AVSWCA
Antelope Valley State Water Contractors Association
www.avswca.org

**COMMISSIONERS**

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**OFFICERS**

*MATTHEW R. KNUDSON, General Manager*
*TOM BARNES, Controller*
*DANIELLE HENRY, Administrative Assistant*

February 12, 2015

# *Agenda for the Regular Meeting of the Commissioners of the Antelope Valley State Water Contractors Association to be held at the Palmdale Water District's office at 2029 East Avenue Q, Palmdale*

## *Thursday, February 19, 2015*

## *6:30 p.m.*

*NOTE:* To comply with the Americans with Disabilities Act, to participate in any Association meeting please contact Danielle Henry at 661-947-4111 x1059 at least 48 hours prior to an Association meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the Palmdale Water District's office located at 2029 E. Ave. Q, Palmdale. Please call Danielle Henry at 661-947-4111 x1059 for public review of materials.

*PUBLIC COMMENT GUIDELINES:* The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the Association to carry out its meeting will not be permitted and offenders will be requested to leave the meeting.

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

1) Pledge of Allegiance.
2) Roll call.
3) Public comments for items not on the agenda.
4) Consideration and possible action on minutes of regular meeting held January 8, 2015.
5) Payment of bills.

6) Presentation on CalWARN Program. (General Manager Knudson)

7) Consideration and Possible Action on financial contribution for the Landscaping for Water Conservation Expo held at the Antelope Valley Fairgrounds on November 1, 2014. (General Manager Knudson)

8) Discussion and Possible Action on an Annual Water Conservation Expo. (General Manager Knudson/Commissioner Weisenberger)

9) Report of General Manager.

   a) Update on Revenue, Expenditures and Change in Net Position.

   b) Update on Littlerock Creek Groundwater Recharge and Recovery Project.

   c) Update on Antelope Valley Integrated Regional Water Management Planning Stakeholder Meetings.

10) Report of Controller.

   a) Update on Regional Water Conservation Efforts.

   b) Update on Drought.

11) Reports of Commissioners.

12) Report of Attorney.

13) Commission members' requests for future agenda items.

14) Consideration and possible action on scheduling the next Association meeting.

15) Adjournment.

AGENDA ITEM NO. 6

# California Water/Wastewater Agency Response Network

1

## MUTUAL AID AND ASSISTANCE IN THE WATER SECTOR

JULY 2012



# CalWARN Initiative





- Three Preceding Bay Area Events
  - 1989 Loma Prieta Earthquake
  - 1990 Freeze
  - 1991 East Bay Hills Firestorm
- 1991 East Bay Firestorm Blue Ribbon Report
  - State Office of Emergency Services Review
  - Evaluated cause of fire, response and improvements
  - Recommended Water Mutual Aid Program
- Action
  - Polled largest 150 water utilities
  - Created a mutual assistance program



# What resources are shared with WARN?



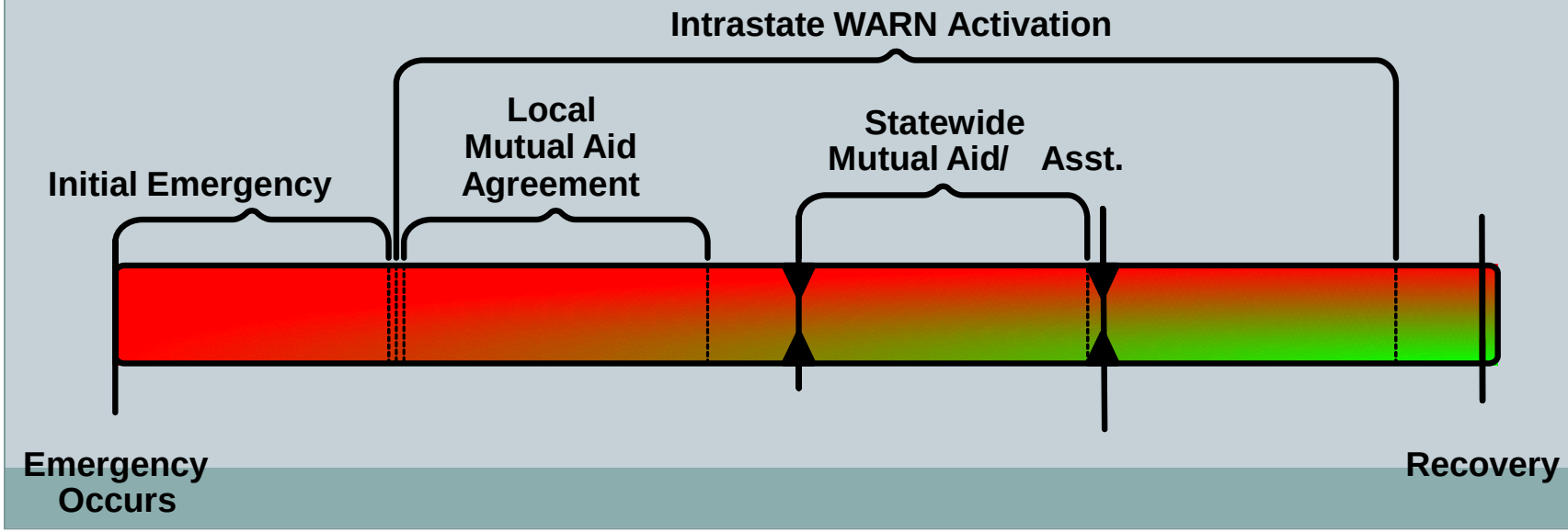
- Qualified Personnel and Equipment (Portable)
  - Operations
  - Maintenance
  - Treatment
  - Management
  - Customer Service
  - Laboratory
- Only ONE Limitation
  - Commodity



