



Yucaipa Valley Water District

12770 Second Street, Yucaipa, California 92399 Phone: (909) 797-5117

Notice and Agenda of a Regular Meeting of the Board of Directors

Wednesday, February 4, 2015 at 6:00 p.m.

- I. **CALL TO ORDER** - Pledge of Allegiance
- II. **ROLL CALL**
- III. **PUBLIC COMMENTS** - At this time, members of the public may address the Board of Directors on matters within its jurisdiction. To provide comments on specific agenda items, please complete a speaker's request form and provide the completed form to the Board Secretary prior to the board meeting.
- IV. **CONSENT CALENDAR** - All matters listed under the Consent Calendar are considered by the Board of Directors to be routine and will be enacted in one motion. There will be no discussion of these items prior to the time the board considers the motion unless members of the board, the administrative staff, or the public request specific items to be discussed and/or removed from the Consent Calendar.
 - A. Minutes of Meetings
 - 1. Regular Board Meeting - January 21, 2015
 - 2. Board Workshop - January 27, 2015
- V. **BOARD REPORTS**
 - A. Cherry Valley Acres & Neighbors Meeting - January 22, 2015
 - B. Southern California Water Committee Quarterly Meeting - January 23, 2015
 - C. Association of the San Bernardino County Special Districts Meeting - January 26, 2015
 - D. Ethics Training Seminar - January 29, 2015
 - E. Reports by Board Members
- VI. **STAFF REPORT**

Any person with a disability who requires accommodation in order to participate in this meeting should telephone Tysa Baeumel at (909) 797-5117 at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

Materials related to an item on this agenda submitted to the Board of Directors after distribution of the board meeting packet are available for public inspection during normal business hours at the District office located at 12770 Second Street, Yucaipa. Meeting material is also be available on the District's website at www.yvwd.dst.ca.us

VII. DISCUSSION ITEMS

- A. Authorization to Solicit Bids for the Construction of an 8-Inch Drinking Water Pipeline in Cedar Avenue, Adams Street, Adams Court and Comberton Street [[Director Memorandum No. 15-013 - Page 20 of 39](#)]

RECOMMENDED ACTION: That the Board of Directors authorize the District staff to solicit bids for the construction of 675 linear feet of 8-inch ductile iron pipe in Cedar Avenue, 1,020 linear feet of 8-inch ductile iron pipe in Adams Street, 150 linear feet of 8-inch ductile iron pipe in Adams Court and 525 linear feet of 8-inch ductile iron pipe in Comberton Street.

- B. Public Hearing - Adoption of Resolution No. 2015-09 Adopting the 2015 Upper Santa Ana Integrated Regional Water Management Plan [[Director Memorandum No. 15-014 - Page 22 of 39](#)]

RECOMMENDED ACTION: That the Board of Directors conduct a public hearing to receive testimony and consider the adoption of Resolution No. 2015-09.

VIII. DIRECTORS COMMENTS

IX. ANNOUNCEMENTS

- A. February 10, 2015 at 4:00 p.m. - Board Workshop
- B. February 18, 2015 at 6:00 p.m. - Regular Board Meeting
- C. February 24, 2015 at 4:00 p.m. - Board Workshop
- D. February 25, 2015 at 6:00 p.m. - San Gorgonio Pass Regional Water Resource Alliance at the City of Banning
- E. March 4, 2015 at 6:00 p.m. - Regular Board Meeting
- F. March 10, 2015 at 4:00 p.m. - Board Workshop
- G. March 18, 2015 at 6:00 p.m. - Regular Board Meeting
- H. March 24, 2015 at 4:00 p.m. - Board Workshop
- I. March 25, 2015 at 6:00 p.m. - San Gorgonio Pass Regional Water Resource Alliance at the City of Banning
- J. April 1, 2015 at 6:00 p.m. - Regular Board Meeting
- K. April 7, 2015 at 4:00 p.m. - Board Workshop
- L. April 15, 2015 at 6:00 p.m. - Regular Board Meeting
- M. April 22, 2015 at 6:00 p.m. - San Gorgonio Pass Regional Water Resource Alliance at the City of Banning
- N. April 28, 2015 at 4:00 p.m. - Board Workshop
- O. May 6, 2015 at 6:00 p.m. - Regular Board Meeting

X. ADJOURNMENT

Consent Calendar



Yucaipa Valley Water District

MINUTES OF A REGULAR BOARD MEETING

January 21, 2015 at 6:00 P.M.

Directors Present:

Lonni Granlund, President
Jay Bogh, Vice President
Bruce Granlund, Director
Tom Shalhoub, Director

Staff Present:

Joseph Zoba, General Manager
Jack Nelson, Assistant General Manager
Vicky Elisalda, Controller
John Hull, Public Works Manager
Jennifer Ares, Water Resource Manager
Bob Wall, Operations Manager
Brent Anton, Engineering Manager

Directors Absent:

Ken Munoz, Director

Consulting Staff Present:

David Wysocki, Legal Counsel

Registered Guests and Others Present:

Karen DeSilva, News Mirror
Bill Hemsley, City of Yucaipa

The regular meeting of the Board of Directors of the Yucaipa Valley Water District was called to order by Director Lonni Granlund at 6:00 p.m. at the Administrative Office Building, 12770 Second Street, Yucaipa, California.

CALL TO ORDER

Director Lonni Granlund led the pledge of allegiance.

