pay for all of the warranted actions.

The actual "IRWMP" development process begun in late 2006 through a series of Stakeholder Meetings and Advisory Committees (see full list of Stakeholders at end of Summary). As a result, eleven public agencies formed the Antelope Valley Regional Water Management Group (RWMG) to lead stakeholders' collaborative efforts to resolve a growing number of water management challenges. These meetings were conducted on a monthly basis for a period of over a year and culminated in the formal adoption of the Antelope Valley IRWMP by the participating agencies of the RWMG in December 2007 and January 2008.

Upon adoption of the IRWM Plan, and as part of structuring a formalized governance structure, the Stakeholder Group selected an Advisory body to serve as the clearing house for information streams. This group (first known as The Leadership Team, and subsequently name changed in late 2008 becoming known as The Advisory Team), handles the dissemination of information to all parties within the larger Stakeholder Group; formulation of meetings/agendas/lead and conduct meetings; recommendations to the Stakeholder Group to hire and manage consultants as necessary; manage operating funds as provided in an approved budget; provide facilitation for implementation process; coordinate with a legal entity to serve as designated to execute contracts and financial transactions; initiate with Stakeholder Group actions to identify, select and apply for appropriate funding opportunities. These roles and responsibilities are documented in the Agreement on Implementation that is provided as an attachment to Section 1 of this RAP application. The Advisory Team has held 13 meetings since commencement of the plan, along with numerous phone and email conferences to coordinate activities for both the Team and the Stakeholder Group. Copies of all minutes/agendas are attached to this Section of the application.

The Advisory Team is comprised of 7 individuals representing the following general areas of the Stakeholder Group: Agriculture; Conservation/Environmental and Water Quality; Industry and Commerce; Municipalities; Mutual Water Companies; Public/Landowners/Rural Town Councils; and Urban Water Suppliers.

Ongoing Stakeholder meetings are held on a quarterly basis, so that all entities and the general public can be apprised of a number of ongoing issues: individual project(s) status; grant application status and where applicable funding opportunities; general items of regional interest to the collective group.



To date there have been six (6) Stakeholder meetings since the adoption of the Plan in December 2007 to January 2008. Copies of all minutes/agendas are attached to this Section of the application.

Notice of Stakeholder meetings/agendas and follow-up meeting minutes are posted through the AVWATERPLAN.ORG website, as well as placement with local news media. Additionally, email notifications are sent to all interested parties with announcement of upcoming meetings/agendas sent approximately one month prior to a scheduled meeting. Local media is typically present for coverage through print medium for the general public to gain knowledge of current activities tied to the AV IRWMP program.

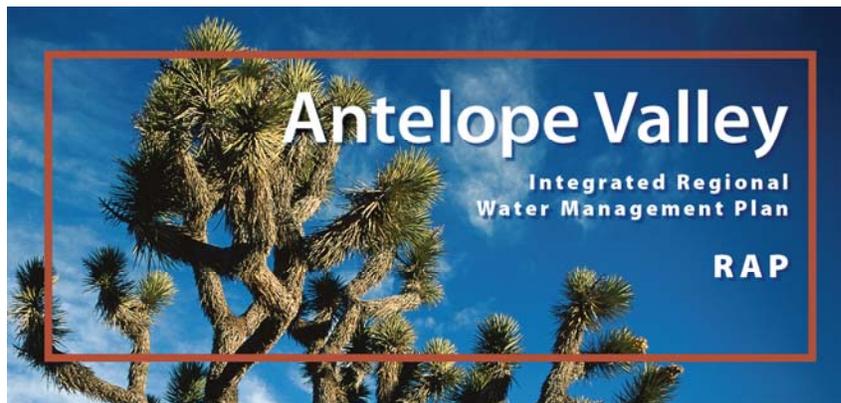
Meetings are open to all Stakeholder Groups and interested parties/general public. Agendas are pre-determined with input from Stakeholder Group members, and there is an allocated time period for open discussion or notice of interest items.

<p>No. 7b</p>	<p>A description of the regional water management issues, and conflicts in the region. Issues and conflicts may relate to water supply, water quality, flood management, environmental stewardship, imported water, waste water, conjunctive use, etc. Also describe efforts to develop multi-benefit integrated programs and projects that meet regional priorities.</p>
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The Antelope Valley Region's water management agencies and local planners face many challenges related to supporting the well being of the Antelope Valley Region. Past activities have created problems that need to be addressed and expected increases in population growth make resolving these problems even more difficult. In order to help address the broad challenges, the Antelope Valley IRWM Plan was organized to address issues and needs in the following categories.

Supplies are Variable and Uncertain

Determining the amount of water available for use at any given time (now or in the future) is more challenging than one might imagine. The amount of water supply available varies considerably due to changes in weather, rain and snow, and other conditions. All water supplies within the Antelope Valley Region come from two sources: (1) local rain and snow, or (2) imports of water from outside the Antelope Valley Region. The local water supplies come from rainfall and snowmelt that percolates into the groundwater aquifers or is captured in Littlerock Reservoir. Current estimates of water supplies made available from local rainfall and snowmelt vary widely (30,300 to 81,400 acre-feet per year [AFY]). Imported water comes from the State Water Project, which has historically varied. The currently available supplies from imported water can also vary widely from year to year (6,400 to 74,300 AFY).



Demand is Greater Than Supply

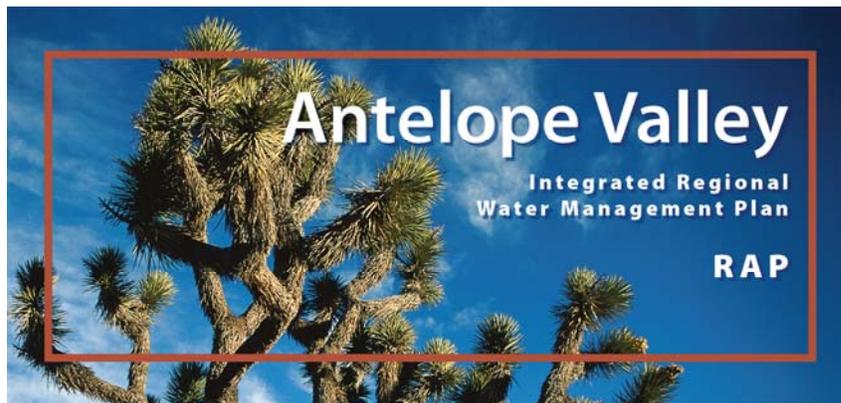
One fundamental challenge in the Antelope Valley Region is that demand for water exceeds available supplies. The demand for water clearly exceeds even the higher estimates of currently available supplies. The analysis in the IRWMP shows that by 2010 the demand for water in an average year will be 274,000 AFY and by 2035 could be 447,000 AFY. Even using the higher estimates of available supply, this means demand could exceed supply by 73,600 AFY in 2010 and by 236,800 AFY in 2035. The expected imbalance between supply and demand in 2035 is about the same as currently available supplies. If communities do not begin conserving water more effectively, the Region will need twice as much water as it currently has in order to meet demand in 2035.

Historically, water supplies within the Antelope Valley Region have been used primarily for agriculture; however, due to population growth, water demands from residential and business 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 1900s. The United States Geological Survey estimated that groundwater pumping in 1919 was about 29,000 AFY) and reached as high as 400,000 acre-feet per year in the 1950s. For many of those years, the amount of water being pumped was greater than the amount of water being replenished, 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, or sinking. 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 put back. 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 ground- water levels and prevent further damage 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 likely will not provide any 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 Group and other community participants agreed to focus on actions beyond the adjudication in the Plan. Participants in developing the Plan encouraged a quick and collaborative settlement of the adjudication



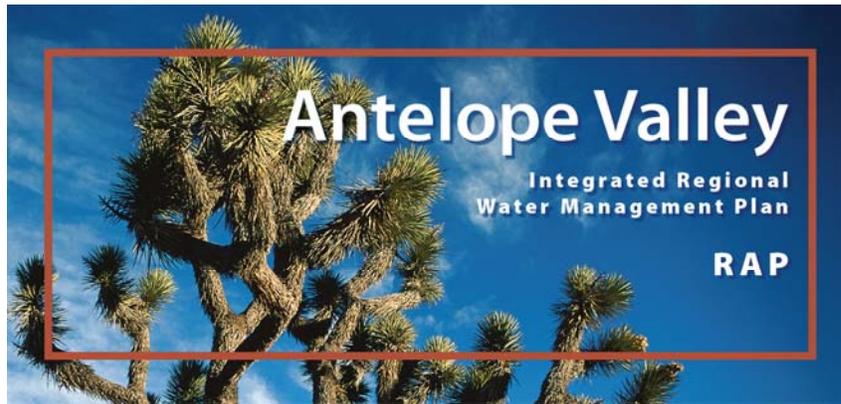
process, but the contents of the Plan identify and recommend actions that go well beyond the adjudication. The actions identified in the Plan can help meet the larger needs of the Antelope Valley Region but will require a solution from the adjudication to stabilize groundwater levels. The Antelope Valley RWMG and stakeholders recognize that the adjudication and any subsequent lawsuits already involve, and would continue to involve many IRWMP participants. In order for these participants to continue to participate fully in the IRWMP process, the IRWMP must be implemented in a manner so as to not interfere with the adjudication process.

Water Quality Cannot be Taken for Granted

The groundwater basin within the Antelope Valley Region is an undrained, closed basin, meaning there is no outlet for water to flow to the ocean. When water enters a closed basin, any minerals or chemicals in the water typically accumulate in the basin. Currently, groundwater quality is excellent within the principal aquifer but is not as good toward the northern portion of the dry lake areas. Some portions of the basin contain groundwater with high fluoride, boron, total dissolved solids, and nitrate concentrations. Arsenic is another emerging contaminant of concern in the Antelope Valley Region and has been observed in Los Angeles County Water Works District 40, Palmdale Water District, Boron, and Quartz Hill Water District wells. Research conducted by the Los Angeles County Water Works District and the United States Geological Survey has shown the problem to reside primarily in the deep aquifer, and it is not anticipated that the existing arsenic problem will lead to future loss of groundwater as a water supply resource for the Antelope Valley.

Flood Management, Water Management and Land Use

What people do on the land of the Antelope Valley and how they do it directly impacts many aspects of life, including the water cycle, within the Antelope Valley Region. Historically throughout California, land use planning and water use planning have been done almost independently of one another. With respect to flood management in the Valley, one of the main issues is lack of coordination of regional flood management activities. Poor water quality of runoff and nuisance water and dry weather runoff are also identified challenges that link land use, development, and water management efforts in the Valley. The challenges identified within the Plan clearly show a need for much closer collaboration between land use planning efforts and water management planning efforts. Continued development within the Antelope Valley Region depends heavily on the successful completion of the objectives presented in the Plan.



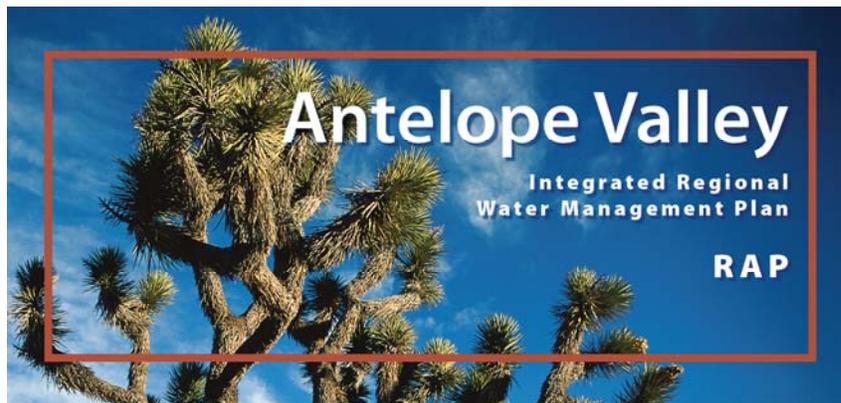
No. 7c

A description of the water related components of the region. The submittal must consider two different types of components, the physical components and the groups that manage or have input to those components. Physical components of a water system include natural and man made infrastructure. Some of the components to be included are watersheds, surface water impoundments, ground water basins, water collection systems, distribution systems, wastewater systems, flood water systems, and recharge facilities. The submittal should explain how water arrives in the region, how it is used, and how it is handled after it is used.

The drainage basin was chosen as the boundary for this IRWM Plan. The area within the boundary includes the key agencies dealing with similar water management issues such as increasing population, limited infrastructure, and increasing pumping costs with shared water resources and, thus, it is an appropriate boundary to define the Region for this IRWM Plan. Water demands within the Antelope Valley Region are serviced by a variety of water purveyors, including large wholesale agencies, irrigation districts, special districts providing primarily water for municipal and industrial (M&I) uses, investor-owned water companies, mutual water companies, and private well owners. Water supply for the Antelope Valley Region comes from three primary sources: 1) the State Water Project (SWP), 2) local surface water runoff that is stored in Little Rock Reservoir, and 3) the Antelope Valley Groundwater Basin, with recycled water and stormwater used as secondary sources of water supply. Rapid development demands on water availability and quality, coupled with the potential curtailments of SWP deliveries due to prolonged drought periods, have intensified the competition for available water supplies. Consensus is needed to develop a water resource management plan and implementation strategy that addresses the needs of the M&I purveyors to reliably provide the quantity and quality of water necessary to serve the continually expanding Antelope Valley Region, while concurrently addressing the need of agricultural users to have adequate supplies of reasonably-priced irrigation water. For these reasons, the Antelope Valley Region is an appropriate area for integrated regional water management. Figure 1 in Section 10, Antelope Valley IRWM Plan Region, provides an overview of the Antelope Valley Region.

Location

As discussed above, the Antelope Valley Region, as defined for the purposes of this IRWM Plan, encompasses most of the northern portion of Los Angeles County and the southern region of Kern County. Bordered by the mountain ranges to the north, south, and west and the hills and buttes along the east, the Antelope Valley Region is composed of the following major communities: Boron, a portion of California City, Edwards Air Force Base (AFB), Lancaster, Mojave, Palmdale, and Rosamond. Smaller communities include Littlerock and Quartz Hill. The communities are predominantly concentrated in the eastern portions of the Antelope Valley Region.



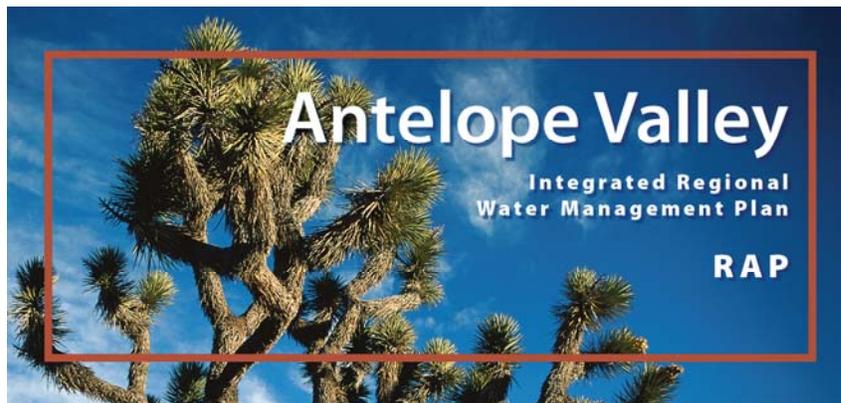
Four major roadways traverse the Antelope Valley Region. The Antelope Valley Freeway (State Route 14) and the Sierra Highway both bisect the Antelope Valley Region from north to south. The Pearblossom Highway (Highway 138) traverses the southeastern and central-western portions of the Antelope Valley Region in an east-west direction. Highway 58 traverses the northern portion of the Antelope Valley Region in an east-west direction. Refer to Figure 4, Antelope Valley Service Districts, and Figure 5, Antelope Valley City Boundaries and Special Districts, both in Section 10, for maps showing the locations of the major roads, county lines, city lines, special districts, and water agency service areas within the Antelope Valley Region.

Hydrologic Features

The Antelope Valley Region is a closed topographic basin with no outlet to the ocean. All water that enters the Valley Region either infiltrates into the groundwater basin, evaporates, or flows toward the three dry lakes on Edwards AFB; 1) Rosamond Lake, 2) Buckhorn Lake, and 3) Rogers Lake. In general, groundwater flows northeasterly from the mountain ranges to the dry lakes. Because the Region is a closed basin, opportunities for recycling and conjunctive use programs are magnified, while the potential for water quality issues will remain a concern. The surface water and groundwater features of the Antelope Valley Region are shown on Figure 6 in Section 10.

Imported Water

Imported water to the Antelope Valley Region is generally SWP water that is released from Lake Oroville into the Feather River where it then travels down the river to its convergence with the Sacramento River, the state's largest waterway. Water flows down the Sacramento River into the Sacramento-San Joaquin Delta. From the Delta, water is pumped into the California Aqueduct. The Antelope Valley Region is served by the East Branch of the California Aqueduct. Water taken from the California Aqueduct from the local SWP Contractors is then treated before distribution to their customers. The Antelope Valley-East Kern Water Agency (AVEK) currently treats SWP water with four Water Treatment Plants (WTPs) that are capable of treating approximately 104,260 AFY of imported water: Quartz Hill WTP, Eastside WTP, Rosamond WTP, Acton WTP, the last of which is located outside of the Antelope Valley Region boundaries. Los Angeles County Waterworks District 40 (LACWWD 40), Quartz Hill Water District (QHWD), and Rosamond Community Services District (RCSD) all receive treated water from AVEK and thus have no SWP treatment facilities of their own. Palmdale Water District (PWD) has a water treatment plant that is planned for a capacity increase, and is also in the preliminary design stage for a new water treatment plant. Littlerock Creek Irrigation District (LCID) has an agreement with PWD to treat its raw SWP water and thus has no treatment facilities of its own. Major water-related infrastructure in the Antelope Valley Region is shown on Figure 7 in Section 10.



Surface Water

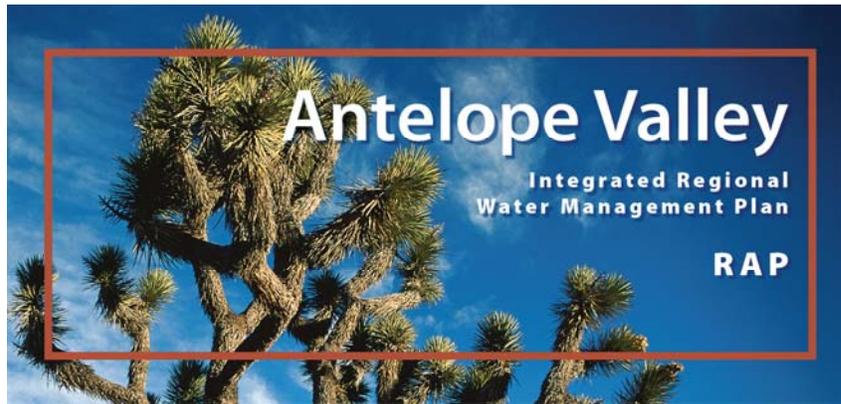
Surface runoff for the Antelope Valley Region is divided between Little Rock and Santiago Canyons and precipitation ranges from 5 inches per year along the northern boundary to 10 inches per year along the southern boundary. Annual variations in precipitation are important to the annual variations in applied water required for crop production and landscape maintenance. Surface water flows are carried by ephemeral streams. The most hydrologically significant streams begin in the San Gabriel Mountains on the southwestern edge of the Antelope Valley Region and include, from east to west, Big Rock Creek, Little Rock Creek and Amargosa Creek, and Oak Creek from the Tehachapi Mountains. Amargosa Creek runs south/north and is between the State Route 14 and Sierra Highway. USGS estimates that of the 1.5 million acre feet (AF) of precipitation in the Antelope-Fremont Valley each year, approximately 76,000 AF percolate to the groundwater reservoirs, while the remaining is lost to evaporation. The hydrologic features are shown on Figure 6 in Section 10.