# WARN Bridge



- Includes public AND private utilities
- Operates utility to utility for small local events
- Large events coordinated with emergency management
- Reduces the response “gap”



# Agreement on the Agreement



- Based on California Master Mutual Aid Agreement
- CalWARN started with Water Utilities in Coastal Region of CA
  - Initially 15 signed; within 1 year 85 utilities signed
  - Covered 85% of water population within the state region
- Agreement changed 3 times
  - From Regional to Statewide agreement
  - Inclusion of Wastewater
  - Inclusion of National Incident Management System (NIMS)

# CalWARN Regions





# Expanding WARN



- Florida
  - Presentation AWWA Annual Conference and Exhibition (ACE) (2002)
  - Tried to implement in 2003 with little effect
  - Experienced 4 hurricanes in 2004
    - Called CalWARN reps for info and how to
    - Created agreement and signed
- Responded into Mississippi after Katrina landfall 8/2005
  - It worked!

# Going National



- Associations met Nov 2005
  - Lessons learned from Katrina
  - How mutual aid had been successful
  - How to facilitate mutual aid
- Common Understanding
  - Support the effort
  - Move forward together
  - Mutual aid is key




**Utilities Helping Utilities**

**Joint Policy Statement on Mutual Aid & Assistance Networks**

The water sector is committed to a "Utilities Helping Utilities" concept and is taking steps to encourage utilities and local/state governments to establish intrastate mutual aid and assistance networks. The purpose of these networks is to provide a method whereby water/wastewater utilities that have sustained damages from natural or manmade events could obtain emergency assistance in the form of personnel, equipment, materials, and other associated services as necessary, from other water/wastewater utilities. The objective is to provide rapid, short-term deployment of emergency services to restore the critical operations of the affected water/wastewater utility.

A pre-established agreement among a network of utilities can complement and enhance local capabilities to prepare for and respond to a broad range of threats, both natural and man-made. The establishment of such intrastate mutual aid and assistance networks is a core principle of the National Preparedness Goal developed by the Department of Homeland Security.

Formalizing the existing capability to provide mutual aid and assistance provides the water/wastewater sector with a degree of resiliency against natural or manmade disaster to ensure continuity of service to our sector's customers.

It is essential that all partners in the water and wastewater community work together to support this concept. We encourage our members to discuss this concept with peers and take the steps necessary to establish an intrastate mutual aid and assistance network.

Mutual Aid Joint Policy Statement
February 15, 2006

# Utilities Helping Utilities



- Utilities Helping Utilities Action Plan
  - Outlines 10 key steps in the formation of a WARN
  - Includes
    - Sample agreement that satisfies NIMS
    - Comparative assessment of existing WARN programs



**UTILITIES HELPING UTILITIES:**

**AN ACTION PLAN FOR MUTUAL AID AND ASSISTANCE NETWORKS FOR WATER AND WASTEWATER UTILITIES**

By Kevin Morley, American Water Works Association and Ray Riordan, California Utilities Emergency Association