FLAG SALUTE

The roll was called and Director Jay Bogh, Director Bruce Granlund, Director Lonni Granlund, and Director Tom Shalhoub were present. Director Ken Munoz was absent.

ROLL CALL

There were no public comments.

PUBLIC COMMENTS

Director Bruce Granlund moved to approve the consent calendar and Director Jay Bogh seconded the motion to approve the consent calendar.

CONSENT CALENDAR

A. Minutes of Meetings

1. Regular Board Meeting - January 7, 2015
2. Board Workshop - January 13, 2015

B. Payment of Bills

1. Approve/Ratify Invoices for Board Awarded Contracts
2. Ratify General Expenses for December 2014

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes

Director Ken Munoz - Absent
Director Tom Shalhoub - Yes

A. Reports by Board Members

BOARD REPORTS

- Director Tom Shalhoub reported on the Finance Committee meeting of the San Geronio Pass Water Agency held on January 12, 2015.
- Director Bruce Granlund reported on the City of Yucaipa Economic Development Advisory Committee meeting held on January 14, 2015.
- Director Tom Shalhoub reported on the ACWA regional meeting held at the San Geronio Pass Water Agency on January 16, 2015.
- Director Tom Shalhoub reported on the Board Meeting of the San Geronio Pass Water Agency held on January 20, 2015.

General Manager Joseph Zoba reported on the following items:

STAFF REPORT

- The Yucaipa Valley Water District will be hosting an ethics training session in January 2015 to meet the compliance requirements of AB 1234. This event will be cosponsored by the Beaumont Cherry Valley Water District.
- The Yucaipa Valley Water District will be presenting at the next Cherry Valley Acres and Neighbors meeting to be held on January 22, 2015.
- The Department of Water Resources has increased the allocation of water from the State Water Project from 10% to 15%.

DISCUSSION ITEMS:

Following a staff presentation by General Manager Joseph Zoba, Director Jay Bogh moved and Director Bruce Granlund seconded a motion to approve and direct the execution and issuance of the following documents related to the refinancing of the 2004A Certificates of Participation: (1) Resolution No. 2015-03 Authorizing the Issuance of Refunding Revenue Bonds; (2) Continuing Disclosure Certificate; (3) Preliminary Official Statement; (4) Escrow Agreement; (5) Indenture of Trust; and (6) the Bond Purchase Contract.

DM 15-004
AUTHORIZATION AND
APPROVAL OF THE
2015A REFUNDING
DOCUMENTS
ASSOCIATED WITH
THE REFINANCING OF
THE 2004A
CERTIFICATES OF
PARTICIPATION

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Ken Munoz - Absent
Director Tom Shalhoub - Yes

Following a staff presentation by Controller Vicky Elisalda, Director Jay Bogh moved and Director Bruce Granlund seconded a motion to receive and file the unaudited financial report as presented.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Absent
- Director Tom Shalhoub - Yes

DM 15-005
UNAUDITED
FINANCIAL REPORT
FOR THE PERIOD
ENDING ON
DECEMBER 31, 2014

Following a staff presentation by Engineering Manager Brent Anton, Director Bruce Granlund moved and Director Jay Bogh seconded a motion to authorize the District staff to solicit bids for the construction of 750 linear feet of 8-inch ductile iron pipe in 8th Street and 815 linear feet of 8-inch ductile iron pipe in Washington Drive.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Absent
- Director Tom Shalhoub - Yes

DM 15-006
AUTHORIZATION TO
SOLICIT BIDS FOR
THE CONSTRUCTION
OF AN 8-INCH
DRINKING WATER
PIPELINE IN 8TH
STREET AND
WASHINGTON DRIVE

Following a staff presentation by Operations Manager Bob Wall, Director Bruce Granlund moved and Director Tom Shalhoub seconded a motion to approve Change Order No. 1 for a contract deduction in the amount of \$2,810 for a revised contract amount of \$45,705.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Absent
- Director Tom Shalhoub - Yes

DM 15-007
CONSIDERATION OF
CHANGE ORDER NO.
1 RELATED TO THE
2014 ANNUAL
RESERVOIR
CLEANING CONTRACT
WITH APPLIED DIVING
SERVICES

Following a staff presentation by General Manager Joseph Zoba, Director Bruce Granlund moved and Director Jay Bogh seconded a motion to adopt Resolution No. 2015-04 as presented.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Absent
- Director Tom Shalhoub - Yes

DM 15-008
CONSIDERATION OF
RESOLUTION NO.
2015-04 REQUESTING
THE LOCAL AGENCY
FORMATION
COMMISSION TAKE
PROCEEDINGS FOR
THE ANNEXATION OF
172.28 ACRES AS
ASSESSOR'S PARCEL
NUMBER 408-090-013 -
HUGH W. HOLBERT
FAMILY TRUST,
CALIMESA

Following a staff presentation by General Manager Joseph Zoba, Director Jay Bogh moved and Director Tom Shalhoub seconded a motion to adopt Resolution No. 2015-05 as presented.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Absent
- Director Tom Shalhoub - Yes

DM 15-009
CONSIDERATION OF
RESOLUTION NO.
2015-05 REQUESTING
THE LOCAL AGENCY
FORMATION
COMMISSION TAKE
PROCEEDINGS FOR
THE ANNEXATION OF
THREE PARCELS
OWNED BY YUCAIPA
VALLEY WATER
DISTRICT
(ASSESSOR'S
PARCEL NUMBERS
301-201-23, 301-201-
36, AND 413-250-006)