Little Rock Reservoir

Little Rock Creek is the only developed surface water supply in the Antelope Valley Region. The Little Rock Reservoir, jointly owned by PWD and LCID, collects runoff from the San Gabriel Mountains. The reservoir currently has a useable storage capacity of 3,500 AF of water. Historically, water stored in the Little Rock Reservoir has been used directly for agricultural uses within LCID's service area and for M&I uses within PWD's service area following treatment at PWD's water treatment plant.

Groundwater

The Antelope Valley Groundwater Basin is comprised of two primary aquifers: 1) the upper (principal) aquifer and 2) the lower (deep) aquifer. The principal aquifer is an unconfined aquifer and historically had provided artesian flows due to perched water tables in some areas. These artesian conditions are currently absent due to extensive pumping of groundwater. Separated from the principal aquifer by clay layers, the deep aquifer is generally considered to be confined. In general, the principal aquifer is thickest in the southern portion of the Antelope Valley Region near the San Gabriel Mountains, while the deep aquifer is thickest in the vicinity of the dry lakes on Edwards AFB. Groundwater has been, and continues to be, an important resource within the Antelope Valley Region. Prior to 1972, groundwater provided more than 90 percent of the total water supply in the Antelope Valley Region; since 1972, it has provided between 50 and 90 percent. Groundwater pumping in the Antelope Valley Region peaked in the 1950s, and it decreased in the 1960s and 1970s when agricultural pumping declined due to increased pumping costs from greater pumping lifts and higher electric power costs. The rapid increase in urban growth in the 1980s resulted in an increase in the demand for M&I water and an increase in groundwater use. Projected urban growth and limits on the available local and imported water supply are likely to continue to increase the reliance on groundwater. Although the groundwater basin is not currently adjudicated, an adjudication process has begun and is in the early stages of development. Although there are no existing restrictions on groundwater pumping, pumping may be altered or reduced as part of the adjudication process.



The complex Basin is divided by the USGS into twelve subunits as shown on Figure 8 provided in Section 10. An adjudication process for the Antelope Valley Groundwater Basin is currently in progress. As part of that proceeding, County Superior Court Judge Jack Komar ruled that for purposes of the adjudication, the groundwater basin, described in DWR's Bulletin 118-2003, will serve as the geographic boundary for determining the basins water balance. The court ruling also concluded that while "adjacent valleys may also have conductivity and potentially some impact on the aquifer, the amount of flow at the present time and historically has been nominal and will likely remain so for the indefinite future", and excluded them from the jurisdictional boundary. Thus the Antelope Valley IRWMP boundary is also consistent with the adjudication ruling (provided as an attachment to Section 6).

Recycled Water

Currently, the only recycled water in the Antelope Valley Region that is treated to a tertiary level is a small percentage of the wastewater at the Lancaster WRP through additional onsite facilities of the Antelope Valley Tertiary Treatment Plant and a membrane bioreactor. In the future, recycled water may be available from three primary sources: 1) Lancaster, 2) Palmdale WRPs, and 3) the Rosamond Wastewater Treatment Plan. The IRWMP emphasizes the need to maximize beneficial use of water supplies within the Antelope Valley Region, and thus presumes that significant investments will be made to expand and upgrade treatment plants to develop these recycled water supplies.

Section 7 Attachments

Stakeholder and Leadership Team Meeting Materials

Meeting Minutes
25th AV IRWMP Stakeholder Meeting
March 18, 2009

Participants: Brian Dietrick (LACSD), Vickie Nelson (ARTC), Wayne Argo (ARTC), Iwen Tseng (LACWWD40), Jessica Bunker (LACWWD40), David Rydman (LACWWD40), David Rizzo (AVEK/Farm Bureau), Steve Dassler (Lancaster), Robert Neal (Lancaster), Gordon Phair (Palmdale), Claudette Roberts (PWD), Tom Barnes (AVEK), Larry Tyler (LLTC), Bob Large (Lakes TC), Wendy Reed (AV Conservancy), Laura Blank (Farm Bureau), Cathie Campbell (RCSD), Chad Reed (QHWD), Nicole Parson (R&D), Anthony Langin (Calif. City), Pete Zorba (Lancaster), Tom Mele (EAFB), Brad Bones (LCID), Travis Berglund (LCID), Jan Zimmerman (Lahontan Reg. Board).

9:00 AM – Welcome/Call to Order (Rydman): Distribution of Meeting Agenda, Minutes from 1/21/09 Stakeholder Meeting, and hard copies of (1) contract with Kennedy Jenks for Region Acceptance Process (RAP) and (2) A-Team comment letter on draft RAP Guidelines.

9:05 AM - Introductions (Rydman)

9:10 AM – Use of IRWMP for 2010 Urban Water Management Plans (UWMP) (Rydman): The idea was put forth to update the IRWMP to meet the requirements of a regional UWMP for water purveyors in the AV, particularly for the next update in 2010. Rydman to convene IRWMP subcommittee to continue discussing water supply issues. The subcommittee will take up this idea of using the IRWMP for 2010 regional UWMPs.

9:20 AM – State Budget/Prop 84 Update (Dietrick):

- (1) Grant funds – The Governor signed 32 bills on Feb. 20 to pass FY 08-09 state budget and close \$42B gap. Six ballot measures must be approved by the voters in May for the budget to be complete. Grant funding freeze is expected to begin “thaw” at end of March, depending on the credit rating of the state.
- (2) Prop 84 schedule – Draft guidelines will be posted by DWR in late April (around the same time RAP submittals are due). Comments will be accepted all summer and Final guidelines will be issued in August.
- (3) Project prioritization – Tech committee selected two projects for Prop 84 “expedited round”: (1) Comprehensive conservation and (2) Phase 2 of Backbone System. A meeting was held on 3/3/09 with the proponents of the conservation projects to discuss progress. At this point, the main concerns are finding ways to quantify the water supply benefits. More progress can be made after the Draft guidelines are issued in April.
- (4) Clean Water State Revolving Fund (SRF) (“Stimulus Bill”) – Clean Water SRF funds are likely to consist of a combination of loans and grants available for “shovel-ready” water infrastructure projects. This federal package is not directly related to Prop 84, 1e, or IRWMP; but some of the projects are likely to be the same. LA County Waterworks, Lancaster, AVEK, RCSD, and QHWD are all seeking Stimulus Bill money through the SRF program.

9:30 AM – Agreement on the Implementation of the IRWMP (Agreement) (Dietrick): A final version of the Agreement was approved by all eleven original signatories and counsel. The County of LA intends to become a twelfth signatory. As of today, the final version has been signed by the boards of all RWMG members except LA County

Waterworks and the County of LA. The Board of Supervisors plans to sign on behalf of both of those entities by April 7. The fully-signed Agreement is needed before we sit for the "interview process" for the RAP, which will occur in June 2009.

9:40 AM – Salinity/Nutrient Management Plan update (Dietrick): Salinity/Nutrient Management Plans (SMP) are required as part of the new State Recycled Water policy, effective February 2009. SMPs will be required for approval of recycled water permits from the Regional Water Quality Control Board (RB). LA County Sanitation Districts has agreed to meet with the RB to initiate the process, and will be requesting assistance from other stakeholders in the AV (AVEK, water purveyors, municipalities, Farm Bureau).

9:50 AM – Region Acceptance Process (Dietrick): This is the first step to be eligible for state grant funds. "Regions" must receive formal approval from DWR based on appropriate hydrologic boundaries, governance structure, and stakeholder involvement.

- (1) A-Team comment letter – DWR approved one of two main recommendations. Extra time for submittal of written materials was granted, but they did not approve a "two-tier" application system. Copies available.
- (2) Final Guidelines and schedule – Final guidelines available on website. Written application materials will be due at the end of April; interviews in June; Final RAP list published in September. This 2009 RAP schedule is designed to end just before the application deadline for the "expedited round" of Prop 84 (Fall 2009).
- (3) Use of Kennedy Jenks (KJ) – Kennedy Jenks was recommended for RAP consulting work by the A-Team. The A-Team made this recommendation because of KJ's familiarity with the AV IRWMP and because there is not enough time for a bid process before written materials are due. The scope of work includes defined tasks that the A-Team will perform to save on costs (IRWMP history, Agreement, Lahontan Area meetings). The cost estimate for the RAP is approximately \$20,000, which is consistent with the estimate received by the Greater LA IRWMP (\$22,000). The AV State Water Contractor's Association (AVSWCA) currently has approximately \$55,000 in funds available for use (note: approximately \$120,000 in additional funds are still held by LA County Waterworks pending final signatures on the Agreement). Written approval to hire KJ was obtained from each of the eleven RWMG members. A contract between the AVSWCA and KJ is scheduled to be signed by the end of this week. Work on the RAP should begin next week. Copies of contract are available.
- (4) South Lahontan Area discussions – Dietrick has been meeting regularly with the other IRWMPs in South Lahontan: Tahoe, Mojave, and South Sierra. A map of the South Lahontan IRWMPs was displayed. The southern and western boundaries are well-defined because they use the hydrologic boundaries established by DWR, which require no defense. There is a small overlap with the Kern IRWMP in the Tulare Lake Funding Area that will need to be reconciled. On the east, there are overlaps with Mojave. Dietrick and Mike Limbaugh (Mojave Water Agency) have discussed using the adjudication boundaries for IRWMP Region definition. Jan Zimmerman (RB) suggested reviewing the Lahontan Basin Plan for information about hydrologic boundaries. The northern boundary contains a "gap" (not covered by any IRWMP) that needs to be explained by both the Antelope Valley Region and the South Sierra Region (see below). The area east of Mojave is owned and managed by the Federal Government (Ft. Irwin/China Lake).

(5) Fremont Valley/California City – Fremont Valley is located north of the AV and south of South Sierra. According to DWR Bulletin 118, AV and Fremont have separate groundwater basins. This is supported by information from the adjudication efforts that separate the two valleys along the Willow Springs Fault. However, according to the USGS (18090206), the two valleys share one watershed with respect to surface water. The amount of surface water contributed to the AV groundwater basin from Fremont Valley is estimated to be “negligible” by the hydro-geologists working on adjudication. The AV IRWMP group must be able to defend either (1) including Fremont Valley or (2) not including Fremont Valley. A discussion of the inter-relatedness of water issues ensued. The surface water nexus appears to be minimal, groundwater is un-connected, and the amount of water supplied by AVEK to Fremont Valley may be small. Further investigation is needed. Tony Langin (attending on behalf of Mike Bevins of California City) was invited to the Stakeholder Meeting to participate in the discussion. He reported that California City has initiated an IRWMP, but had no strong opinion on whether the two Regions should join. Dietrick will convene a meeting between the A-Team, California City, AVEK, and other interested parties to resolve the issue before the deadline in late April.

10:15 AM – Open Discussion/General Items of Interest (Stakeholder Group):

- AV Conservancy’s STREAMs Project is applying for an EPA grant and is seeking letters of support. Contact Wendy Reed for more information.
- The City of Lancaster is planning to hold the grand opening of the Division Street Corridor Recycled Water pipeline in mid-April.

10:20 AM – Adjournment

Advisory Team Meeting Minutes – February 9, 2009

Attending – In Person – Randy Williams, Vickie Nelson, David Rizzo, Gretchen Gutierrez. Via phone- Brian Dietrick

Agenda Items of Discussion:

- 1) Region Acceptance Process (RAP) – presented discussion item by Brian Dietrick. Final guidelines were expected from DWR by Feb. 10th, with written materials being due for review by March 10th. That deadline will be delayed due to state budget problems, employee furloughs, and comments on Draft Guidelines. Expectation that the deadline to submit our Region definition will be sometime in late March, with Final Guidelines being issued in late February. Discussion amongst the group was to address what the Advisory Team; Stakeholders Group and/or Kennedy Jenks should do/be charged with as to the specific items for the Region definition. Determination of the Advisory Team was to obtain the RAP Final Guidelines; determine what elements the various Team members/agencies could complete and then augment the balance of the issues with input from Kennedy Jenks. The Advisory Team will recommend to the RWMG that bids not be obtained for consultant work, considering the time restraints involved and the familiarity that KJ has with previous IRWMP work. A preliminary budget from KJ was presented and reviewed and subsequently will be re-visited upon determination of guideline requirements. A conference call meeting between Advisory Team members and Lauren Everett of KJ to occur prior to end of February to determine (where possible) a more definite scope of work and budget costs. It was also decided by the Advisory Team would make two recommendations to the RWMG after the conference call with KJ: (1) to approve the proposed scope/cost estimate from KJ and (2) to pay for consultant costs from the \$55,000 in collected funds held by the AVSWCA.
- 2) Updated MOU Agreements – as of 2/9/09 the following agencies had signed the re-drafted MOU Agreement – Quartz Hill; AVEK; RCSD; LCID. The remaining agencies/cities are expected to have signed agreements by end of March.
- 3) Proposition 84 – current funding issues - Technical Committee met and determined that 2 projects within the IRWMP met the guidelines for submittal. Projects are: Comprehensive Conservation program (various sponsors) and Phase 2 – Backbone System (District 40). Coordination amongst the agencies that were specifically tasked with each of these 2 projects to review and update paperwork as soon as possible. Call being scheduled to coordinate those efforts. Additionally, Brian Dietrick spoke with Jim Lin/(DWR) Mr. Lin was asked to recommend unfunded projects from Prop 50 Round 2 for possible funding from the Economic Recovery and Reinvestment Act being considered by the U.S. Congress. Mr. Lin

recommended two projects from the Antelope Valley application: (1) Comprehensive Conservation and (2) Backbone System Phase 2.

- 4) State Budget update – As of 2/9, still awaiting the state to adopt a budget and until such time as adoption, no funding for propositions, etc. to be allocated.
- 5) Next Stakeholder Meeting – Date to be determined.

IRWMP STAKEHOLDER MEETING
Wednesday, January 21, 2009
Palmdale Cultural Center
AGENDA

- 9:00 Welcome/Call to Order – *Brian Dietrick*
- 9:05 Self Introductions
- 9:10 Update on Technical Committee Meeting – held January 12th, 2008
- a) Suggested Project List
 - b) Definition of Regions Acceptance Process/approval of regional boundaries across the State
 - c) Request for in-kind assistance from regional agencies to aid in application/compilation of information for “Regions Acceptance” package
 - d) Discussion to use Kennedy Jenks to facilitate package application – cost to be determined
- 9:30 Update on Funding Propositions 50 & 84 – *Brian Dietrick*
- 9:45 Update on Regions Roundtable Conference Call – held January 15th
- 10:00 Update on MOU Status – *Brian Dietrick*
- Distribution of MOU to Signatory Agencies –
(Timeline status for return of “signed” documentation)
Stakeholder Group Discussion Regarding MOU Status
- 10:45 Open Discussion of General Items of Interest
- 11:00 Adjournment

Materials Distribution:

MOU to Signatory Agencies
Minutes of Stakeholder Meeting – December 10, 2008

**Meeting Minutes
Stakeholder Meeting
January 21, 2009**

Participants: Wayne Argo, Brian Dietrick, Melinda Barrett, Yvonne Malinkowski, Cathie Campbell, Chad Reed, Larry Tyler, Robert Large, Rob Morrow, Dick Wells, Brad Bones, Travis Berglund, Curtis Paxton, Tom Barnes, Gordon Phair, Tom West, David Rizzo, Laura Blank, Richard Caulkins, Peter Zorba, Wendy Reed, James Welling, Juan Blanco

9:00 AM – Introduction (Dietrick): Distribution of Meeting Agenda, Minutes from 12/10/08 Stakeholder Meeting, and hard copies of final version of *Agreement on the Implementation of the Integrated Regional Water Management Plan*.

9:05 AM - Review of IRWMP Meetings to Date (Dietrick): Today's Stakeholder Meeting is the 24th (the 5th since the Advisory Team was formed in late 2007). The Advisory Team has held thirteen meetings. There have also been numerous other meetings involving Tech Committees, the Roundtable of Regions, DWR workshops, legislative strategy/trips to Sacramento, the Lahontan Funding Area, and the MOU.

9:10 AM - Technical Committee (Dietrick): A Tech Committee was established to recommend projects for the "expedited round" of Prop 84, subject to revision when the Final Guidelines come out this Spring. At this point we don't even have draft guidelines, but DWR has given hints. The Tech Committee consisted of Barnes, Dietrick, Paxton, Phair, Rydman, Williams, and Zorba and met on 1/7 and 1/12 to discuss projects for Prop 84. The projects from the Prop 50 application were reviewed based on (1) AFY of water provided/conserved, (2) cost/AFY, (3) readiness to proceed, (4) potential benefits to Disadvantaged Communities, (5) number of entities working together, and (6) total cost relative to the probable grant amount of \$3M. The Tech Committee recommended two projects from the original suite of seven:

- (1) Comprehensive Conservation
- (2) Phase 2 of Backbone System

Other projects will likely be recommended for later rounds of grant funding. The Stakeholder Group expressed general agreement with these recommendations, with the understanding that project selection will be revisited when final guidelines are issued for the "expedited round" of Prop 84. In the meantime, the AV Water Conservation Coalition agreed to take the lead in developing the conservation project; and LA County Waterworks agreed to take the lead in developing the Backbone Phase 2 project. The status of each of the four component sub-projects in the comprehensive conservation project was given:

- (1) AV Watershed Conservation Brochure - ready in Spring, but needs funding
- (2) Rancho Vista Golf Course – complete, but may have additional phases
- (3) ET Controllers - partially complete, but has additional phases
- (4) Conservation garden – needs funding support

Tom West reminded the Stakeholder Group that Prop 1e funding might be available for projects related to flood control.

9:20 AM - Region Acceptance Process (RAP) (Dietrick): This is the first step to be eligible for Prop 84 funds. "Regions" must receive approval from DWR based on appropriate hydrologic boundaries, governance structure, and stakeholder involvement. The AV Region has made a lot of progress on hydrologic boundaries and stakeholder involvement, but needs better definition for governance structure. This will be particularly important during the "Region" interview process that DWR plans to conduct in March 2009. The Agreement (see below) will help in this effort. Draft guidelines on the RAP are circulating now, and generally provide a lot of detail. The timeline is short but is subject to change based on the extensiveness of the comments received and the State Budget problems. I explained that the Advisory Team would probably be able to put much of the RAP application together by cutting and pasting language from the IRWMP and Prop 50 application (something DWR encourages). But we may need in-kind assistance from other Stakeholder Group participants, and we may need to retain Kennedy Jenks or another consultant to meet the deadline. Kennedy Jenks has provided an initial estimate of \$30K to complete the RAP, but the number is based on a Region starting from scratch. With our progress and in-kind work, Dietrick estimates that the costs could be reduced by 50% or 75% (Note: the remaining budget of the RWMG is approx. \$120K (Waterworks) + \$55K (AVSWCA) = \$175K. More details on the RAP and cost estimates will be provided at the next Stakeholder Meeting. Dietrick and Rydman will attend a DWR public workshop about the draft RAP Guidelines on 1/22, and the Advisory Team will provide a comment letter on the draft RAP Guidelines to DWR by the deadline of Jan. 27. A question was asked about whether the Advisory Team had direct contact with DWR for these upcoming funding rounds. The DWR representative for the Antelope Valley is Jim Lin, and he has made it very clear that he is available to us.