*An ounce of prevention is worth a pound of cure.*
- Benjamin Franklin

American Water Works Association

Advocacy
Conferences
Education and Training
Science and Technology
Sections

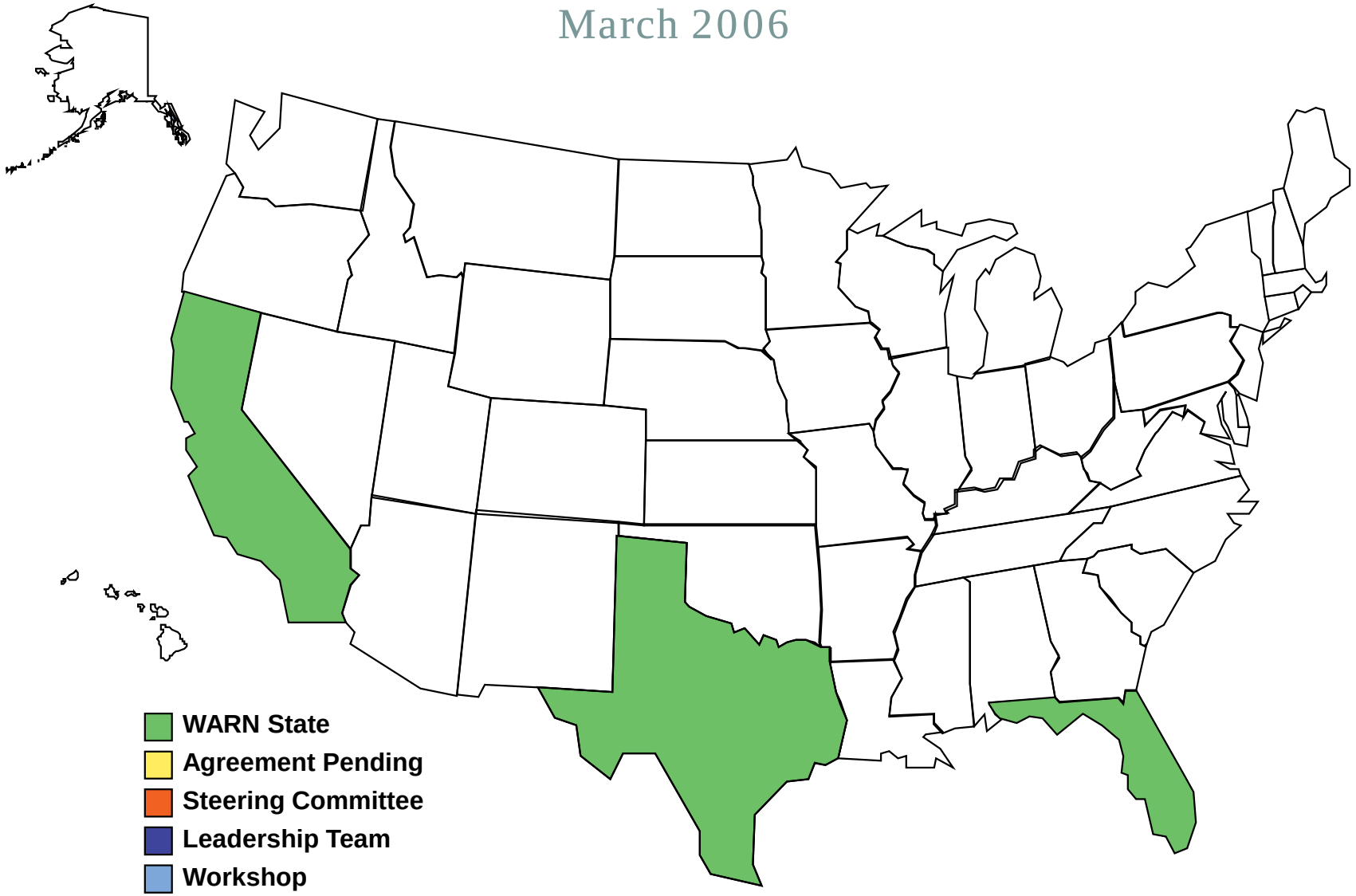
# Successful Support



- Utility owner/operators
- Professional association representation
  - (AWWA, NRWA, WEF, sanitation association, etc.)
- State water and wastewater primacy agency
  - (State health, environmental protection, etc.)
- State emergency management and/or homeland security agency
  - (State EMAC coordinator)
- US EPA region representation