Following a staff presentation by General Manager Joseph Zoba and Water Resource Manager Jennifer Ares, Director Jay Bogh moved and Director Bruce Granlund seconded a motion to approve Change Order No. 1 with Geoscience for a sum not to exceed \$16,390 for the preparation of a groundwater model.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Absent
- Director Tom Shalhoub - Yes

DM 15-010
APPROVAL OF
CHANGE ORDER NO.
1 FOR THE FOCUSED
GROUNDWATER
MODEL OF THE
GATEWAY BASIN IN
YUCAIPA

Following a staff presentation by General Manager Joseph Zoba, Director Jay Bogh moved and Director Bruce Granlund seconded a motion to adopt Resolution Nos. 2015-06, 2015-07 and 2015-08 as presented.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Absent
- Director Tom Shalhoub - Yes

DM 15-011
CONSIDERATION OF
RESOLUTION NOS.
2015-06, 2015-07, AND
2015-08 SUPPORTING
ADDITIONAL PHASES
OF THE INTEGRATED
RECYCLED WATER
AND DROUGHT
PREPAREDNESS
PIPELINE PROJECTS
IN SAN TIMOTEO
(PHASE 3), OAK GLEN
(PHASE 4), AND
MENTONE (PHASE 5)

Following a staff presentation by General Manager Joseph Zoba, Director Jay Bogh moved and Director Tom Shalhoub seconded a motion to authorize the General Manager to execute the Professional Services Agreement and Terms of Retention Contract as presented.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Ken Munoz - Absent
Director Tom Shalhoub - Yes

DM 15-012
APPROVAL OF A
PROFESSIONAL
SERVICES
AGREEMENT WITH
FIELDMAN ROLAPP &
ASSOCIATES AND A
TERMS OF
RETENTION
CONTRACT WITH
STRADLING, YOCCA,
CARLSON & RAUTH
FOR THE
REFINANCING OF THE
2004A CERTIFICATES
OF PARTICIPATION

Director Bruce Granlund requested that the District staff schedule a joint workshop with the mutual water companies.

DIRECTOR
COMMENTS

Director Lonni Granlund called attention to the announcements listed on the agenda.

ANNOUNCEMENTS

The meeting was adjourned at 6:40 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary

(Seal)

MINUTES OF A BOARD WORKSHOP

January 27, 2014 at 4:00 P.M.

Directors Present:

Lonni Granlund, President
Jay Bogh, Vice President
Bruce Granlund, Director
Ken Munoz, Director
Tom Shalhoub, Director

Staff Present:

Jack Nelson, Assistant General Manager
Jennifer Ares, Water Resource Manager
John Hull, Public Works Supervisor
Bob Wall, Operations Manager
Brent Anton, Engineering Manager
Vicky Elisalda, Controller
Joe DeSalliers, Public Works Supervisor

Directors Absent:

None

Consulting Staff Present:

David Wysocki, Legal Counsel

Guests and Others Present:

Vanessa Register, Customer
David Duron, Customer

- I. Call to Order - 4:00 p.m.
- II. Public Comments - Assistant General Manager Jack Nelson recognized the members of the Board of Directors, audience, and District staff in attendance. David Duron raised the question "What happens to heavy rainfall runoff; does Yucaipa get any benefit from the runoff". Vanessa Register also inquired as to the benefits of the local flood control/spreading basins and how they worked. Director Bruce Granlund suggested that a future workshop be used to explain the process of rainfall and water spreading.
- III. Staff Report - No report.
- IV. Capital Improvement Projects
 - A. Construction of an 8-Inch Potable Water Pipeline in Cedar Avenue, Adams Street, Adams Court and Comberton Street [Workshop Memorandum No. 15-012] - Engineering Manager Brent Anton provided an overview of the proposed project.
 - B. Status Report on the Construction of Reservoir R-12.4 [Workshop Memorandum No. 15-013] - Engineering Manager Brent Anton provided an overview of the reservoir construction project.
- V. Administrative Items
 - A. Authorization to Purchase Replacement Service Trucks for the Public Works Department [Workshop Memorandum No. 15-014] - Public Works Manager John Hull provided an overview of the need for replacement vehicles. Director Munoz inquired if model 5500 trucks were considered in lieu of the smaller 4500 model. Public Works Manager John Hull responded that the larger model had been considered but the smaller model trucks would handle the work proposed. Additional questions were asked about the lack of participation by San

Bernardino County vendors. Staff will request additional quotes and bring this item back to a future workshop.

- VI. Director Comments - Director Bruce Granlund requested an update on the Cedar Street office demolition. General information was provided by Public Works Manager John Hull.
- VII. Adjournment - The meeting was adjourned at 4:40 p.m.

Respectfully submitted,

Jack Nelson, Assistant General Manager

Board Reports



Yucaipa Valley Water District

CHERRY VALLEY ACRES & NEIGHBORS AGENDA

January 22, 2015

Cherry Valley Grange – 7:00 P.M.

www.Cherryvalleyca.org

DISCLAIMER – CVAN- Cherry Valley Acres & Neighbors – is a 501(c)(3) non-profit organization. CVAN has no political agenda, nor do they endorse or promote any political agenda, or any political candidates. CVAN holds these meetings as a public service and as an open forum for people to speak their mind about concerns they have regarding the Pass Area.

