**Antelope Valley Integrated Regional Water Management (IRWM)**

### The IRWM Program was developed to encourage collaboration on water issues

**Water Purveyor**
- Supply
- Project
- Flood
- County/City

**Public Health Department**
- Water Quality
- Project
- Flood

**Conservancy**
- Water Quality
- Project
- Flood

**Other Stakeholders**
- Flood
- Inflow
- County/City

**Integrated Regional Water Management (IRWM)** is a collaborative effort to manage all aspects of water resources in a region. IRWM crosses jurisdictional, watershed, and political boundaries; involves multiple agencies, stakeholders, individuals, and groups; and attempts to address the issues and differing perspectives of all the entities involved using mutually beneficial solutions.

This State program encourages local agencies to work cooperatively to manage local and imported water supplies to improve quality, quantity, and reliability.

### The State is organized into IRWM Regions based on shared challenges & responsibilities

The Antelope Valley Region is one of 48 regions in the State of California. Regions are defined as contiguous geographic areas encompassing the service areas of multiple local agencies, and are defined to maximize the opportunities to integrate water management activities. Each region is self-defined, and is then approved by the California Department of Water Resources. Approved Regions are eligible to apply for grant funding.

### Numerous Antelope Valley stakeholders have been engaged in the Program since 2006

**Regional Water Management Group**

- Antelope Valley Board of Trade
- Antelope Valley Conservancy
- Antelope Valley Resource Conservation District
- Antelope Valley United Water Purveyors
- Building Industry Association - Antelope Valley Chapter
- California Dept. of Fish & Game
- California Dept. of Public Health
- California Dept. of Water Resources
- California State Water Resources Control Board
- California State Parks
- City of Barstow
- City of California City
- Edwards Air Force Base
- Kern County Board of Supervisors, District 2
- Kern County Farm Bureau
- Kern County Planning Dept.
- Lahontan Regional Water Quality Control Board
- Lake Los Angeles Town Council
- Lake Los Angeles Park Association
- Leona Valley Town Council
- Los Angeles Co. Board of Supervisors Office, District 5
- Los Angeles Co. Dept. of Public Works, Watershed Management Division
- Los Angeles Co. Dept. of Regional Planning
- Los Angeles Co. Farm Bureau
- Mojave Desert Mountain Resource Conservation and Development Council
- Mutual Water Companies
- National Education Association, Antelope Valley Chapter
- National Resources Conservation Service
- Padlock Town Council
- Sierra Club
- Sundale Mutual Water
- Town Councils
- Tybrin Corporation at Edwards Air Force Base
- U.S. Department of Agriculture
- Westside Park Mutual Water Company
- White Fence Farms Mutual Water Company

**Other Stakeholders**

- Antelope Valley State Water Contractors Association
- AVSWCA
- Los Angeles Co. Dept. of Public Health
- Los Angeles Co. Dept. of Water Resources
- Los Angeles Co. Board of Supervisors Office, District 5
- Los Angeles Co. Dept. of Public Works, Watershed Management Division
- Los Angeles Co. Farm Bureau
- California Dept. of Water Resources
- California State Parks
- City of Barstow
- City of California City
- Edwards Air Force Base
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- Lake Los Angeles Park Association
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### The Region has a complex water balance

**Water Budget Boundary**

**WATER ENTERING: Precipitation and Imported Water**

- Evaporation
- Return Flows
- Artificial Recharge:
  - Return Flows
  - Desert, Urban, Ag., Other
- Direct Deliveries
- Production
- Recharge Storage
- Groundwater Storage
- Surface Storage
- Direct Deliveries
- Recycle / Reuse

**WATER EXITING: Consumption**

- Extractions
- Surface Deliveries
- Evaporation
- Return Flows
- Artificial Recharge:
  - Return Flows
  - Desert, Urban, Ag., Other

**Stakeholders have collaborated to develop water management objectives and to write an IRWM Plan that is periodically updated**

- Provide reliable water supply and adapt to climate change
- Establish a supply contingency plan
- Stabilize groundwater levels
- Meet regulatory requirements and customer expectations
- Protect and maintain aquifers
- Protect streams and recharge areas
- Maximize beneficial use of recycled water
- Reduce negative impacts of stormwater, urban runoff, and nuisance water
- Optimize the balance between existing beneficial uses of stormwater and capturing stormwater for new uses
- Preserve open space and natural habitats, and enhance water resources and species in the Region
- Maintain agricultural land use
- Meet growing demand for recreational space
- Improve integrated land use planning to support water management
- Mitigate against climate change

**FOR MORE INFORMATION PLEASE VISIT: WWW.AVWATERPLAN.ORG**
The Antelope Valley IRWM Region is made up of many unique cities and communities.

The Antelope Valley communities are working together through IRWM to implement water projects for the benefit of all.

Groundwater treatment projects allow the Region to remove arsenic and other contaminants from local water supplies.

Water banking projects help the Region to store water in the groundwater basin during wet years for later use during dry years.

Recycled water projects provide the Region with a local supply.

Groundwater recharge projects allow the Region to store both imported and local supplies, and to increase groundwater levels.