# WARN Status

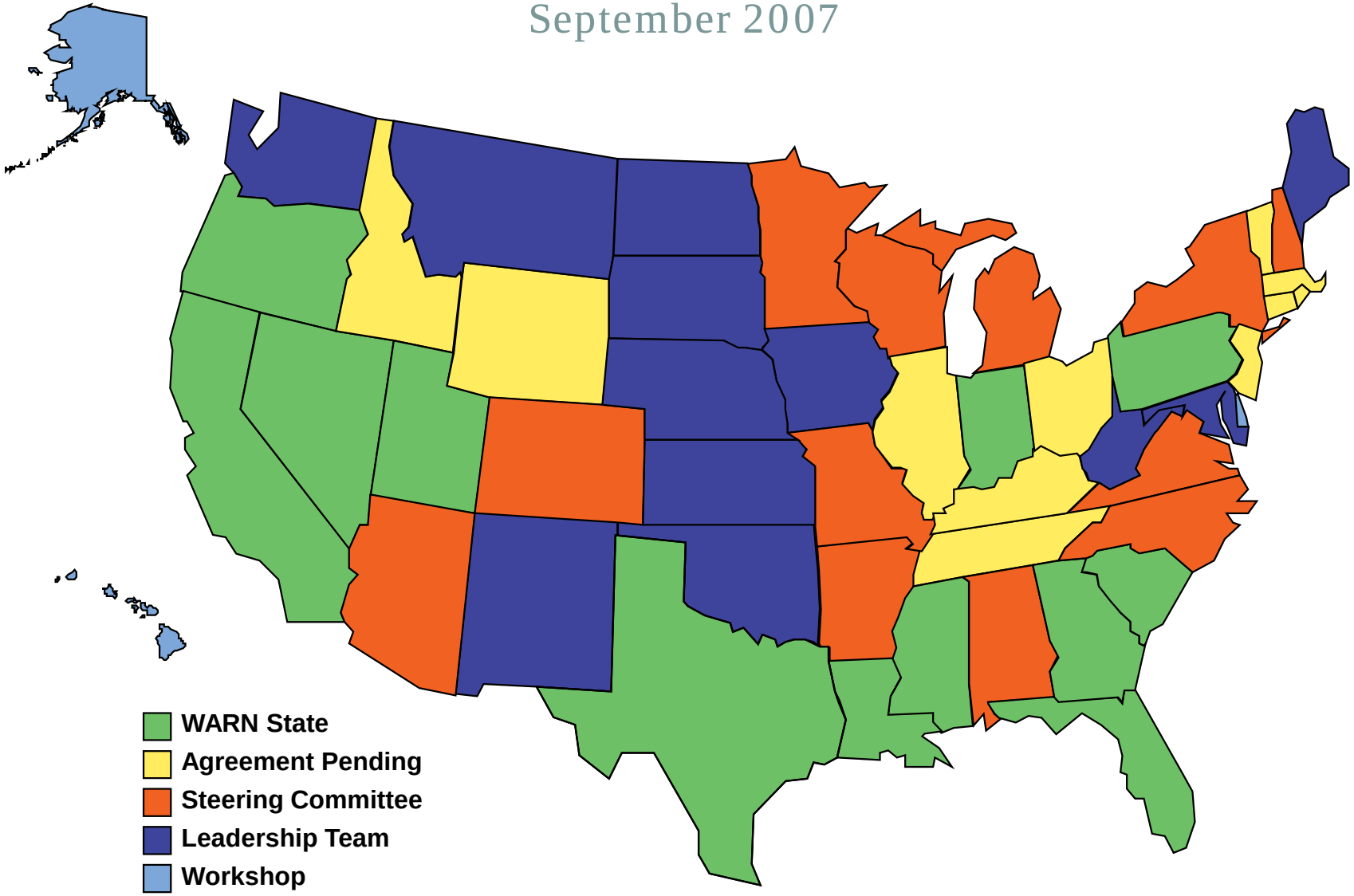
## March 2006




* AL, AZ, MA, NH, NV - Signed or draft agreement does not directly include private utilities.

# WARN Status

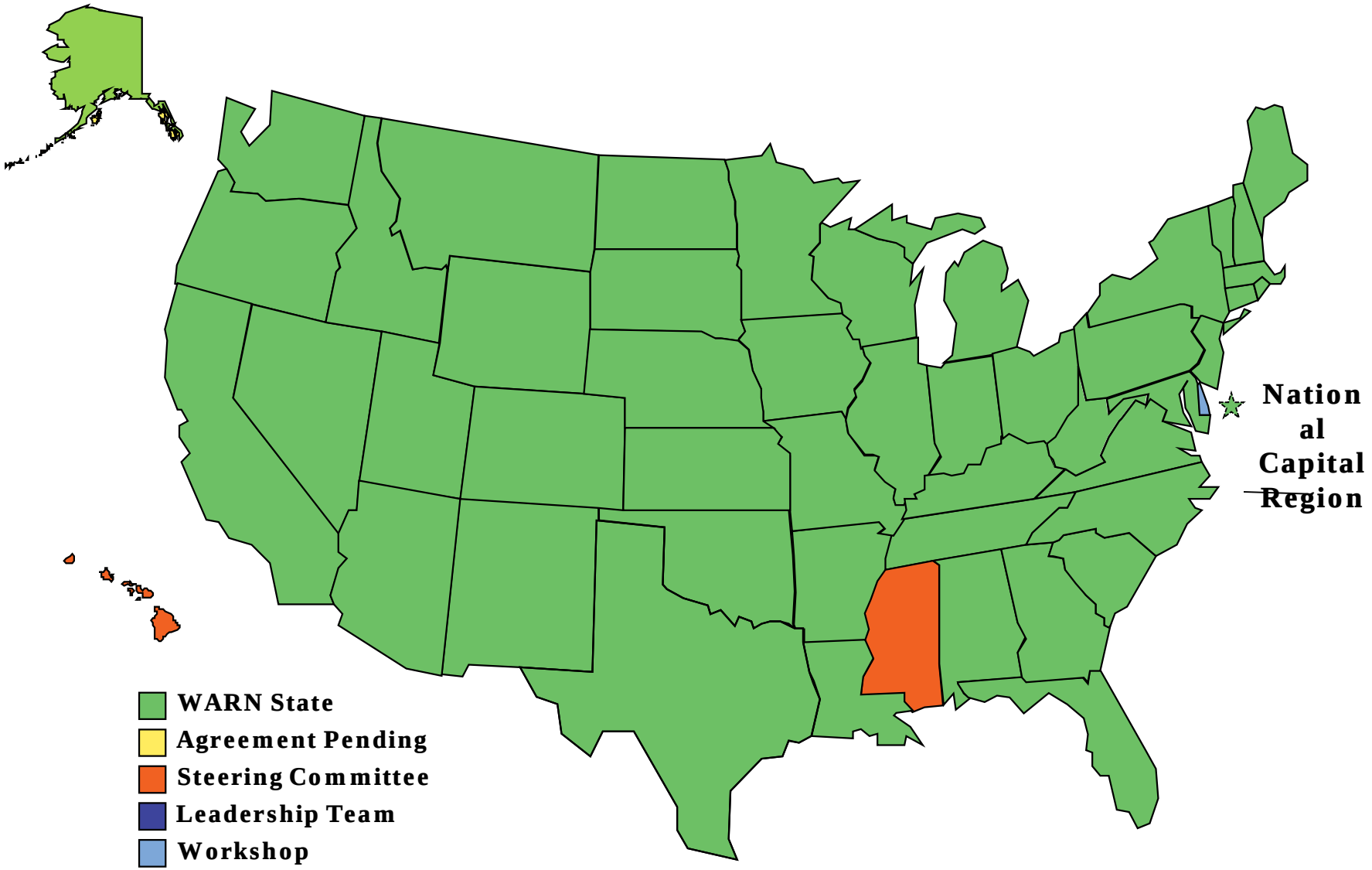
## September 2007




* AL, AZ, MA, NH, NV - Signed or draft agreement does not directly include private utilities.

# WARN Status

April 2010




* AL, AZ, MA, NH, NV - Signed or draft agreement does not directly include private utilities.