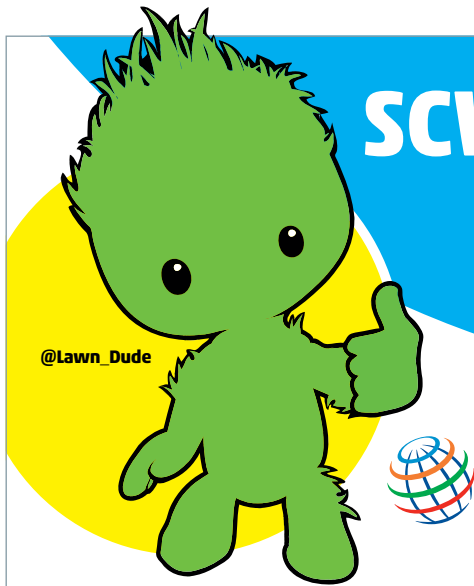
You may hear some comments that you construe as being political in nature. Please understand that these comments are being made by private citizens and IN NO WAY do they constitute, represent, or reflect the opinions of CVAN as an organization, or any CVAN Board Member.

1. Call to order: CVAN regular monthly meeting.
2. Pledge to Flag – Led by Patrick Doherty
3. Roll Call: CVAN: President Patsy Reeley; VP Marc Sanders; Secretary: Rhea Weber; Treasurer: Luwana Ryan; Web Master: Marc Sanders; Parliamentarian: Patrick Doherty; I Adams and Glen Dye.
4. Action items: Any additions or corrections to the agenda? Motion to adopt the Agenda.
5. Treasurers Report (CVAN): Motion to approve
Treasurers Report (CVEPG): Motion to approve

Vidio – presented by Nancy Carroll

6. GUEST SPEAKERS: Joe Zoba – General Manager, Yucaipa Water District
7. Committee Reports:
 - a. Luwana Ryan - Water
 - b. Patrick Doherty - Calimesa
 - c. Butterfield – Patsy
 - d. Municipal Advisory Committee (MAC) - Patsy
8. Membership – 311 families.
9. Next Meeting: **NEXT MEETING – February 26, 2015!**
YOU CAN REACH PATSY @ 845-9833 OR patsydol@verizon.net.
10. Thanks to the ladies for refreshments & to Barbara Brown for keeping the coffee pot on!
11. ADJOURN

“WHEN NOTHING GOES RIGHT GO LEFT!”



SCWC Quarterly Luncheon

Friday, January 23, 2015
12:00pm - 2:00pm

RSVP Today

Sponsored by

PEPSICO



- Hear from Pepsi's leadership team
- Learn about the plant's water efficiency practices
- Tour the bottling facility

**Hear From ▶
Regional
Leaders on
Conservation
and Drought
Response
Measures**

Southern California Drought Actions

Doug Headrick

*General Manager & Chief Engineer -
San Bernardino Valley Municipal Water District*

Paul Jones

General Manager - Eastern Municipal Water District

Daniel R. Ferons

General Manager - Santa Margarita Water District

LOCATION ▶

PepsiCo Riverside Facility

6659 Sycamore Canyon Blvd, Riverside, CA 92507

TICKETS ▶

\$70/per person

**No cancellations allowed within 72 hours of purchase*

RSVP ONLINE ▶

Under SCWC's Events & Calendar section at:

www.socalwater.org/events-and-calendar/event-registration

QUESTIONS ▶

Contact Amber Pipa at apipa@socalwater.org or 818.760.2121.

SPONSORS ▶



Visit SCWC Online

www.socalwater.org | [@SoCalWaterComm](https://twitter.com/SoCalWaterComm) | www.facebook.com/socalwater

ASBCSD
P.O. Box
1613Helendale,
CA 92342

P 760-680-9666

President:
Steve Copelan

Vice President:
Sarann Graham

Secretary:
Rebekah Swanson

Director:
Kathy Tiegs

Director:
Earl Tillman

Director:
Richard Hall

Director:
Manny Aranda

Administrative
Secretary:
Natalie Hall



Hesperia Recreation and Park District will be hosting the **January 26, 2015**
Membership Meeting at:

Mile High Café at Hesperia Airport, 7070 Summit Valley Road, Hesperia, 92345;
(760) 947-8844

Directions: From Interstate 15 exit Main Street and head east. Turn right onto
Seventh Ave.; turn left onto Ranchero Rd.; turn right onto Santa Fe Ave and
continue onto Summit Valley Rd. Destination will be on the right

The social hour will begin at 6:00 PM with a call to order at 6:45 PM.

MEMBER CHALLENGE:

Bring someone new! Bring a Board Member, employee or someone from another Special
District to the meeting!

Menu: Buffet includes: fresh fruit, deviled eggs, tomato feta basil salad, Caesar
salad, BBQ tri tip & rosemary chicken breast, scalloped potatoes, fresh steamed
veggies, garlic cheese bread, fruit cobbler a la mode, coffee, tea, or soda.

Cost: \$30

RSVP: RSVP by January 15, 2015 to Willow Miller at [\(760\) 244-5488](tel:7602445488) or
w_miller@hesperiaparks.com.