9:30 AM - State Budget Situation (Dietrick): The Governor vetoed the latest FY 08-09 budget proposal from the legislature. There is no new news on a resolution. State grant programs, including Props 50, 84, and 1e, have been frozen until the budget is passed. There is no definitive information on how much this will delay the RAP or the "expedited round" of Prop 84, but the DWR is proceeding with the RAP original schedule. Meanwhile, the federal economic stimulus package will include approx. \$450M for the California State Revolving Fund program. It is likely to consist of a combination of loans and grants available for "shovel-ready" water infrastructure projects. This federal package is not directly related to Prop 84 or 1e.

9:40 AM – Agreement on the Implementation of the IRWMP (Agreement) (Dietrick): A conference call with all RWMG members and counsels was held on 1/14 and a final version of the Agreement was agreed to by all parties. This final version was distributed via email and on the AV IRWMP website. Hard copies were available at the Stakeholder Meeting. RWMG signatories are asked to take this Agreement to their boards for signature before the end of February 2009. The signed Agreement is needed before we sit for the "interview process" for the RAP, which will occur in March. Everyone said they would be able to take it to their boards in January or February except for Palmdale, who said it might be early March. The following are approx. board dates given by each signatory:

- Antelope Valley-East Kern – Jan. 27
- AV State Water Contractors Association – Feb. 12
- City of Lancaster - ???

- City of Palmdale – Feb. 18 or early March
- Sanitation District No. 14 – Feb. 25
- Sanitation District No. 20 – Feb. 25
- Littlerock Creek Irrigation District – end of January
- LA County Waterworks District 40 – end of February
- Palmdale Water District – Feb. 11
- Quartz Hill Water District – Jan. 21
- Rosamond Community Services District – Jan. 28

G. Phair reported that Palmdale believes it is necessary to include a separate resolution with the Agreement to approve the use of remaining funds (\$175K) for Prop 84 and 1e applications. The reason given was that this is not explicitly stated in the original Memorandum of Understanding or the Agreement. Palmdale is willing to provide a draft copy of the resolution they will be taking to their board, and recommends that the other signatories consider taking it to their boards.

9:50 AM – Open Discussion/General Items of Interest (Stakeholder Group):

- Palmdale Water District will be holding a public workshop on their Recycled Water Facilities Master Plan on Wednesday, 1/28, at 6 PM.
- W. Reed made a request/comment about writing the Meeting Minutes in a way that is more comprehensive and readable.
- Robert Large commented that he could assist with any “Region” definition issues that pertain to The Lakes area of the AV.

10:00 AM - Adjournment

AGENDA
IRWMP STAKEHOLDER MEETING
DECEMBER 10th, 2008
9:00 to 11:00 a.m.
Lancaster City Hall/Emergency Operations Center

Welcome & Introductions – Gretchen Gutierrez

Distribution of Minutes from Last Stakeholder Meeting
Distribution of Notes from Leadership Team Meeting(s)

Update on AV Water Conservation Coalition – Nicole Rizzo

Update on Possible Grant for Salt Management Plans – Brian Dietrick

Update on Website/Yahoo Management status – David Rydman

Request to re-form Technical Committee to Update IRWMP –
Dave Rydman & Brian Dietrick

Status of Revisions to IRWMP MOU – David Rydman

Other Business

Adjourn

**Meeting Minutes
Stakeholder Meeting
December 10, 2008**

Welcome & Round of Self Introductions

Distribution of Minutes from Prior Stakeholder Meeting

Distribution of Notes from Leadership Team (renamed Advisory Team) Meetings

Update presented: Nicole Rizzo/AV Water Conservation Coalition:

- 1) City of Lancaster/Public Works – issued postcards urging compliance with emergency ordinance for water conservations and helpful hints to conserve
- 2) Waterworks District #40 still has some available funding for rebates programs – i.e.-turf buyback program
- 3) Quartz Hill Water District – taking steps to rollout a new tiered rate structure
- 4) Next meeting of the Coalition to be in late January

Update presented: Dave Rydman – Yahoo Listserv Issues

Stakeholder(s) emails that have issuance of spam filters have created some delay/interference in using Yahoo as the preferred distribution stream for information. D. Rydman, thru LA County Public Works dept., to modify system to better use for information/updates in 2009. Continued culling of defunct/erroneous email addresses to also continue for updating.

Update presented: Brian Dietrick – Salt Management Plans/State of California

B. Dietrick presented information concerning the DWR proposals for salt management plans. Every basin must write/approve a plan each 5 years. If approved by State of California in January, then would be 2014 for implementation. LA County Sanitation District and Waterworks to be lead agency in writing draft plan as a collaborative effort. The state draft plans states there is \$20M available to aid in efforts to write plans, still in consideration for funding and if available, Districts would seek applications to request funds be available for creation of plan.

BLM (Bureau of Land Management) presently doing study on salt movement and review of brine levels for discharge. AV region is a closed basin, so has the issue of need to export by-product.

Update presented: Brian Dietrich – XBxx1- Release of State Bond Funds

Presently \$100M earmarked for implementation only, NO planning or studies funding. A series of deadlines has been roughly established, with guidelines issued early 2009. Key issue will be to define the AV Boundaries. Continue to pursue funding from prop. 84 \$\$ still available. Also potentially need to re-prioritize which project move forward within IRWMP plan.

Reconvene: IRWMP Technical Committee
(Committee tasked for technical review issues)

- 1) Re-evaluate projects from Prop 50 guidelines to Prop 84 to be qualified for eligibility
- 2) Meet requirements for Prop 84
- 3) Review – Salt Management Plan
- 4) Address specific issues –
 - a) Project Selection
 - b) Governance structure – early March 2009
 - c) Deal with issue of impact on reduction of greenhouse gas emissions
- 5) 7 Projects – requiring a lead agency and having representation - volunteers
 - a) Agriculture – Dave Rizzo
 - b) Statewater Contractors
 - c) Other Agency reps: Jack Stewart, Tom Barnes, Brad Bones
- 6) First meeting of Technical committee to be held 1st full week of January

Update presented: Dave Rydman – USGS – Conference Call

Info purposes – USGS is developing groundwater flow model. Approximately \$400-450K work left to do to complete modeling. Seeking funding of \$305K to balance deficit for completion. Sample of modeling to include: sink wells, recovery of water, recharge surface. USGS asking all water agencies to assist in funding efforts. Call to be placed to agencies on December 18th.

Next Stakeholder meeting agenda presentation to include distribution of MOU to all appropriate agencies as a follow-up to conference call (to be organized by Gordon Phair/City of Palmdale in conjunction with attorney's representing all signatory agencies – to occur prior to January 21st meeting).

Next Stakeholder Meeting scheduled for January 21st – Location to be determined.

Stakeholder Meeting Minutes
December 10, 2008
Page Three

Attendees at Dec. 10th Stakeholder Meeting:

Wayne Argo, Jimmy Argo, John Bodenchak, Brad Bones, Chi Diep, Brian Dietrick, Yvonne Malikowski, Mike Mischel, Vickie Nelson, Curtis Paxton, Gordon Phair, David Rizzo, Nicole Rizzo, Dave Rydman, John Ukkestad, Dick Wells, Bob Large, Jack Stewart, Dennis LaMoreaux, Larry Tyler, Patrice Copeland, Tom Barnes, Randy Hill, Gretchen Gutierrez

Leadership Team Meeting Notes
November 24, 2008

Meeting Held by Conference Call – Start at 3:00 p.m.

On Call: Gretchen Gutierrez, Randy Williams, David Rydman, Brian Diedrick

Update by Brian:

- 1) Attended roundtable of regions meeting – in Sacramento- November 14
 - a) informal group of various state IRWMP stakeholders (approx. 50 from around the state of California – roughly 50% in attendance at this workshop)
 - b) DWR presentation on criteria for upcoming funding rounds
 - c) Survey conducted to all IRWMP groups, as to how each entity is governed/constituted
 - 1) 75% use MOU method
 - 2) 20% use JPA
 - 3) 5% use a contract status
 - 4) 94% of state population covered by IRWMP plans
 - 5) Only 5% of participants use the “pay to play” methodology
 - 6) And is considered an actual deterrent to criteria approval

- 2) Workshop
 - a) Regional Acceptance process was discussed
 - 1) Deadlines for Prop 84 – definitions to include region geographic boundaries, AND governance structure
 - 2) Apply for region approval by end of 2008
 - 3) Apply by 2/1/09 with plan MOU
 - 4) Apply by 3/1/09 for interview status to discuss how region was established

- 3) General Discussion Items
 - a) California Senate approved SBxx1 - \$100M for implementation of IRWMP. Guidelines to be available in early 2009.

 - b) Prop 84 – IRWMP standards need to be upgraded within the plan for resubmittal early 2009. Planning grant funding dollars to be available late spring 2009.

 - c) Additional rounds of funding to commence in 2010.

Leadership Team Meeting Notes
November 24, 2008

- d) Additional attention to global warming/greenhouse gas emission reductions to be reviewed as result of AB 32. Criteria for AB 32 implementation is still in development at the state level, which will then be passed along to county/local jurisdictions to adopt and implement.
- e) Release of funding allocation designated to Lahanton region is \$27M, with potential of \$3M in the initial round only available to be in AV if successful with proposal.
- f) **“eSolar”** – Information presented by Randy Williams about this new company locating a solar field within the City of Lancaster. Detailed information to be presented to City Council on Dec. 9th and full information presentation to be made to Stakeholder group on Dec. 10th.
- g) Status on MOU approvals from signatory agencies – Dave Rydman. Last round of comments sent to county counsel, city and agencies counsels for review/comments. Final remarks due back prior to Stakeholder meeting on 12/10.
- h) Update on use of Yahoo as search engine for Stakeholder communications – David Rydman. Continuing to develop site and information streaming. Challenges with obtaining accurate email/contact information for individuals/agencies requesting update. Presentation at Stakeholder meeting to request valid information for input.
- i) DWR – discussion item by Brian Dietrick. DWR is drafting new state law for implementation of recycling projects that include a salt management plan (for hydrological basins). Question discussed as to which agency should write the plan/grant application for potential funding: Sanitation district(s) or JPA or Water Districts or IRWMP? Further discussion as agenda item for Stakeholder meeting Dec. 10th.

Adjourned at 4:45 p.m.

IRWMP STAKEHOLDER MEETING
Wednesday, October 1, 2008

AGENDA

- 9:00 Welcome/Call to Order – Gretchen Gutierrez
- 9:05 Introductions
- 9:10 Update on IRWMP Project Status
- Sanitation Districts #14 & 20 – Treatment Plant Upgrades –
Brian Dietrick
 - Water Conservation Coalition & Efforts Across Region –
Nicole West & Robert Neal
 - City of Lancaster Groundwater Banking Project –
Peter Zorba & Randy Williams
 - City of Palmdale Grants Requested/Awarded –
Gordon Phair
 - AVEK’s Proposed Banking Efforts
Tom Barnes
 - LA County Waterworks Recycled Water EIR Update –
David Rydman
- 10:00 Update on Funding Propositions 50 & 84 –
Brian Dietrick
- 10:10 Update on MOU Status
Timeline status since January 1st – *Randy Williams*
Presentation by City of Palmdale – *Mike Mischel*
- Stakeholder Group Discussion Regarding MOU Status
- 10:55 Presentation of any other items of General Interest to the
Stakeholder Group
- 11:00 Adjournment

Leadership Team Meeting Notes
October 30, 2008

Meeting Held by Conference Call – Start at 3:00 p.m.

On Call: Gretchen Gutierrez, Randy Williams, David Rydman, Brian Diedrick, David Rizzo

Primary discussion was held as to the status of comments received/incorporated for revisions to the MOU. Current version of MOU presented at October Stakeholder meeting with request to have ALL comments from interested parties returned within 2 weeks. If no comments from entity/individual were received, assumption then to become that entity/individual approved the version as presented at the October Stakeholder meeting. Comments were received from several agencies for discussion/incorporation into MOU. Those revisions were incorporated into the MOU and resent to appropriate signatory agencies/counsels for review. As of October 30th, 2008 Team meeting call, no agency had returned MOU documentation.

Update presented by Brian Dietrick on Prop 84 & 1E status.

Ongoing discussion within the regional roundtables as to upcoming criteria release dates, updates of individual plans by jurisdiction, approval criteria process and collaboration between regions.

Roundtable of Regions summit – November 12 – attending Brian Dietrick & Dave Rydman

Adjourned at 4:30 p.m.

AGENDA

Leadership Team Meeting Thursday, September 4, 2008 AVBIA Office

- 1) Review of Team Meeting Minutes – July 28th - G. Gutierrez

- 2) Status of MOU Responses
 - a) Versions are separated (Palmdale and Redraft version as a result of Agency Meeting August 21st)
 - b) Legal Opinion from City of Palmdale Attorney

- 3) Next Stakeholder Meeting – TBD

- 4) Brief Update on Prop 50/84/1E funding efforts – Dietrick

- 5) Update on Lahontan Region meeting – Aug. 25th – Dietrick

- 6) Goals/objectives for next 6 months/1year – D. Rydman for outline

- 7) Formation/start-up of 3 subcommittee's status – D. Rydman

Information Purposes Only

Financial Info – Additional funding collected – AVSWCA and Balance of Account

AGENDA

Leadership Team Meeting Monday, July 28th, 2008 AVBIA Office

- 1) Review of Team Meeting Minutes – July 7th - G. Gutierrez
- 2) Status of MOU Responses for Receipt for Consideration – R. Williams
- 3) Goals/objectives – next 6 months/year – D. Rydman for outline
- 4) Formation/start-up of 3 subcommittee's status – D. Rydman

Ongoing Item for discussion –

Request for presentation at the “Water Issues Briefing” – community outreach

July 30th – 8:00 a.m. to 1:30 p.m. – Chimbole Cultural Center...

(presentation on current status of Plan/projects – 10-15 minutes)

AGENDA

Leadership Team Meeting Monday, July 7th, 2008 AVBIA Office

- 1) Review of Team Meeting Minutes – June 16th - Gretchen
- 2) Review of Stakeholder Minutes – May 19th - Gretchen
- 3) Update on status of MOU (Final Document ready for distribution/adoption?) – Randy
- 4) Goals/objectives – next 6 months/year –
Dave Rydman for outline, Vickie for talking points
- 5) Formation/start-up of 3 subcommittee's status – Dave Rydman

New Item for discussion –

Request for presentation at the “Water Issues Briefing” – community outreach

July 30th – 8:00 a.m. to 1:30 p.m. – Chimbole Cultural Center...

(presentation on current status of Plan/projects – 10-15 minutes)

AGENDA
LEADERSHIP TEAM MEETING
June 16, 2008
AVBIA Office

- 1) Attendees –
- 2) Approve Invoice – Kennedy/Jenks - \$87.55 (attached)
- 3) Review MOU Comments
Randy – comments received?
Gretchen – comments received by Conservancy (attached)
- 4) 6 month/ 1 year plan – D. Rydman

Distribution Items:

- 1) Summary of 6/3/08 Sacramento Trip
- 2) DWR Response Letter 6/5/08 from Lester Snow

Leadership Team Meeting – June 16, 2008

Held at: BIA Office – Lancaster – Meeting Started at 3:00 p.m. Concluded at 5:00 p.m.

Meeting Minutes

Attendees: Randy Williams, Dave Rydman, Dave Rizzo, Gretchen Gutierrez, Brian Dietrick, Vickie Nelson. Absent – Wayne Argo

Agenda noticed below:

AGENDA LEADERSHIP TEAM MEETING June 16, 2008 AVBIA Office

- 1) Attendees –
- 2) Approve Invoice – Kennedy/Jenks - \$87.55 (attached)
- 3) Review MOU Comments
 - Randy – comments received
 - Gretchen – comments received by Conservancy (attached)
- 4) 6 month/ 1 year plan – D. Rydman

Distribution Items:

- 1) Summary of 6/3/08 Sacramento Trip
- 2) DWR Response Letter 6/5/08 from Lester Snow

Discussion/ Action Item for Agenda Item #2- Approve Invoice for \$87.55:

Group requested clarification of additional \$87.55 charges from Kennedy/Jenks. Contact was made with Lauren Everett on 6/18 to seek clarification. Charge for \$85 for Staff person/1 hr. time rate was to handle administrative set-up on new file/state assigned project management computer program/in-house accounting/recordkeeping. Charge of \$2.55 to be verified as to what it was used billed for.

Discussion/Action Item for Agenda Item #3 – Review MOU Comments:

Randy Williams stated that he had received comments from Tom Barnes/AVEK. Brian Deietrick also stated that he has comments from Sanitation ~~Dept~~Districts'; in-house counsel that were desired~~wished~~ to be incorporated into the document for consideration. Additional comments also supplied by AV Conservancy for consideration. Brian volunteered to have the MOU put in an acceptable legal format by the Districts' general counsel, incorporating all appropriate and acceptable comments of stakeholder reviews. Final draft will be forwarded to R. Williams to review all documents received for consideration to date, to verigy incorporate revisions and make available to all financial (signatory) stakeholders and the Leadership Team will for final review document before at June 30th meeting, and subsequently will distribute the Revised MOU Agreement to all appropriate and applicable agencies that will be authorized signatories to the agreement.

Discussion/Action Item for Agenda Item #4- Leadership Team 6month/1 year plan:

General Discussion held as to overall goals/objectives for next 6 months/1 year for Leadership team direction. Dave Rydman to generate a timeline scope for first review/discussion at June 30th meeting. Three items identified and will be outlined for discussion at next meeting (June 30th):

1. How to identify and recommend a skeleton “umbrella governance” structure and develop a schedule to achieve it.
2. A prioritized list of IRWMP projects based upon return on investment. Concern was raised and briefly discussed that even if we had received the \$25 million requested of Prop 50 Grant, there was no regional plan or mechanism for funding the local match. Our priorities must resolve this concern.
1. A plan for public outreach to continue to build support and an action base for IRWMP interests.

Discussion/ New Action Item Consideration

Development of white paper/talking points presentation that can be used to carry IRWMP message to community at large:

3. Randy Williams brought the idea of a presentation package (to be determined as to total content/look/design/etc.) that can be used by any of the group and/or stakeholder group to convey the message of the IRWMP plan to the broader general community and public. Vickie Nelson to create draft of a white paper/talking points for discussion at the June 30th meeting.