# International WARN

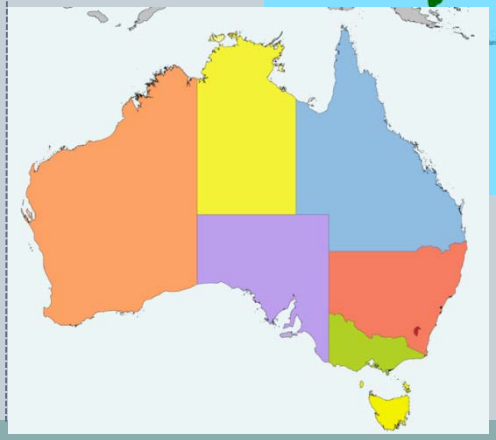


- Canada
  - Alberta has active WARN
  - Ontario and Quebec discussing formation
- Mexico
  - Discussions with AWWA on how to implement
- Australia
  - Two states discussing options









# Recognition



- International Association of Emergency Managers
  - Partners in Preparedness Award, 2006
- National Emergency Management Association (NEMA)
  - Recognized WARN as a best practice
  - Emergency Management Assistance Compact (EMAC)
  - WARN occupies seat on Advisory Council
  - International Association of Fire Chiefs and Police Chiefs Association are implementing a “WARN” model
- Federal Emergency Management Agency
  - NIMS Integration Center maintains copy of WARN agreement
  - Recognized WARN as model public private integration agreement

# NIMS, SEMS, and ICS (WARN Response)





# Successful Uses of WARN



- CalWARN
  - Northridge Earthquake, 1994
  - El Nino Storms, 1998
  - Sonora Fires, 2001
  - Southern California Fires, 2007
  - Baja California Earthquake, 2010
- COWARN
  - City of Alamosa Salmonella outbreak, 2008
- FlaWARN
  - Hurricanes Katrina, Wilma and Rita, 2005
  - Tornadoes, 2007
- ORWARN
  - Detroit Blizzard 2008
- TNWARN, INWARN, KYWARN, AKWARN
  - Ice Storm February 2009
- TXWARN
  - Rain Storms and Hurricane Humberto, 2007
  - Hurricane Dolly and Ike, 2008

***This list includes only the major documented cases of WARN activation***

# City of Alamosa Salmonella Outbreak March- April 2008



- Unusual sickness linked to the Alamosa Water District distribution system
- City of Alamosa signs CoWARN Agreement (3/21)
- Governor declares Public Health emergency (3/21)
- Water samples test positive for Salmonella (3/24)
- All restrictions lifted/water safe to drink (4/11)

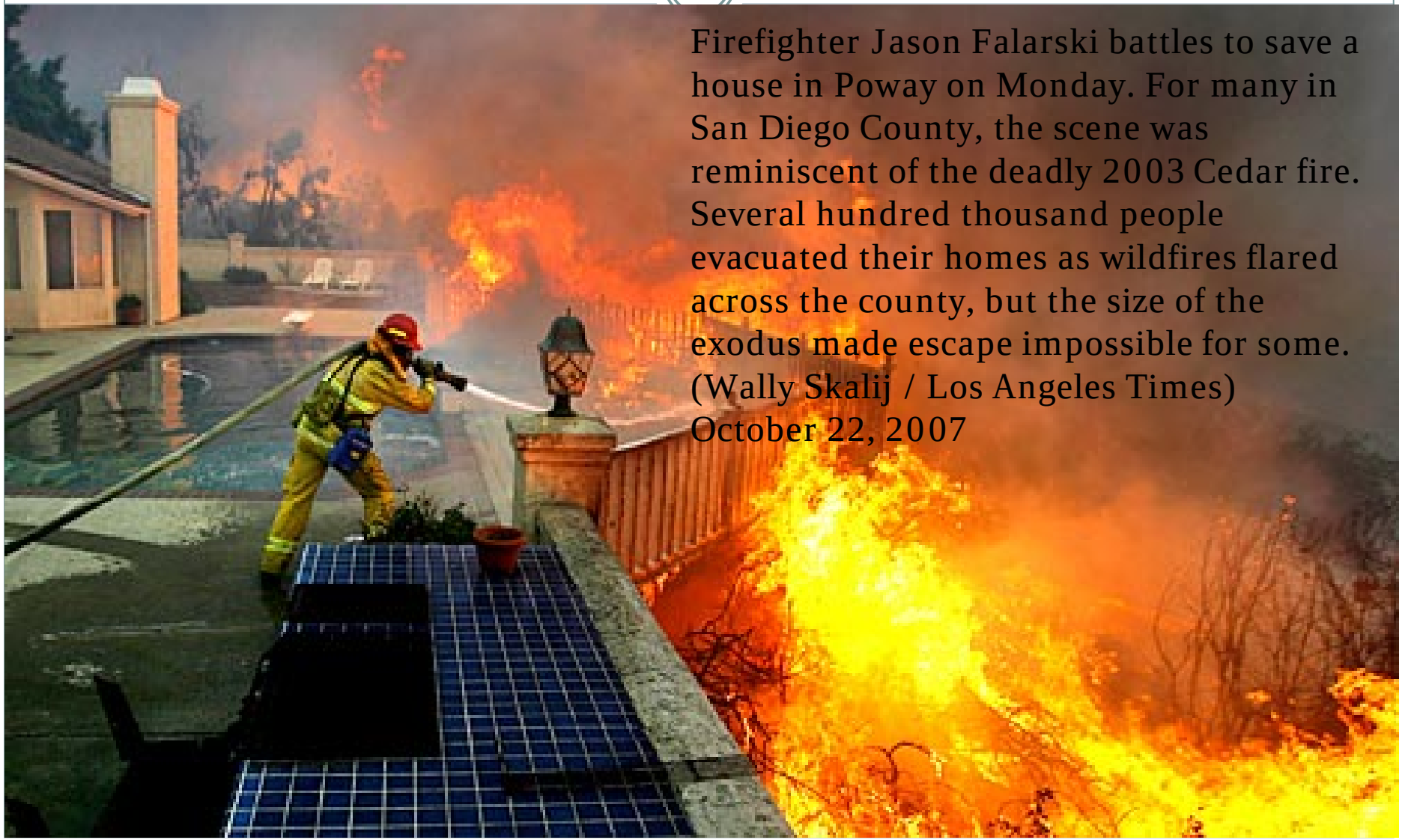
# City of Alamosa Salmonella outbreak March – April, 2008