Speaker:

Elizabeth L. Martyn of Lewis, Brisbois, Bisgarrd, & Smith, LLP Attorneys
New Year Legislative Update

Make checks payable to ASBCSD and send to:

Attention: Natalie Hall
PO BOX 1613
Helendale, CA 92342

District/Associate Attendee:

Reminder: There is a \$2 surcharge for reservations made after the deadline date, as
well as for coming to dinner with no reservations. You will also be billed for the
dinner if your cancellation is not received prior to the deadline.



Ethics Training Program for Local Government Elected Officials, Managers & Supervisors

Government Code Section 53235 requires local government officials (members of a legislative body) who receive any type of compensation or reimbursement for expenses to receive at least two hours of ethics training every two years.

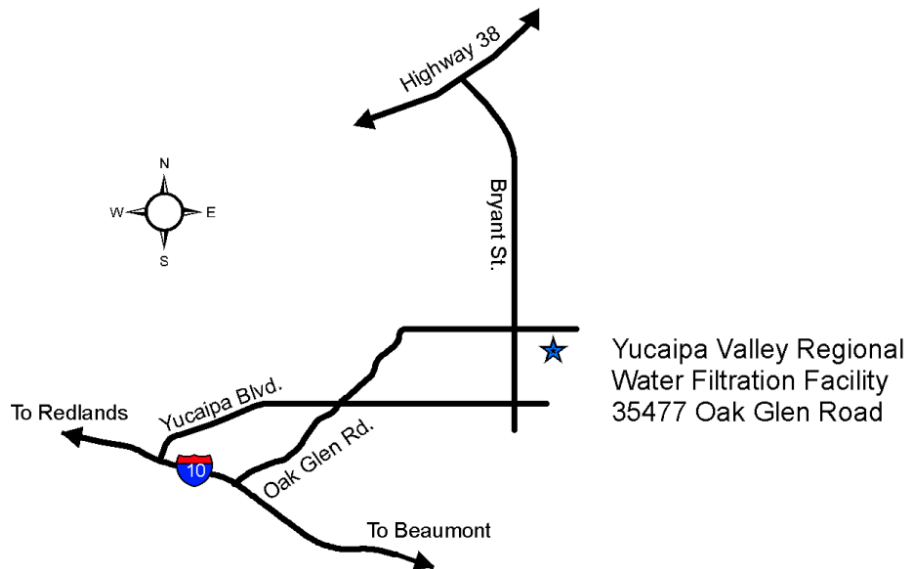
To fulfill the requirements of this legislation, the Yucaipa Valley Water District and the Beaumont Cherry Valley Water District will be sponsoring an Ethics Training Program on **Thursday, January 29, 2015 at 6:00 p.m.** The two hour program will be held at the Yucaipa Valley Regional Water Filtration Facility located at 35477 Oak Glen Road, Yucaipa.

A light meal will be provided starting at 5:30 p.m. with the training session scheduled to begin promptly at 6:00 p.m. The cost for this training is free, but space is limited and **pre-registration is encouraged to receive your certificate of completion.**

John Dietrich with Atkinson, Andelson, Loya, Ruud & Romo will conduct the seminar tailored specifically for local public agencies.

All elected officials, managers and supervisor staff members are encouraged to attend.

Please contact Erin Anton by email at eanton@yvwd.dst.ca.us or by phone at (909) 790-3308 to register for this training seminar. Your registration should be received by the Yucaipa Valley Water District no later than January 26, 2015.



This free educational training opportunity is sponsored by:



Yucaipa Valley Water District



Beaumont Cherry Valley Water District





City of Calimesa
Regular Meeting of the City Council
AGENDA

Monday, February 2, 2015

6:00 p.m.

Norton Younglove Multipurpose Senior Center
908 Park Avenue, Calimesa, CA 92320

Joyce McIntire, Mayor ♦ Ella Zanowic, Mayor Pro Tem
Bill Davis, Council Member ♦ Jeff Hewitt, Council Member ♦ Jim Hyatt, Council Member
Randy Anstine, City Manager ♦ Kevin Ennis, City Attorney

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in a City meeting or other services offered by this City, please contact the City Clerk's Office, (909) 795-9801. Notification of at least 48 hours prior to the meeting or time when services are needed will assist the City staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.

Any public writings distributed by the City to at least a majority of the Council Members regarding any item on this regular meeting agenda will be made available at the public counter at City Hall located at 908 Park Avenue, Calimesa, CA 92320

ANNOUNCEMENT REGARDING SPEAKER SLIPS

Anyone wishing to address the City Council either during "Communications from the Public" or on any item on the agenda should fill out a **blue speaker slip** and give that slip to the City Clerk **prior to the item being heard**. Please write the number of the agenda item or the subject of your presentation on the slip. **Please observe a time limit of three (3) minutes when giving your presentation.** When called upon, please step forward to the microphone, state your name for the record, whom you represent and any statement you wish to make. **Please be advised that you may not defer your three (3) minutes to another speaker.**

CALL TO ORDER

ROLL CALL: MAYOR MCINTIRE, MAYOR PRO TEM ZANOWIC, COUNCIL MEMBER DAVIS, COUNCIL MEMBER HEWITT, COUNCIL MEMBER HYATT.

STAFF: CITY MANAGER ANSTINE, CITY ATTORNEY ENNIS, CITY CLERK GERDES, ASSISTANT CITY MANAGER/FINANCE DIRECTOR JOHNSON, PUBLIC WORKS DIRECTOR FRENCH, COMMUNITY DEVELOPMENT DIRECTOR EVANS, CITY ENGINEER THORNTON, FIRE CHIEF SMITH AND POLICE CHIEF MADDEN.