Discussion/ New Action Item Consideration

Implementation of 3 Sub-Committees adopted by Stakeholder Group at 5/19/08 Meeting

Dave Rydman to begin to coordinate the formation of the 3 new sub-committee^s, based upon participation sign-ups at the 5/19 Stakeholder meeting. The 3 new committees are: Recycling Water; Water Supply and Conservation. Conservation committee to be chaired by Robert Neal, City of Lancaster, with previously coordinated agencies/stakeholders to be merged into this committee and re-engaged under the IRWMP umbrella.

Minutes – Leadership Team Meeting

June 16, 2008

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Update Report/Action Item for Agenda Item – Distribution Reports- Report on visit to Sacramento – June 3 2008

Brian Dietrick & Kathy Delegal (via call-in) provided the Team with a report on [the June 3 State Water Resources Control Board meeting](#), meetings held ~~in Sacramento~~ with ~~State Water Resources Control Board Member and~~ representatives from various elected officials districts, [and a subsequent teleconference with SWRCB member Gary Wolff](#). Meetings with elected offices/staff did provide encouragement ~~of and~~ support ~~for~~ the plan and the desire to work together to resolve [problems with insufficient funding differences and future funding opportunities](#). Various recommendations were made by SWRCB to enhance funding opportunities ~~for involving~~ Prop 84 ~~consideration~~ and those options are to be discussed/finalized at the June 30th Team meeting.

One Option to be developed is to garner additional letters of support from a cross-section/variety of community leaders/groups in support of the plan, i.e.-Chambers, Board of Trade, GAVAR, GAVEA, etc. If determined that letters of support for entirety of project or specific requests are appropriate, draft template of letter style to be created and distributed as appropriate. Further discussion on this item is scheduled for June 30th.

Meeting adjourned at 5:10 p.m.

Next meeting: June 30th – 3:00 p.m. – AVBIA Office

AGENDA

STAKEHOLDER MEETING

MONDAY, MAY 19, 2008

5:00 p.m. to 7:00 p.m.

Lancaster City Hall/Emergency Operations Center

- 1) Welcome and Introductions – Gretchen Gutierrez
- 2) Update on Leadership Team Meetings – Gretchen Gutierrez
 - a) Update on Proposition 50 Status –
(Leadership Team Presentation Update)
 - b) Leadership Team Participation in Community Outreach
 - c) Notice of Handouts –
Copies provided Meeting Minutes,
Department of Water Resources Letter,
Scope of Work/consultants
- 3) Recycling Sub-Committee Update – David Rydman
- 4) Water Supply Sub-Committee Update – David Rydman
- 5) Discussion on Long Range Term of Governance – Randy Williams
 - a) Updated MOU Agreements – By & Between Water Agencies and
other financially vested Agencies

Handouts:

Minutes of Leadership Team Meetings

Department of Water Resources Letter(s)

Scope of Work(s) - Consultants (Kennedy/Jenks & Kirby Consulting)

Revised MOU Agreement – consideration by Agencies

Leadership Team Meeting – May 12, 2008

Held at: BIA Office – Lancaster – Meeting Started at 3:00 p.m. Concluded at 5:00 p.m.

Meeting Minutes

Attendees: Randy Williams, Wayne Argo, Dave Rydman, Dave Rizzo, Gretchen Gutierrez, Brian Dietrick, Vickie Nelson

Report Item: Update on Funding Allocation Notice made on May 8th by DWR

Issuance was made by DWR on April 30th as to regions/plans awarded funding from Prop 50. AV IRWM Plan was completely eliminated from funding allocation as were several other Southern California regions/plans. Extensive follow-up by Leadership Team, lead by B. Dietrick included: Comment/appeal letter to DWR to seek reconsideration of Prop 50 monies, along with additional consideration for Prop 84 funding (letter as separate handout); number of Leadership Team/representatives from Kennedy/Jenks; LA County traveled to Sacramento on May 8th to meet with DWR review board/economists to gain insight as to where the AV plan failed to meet requirements. Additional attendance at meeting on May 15th workshop and letter were completed for submittal on May 15th. Members of Team/LA County also working with regions throughout the state to determine if appropriate for collective appeal process/letter application on funding distribution for Prop 50 and reallocation of Prop 84 funds.

Action Item:

Finalize of Agenda for Stakeholder meeting to occur on Monday, May 19th. Agenda to include: update of Leadership activities/meetings; update on Prop 50 funding issues; status of Water Supply and Recycling subcommittees; general discussion on Long Term Governance for the region.

**AGENDA
LEADERSHIP TEAM MEETING
April 28, 2008**

- 1) Kirby Scope of Work for Governance**

- 2) Letter to DWR for Support for Southern California to Receive Grant Dollars**

- 3) Meetings/Follow-up**
 - a. AV Conservation Mtg. – Lancaster City Hall – April 25th**
 - b. May 15th – Grant Workshop Meeting – Riverside
(Santa Ana Watershed Authority)**
 - c. May 19th – Stakeholder Meeting – Lancaster EOC Room**

- 4) Agenda for Meeting on May 12th**

- 5) Agenda for Stakeholder Meeting on May 19th**

- 6) Status of Payments for Kennedy Jenks/Ken Kirby**

**AGENDA
LEADERSHIP TEAM MEETING
April 14, 2008**

- 1) Review Contracts/approve invoices**
 - a) Kennedy Jenks**
 - b) Ken Kirby**

- 2) Long Term Governance**

Leadership Team Meeting – May 12, 2008

Held at: BIA Office – Lancaster – Meeting Started at 3:00 p.m. Concluded at 5:00 p.m.

Meeting Minutes

Attendees: Randy Williams, Wayne Argo, Dave Rydman, Dave Rizzo, Gretchen Gutierrez, Brian Dietrick, Vickie Nelson

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Action Item:

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Leadership Team Meeting – April 14, 2008

Held at: BIA Office – Lancaster – Meeting Started at 3:00 p.m. Concluded at 5:00 p.m.

Meeting Minutes

Attendees: Randy Williams, Wayne Argo, Dave Rydman, Dave Rizzo, Gretchen Gutierrez, Brian Dietrick, Vickie Nelson

Guests: Curtis Paxton – Palmdale Water District
Ken Kirby – Kirby Consulting – via phone

Action Item: Contract/Invoice Review (Kennedy Jenks & Ken Kirby)

Approval of K. Kirby invoice in amount of \$3,883.00 for payment.

Also discussion/with clarification by C. Paxton/AVSWCA that all prior scopes of work/contracts would be dissolved upon an effective date to be forthcoming/determined, so that only current contracts/scopes would be in effect and all prior contracts/scope of works sunset.

Also discussion held as to which agency(s) may still be outstanding in financial contributions to the funding stream for management/disbursement. All agencies had been billed effective January 1st, for the additional \$5K per agency commitments, however, believed that not all monies had yet been received for deposit.

Action Item: Long Term Governance Discussion

Discussion/suggestions made as follows:

K. Kirby – Get revised MOU signed by all 11 agencies – question – have any of the 11 agencies signed to date?

Immediate request: Adopt the Revised MOU by all appropriate agencies/parties to avoid separation from the plan and the collective interests of the region.

Request directed to K. Kirby to provide a cost/bid to aid in the draft language/operational budget requirements for a long-term governance structure framework

PAGE TWO

Minutes – April 14, 2008

Action Item – sub-issue:

Also to be considered is the budgetary requirements that will be involved in the permanent creation of a governance structure (i.e.- who pays for what, how much, annual operating expenses, etc.).

Report Item:

Updated report/analysis of meeting at end of March with presentation to LA County Farm Bureau Board of Directors as to the plan content; current process/staging and where the plan goes forward. Discussion held with directors as to a variety of topics not directly related to the IRWM Plan.

Additionally, Leadership Team requested to hold a stakeholder meeting at future date during evening hours (Meeting established for Monday, May 19th at Lancaster City Hall).

Further, LA County Farm Bureau Adopted Water Policy shared with Leadership Team as a follow-up item to the meeting.

Also brought to resolution by Farm Bureau directors through a voice vote, was to allow David Rizzo to continue to participate as the “Agricultural Seat” on the Leadership Team structure in its present concept.

**AGENDA
LEADERSHIP TEAM MEETING
MARCH 24, 2008**

- 1) **Review Contracts**
 - a) **Kennedy Jenks**
 - b) **Ken Kirby**
- 2) **Long Term Governance**
- 3) **Applications for Awards &/or Recognition**
- 4) **City of Palmdale – Recycled Water Sources /Power Plant**
- 5) **Other Topics**
 - a) **Discussion on Recommendation from LA County Waterworks to AVEK re: committee for short-term solutions to will-serve letter process**

Leadership Team Meeting – March 24, 2008

Held at: BIA Office – Lancaster – Meeting Started at 3:00 p.m. Concluded at 5:00 p.m.

Meeting Minutes

Attendees: Randy Williams, Wayne Argo, Dave Rydman, Dave Rizzo, Gretchen Gutierrez

Absent Team Members: Brian Dietrick, Vickie Nelson

Guests: James Welling – Representative Supervisor Don Maben/Kern Co.
Neil Weisenberger – Director AVEK

Action Item: Contract Review (Kennedy Jenks & Ken Kirby)

Further review/input was discussed as to the specifics of what each entity would be responsible for/ time & materials type based contract/responsibilities of which agency(s) to assume financial contract/payment thereof/etc.

Action Item: Long Term Governance Discussion

Discussion begun (however not concluded, with the goal to bring all recommendations to the entire stakeholder group at future date) that a Long Term Governance structure for the region needed to occur quickly and within a less than originally projected 2 year adoption/implementation phase. Discussions were very preliminary in context and were under the general focus of creation of timeline for adoption/implementation of a permanent governance agency(s) for management of the regional plan.

Action Item: Application for Awards/Recognition

Request by several agencies and/or cities to submit IRWMP Plan for consideration of awards and/or recognition. Response was that all applicants should carefully consider having only one agency receive an award for a plan that had been adopted regionally and perception that recognition might not be shared by all entities. Suggest that each award/recognition request be reviewed case-by-case, with determination as to maximum benefit to the Plan and to the appropriate agency(s).

Action Item: Financial Update

Financial reports received from LA County Waterworks as to status of funds available for distribution/applications to grants. Request made to transfer funds from LA County Waterworks to AVSWCA for ongoing management of fiscal issues.

Report Item: City of Palmdale – Recycled Water Sources/Power Plant

Report received from City of Palmdale with status as to Power Plant.

Report Item: Response to Kern County Letter re: AVEK Press Article March 19th

Discussion heard from Leadership Team and guests related to comments made by AVEK General Manager at meeting held on March 19th and quoted in local news media. Kern County reps sought a clarification as to the “factual” amount of in-lieu acre feet that was “claimed” to be placed within Kern County jurisdiction(s). Questions arose to the context remarks were addressed, and whether factual statements were issued, or was a broader forum of context required to understand the entire AVEK in-lieu process on both sides of the county line(s).

Report Item/Possible Action Item: LA County Waterworks Recommendation to AVEK for short-term sub-committee establishment for procuring additional water supply sources

Recommendation made by LA County Waterworks/Adam Ariki at March 19th AVEK Board meeting that a sub-committee/task force be immediately organized by AVEK to aid in the acquisition of short-term water supply availability to re-institute the county policy of water will-serve applications and process.

AGENDA
LEADERSHIP TEAM MEETING
FEBRUARY 21, 2008
LOCATION: AVBIA OFFICE

Attendees:

- 1) Review/Discussion on Kirby Consulting Issues
 - a) Draft Scope of Work – R. Williams
 - b) Proposal Scope of Work – K. Kirby
 - c) Review/Approval – open invoice – Kirby Consulting

Action Items Taken:

- 2) Round 2 Updates – various sources
- 3) Input from Stakeholder/General Public
 - a) AV Conservancy
 - b) Member of General Public inquiry

Action Items Taken:

- 4) Calendar Items
 - a) March 5th – California Water Plan Update – Apple Valley
 - b) March 27th – Presentation to LA County Farm Bureau
 - i) Presentation by K. Kirby

Action Items Taken:

- 5) General Information Distribution
 - a) Presentation made Feb. 1st by Kern Co./Ted James to Kern Co. Water Association

Leadership Team Meeting – February 21, 2008

Held at: BIA Office – Lancaster – Meeting Started at 3:40 p.m. Concluded at 5:15 p.m.

Meeting Minutes

Attendees: Randy Williams, Wayne Argo, Vickie Nelson, Dave Rydman, Dave Rizzo, Brian Dietrick, Gretchen Gutierrez

Action Item:

Continued discussion concerning Draft Scope of Work for Kirby Consulting. R. Williams continued to fine-tune the document, with direct input from K. Kirby via telephone conference call to meeting on Feb. 21st. Additionally, Scope of Work to be reviewed by Kennedy/Jenks for any open issues/conflicts; AVSWCA to also review for inclusion into contract(s) upon transfer to AVSWCA of oversight duties/financial obligations to manage contracts. Additional revisions to be incorporated following meeting (R. Williams to continue to handle incorporation of comments to document).

Action Item:

Request AVSWCA to provide a monthly financial report to Leadership Team (prior to Team meeting(s)), for review of overall financial status and funds availability for disbursement.

Report Item:

Proposition 50 – Round 2 update – Reported by L. Everett, K. Kirby that documentation for Round 2 paperwork submitted and expect funding announcement/decision in late May.

Additionally, B. Dietrick to participate in regional call with other Southern California agencies that have made application for Round 2, to determine if a collective effort to request funds be jointly split throughout Southern California is a viable alternative to a all or nothing funding allocation distribution.

Report Item/Action Item:

Response via written email from Leadership Team to General Public question: (Ursula Williams) regarding agency responsible for water supply/availability in mobile home parks.

Page Two
Leadership Team Meeting
Minutes – February 21, 2008

Information Item:

Meeting attended on Feb. 15th by G. Gutierrez at Kern County Water Association (Bakersfield) with a presentation made by Ted James, Director of Kern County Planning, concerning water availability within Kern County. Power Point presentation copies made available to Leadership Team for information purposes.

Action Item:

Review/Approval of K. Kirby Invoice for presentation to Palmdale City Council and Palmdale Water District – January 10th, 2008. Invoice approved for \$6,284.10.

Calendar Items:

March 5th – Team rep to attend – California Water Plan Update – Apple Valley
March 27th – Presentation to LA County Farm Bureau – presenter Ken Kirby with assistance from Leadership Team members

Leadership Team Meeting – December 19, 2007

Held at AVBIA Office/Lancaster (3:00 p.m. to 5:00 p.m.)

Present: Brian Dietrick, Randy Williams, Wayne Argo, David Rizzo, David Rydman, Gretchen Gutierrez. Absent: Vickie Nelson

Meeting called to order at 3:00 p.m.

Minutes Review

Review of minutes provided by Lauren Everett/Kennedy Jenks of Friday, December 14th conference call. Discussion ensued to provide Randy Williams with more details from conference call, specifically issue raised by LA Co. Farm Bureau and response directed from Ken Kirby and Leadership Team.

For reference purposes – Kennedy Jenks (KJ) and Ken Kirby (KK) to be used in typed materials.

Scope of Work Discussion

The Team spent the majority of time of this first meeting discussing the Scope of Services document provided by Kennedy Jenks/Ken Kirby. While recognizing that assistance in the short term is needed from outside consultant(s), the Team would like to mitigate the cost and timing of the proposal to the following requests/recommendations. Specifically, the Team is requesting that this effort – which is not clearly known at this time – be performed on a time & materials basis, therefore the scope should show hourly rates for those who will provide services and an estimate of time anticipated to be required for each task. The hourly rates should be fully burdened. The Team also requires additional details for clarification of each specific task are outlined below.

Task 1:

While recognizing that some burden has been placed on KJ/KK to date for adoption of the plan (need to have specific funding expenses detailed that have been spent to date), the Team believes that the Notice of Exemptions (NOE's) can and should be filed by the appropriate lead agencies who have the ability to develop the needed documents with in-house talent. The Team acknowledges the expertise that KJ/KK bring to the potential adoption issues, however is seeking further specificity of tasks that KJ/KK would provide to the goal of adopting the IRWMP including estimates of hours needed and other expenses (i.e. time/travel; presentations; documentation).

Task 2:

The Team requests additional definition of the anticipated specific work product (i.e. sample work plans from comparable regions that have successfully adopted a plan;

**Minutes
Leadership Team Meeting
December 19, 2007**

sample budgetary costs of work plan, etc.). This task will also need to specifically list time/services/other expenses of KJ/KK to provide documentation and service.

Task 3:

Team requests that KK/KJ provide time/materials cost estimate to, beyond what is already included or has been performed under the current contract with the stakeholders through Waterworks:

- 1) Provide an expanded/revised MOU to entities to adopt
- 2) Provide detailed description(s) of KJ/KK approach to determining staffing needs of the Leadership Team as well as the function of staff positions that may be recommended – (i.e. administrative vs. technical). How will KJ/KK effort contribute to the overall objective beyond what the Leadership Team can do on its own? What positions should be appropriate to needs of Leadership Team and stakeholder group?

Task 4:

Question arose as to who does the actual documentation/work product for a system &/or reporting mechanisms/requirements. Definition is needed to determine if AVSWCA is the appropriate entity to handle this task or for a separate entity to be developed. However, the Leadership Team does not see a need for KJ/KK assistance with this item during the next two months – the proposed term of the contract that was stated in the original KJ/KK scope of services.

Task 5:

Team determined that the additional projects placed in list consideration, but not adopted as the first seven (7) priority projects, would determine the next inventory of project ideas and plan updates, therefore further assistance for this Task from KJ/KK is not required.

Task 6:

Team members charged with review of own internal agencies availability to establish outreach & communications plans (either through current product and/or creation of staff/products) needed for implementation. Would also include coordination between entities with available resources. Team members to report findings back on conference call on January 7th.

Task 7:

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Leadership Team Meeting
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Team requests that KJ/KK revised scope of bid to show attendance at one (1) stakeholder meeting (to be held on January 22nd between 10:30 AM and Noon) during transition timeline. Team also determined that rotation amongst the Team leaders will suffice for meeting facilitation; supporting administrative staff services will be shared amongst the Team members therefore KJ/KK services of this variety will not be required. David Rydman to provide a report of expenses to date regarding this specific task and availability of current funding to complete this goal.

Task 8:

Project management services should be rolled up into the burdened hourly rates for KJ/KK direct staff working under this agreement.

New Business:

Finances/budget:

Proposal made by R. Williams that the original 11 entities provide \$5K for funding (to be also augmented by additional funding revenue from other vested stakeholders – i.e. BIA, on a pro-rata basis) to establish a base budget for potential implementation of KJ/KK scope of work and those other resources (staff time/materials/etc.) that may need expenditure(s).

Team Spokesperson:

This item initially is broken down into two components; first – a designated Team member to represent the Plan as needed to stakeholders, community leaders, other interested parties, etc. This Team member would be reachable via phone, fax, e-mail and provide the general purpose/goals of the Plan.

Second, the Team will provide through a rotation chair basis, the opportunity for each member to facilitate meetings, stakeholder meetings and provide time/resources to accomplish that goal.