- Major effort was to:
  - Determine the source of contamination
  - Inform the public
  - Establish a logistical system for the distribution of clean water
  - Remove the contamination from the system
- CoWARN response consisted of:
  - 23 water and wastewater utilities working together, including the Colorado Rural Water Association
  - State of Nebraska (through the Mid-America Alliance)
- Large and small CoWARN members worked together to provide:
  - Technical expertise, equipment, and supplies
  - Critical system disinfection and water sampling support

# San Diego Fires – October 2007





Firefighter Jason Falarski battles to save a house in Poway on Monday. For many in San Diego County, the scene was reminiscent of the deadly 2003 Cedar fire. Several hundred thousand people evacuated their homes as wildfires flared across the county, but the size of the exodus made escape impossible for some. (Wally Skalij / Los Angeles Times) October 22, 2007

# Water System Impacts



- Boil Water
  - 27 water systems in San Diego County
  - 2,522 connections
- Do Not Use
  - Ramona Water District
  - Evacuation order included “turn on sprinklers” request
  - No pump power – negative pressure - ground Water intrusion concerns
  - Conflict between State and County Health directions
- Alternate Uses
  - Helo pickup at prime water sources
  - Potable water distribution sites

# Water Response



- San Diego County Water Authority (SDCWA)
  - Wholesale distributor to 24 utilities
  - Sits at the County Emergency Operations Center during emergencies
  - San Diego based local mutual assistance program
- Mutual Aid requests managed by SDCWA
- Response from the San Diego utilities
  - E-mail request sent out to county members
  - 20 minutes later 105 resources gathered from 16 unaffected utilities
  - Sufficient resources among the SDCWA member utilities to manage the event

# Resource Needs

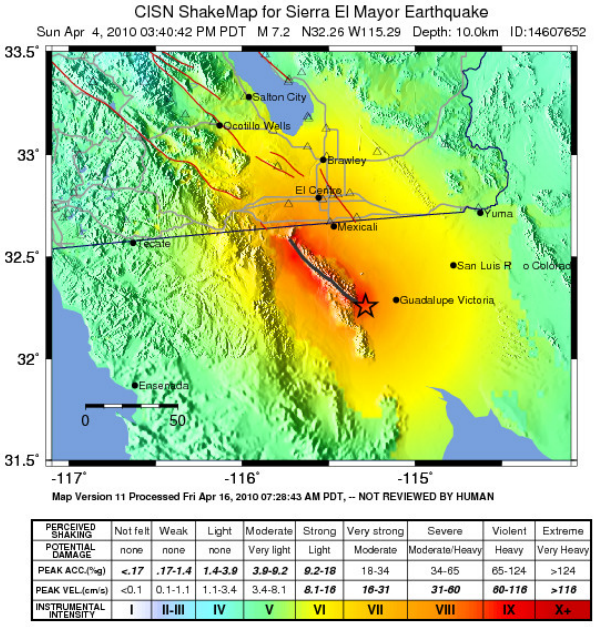


- Resources provided
  - Staff
    - Operators
    - Mechanics
    - Electricians
    - Water Quality Techs
  - Water buffaloes for firefighting and cattle
- Bottled water distribution
  - County managed
  - Local distribution points established with the utility input
  - State Office of Emergency Services Guidance
    - www.oes.ca.gov

# Easter Sunday Baja Earthquake



- 7.2 magnitude earthquake
- 90 miles south of border
- Damage along rivers that feed the Salton Sea
- Impact on six water/wastewater utilities, most significant:
  - Imperial Irrigation District
  - City of Calexico




| PERCEIVED SHAKING | Not felt | Weak | Light | Moderate | Strong | Very strong | Severe | Violent | Extreme |
|---|---|---|---|---|---|---|---|---|---|
| POTENTIAL DAMAGE | none | none | none | Very light | Light | Moderate | Moderate/Heavy | Heavy | Very Heavy |
| PEAK ACC.(%g) | *<.17* | *.17-1.4* | *1.4-3.9* | *3.9-9.2* | *9.2-18* | 18-34 | 34-65 | 65-124 | >124 |
| PEAK VEL.(cm/s) | <0.1 | 0.1-1.1 | 1.1-3.4 | 3.4-8.1 | *8.1-16* | *16-31* | *31-60* | *60-116* | *>116* |
| INSTRUMENTAL INTENSITY | I | II-III | IV | V | VI | VII | VIII | IX | X+ |