PLEDGE OF ALLEGIANCE

PRESENTATIONS

"Regional Recycled Water Concepts" – Joe Zoba, General Manager, Yucaipa Valley Water District.

COMMUNICATIONS FROM THE PUBLIC

Anyone wishing to address the Council on any item within the Council's jurisdiction that is not on the agenda may do so at this time. This is not a time for Council Member comment or action, but the Council may ask questions for clarification or make a referral to staff for factual information to be reported back to the Council at a later meeting.

APPROVAL OF THE AGENDA

RECOMMENDATION: Move to approve the agenda

Motion _____ Second _____ Vote _____

CONSENT CALENDAR

The following Consent Calendar items are expected to be routine and non-controversial. Council will act upon them at one time without discussion. Any Council Member or staff member may request removal of an item from the Consent Calendar for discussion.

1. APPROVAL OF CITY COUNCIL ACTION MINUTES.
 - a. **City Council action minutes of the January 20, 2015 regular meeting.**
2. RECEIVE AND FILE CITY COMMISSION & BOARD MINUTES.
 - a. **There are no minutes ready for approval at this time.**
3. APPROVAL OF WARRANT REGISTERS.
 - a. **Check Register Report with a total of \$240,453.41 (Check Nos. 28738 to 28783)**
 - b. **January 15, 2015 Payroll of \$31,082.27**
January 29, 2015 Payroll of \$30,522.83
4. WAIVE FULL READING OF ANY PROPOSED ORDINANCES ON THE AGENDA.

This permits reading the title only in lieu of reciting the entire text of the Ordinances. This does not take policy action on the Ordinances or approve or disapprove any Ordinances on the agenda.
5. TREASURER'S REPORT FOR THE QUARTER ENDED DECEMBER 31, 2014.

RECOMMENDATION: That the City Council receive and file the Investment Report for the Quarter ended December 31, 2014.

CHIEF OF POLICE COMMENTS & REPORTS

FIRE CHIEF COMMENTS & REPORTS

MAYOR & COUNCIL MEMBER REPORTING OF COUNTY & REGIONAL MEETINGS

This is the time for comments, announcements and/or reports on meetings attended at public expense as required by AB 1234.

BUSINESS ITEMS

6. DISCUSSION REGARDING A 6 MILLION GALLON WATER RESERVOIR TO BE CONSTRUCTED BY YUCAIPA VALLEY WATER DISTRICT.

Council Member Hyatt requested that this item be placed on the agenda for discussion.

COUNCIL MEMBERS' COMMENTS & REPORTS

This is the time for additional general comments, announcements, reports on meetings attended at public expense as required by AB 1234, requests of staff, and other issues of concern to Council Members may be presented briefly at this time. The Council may not legally take action on any item presented at this time other than to direct staff to investigate a complaint or place an item on a future agenda unless (1) by a majority vote, the Council determines that an emergency situation exists, as defined by Government Code § 54956.5 or (2) by a four-fifths vote, the Council determines that there is a need for immediate action and the need for action arose subsequent to the agenda being posted as required by Government Code § 54954.2(b).

CITY MANAGER COMMENTS & REPORTS

CLOSED SESSION ITEMS

None.

ADJOURNMENT

Adjourn to the Regular Meeting of the City Council on Tuesday, February 17, 2015 at 6:00 p.m.

Staff Report



Yucaipa Valley Water District

Discussion Items



Yucaipa Valley Water District



Date: February 4, 2015

Prepared By: Brent Anton, Engineering Manager

Subject: Authorization to Solicit Bids for the Construction of an 8-Inch Drinking Water Pipeline in Cedar Avenue, Adams Street, Adams Court and Comberton Street

Recommendation: That the Board of Directors authorize the District staff to solicit bids for the construction of 675 linear feet of 8-inch ductile iron pipe in Cedar Avenue, 1,020 linear feet of 8-inch ductile iron pipe in Adams Street, 150 linear feet of 8-inch ductile iron pipe in Adams Court and 525 linear feet of 8-inch ductile iron pipe in Comberton Street.

The Yucaipa Valley Water District has essentially completed the design and bid package for a replacement drinking water pipeline to be installed in Cedar Avenue, Adams Street, Adams Court and Comberton Street.