Stakeholder Meeting:

Proposed date: January 22nd
Time: 10:30 a.m. till noon
Location: City of Lancaster – EOC room

**Minutes
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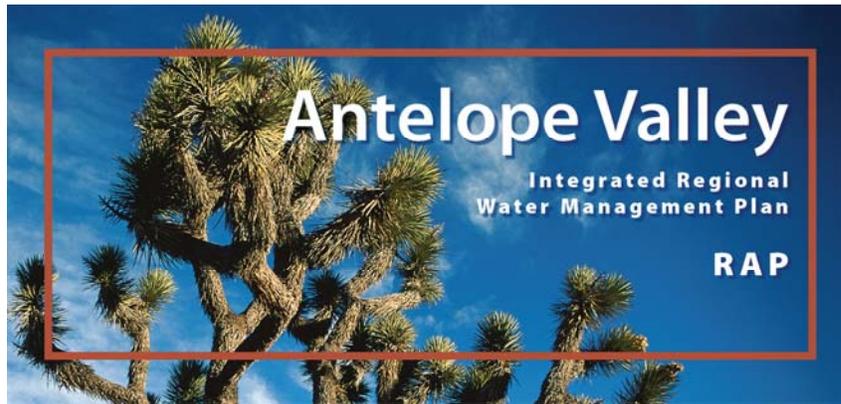
Agenda Items:

Follow-up/conclusion response to letter request from LA County Farm Bureau

- 1) Review of expanded/revised MOU for signatory stakeholders' consideration
- 2) Discussion on proposed in-plan transference of funding request dollars from Sanitation District project to City of Lancaster Recycling Project (this presentation to be handled by Sanitation District & City of Lancaster)
- 3) Update on Financials – billed entities, collection of invoices, any funds remaining on account to consultants – to be provided by LA County Waterworks/Team member David Rydman
- 4) Endorsement/Adoption of Plan by individual entities/cities/stakeholders – updated list

Suggestion also made that a celebratory lunch to be held at site immediately following meeting on the 22nd. TBD is budget/type of meal.

Meeting was adjourned at 4:55 p.m.



REVIEWER INFORMATION

It is important to note that not only do the region boundaries need to make sense from hydrological, water system, and water issue perspectives; but we also need to consider a broader view of how all the IRWM boundaries fit together to achieve benefits statewide. Consider the shape of the IRWM; and how it relates to other regions nearby.

Determine if the RWMG has successfully managed overlaps or gaps within and outside of the region boundary. If there are overlapping IRWM regions, is there a clearly defined relationship between the IRWM planning regions? Are there indications the overlapping regions have discussed their water management issues and coordinated on activities occurring in overlapping areas?

Is there sound reasoning for having more than one RWMG planning water management issues for the same area? Are there distinct water management differences between adjacent or overlapping IRWM regions and the proposed IRWM region to support being separate IRWM regions?

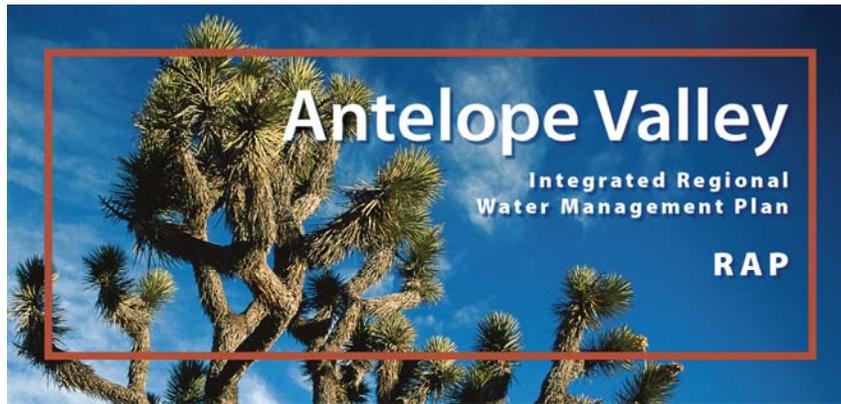
Does the submittal describe any areas within the region that are excluded or create a void area, and if so, explain why this is reasonable and appropriate? Has the boundary been drawn so that the region leaves uncovered or void areas within the region or immediately outside the boundary? Will the region boundary create a planning gap in the region? Are there overlaps, gaps, or holes in the region coverage that do not seem to make sense?

QUESTION	WHAT TO SUBMIT
No. 8a	A description of the IRWM region’s relationship and coordination with adjacent existing or developing IRWM regions.

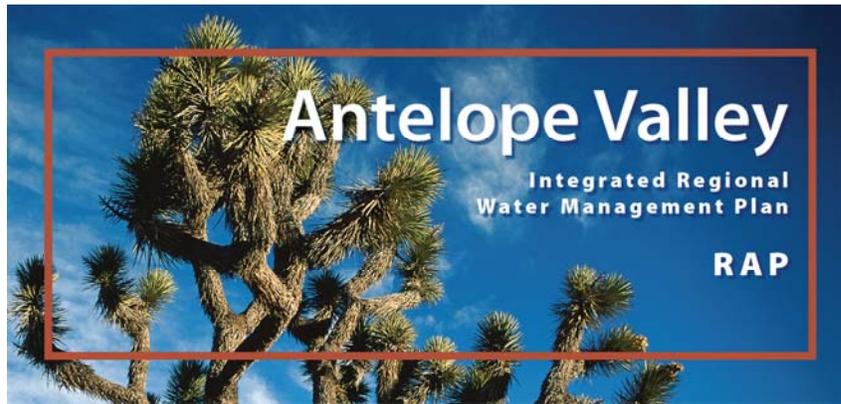
The Antelope Valley IRWM Plan Region is adjacent to the Mojave IRWMP and Kern IRWMP Planning Regions; overlaps exist with both of these regions as discussed below. Coordination with these planning regions, as well as a discussion of these identified overlaps and as an explanation of their basis documented. See Figure 9 in Section 10 for a schematic of these planning regions.

Summary of Coordination between South Lahontan Funding Area IRWM Regions (meeting minutes attached as pdf files):

- **August 25, 2008, 9:00 am – 12:00 pm**, Mountainside Conference Center, Mammoth Lakes, California: Meeting/teleconference attended by representatives from Tahoe Sierra, Mojave, Inyo-Mono, South Sierra, and Antelope Valley IRWM Regions. The purpose was to provide information on the progress of different Regions and to discuss boundary conflicts. Topics included general background of IRWM and RAP, letters of agreement and jointly-created maps for DWR, status updates on each Region, lessons learned from previous IRWM efforts, and agreement on a list of action items.



- **September 17, 2008**, 9:00 am – 9:45 am: Teleconference attended by representatives from Kern, Antelope Valley, Inyo-Mono, Mojave, and South Sierra IRWM Regions. The purpose was to discuss (1) IRWMP status, boundary definition, and potential conflicts, (2) set deadlines for submission of boundary shape files and written explanations to Inyo-Mono, and (3) discuss contacting representatives from other funding areas.
- **September 25, 2008**, 10:00 am – 11:30 am: Meeting attended by Brian Dietrick (Antelope Valley) and Mike Limbaugh (Mojave). The purpose was to discuss overlaps and voids along the adjacent Region boundary.
- **October 2, 2008**, 9:00 am – 10:00 am: Teleconference attended by representatives from Antelope Valley and Inyo-Mono. The purpose was to provide updates on map boundary overlaps/voids and written boundary descriptions.
- **October 23, 2008**, 9:00 am – 9:30 am: Teleconference attended by representatives from South Sierra, Kern, Inyo-Mono, and Antelope Valley IRWM Regions. The purpose was to provide an update on Proposition 84 and 1e, discuss the South Lahontan Funding Area Region boundary map being produced by the Inyo-Mono Region, and discuss the Roundtable of Regions meeting on November 12.
- **February 24, 2009**, 10:00 am – 11:30 am: Teleconference attended by representatives from South Sierra, Inyo-Mono, Antelope Valley, and Mojave. The purpose was to discuss the South Lahontan Region Map overlaps (Kern/South Sierra, Mojave/Inyo-Mono, Antelope Valley/Kern, Antelope Valley/Mojave) and the “void” area north of the Antelope Valley and south of Inyo-Mono. Other topics included the boundary written descriptions, the letter of agreement that would be used for the RAP, and the timetable/deadlines for the RAP.
- **March 3, 2009**, 10:30 am – 12:00 pm, Indian Wells Valley Water District: Meeting/teleconference attended by representatives from Inyo-Mono, Antelope Valley, Mojave, South Sierra, and DWR (Jim Lin). The purpose was to provide an RAP update, discuss RAP requirements for DACs, discuss documentation of coordination efforts with DWR, separating North and South Lahontan, discuss IRWM coverage for Fremont Valley (a “void” north of Antelope Valley and south of Inyo-Mono), and IRWM coverage for the Lahontan area in San Bernardino County east of Mojave.
- **April 2, 2009**, 9:30 am – 10:30 am: Teleconference attended by representatives from Antelope Valley and Fremont Valley (California City). The purpose was to discuss whether to include Fremont Valley in the Antelope Valley Region for the RAP. California City is still considering whether to form their own RWMG or to join the Antelope Valley and requested that the option be kept open for them to join at a later time.
- **April 9, 2009**, 2:00 pm – 3:00 pm: Teleconference attended by representatives from Antelope Valley, Inyo-Mono, Mojave, and Lahontan RWQCB. The purpose was to provide updates on



boundary resolutions for South Lahontan. Inyo-Mono and Mojave have completed a letter of agreement. Antelope Valley and Mojave will complete a similar letter soon. Fremont Valley will remain a “void” area until they decide whether to join Antelope Valley or create their own IRWMP. Outreach will be needed for the area east of Mojave and south of Inyo-Mono (Ft. Irwin/China Lake). RAP interviews may be conducted in groups. South Lahontan could be called to do this.

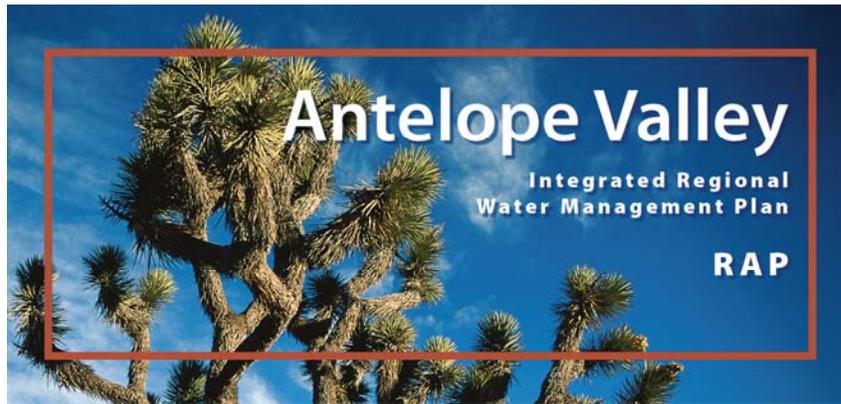
- **April 13, 2009, 10:00 am – 11:00 am:** Teleconference attended by Mike Limbaugh (Mojave) and Brian Dietrick (Antelope Valley). The purpose was to resolve boundary overlaps between the two Regions, specifically at the Harper Valley, Antelope Valley, Middle Mojave River Valley, and El Mirage Valley groundwater basins. It was generally decided that the Antelope Valley Region would continue to use the USGS watershed boundary as the Region boundary.

No. 8b

Identify any overlapping areas and explain the basis for the overlap. Discuss whether there is a clear relationship and acknowledgement by both regions that the overlap is acceptable.

The Antelope Valley Region uses the United States Geological Survey (USGS) Map No. 18090206 to establish the boundary along the west, south and east. The northern boundary is established by the drainage basin as defined in the USGS’s “Land Use and Water Use in the Antelope Valley” and the Antelope Valley Water Group’s “The Antelope Valley Water Resource Study”. The Kern Region uses the Tulare Lake watershed boundary north westerly traversing the Tehachapi Mountains, then along the crest of the Sierra Nevada to establish the eastern boundary of their Region. The Mojave Region currently uses the Mojave Water Agency service area to establish the western boundary of their Region. A map of the Antelope Valley Region boundary and its relationship to the Mojave and Kern boundaries is provided in Section 10 as Figure 9 and Figure 10.

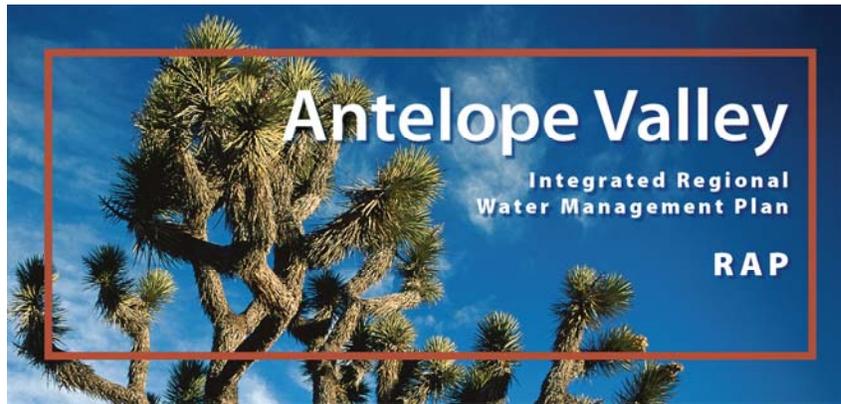
1. Northwest Antelope Valley/Kern overlap – A small portion of the Kern Region’s southeasterly boundary breaks from the Tulare Lake basin watershed boundary to overlap with the northern portion of the Antelope Valley basin watershed boundary where the Tehachapi-Cummings County Water District (TCCWD) shares infrastructure with the Antelope Valley-East Kern Water Agency. TCCWD is a member unit of the Kern County Water Agency, and provides imported water supplies and groundwater management services to its service area. TCCWD did not participate in the Antelope Valley IRWMP planning effort, and it is currently involved in the Kern IRWMP planning effort. The Kern Region boundary extends into the Antelope Valley Region in order to preserve the TCCWD service area within the Kern Region. This overlap area is acknowledged and discussed in the draft Letter of Agreement that is currently being executed between the Antelope Valley Region and the Kern Region; provided as an attachment to this application.



2. East Antelope Valley/Mojave overlaps:

The following descriptions reveal potential conflicts between USGS Map No. 18090206, which delineates the Antelope-Fremont watershed, and the Department of Water Resources (DWR) Groundwater Bulletin 118, which delineates the Antelope Valley, Harper Valley, Middle Mojave River Valley, and the El Mirage Valley groundwater basins (see attachments). These overlap areas are acknowledged and discussed in the draft Letter of Agreement currently being executed between the Antelope Valley Region and the Mojave Region (provided as an attachment to this application) and in the discussion that follows.

- a. Northwest Harper Valley – In this area, the USGS watershed map and the Bulletin 118 groundwater basin map do not appear to agree. The Harper Valley basin extends northwest into the Antelope-Fremont watershed. The USGS boundary suggests that water flows southwest into the Antelope Valley from this area, but the Bulletin 118 map suggests that water flows southeast into Harper Valley. There is a small amount of groundwater production that occurs in this area under the jurisdiction of the Mojave Water Agency. The area inside LA County is part of the Harper Valley watershed and the majority of the watershed is included in the Mojave River Basin adjudication. Nonetheless, Mojave and Antelope Valley have agreed to use the USGS watershed boundary as the IRWMP boundary and for Mojave to be a stakeholder in the Antelope Valley IRWMP. Further investigation of the hydrology of this area is needed.
- b. Northeast Antelope Valley – In this area, the Antelope Valley basin from Bulletin 118 extends across the county line, but the USGS watershed boundary closely matches the Bulletin 118 basins. This area contains a small number of groundwater producers that are subject to the Mojave adjudication. Mojave and Antelope Valley have agreed to use the USGS watershed boundary as the IRWMP boundary and for Mojave to be a stakeholder in the Antelope Valley IRWMP.
- c. Middle Mojave River Valley – In this area, the USGS watershed boundary extends across the county line and crosses a small segment of the Middle Mojave River Valley basin. The USGS boundary suggests that water flows west into the Antelope Valley, but the Bulletin 118 map suggests that water flows east into Middle Mojave River Valley. Mojave and Antelope Valley have agreed to use the USGS watershed boundary as the IRWMP boundary and for Mojave to be a stakeholder in the Antelope Valley IRWMP. Further investigation of the hydrology of this area is needed.
- d. El Mirage Valley – In this area, the Bulletin 118 Antelope Valley basin extends across the USGS watershed boundary and into San Bernardino County. The USGS watershed boundary does not exactly match the Bulletin 118 Antelope Valley groundwater basin boundary. Mojave and Antelope Valley have agreed to use the existing USGS watershed boundary as the IRWMP boundary and for Mojave to be a stakeholder in the Antelope Valley IRWMP. Further investigation of the hydrology of this area is needed to resolve the potential conflict between USGS and DWR.



No. 8c Explain whether the regional boundary will leave any uncovered or void areas immediately outside or within the boundary.

There are no void areas inside the Antelope Valley Region boundary.

Outside the Antelope Valley Region, there is a potential void area in the Fremont Valley. This area is currently not included in any of the South Lahontan Regions as shown on Figure 9 in Section 10. According to USGS Map No. 18090206, the Antelope-Fremont area behaves hydrologically as one surface watershed. But according to DWR Bulletin 118, the Antelope Valley and Fremont Valley constitute completely separate groundwater basins.

No. 8d Describe any areas within the region that are excluded or create a void area and explain why this is reasonable and appropriate. Describe any distinct water management differences between adjacent or overlapping IRWM regions and the proposed IRWM region to support being separate IRWM regions?

As discussed in the narrative above, and as documented in the attached meeting minutes, the Fremont Valley has not decided at this point whether they wish to establish a unique IRWMP Region or to join the existing Antelope Valley Region. Representatives from California City in Fremont Valley attended the Antelope Valley stakeholder meetings semi-regularly from the fall of 2007 to present, but Fremont Valley has also initiated a separate IRWMP process.

There are other reasons to maintain Antelope Valley and Fremont Valley as separate plans. There is only a small water nexus between the two valleys. The groundwater basins are separate per Bulletin 118, and the Antelope Valley adjudication process has established that less than 10 AFY of surface water flow crosses between the valleys. Also, AVEK supplies imported water to California City, but it makes up only 2 to 3% of the total AFY of water supplied to the Antelope Valley. In addition, the Antelope Valley adjudication process has established that the Antelope Valley basin is separate from the Fremont Valley basin, as shown in the attached Judicial Council Coordination Proceeding No. 4408 (see attachments to Section 6), and as also discussed in Question No. 6a.

At this point in time, the Antelope Valley Region and the Fremont Valley emerging Region wish to continue collaborating but maintain separate IRWMP efforts. The option will remain open for the Fremont Valley to join the Antelope Valley at a later time should they decide that integrated regional water management planning would be more effective as the Antelope-Fremont Region.

The Antelope Valley Region boundary as defined is an appropriate area for integrated regional water management and has been working successfully thus far through IRWM Plan development and into Plan implementation. All overlaps have been explained herein or in the attached Letters of Agreement and support the Region’s sustained independence as a separate Region.