# CalWARN Support



- Staffed Water Desk
  - Imperial County Operational Area EOC
  - California EMA Southern Region EOC
- Technical expert
  - Verified damages
  - Coordinated resources
  - Started alternate water supply planning
- Mutual Aid /Resources Coordinated
  - Tank diving team and rover
  - Documentation support
  - Portable treatment systems

# CalWARN Operational Plan

# Major Components

- Activation of WARN
- Response considerations
  - Mutual aid/assistance
    - Requesting
    - Responding
  - Demobilization
- CalWARN Coordination
  - Small events – Utility to Utility
  - Large events – Coordinated by Water Sector Position
- Attachments and Forms

# Requesting Assistance

- Who Activates WARN
  - YOU
  - Cal EMA
  - County Operational Areas
- What is activated
  - Water Sector Position
- When
  - Small Incidents
  - Catastrophic Incidents
- Why
  - Coordination of information & resources
  - First responder coordination
- How
  - Call any CalWARN Chair

# Water Sector Position

# Joint Water Task Force



- Working Group
  - Included water & emergency management representatives
- 3 hours of brainstorming = 20+ work items
- Primary Objectives
  - Partnerships
  - Utility Operation Concepts
  - Utility Operation Details
  - Training and Exercises
  - Miscellaneous Concerns



# Enhanced Partnerships





- Cal EMA
  - Regional and State Cooperation
  - Representation at Northern and Southern
  - Continued Coordination
- County/Operational Area
  - Coordination with Cities, Fire Agencies, and Law Enforcement
  - Recognized need for representation
  - Discussions on-going

# Water Sector Position





- CalEMA Regional EOC's
  - Incorporated into the Regional EOC Plans
  - Resource for CalEMA
- Operational Area EOC
  - Standard Operating Procedure Template
    - Should be reviewed & enhanced with specifics of the local jurisdiction
- Outreach Opportunities
  - Meetings
  - Actual events
    - Barstow – November 2011

# Position's Purpose



- Liaison for all impacted water and wastewater utilities within the affected area
- Coordination of all types of water infrastructure
  - Potable water, wastewater, recycled water, dams, and levees
- Guiding Principle
  - No longer represents their own utility
  - Standard Operating Procedure
  - Recommended priorities for response



# Primary Responsibilities





- Collect and verify situational awareness
- Monitor, track, and coordinate resource needs
- Assess and recommend alternate drinking water resources
- Recommend priorities in concert with the water utilities, local government or Operational Areas
- Coordinate and resolve issues arising from events
- Coordinate with State Departments as needed

# Resources

# Additional Information



- www.calwarn.org
  - Agreement
  - Operational plan
- www.nationalwarn.org
  - Policy Statement
  - Action Plan including agreement
  - Sample Operational Plan
  - Contact for each WARN program
- www.epa.gov/watersecurity
  - WARN and Small Systems
  - WARN and Wastewater Systems
  - WARN and Tribal Systems
  - WARN and State Agencies/Associations
  - WARN and EMAC
  - Water Lab Alliance
    - Program similar to WARN but for laboratories

# Getting Involved



- Southern Region I
  - Chair, Kelly Hubbard, (714) 593-5010, khubbard@mwdoc.com
  - Co-Chair, Scott Hopkins, (626) 914-8256, rhopkins@ci.glendora.ca.us
- Southern Region VI
  - Chair, Tom McMillen, (951) 571-7252, tmcmillen@wmwd.com
  - Co-Chair, Susen Doubrava, (619) 596-1335, susen.doubrava@helixwater.org
- Chair, Steering Committee
  - Raymond Riordan , (925) 830-9180 , rayriordan@comcast.net
- Coastal Region II Chair
  - Steven Dennis, (510) 668-6530, Steve.Dennis@acwd.com
- Northern Region III Chair
  - Don Groundwater, (530) 241-1085, dgroundwater@bvwd.org
- Inland Region IV Chair
  - John Spitler, (916) 853-3616, jpspitler@gswater.com
- Valley Region Chair V
  - Dan Boggs, (559) 685-2372, dboggs@ci.tulare.ca.us

# Questions



KELLY HUBBARD
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(714) 593-5010

# ANTELOPE VALLEY
# STATE WATER CONTRACTORS ASSOCIATION

## COMMISSION MEMORANDUM

**DATE:** February 11, 2015 **February 19, 2015**

**TO:** AVSWCA Commissioners **Commission Meeting**

**FROM:** Mr. Matthew Knudson, General Manager

**RE:** ***AGENDA ITEM NO. 7 - CONSIDERATION AND POSSIBLE ACTION ON FINANCIAL CONTRIBUTION FOR THE LANSCAPING FOR WATER CONSERVATION EXPO HELD AT THE ANTELOPE VALLEY FAIRGROUNDS ON NOVEMBER 1, 2014. (GENERAL MANAGER KNUDSON)***

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**Recommendation:**

Staff recommends dividing the 2014 Landscaping for Water Conservation Expo actual costs of $25,689.00 by the three member agencies according to current State Water Project Table "A" amounts as follows:

| | |
|---|---|
| AVEK: | $22,015.47 (85.7%) |
| PWD: | $ 3,313.88 (12.9%) |
| LCID: | $ 359.65 (1.4%) |
| Total = | $25,689.00 |

Staff also recommends an annual budget of $30,000.00, divided according to current State Water Project Table "A" amounts, should the Association approve the Expo as an annual event.