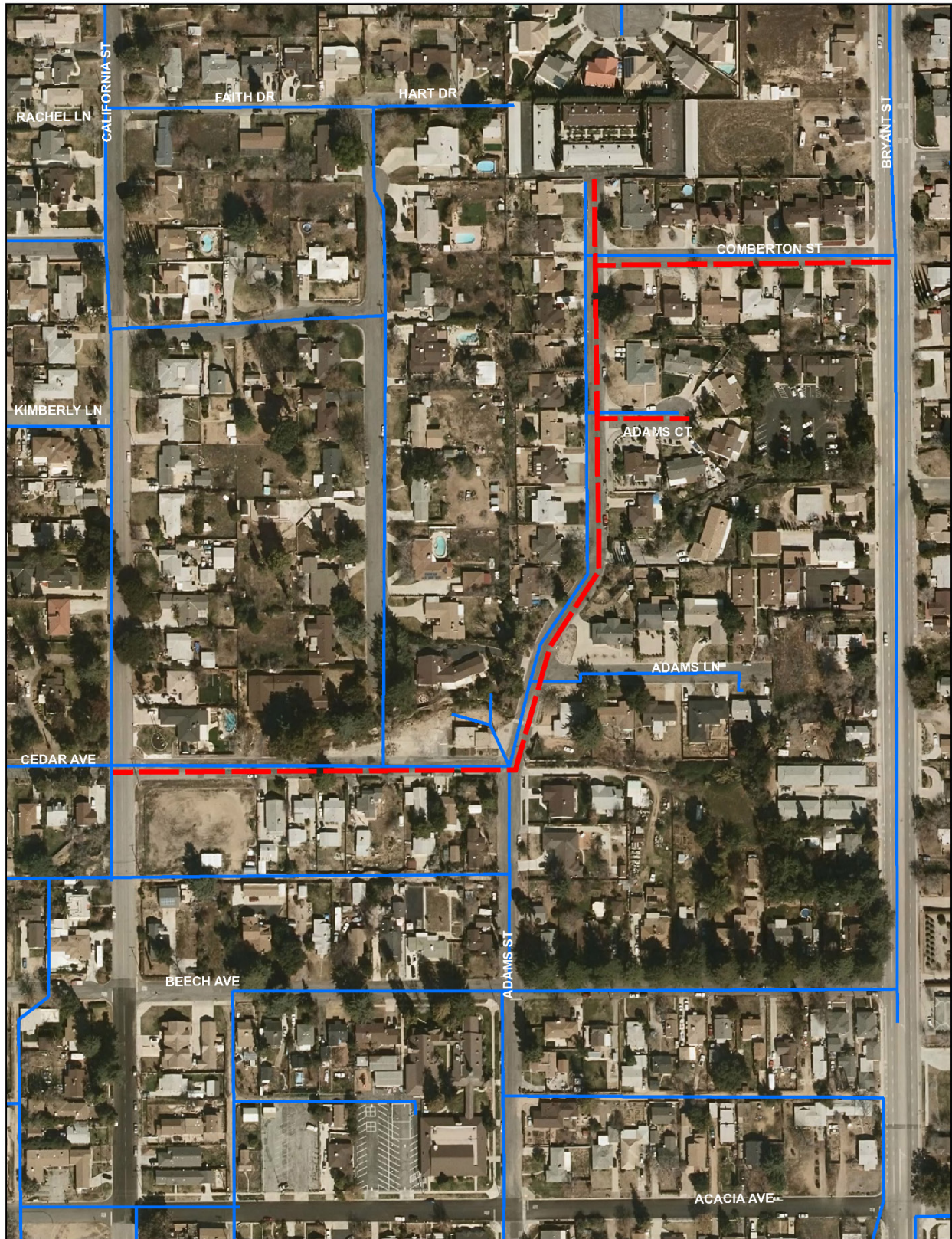
The proposed pipeline project involves the construction of 675 linear feet of 8-inch ductile iron pipe in Cedar Avenue between California Street and Adams Street, 1020 linear feet of 8-inch ductile iron pipe in Adams Street from Cedar Avenue to 140 feet beyond Comberton Street, in Comberton Street from Adams Street to Bryant Street and in the Adams Court cul-de-sac. These pipes will replace existing 4-inch pvc, 6-inch steel and 6-inch asphalt concrete leak-prone pipe.

As presented and discussed at the workshop on January 27, 2015, the District staff is requesting authorization to solicit bids for the construction of this pipeline project.

This project is categorically exempt from environmental review in accordance with the California Environmental Quality Act Guidelines Section 15301(c).

Financial Considerations:

Funding for this project will be from Water Division, Depreciation Reserves.





Director Memorandum 15-014

Date: February 4, 2015

Prepared By: Jennifer Ares, Water Resource Manager

Subject: Public Hearing - Adoption of Resolution No. 2015-09 Adopting the 2015 Upper Santa Ana Integrated Regional Water Management Plan

Recommendation: That the Board of Directors conduct a public hearing to receive testimony and consider the adoption of the 2015 Upper Santa Ana Integrated Regional Water Management Plan.

Development of an Integrated Regional Water Management Plan (IRWMP) is a requirement set forth by the California Legislature. The Integrated Regional Water Management Planning Act was passed in 2002 and authorized local public agencies to form Regional Water Management Groups in order to identify and implement water management solutions on a regional scale that increase regional self-reliance, reduce conflict, and manage water to concurrently achieve social, environmental, and economic objectives.

The 2015 Upper Santa Ana Integrated Regional Water Management Plan was prepared by agencies in the Upper Santa Ana River watershed that share a common concern for the region's surface and groundwater resources. The preparation and completion of the 2015 IRWMP comes at a critical time when regional approaches among agencies are more imperative than ever to provide a reliable and sustainable water supply for the region.

Specifically, the IRWMP promotes the following:

- Identification of regional projects that benefit the upper portion of the Santa Ana Watershed;
- Connectivity of infrastructure projects that ensure long-term sustainability for the region;
- Establishment of common goals and benefits that provide the ability to cost-share projects; and
- Project collaboration that provides leverage during competitive grant applications.

An overview of the 2015 Upper Santa Ana Integrated Regional Water Management Plan was provided at the board workshop on January 13, 2015. The 2015 Upper Santa Ana River Integrated Regional Water Management Plan can be viewed at: [Integrated Plan Link](#).

The Yucaipa Valley Water District provided notice of the public hearing to consider adopting the 2015 IRWMP. The District staff has outlined the typical public hearing process on the next page in order to assist the members of the public that may be interested in presenting testimony on the proposed resolution.