Section 8 Attachments

Letter Agreements & Basin Descriptions

28 April 2009

Mr. Ralph Svetich
State of California
Department of Water Resources
Division of Planning and Local Assistance

Subject: Integrated Regional Water Management – Letter of Agreement to Collaborate on
Common Areas

Dear Mr. Svetich:

This Letter of Agreement establishes that the undersigned Regional Water Management Groups (RWMGs) acknowledge a common area that currently exists based on Antelope Valley's existing Integrated Regional Water Management Plan (IRWMP) boundary and the proposed boundary for the Tulare Lake Basin of Kern County (Kern Region) IRWMP.

A small portion of the Kern Region's south easterly boundary breaks from following the Tulare Lake Basin watershed boundary to overlap with the northern portion of the Antelope Valley watershed based boundary where the Tehachapi-Cummings County Water District (TCCWD) shares infrastructure with the Antelope Valley-East Kern Water Agency. TCCWD is a member unit of the Kern County Water Agency, and provides imported water supplies and groundwater management services to its service area. TCCWD did not participate in the Antelope Valley IRWMP planning effort, and is currently involved in the Kern IRWMP planning effort. The Kern Region boundary extends into the Antelope Region in order to keep the entire TCCWD service area within the Kern Region.

Both the Antelope Valley RWMG and the Kern RWMG acknowledge the existence of an overlap of boundaries and have agreed to work collaboratively to address issues of common interests in this area as both regions advance their respective efforts.

On behalf of the Antelope Valley Regional Water Management Group:

David Rydman, Engineer with Los Angeles County Waterworks District No. 40,
Antelope Valley
Phone number: (661) 300-3351

Mr. Ralph Svetich
Division of Planning and Local Assistance
April 27, 2009
Page 2

On behalf of the Kern Regional Water Management Group:

William Miller
Kern IRWMP, Co-chair

William Taube
Kern IRWMP, Co-chair

Lead Agency: Kern County Water Agency
Contact: Lauren Bauer, Water Resources Planner II
Phone Number: (661) 634-1411

cc: Tracie Billington, Department of Water Resources
Jim Lin, Department of Water Resources

April 21, 2009

State of California
Department of Water Resources
Division of Planning and Local Assistance
Attn. Ralph Svetich
Post Office Box 942836
Sacramento, CA 94236-0001

Dear Mr. Svetich:

**Integrated Regional Water Management -
Letter of Agreement on Region Boundaries**

This Letter of Agreement establishes that the undersigned Regional Water Management Groups (RWMGs) accept a common shared boundary for purposes of defining their respective IRWM Regions, as set forth in the Department of Water Resources' (DWR) 2009 *Final IRWM Region Acceptance Process Guidelines*. The shared boundary between the Mojave RWMG and the Antelope Valley RWMG is defined in the paragraph below.

Shared Boundary Description:

The shared western boundary between the Mojave and Antelope Valley IRWM Regions overlaps small portions of the Harper Valley, Antelope Valley, Middle Mojave River Valley and El Mirage Valley groundwater basins as defined in DWR Bulletin 118. The original Mojave boundary was jurisdictional in nature, and therefore follows the north-south County line. The USGS Watershed boundary used to establish the Antelope Valley IRWMP weaves east and west of the County line. The variance, or overlap on each plan is relatively small for each sub-basin. In order to clarify the Integrated Regional Water Management Plan (IRWMP) boundary in each RWMG, MWA and Antelope Valley RWMG's have reviewed and concurred in the delineation and responsibility for these overlap areas in the four sub-basins. Included as an attachment to this letter is a summary of the shared sub-basins and management roles determined to be prudent today. The Mojave Water Agency will assume the role as a stakeholder in the Antelope Valley IRWMP along with the other entities involved with these four sub-basin areas.

On behalf of the Mojave Regional Water Management Group:

Kirby Brill – General Manager, Mojave Water Agency
Lead Agency – Mojave Water Agency
Contact – Michael Limbaugh
Phone number – (760) 946-7023

On behalf of the Antelope Valley Water Management Group:

Los Angeles County Waterworks District No. 40
David Rydman
(661) 300-3351

cc: Tracie Billington, Department of Water Resources
Jim Lin, Department of Water Resources

Sub Basin Areas - IRWMP Overlap –Antelope Valley and Mojave Water Agency

Antelope Valley GW Basin

The Antelope Valley (AV) IRWMP boundary crosses the Mojave Water Agency (MWA) IRWMP along the Antelope Valley GW Basin at two locations. The difference in the boundary lines at both crossings encompasses a relatively small area in comparison to the overall basin and for the most part reflects the MWA geo-political IRWMP boundary. The areas overlapping in the AV IRWMP that are within the MWA IRWMP will be considered to part of the AV IRWMP as the watershed is defined. The functional part of these areas will place MWA in a stakeholder position as part of the RWMG for the AV IRWMP. The area within MWA's IRWMP boundary is located within the Court Adjudicated Mojave River Basin and therefore part of the MWA Watermaster's jurisdictional area. The AV region is presently developing a regional adjudication plan. The planed boundary is proposed to be the County line. Once the adjudicated process is completed the IRWMP boundary will be reevaluated and could potential be revised.

El Mirage Valley GW Basin

Both IRWMP boundaries for all intents and purposes follow the geo-political, County line, and the watershed line, USGS, for the El Mirage Valley GW Basin. The area within the MWA IRWMP is located within the Court Adjudicated Mojave River Basin and therefore part of the MWA Watermaster's jurisdictional area. The AV region is presently developing a regional adjudication plan. The plans boundary is proposed to be the County line. Once the adjudicated process is completed the IRWMP boundary will be reevaluated and could potential be revised.

Harper Valley GW Basin

The northwest area of the HV GW basin is located in the AV IRWMP boundary. The remainder of the HV GW basin is located with the MWA IRWMP boundary. For management of the HV GW Basin both RWMGs concur that management for the sub-basin will be divided by the AV IRWMP boundary. For the area of the sub-basin in the AV and MWA IRWMP boundary MWA will assume the role of stakeholder in the AV RWMG.

Middle Mojave River Valley GW Basin

The Antelope Valley (AV) IRWMP boundary crosses the Mojave Water Agency (MWA) IRWMP along the Middle Mojave River Valley GW Basin at two locations. The difference in the boundary lines at both crossings encompasses a relatively small area in comparison to the overall basin and for the most part reflects the MWA geo-political IRWMP boundary. The areas overlapping in the MWA IRWMP that are within the AV IRWMP will be considered to part of the MWA IRWMP as defined by the County boundary. The area of the sub-basin that overlaps into the AV IRWMP will be part of AV RWMG. The sub-basin area located in both IRWMP boundaries is within the Court Adjudicated Mojave River Basin and therefore part of the MWA

Watermaster's jurisdictional area. The AV region is presently developing a regional adjudication plan. The plans boundary is proposed to be the County line. Once the adjudicated process is completed the IRWMP boundary will be reevaluated and could potential be revised.

Antelope Valley Groundwater Basin

- Groundwater Basin Number: 6-44
- County: Los Angeles, Kern, San Bernardino
- Surface Area: 1,010,000 acres (1,580 square miles)

Basin Boundaries and Hydrology

Antelope Valley Groundwater Basin underlies an extensive alluvial valley in the western Mojave Desert. The elevation of the valley floor ranges from 2,300 to 3,500 feet above sea level. The basin is bounded on the northwest by the Garlock fault zone at the base of the Tehachapi Mountains and on the southwest by the San Andreas fault zone at the base of the San Gabriel Mountains. The basin is bounded on the east by ridges, buttes, and low hills that form a surface and groundwater drainage divide and on the north by Fremont Valley Groundwater Basin at a groundwater divide approximated by a southeastward-trending line from the mouth of Oak Creek through Middle Butte to exposed bedrock near Gem Hill, and by the Rand Mountains farther east.

Runoff in Big Rock and Little Rock Creeks from the San Gabriel Mountains and in Cottonwood Creek from the Tehachapi Mountains flows toward a closed basin at Rosamond Lake (Jennings and Strand 1969). Rogers Lake is a closed basin in the northern part of Antelope Valley that collects ephemeral runoff from surrounding hills (Rogers 1967). Average annual rainfall ranges from 5 to 10 inches.

Hydrogeologic Information

Water Bearing Formations

The primary water-bearing materials are Pleistocene and Holocene age unconsolidated alluvial and lacustrine deposits that consist of compact gravels, sand, silt, and clay. These deposits are coarse and rich in gravel near mountains and hills, but become finer grained and better sorted toward the central parts of the valley (Duell 1987). Coarse alluvial deposits form the two main aquifers of the basin; a lower aquifer and an upper aquifer. Most of the clays were deposited in large perennial lakes during periods of heavy precipitation. These clays are interbedded with lenses of coarser water-bearing material as thick as 20 feet; in contrast, the clay beds are as thick as 400 feet. The lake deposits form a zone of low permeability between the permeable alluvium of the upper aquifer and that of the lower aquifer, although leakage between the two aquifers may occur (Planert and Williams 1995). The upper aquifer, which is the primary source of groundwater for the valley, is generally unconfined whereas the lower aquifer is generally confined. Specific yield of these deposits ranges from 1 to 30 percent (KJC 1995), and wells typically have a moderate to high ability for water well production.

Restrictive Structures

The Antelope Valley Groundwater Basin is composed of three large sediment-filled structural basins separated by extensively faulted, elevated

bedrock (Dibblee 1967; Londquist and others 1993). The rocks deposited in these basins are disrupted by strike-slip faults, normal faults, and folds, which are related to movement along the active San Andreas and Garlock fault zones. Workers at the USGS have separated the groundwater basin into subbasins using faults that have a difference in groundwater elevation across them (Bloyd 1967; Carlson and others 1998).

In addition to the Garlock and San Andreas fault zones, numerous other faults within the basin impede groundwater flow (Bloyd 1967; Durbin 1978; Carlson and others 1998). Bloyd (1967) described eight groundwater subunits in this basin bounded, in part, by faults that displace the water table. The Randsburg-Mojave, Cottonwood, Willow Springs, Rosamond, and Neenach faults displace the water table in the western part of the basin (Bloyd 1967; Dibblee 1963; 1967; Durbin 1978; Londquist and others 1993; Carlson and others 1998), as does an unnamed fault in the southwestern part of the basin (Bloyd 1967). The El Mirage, Spring, and Blake Ranch faults impede groundwater movement in the eastern part of the basin (Ikehara and Phillips 1994), and three unnamed faults displace the local water table in the southeastern part of the basin (Bloyd 1967). A ridge of bedrock buried beneath the northern part of Rogers Lake is a barrier to groundwater flow (Bloyd 1967) in the northeastern part of the basin.

Recharge

Recharge to the basin is primarily accomplished by perennial runoff from the surrounding mountains and hills. Most recharge occurs at the foot of the mountains and hills by percolation through the head of alluvial fan systems. The Big Rock and Little Rock Creeks, in the southern part of the basin, contribute about 80 percent of runoff into the basin (Durbin 1978). Other minor recharge is from return of irrigation water and septic system effluent (Duell 1987).

Groundwater Level Trends

From 1975 through 1998, groundwater level changes ranged from an increase of 84 feet to a decrease of 66 feet (Carlson and Phillips 1998). The parts of the basin with declining water levels are along the highway 14 corridor from Palmdale through Lancaster to Rosamond and surrounding Rogers Lake on Edwards Air Force Base (Carlson and Phillips 1998).

Historically, groundwater in the basin flowed north from the San Gabriel Mountains and south and east from the Tehachapi Mountains toward Rosamond Lake, Rogers Lake, and Buckhorn Lake. These dry lakes are places where groundwater can discharge by evaporation. Because of recent groundwater pumping, groundwater levels and flow have been altered in urban areas such as Lancaster and Edwards Air Force Base. Groundwater pumping has caused subsidence of the ground surface as well as earth fissures to appear in Lancaster and on Edwards Air Force Base. By 1992, 292 square miles of Antelope Valley had subsided more than one foot. This subsidence has permanently reduced aquifer-system storage by about 50,000 acre-feet (Sneed and Galloway 2000; Ikehara and Phillips 1994).

Groundwater Storage

Groundwater Storage Capacity. The total storage capacity has been reported at 68,000,000 af (Planert and Williams 1995) and 70,000,000 af (DWR 1975). For the part of the basin between 20 and 220 feet in depth, the storage capacity has been reported to be 5,400,000 af (Bader 1969).

Groundwater Budget (Type A)

Though a current groundwater budget for the Antelope Valley Groundwater Basin is not available, Durbin (1978) produced a mathematical model for this basin. In addition, Planert and Williams (1995) report 25,803 af of urban extraction and 1,006 af of agricultural extraction for 1992. Fuller (2000) reports an average natural recharge of about 48,000 af, and KJC (1995) reports a range in annual natural recharge of 31,200 to 59,100 af/year.

Groundwater Quality

Characterization. Groundwater is typically calcium bicarbonate in character near the surrounding mountains and is sodium bicarbonate or sodium sulfate character in the central part of the basin (Duell 1987). In the eastern part of the basin, the upper aquifer has sodium-calcium bicarbonate type water and the lower aquifer has sodium bicarbonate type water (Bader 1969). TDS content in the basin averages 300 mg/L and ranges from 200 to 800 mg/L (KJC 1995). Data from 213 public supply wells show an average TDS content of 374 mg/L and ranges from 123 to 1,970 mg/L.

Impairments. High levels of boron and nitrates have been observed (JKC 1995).

Water Quality in Public Supply Wells

Constituent Group¹	Number of wells sampled²	Number of wells with a concentration above an MCL³
Inorganics – Primary	214	25
Radiological	183	6
Nitrates	243	8
Pesticides	207	2
VOCs and SVOCs	207	4
Inorganics – Secondary	214	39

¹ A description of each member in the constituent groups and a generalized discussion of the relevance of these groups are included in *California's Groundwater – Bulletin 118* by DWR (2003).

² Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.

³ Each well reported with a concentration above an MCL was confirmed with a second detection above an MCL. This information is intended as an indicator of the types of activities that cause contamination in a given basin. It represents the water quality at the sample location. It does not indicate the water quality delivered to the consumer. More detailed drinking water quality information can be obtained from the local water purveyor and its annual Consumer Confidence Report.

Well Production Characteristics

Well yields (gal/min)		
Municipal/Irrigation	Range to 7,500 gal/min	Average: 286 gal/min
Total depths (ft)		
Domestic		
Municipal/Irrigation		

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
USGS	Groundwater levels	262
USGS	Miscellaneous water quality	10
Department of Health Services and cooperators	Title 22 water quality	248

Basin Management

Groundwater management:	The Antelope Valley Water Group is an ad hoc coalition that plays a large role in groundwater management for this basin. They are developing an AB3030 plan for this basin.
Water agencies	
Public	Boron Community Services District, Desert Lake Community Service District, Los Angeles County Water Works, Littlerock Creek Irrigation District, Mojave Public Utility District, North Edwards Water District, Palmdale Water District, Quartz Hill Water District, Rosamond Community Service District, San Bernardino CountyService Area No. 70L
Private	Antelope Valley Water Company, Edgemont Acres Mutual Water Company, Evergreen Mutual Water Company, Land Project Mutual Water Company, Landale Mutual Water Company, Oak Springs Valley Water Company, Sunnyside Farms Mutual Water Company, White Fence Farms Mutual Water Company

References Cited

- Bader, J. S. 1969. Ground-Water Data as of 1967, South Lahontan Subregion, California. U.S. Geological Survey Open File Report. 25 p.
- California Department of Water Resources (DWR). 1975. California's Ground Water. Bulletin 118. 135 p.
- Carlson, Carl S. and Steven P. Phillips. 1998. Water-Level Changes (1975-1998) in the Antelope Valley, California. U.S. Geological Survey Open File Report 98-561.
- Dibblee, T. W., Jr. 1967. Areal geology of the Western Mojave Desert, California. U. S. Geological Survey Professional Paper 522. 153 p.
- Duell, L. F., Jr. 1987. Geohydrology of the Antelope Valley Area California and design for a ground-water-quality monitoring network. U. S. Geological Survey Water-Resources Investigations Report 84-4081. 72 p.

- Durbin, T. J. 1978. Calibration of a mathematical model of the Antelope Valley ground-water basin, California. U. S. Geological Survey Water-Supply Paper 2046. 51 p.
- Fuller, Russ, Antelope Valley – East Kern Water Agency. 2000. Oral communication with D. Gamon, Department of Water Resources, Southern District. October 2000.
- Ikehara, M.E. and Phillips, S.P. 1994. Determination of Land Subsidence Related to Ground-Water-Level Declines Using Global Positioning System and Leveling Surveys in Antelope Valley, Los Angeles and Kern Counties, California, 1992. U.S. Geological Survey Water-Resources Investigations Report 94-4184. 101 p.
- Kennedy/Jenks Consultants (KJC). 1995. Antelope Valley Water Resources Study. Consultant's report prepared for the Antelope Valley Water Group, November 1995.
- Londquist, C.J., D.L. Rewis, D. L. Galloway, and W. F. McCaffery. 1993. Hydrogeology and land subsidence, Edwards Air Force Base, Antelope Valley, California, January 1989-December 1991. U.S. Geological Survey Water-Resources Investigations Report 93-4114. 74 p.
- Planert, Michael, and John S. Williams. 1995. Ground Water Atlas of the United States – Segment 1 California Nevada. U. S. Geological Survey Hydrologic Investigations Atlas 730-B.
- Sneed, Michelle, and D. L. Galloway. 2000. Aquifer-System Compaction and Land Subsidence: Measurements, Analyses, and Simulations-the Holly Site, Edwards Air Force Base, Antelope Valley, California. U.S. Geological Survey Water Resources Investigations Report 00-4015. 65 p.

Additional References

- California Department of Water Resources (DWR), Southern District. 1968. *Ground-water and waste-water quality study, Antelope Valley, Los Angeles and Kern Counties*. A report to Lahontan Regional Water Quality Control Board, No. 6. 95 p.
- Galloway, Devin L., Steven P. Phillips, and Marti E. Ikehara. 1998. Land Subsidence and its Relation to Past and Future Water Supplies in Antelope Valley, California. In Borchers, James W. ed. *Land Subsidence Case Studies and Current Research*. Proceedings of the Dr. Joseph F. Poland Symposium. Association of Engineering Geologists. Star Publishing Company: Belmont, California. P. 529-539.
- Moyle, W. R. 1974. *Geohydrologic Map of Southern California*. U.S. Geological Survey Water-Resources Investigations 48-73.
- Templin, William, E., Phillips, Steven P, Cherry, Daniel E., DeBortoli, Myrna L., and others. 1994. *Land Use and Water Use in the Antelope Valley, California*. U.S. Geological Survey Water-Resources Investigations Report 94-4208. 97 p.

Errata

Substantive changes made to the basin description will be noted here.



http://cfpub.epa.gov/surf/huc.cfm?huc_code=18090206

Last updated on Monday, April 27th, 2009.