**Background:**

In joint efforts with Antelope Valley East-Kern Water Agency, AVSWCA sponsored the Landscaping for Water Conservation Expo held on November 1, 2014 at the Antelope Valley Fair Grounds. This event was free for the public to attend and provided valuable information on ways the community can reduce water use. The survey results from those that attended the Expo were overall very positive.

**Financial Impact:**

The estimated budget for the 2014 Landscaping for Water Conservation Expo was $30,000.00. Total event cost came under budget at $25,689.00.

**Supporting Documents:**

- Cost breakdown from the 2014 Landscaping for Water Conservation Expo PowerPoint Presentation by Controller Barnes

| | |
|---|---|
| AV Fairgrounds | $ 22,300 |
| AVSWCA Promos | $ 1,899 |
| Sound System | $ 1,490 |
| Total | $ 25,689 |

Approved Budget: $30,000

# ANTELOPE VALLEY STATE WATER CONTRACTORS
## Statement of Revenues, Expenditures and Change in Net Position
## For the Seven Months Ending 1/31/2015

| | January | YTD |
|---|---|---|
| **Revenues:** | | |
| Contributions - Member Agency | | $24,000.00 |
| Contributions - Member Programs (USGS & CASGEM) | | 76,725.00 |
| Contributions - Others (AVRWMG) | | |
| Grant Re-imbursement - IRWMP 2013 Update | | |
| Water Sales - Pilot In-Lieu Banking | | |
| Miscellaneous Refund | | |
| Interest Earnings | 10.27 | 67.69 |
| **Total Revenue** | | **$100,792.69** |
| **Expenditures:** | | |
| **General Government** | | |
| Bank Fees | | |
| Insurance | 181.91 | 727.72 |
| Memberships | | |
| Outreach | 988.00 | 988.00 |
| Purchased Water | | |
| Miscellaneous | | |
| | | 1,715.72 |
| **Public Resource** | | |
| Contract Services - Administration | 2,785.42 | 7,282.39 |
| Contract Services - USGS & CASGEM | 55,275.00 | 55,275.00 |
| Contract Services - AVRWMG | 3,112.00 | 23,666.50 |
| Contract Services - IRWMP 2013 Update | | |
| Contract Services - Other | | |
| | | 86,223.89 |
| **Total Expenditures** | | **$87,939.61** |
| **Change in Net Position** | | **$12,853.08** |
| **Net Position - Beginning of Year** | | **125,186.43** |
| **Net Position - End of Year** | | **$138,039.51** |

# ANTELOPE VALLEY STATE WATER CONTRACTORS
## Statement of Net Position
## For the Seven Months Ending 1/31/2015

| | YTD |
|---|---|
| **ASSETS** | |
| Cash - Unrestricted | $16,199.43 |
| Restricted - AVRWMG | 92,550.61 |
| Restricted - USGS | 89,406.61 |
| Accounts Receivable | 0.00 |
| Prepaid Insurance (Premium Period 10/1 - 9/30) | 1,455.28 |
| **Total Assets** | **$199,611.93** |
| **LIABILITIES AND FUND BALANCE** | |
| **LIABILITIES** | |
| Accounts Payable | $61,572.42 |
| **Total Liabilities** | **61,572.42** |
| **FUND BALANCE** | |
| Unassigned | 138,039.51 |
| **Total Fund Balance** | **138,039.51** |
| **Total Liabilities and Fund Balance** | **$199,611.93** |

# ANTELOPE VALLEY STATE WATER CONTRACTORS
## FY 2014/15 - Budget vs Actual
## For the Seven Months Ending 1/31/2015

| | January Actual | YTD Actual | Budget | Variance |
|---|---|---|---|---|
| **General Revenues:** | | | | |
| Contributions - Member Agency | | $24,000 | $24,000 | |
| Miscellaneous Refund | | | | |
| Interest Earnings | 10 | 68 | 50 | 18 |
| **Total General Revenue** | **$10** | **$24,068** | **$24,050** | **($18)** |
| **General Expenditures:** | | | | |
| **General Government** | | | | |
| Bank Fees | | | $150 | $150 |
| Insurance | 182 | 728 | 2,350 | 1,622 |
| Memberships | | | 1,900 | 1,900 |
| Outreach | 988 | 988 | 3,000 | 2,012 |
| Purchased Water | | | | |
| Miscellaneous | | | 350 | 350 |
| Contract Services - Administration | 2,785 | 7,282 | 12,000 | 4,718 |
| Contract Services - Other | | | 4,000 | 4,000 |
| **Total General Expenditures** | **$3,955** | **$8,998** | **$23,750** | **$14,752** |
| **Program Revenues:** | | | | |
| Contributions - Member Programs (USGS & CASGEM) | | $76,725 | $76,725 | |
| Contributions - Others (AVRWMG) | | | | |
| Grant Re-imbursement - IRWMP 2013 Update | | | 325,000 | (325,000) |
| Water Sales - Pilot In-Lieu Banking | | | | |
| **Total Program Revenue** | | **$76,725** | **$401,725** | **$325,000** |
| **Program Expenditures:** | | | | |
| Contract Services - USGS & CASGEM | $55,275 | $55,275 | $89,400 | $34,125 |
| Contract Services - AVIRWMP | 3,112 | 23,667 | 39,416 | 15,750 |
| Contract Services - IRWMP 2013 Update | | | 325,000 | 325,000 |
| **Total Program Expenditures** | **$58,387** | **$78,942** | **$453,816** | **$374,875** |