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Antelope-Fremont Valleys Watershed -- 18090206

Antelope-Fremont Valleys

Watershed Profile

Watershed Name: Antelope-Fremont Valleys
USGS Cataloging Unit: 18090206
CA 22th Congressional District
CA 25th Congressional District
CA 26th Congressional District

[Citizen-based Groups at work in this watershed](#)
(Provided by [Adopt your Watershed](#))

[Water quality monitoring data from this watershed](#)
(Provided by STORET)

[Environmental Websites Involving this Watershed](#)

[National Watershed Network](#) (provided by [Conservation Technology Information Center](#))
[EXIT Disclaimer](#)

Assessments of Watershed Health

- [Impaired Water for this watershed](#)
- *Assessed Waters by Watershed*
 - [California](#)

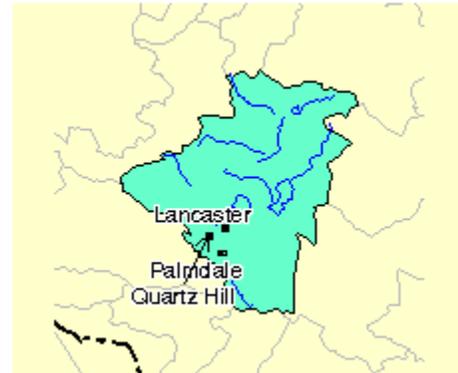
Information provided by the United States Geological Survey (USGS) [EXIT Disclaimer](#)

- [Stream Flow](#) (Source: USGS)
- [Science in Your Watershed](#)
- [Water use data \(1985-2000\)](#): Information about the amount of water used and how it is used.
- [Selected USGS Abstracts](#)

Places Involving this Watershed

Counties:

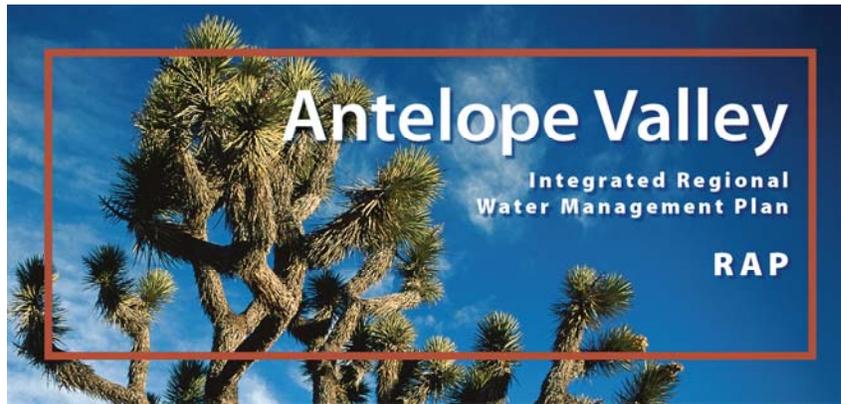
- [Kern](#)
- [Los Angeles](#)



- [San Bernardino](#)
- National Estuary Programs:*
- None
- States:*
- [California](#)
- Other Watersheds Upstream:*
- None
- Other Watersheds Downstream:*
- None

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REVIEWER INFORMATION

DWR will use this list when determining who to invite to the interview. Do the interview attendees selected by the RWMG represent a cross section of the region's water management interests and geographic area? Are the number of interview attendees and spokespersons conducive to a thorough and effective discussion of the region and its definition?

QUESTION	WHAT TO SUBMIT
No. 9	List the entities and the number of representatives from each entity that the RWMG anticipates will be participating in the RAP interview, and the primary spokespersons within those who will be attending.

The following entities are anticipated to participate in the RAP interview. The primary spokesperson is denoted with a *.

<u>Name</u>	<u>Agency</u>	<u>Antelope Valley IRWMP Affiliation</u>
▪ Dave Rydman*	Los Angeles County Waterworks Districts	RWMG Member, Advisory Team Member
▪ Randy Williams	City of Lancaster	RWMG Member, Advisory Team Member
▪ Gretchen Gutierrez	Antelope Valley Building Industry Association	RWMG Member, Advisory Team Member
▪ To be determined (TBD)		
▪ TBD		

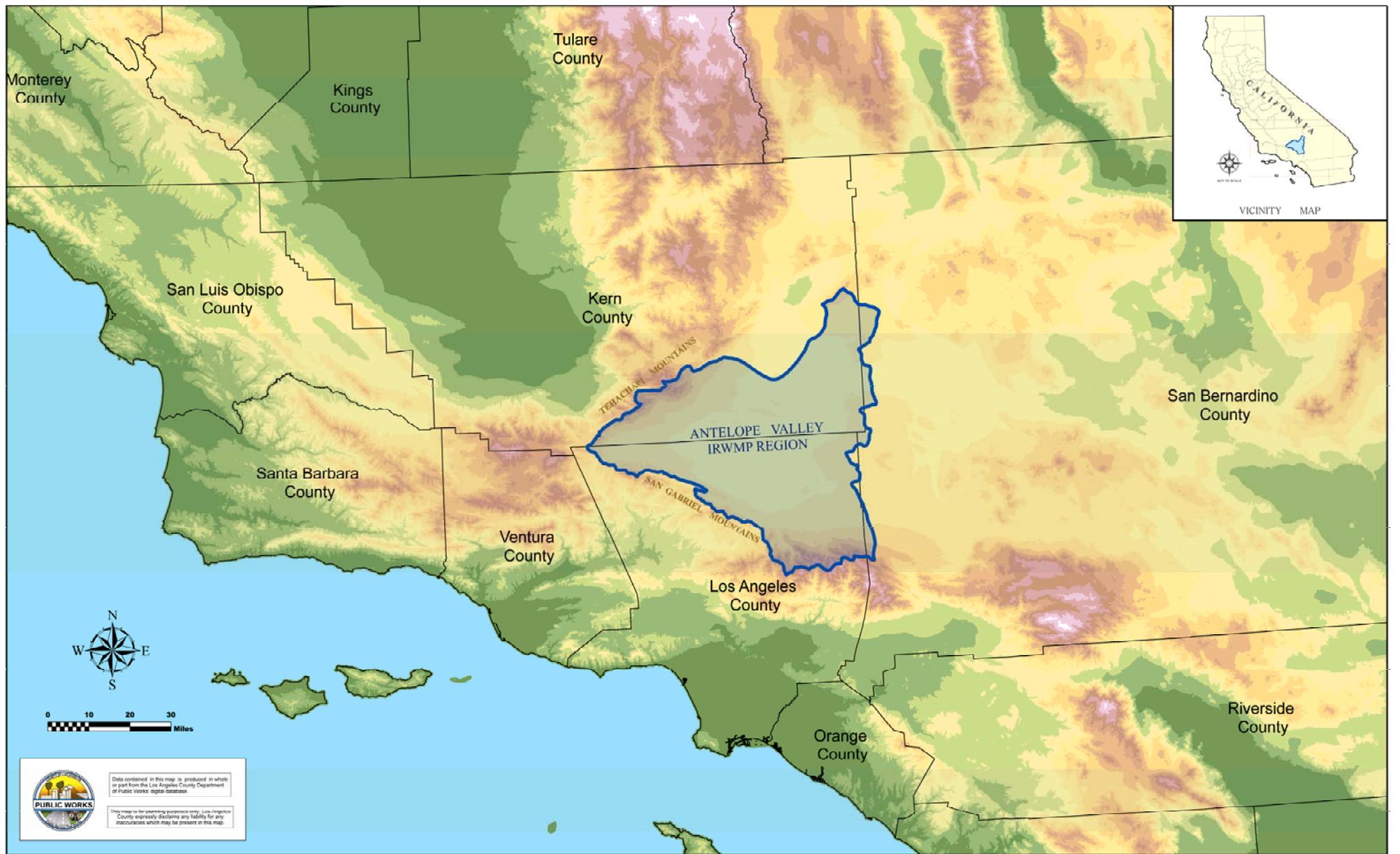


Figure 1 Antelope Valley Integrated Regional Water Management Plan Region

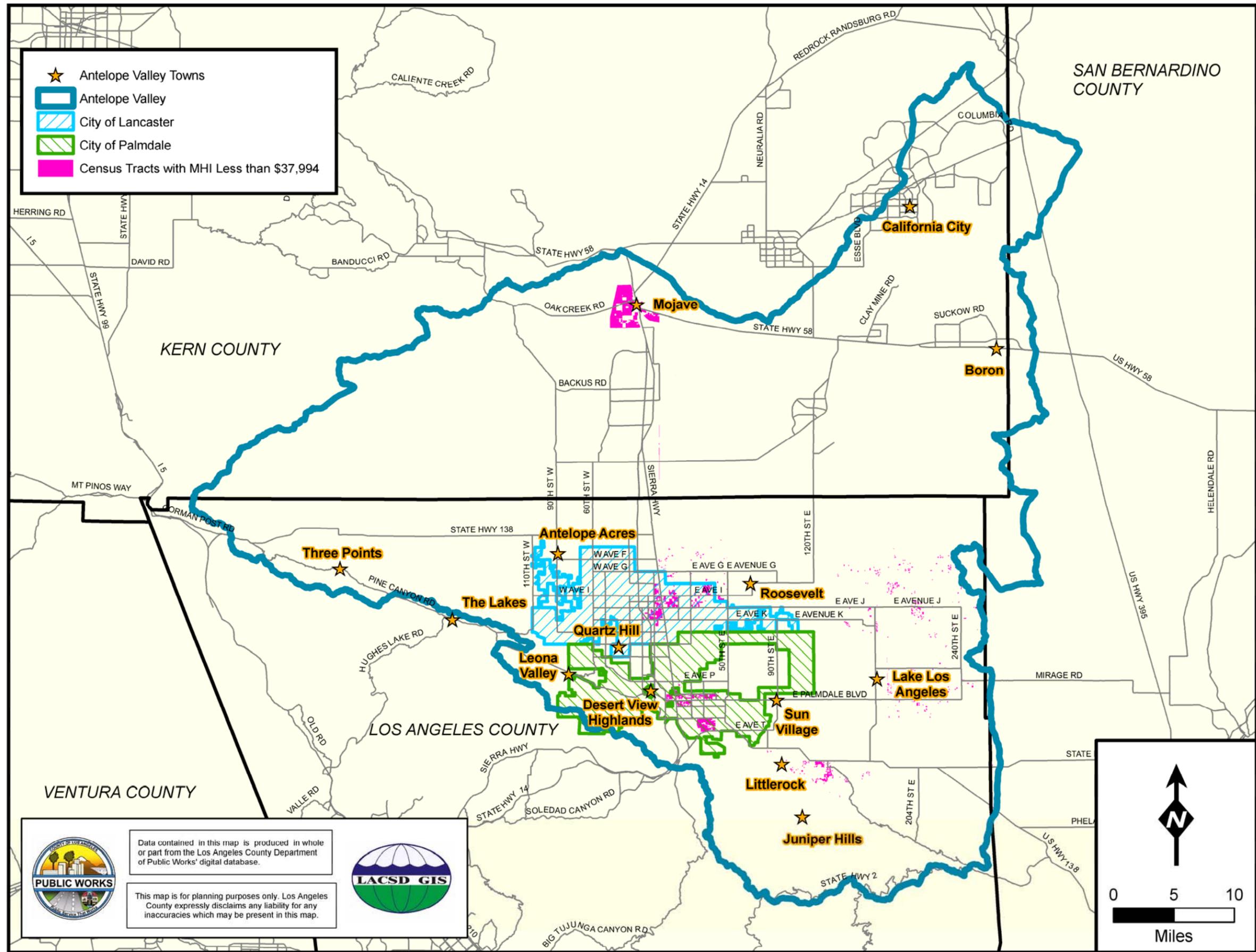


Figure 2 Antelope Valley Disadvantaged Communities

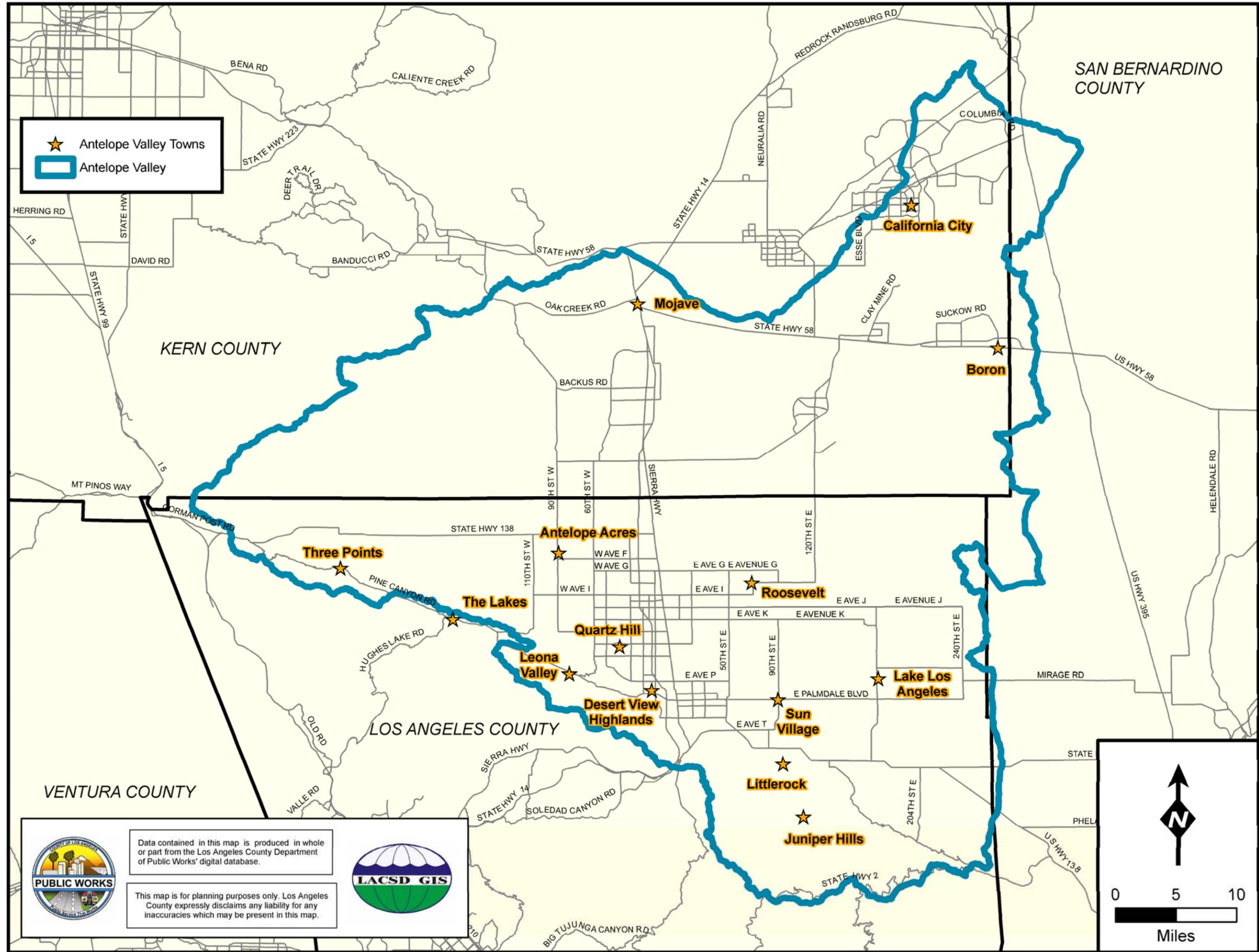
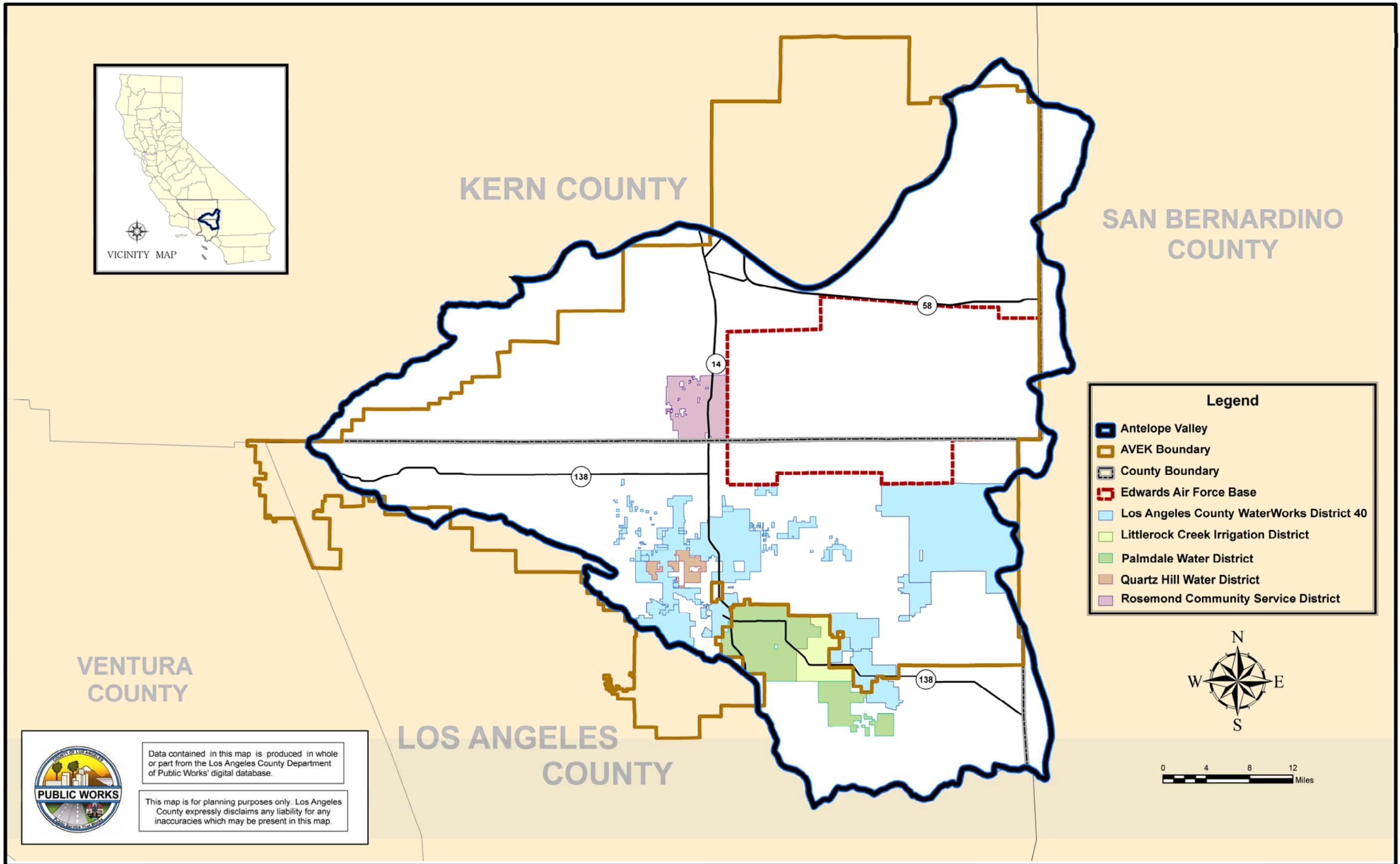


Figure 3 Antelope Valley Towns



Legend

- Antelope Valley
- AVEK Boundary
- County Boundary
- Edwards Air Force Base
- Los Angeles County WaterWorks District 40
- Little Rock Creek Irrigation District
- Palmdale Water District
- Quartz Hill Water District
- Rosemond Community Service District




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Figure 4 Antelope Valley Service Districts

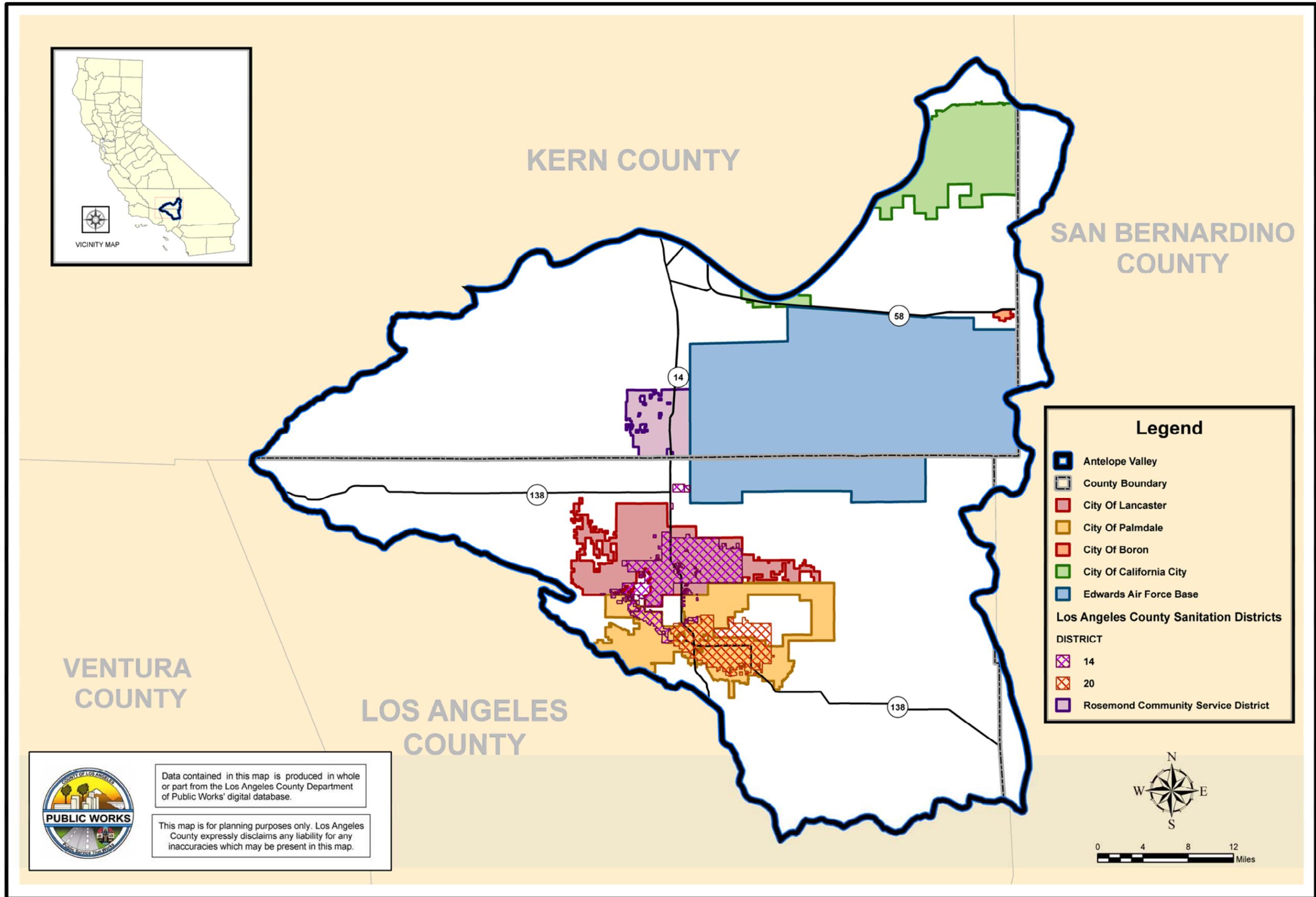


Figure 5 Antelope Valley City Boundaries and Special Districts

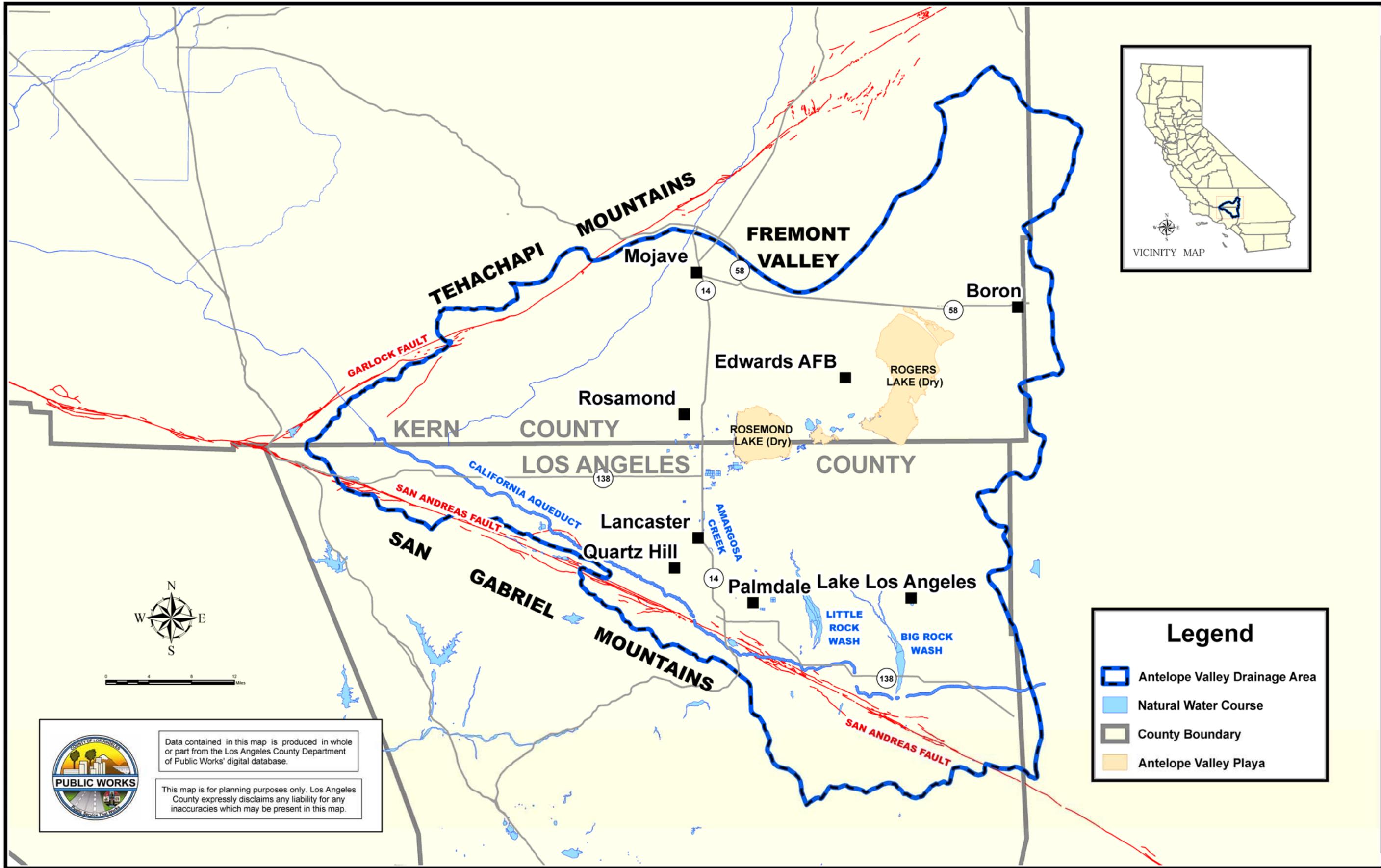


Figure 6 Antelope Valley Hydrologic Features

LEGEND

-  Antelope Valley Drainage Area
-  LACSD Storage Reservoir Area
-  Well Field
-  ASR Well
-  Water Reclamation Plant
-  Water Treatment Plant

VICINITY MAP

STATE OF CALIFORNIA




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MILES



Figure 7 Major Water Related Infrastructure

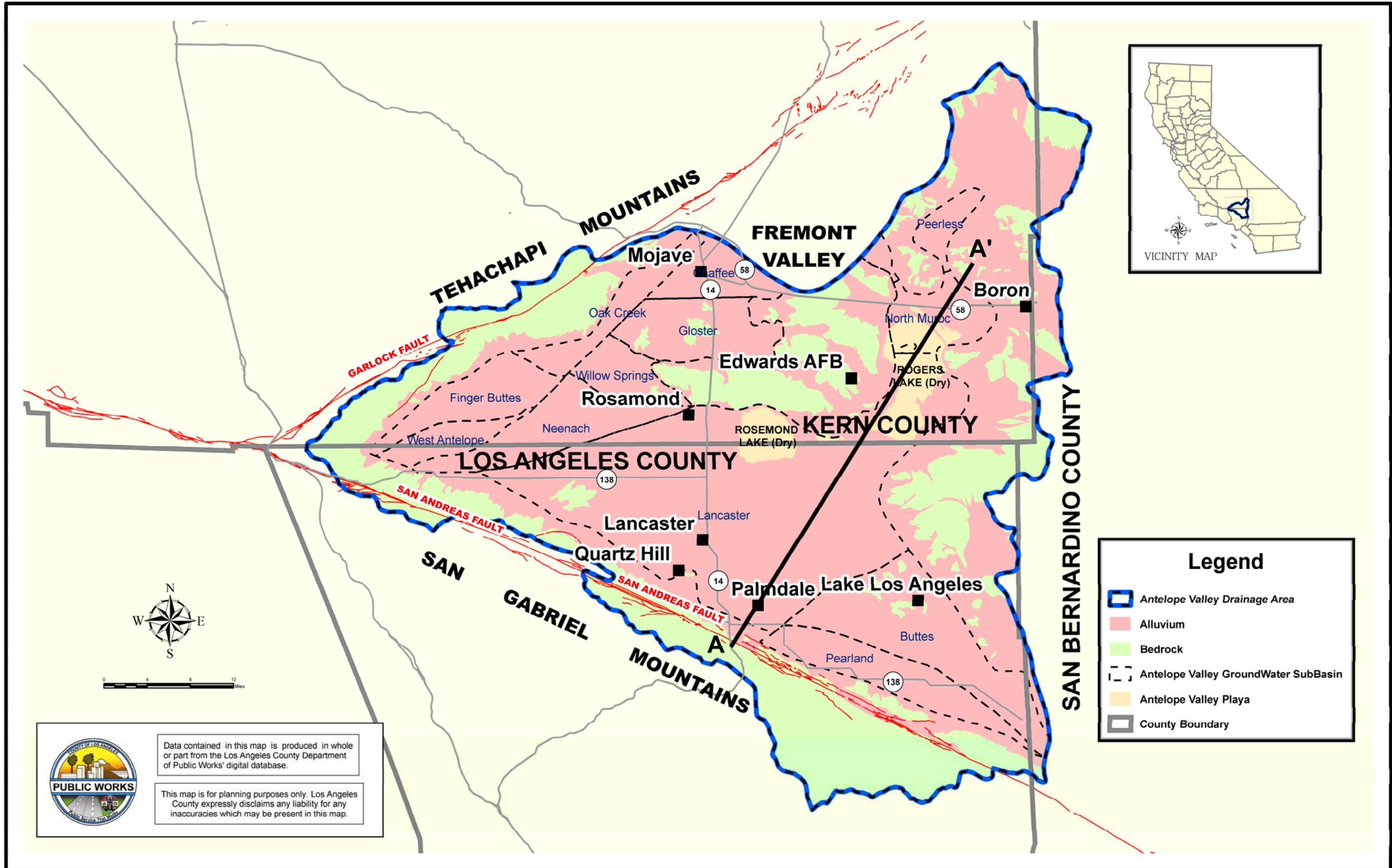


Figure 8 Antelope Valley Groundwater Basin Subunits



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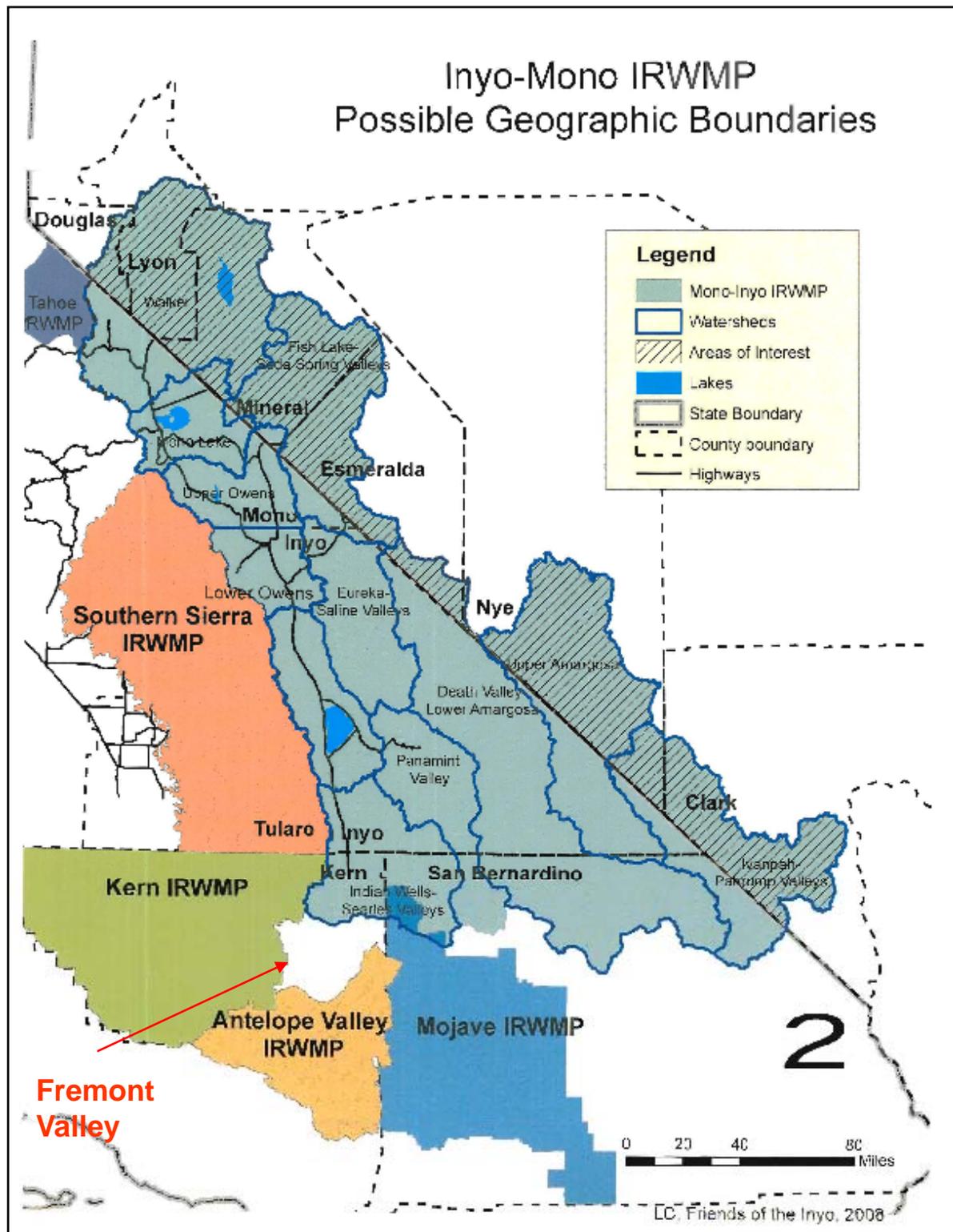


Figure 9 Inyo-Mono IRWMP Planning Committee Recommended Geographic Boundaries

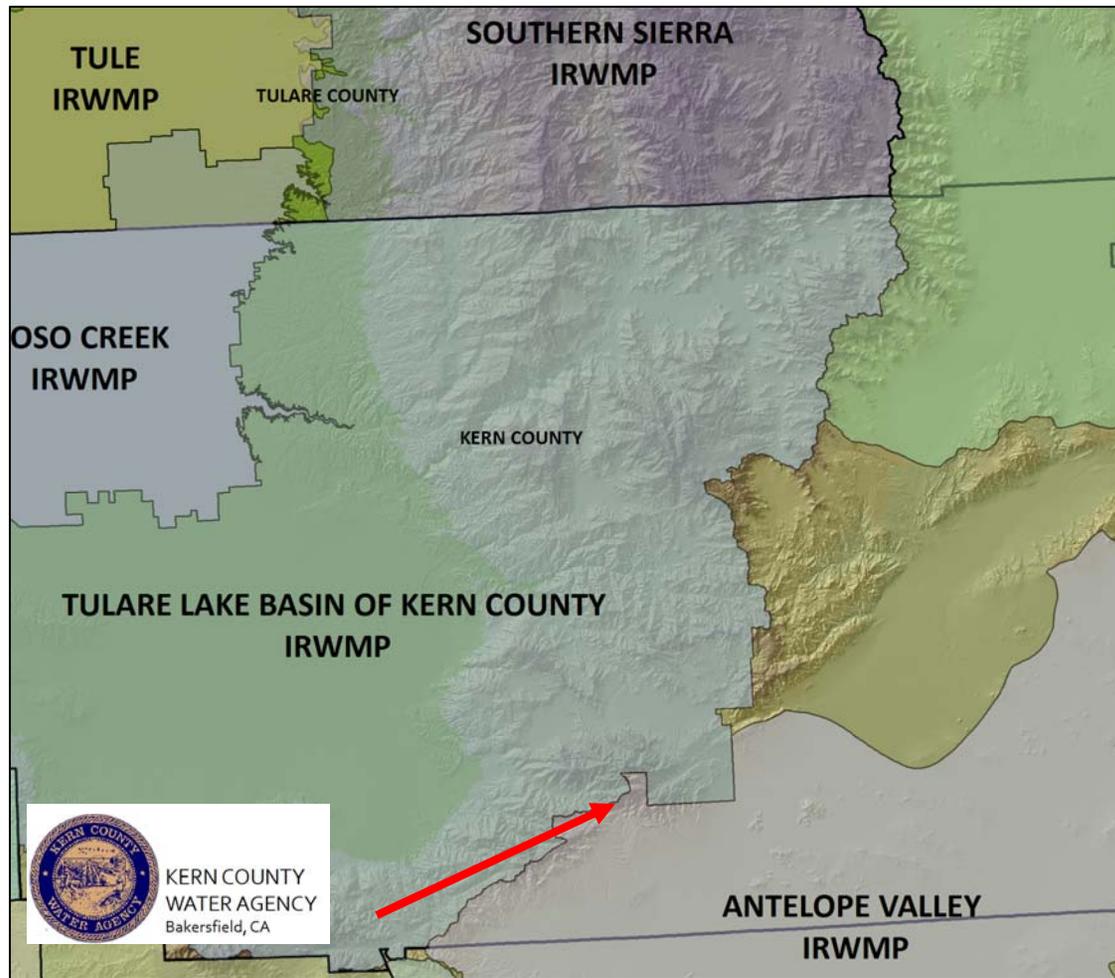


Figure 10 Antelope Valley IRWMP Region & Overlapping Areas w/ Kern IRWMP & Mojave IRWMP