Yucaipa News Mirror
35154 Yucaipa Blvd.
Yucaipa, CA 92399
909-797-9101

Proof of Publication
(2015.5 C.C.P.)

150105 USARW IRWMP

State of California)
County of San Bernardino) **ss.**

I am a citizen of the United States and a resident of the State of California; I am over the age of eighteen years, and not a party to or interested in the above matter. I am the principal clerk of the printer and publisher of Yucaipa News Mirror, a newspaper published in the English language in the City of Yucaipa, County of San Bernardino, and adjudicated a newspaper of general circulation as defined by the laws of the state of California by the Superior Court of the County of San Bernardino, under the date June 3, 1954, Case No. 78001. That the notice, of which the annexed is a copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

January 16, 23, 2015

Executed on: January 23, 2015

At Yucaipa, CA

I certify (or declare) under penalty of perjury that the foregoing is true and correct.



Signature

PUBLIC NOTICE

NOTICE INTENTION
TO ADOPT
THE 2015
UPPER SANTA ANA
RIVER WATERSHED
INTEGRATED REGIONAL
WATER MANAGEMENT PLAN

Notice is hereby given that the Yucaipa Valley Water District and the City of Yucaipa will consider adoption of the 2015 Upper Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP).

The Yucaipa City Council will conduct a public hearing on the IRWMP on January 26, 2015 at or after 6:00 p.m. at 34272 Yucaipa Boulevard, California.

Yucaipa Valley Water District Board of Directors will conduct a public hearing on the IRWMP on February 4, 2015 at or after 6:00 p.m. at 12770 Second Street, Yucaipa, California.

The 2015 IRWMP has been prepared to comply with new state integrated planning requirements. Preparation of the 2015 IRWMP included a series of workshops to refine the IRWMP goals, objectives, and priorities in light of the changes that have occurred since the original plan was adopted in 2007.

The 2015 IRWMP provides an updated approach for: 1) coordinating, refining and integrating existing planning efforts within a comprehensive, regional context; 2) identifying specific regional and watershed-based priorities for implementation of projects; and 3) providing a funding plan to implement the IRWMP.

The Final 2015 Upper Santa Ana River Watershed Integrated Regional Water Management Plan can be viewed at www.sbvmd.com, located on the Homepage under Latest News.

For more information or to be added to the Stakeholder Contact List, contact:
Jennifer Ares, Water Resource Manager, Yucaipa Valley Water District (909) 790-3301; or
Bill Hemsley, Director of Public Works, City of Yucaipa (909) 797-2489 x-253.

Published
Yucaipa News Mirror
January 16, 23, 2015

TYPICAL PUBLIC HEARING PROCESS

This typical public hearing process was developed to facilitate public participation by outlining the steps typically followed during a public hearing.

Public Hearing - Adoption of Resolution No. 2015-09 Adopting the 2015 Upper Santa Ana Integrated Water Management Plan

- _____ **Staff Presentation** - A District staff member will provide a brief presentation and overview of this agenda item.
- _____ **Questions by the Board of Directors to District Staff** - The Board President will ask if there are any questions at this time from board members based on the staff presentation.
- _____ **Open the Public Hearing** - The Board President will open the public hearing stating the time of day to be recorded in the board meeting minutes.
- _____ **Comments from the Public and Property Owners** - The Board of Directors will request written and oral comments from the public as part of the deliberation and consideration process. The Board of Directors will be focused on receiving information to assist in the decision making process and will not answer questions or debate an issue. This portion of the public hearing process provides an opportunity for the public and property owners to enter information into the record that should be considered by the Board of Directors.
- _____ **Close the Public Hearing** - The Board President will close the public hearing stating the time of day to be recorded in the board meeting minutes.
- _____ **Final Comments by District Staff** - The District staff may provide additional information and clarification of points raised during the public hearing process to assist the deliberation by the Board of Directors.
- _____ **Questions by the Board of Directors** - The Board President will determine if there are any questions from the Board of Directors.
- _____ **Entertain a motion from the Board** - The Board President will ask for a motion from the Board of Directors based on all of the information presented.

RESOLUTION NO 2015-09

**A RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT
ADOPTING THE 2015 UPPER SANTA ANA RIVER WATERSHED
INTEGRATED REGIONAL WATER MANAGEMENT PLAN**

WHEREAS, the members of the Upper Santa Ana Water Resources Association formed a Technical Advisory Group in 2005 for the purpose of preparing an Integrated Regional Water Management Plan (Plan) for the upper Santa Ana River watershed;

WHEREAS, the Technical Advisory Group guided the preparation of the Plan and prepared a public draft of the plan;

WHEREAS, the Yucaipa Valley Water District is a member of Technical Advisory Group and supported and participated in preparation of the Plan;

WHEREAS, the San Bernardino Valley Municipal Water District Advisory Commission on Water Policy held a public meeting to receive public comments on the Plan;

WHEREAS; the Technical Advisory Group has addressed public comments and prepared a final Plan; and

WHEREAS, the Technical Advisory Group recommends the adoption of the plan.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE YUCAIPA VALLEY WATER DISTRICT that the Board of Directors of the Yucaipa Valley Water District does hereby support and adopt the 2015 Upper Santa Ana River Watershed Integrated Regional Water Management Plan.

PASSED, APPROVED and ADOPTED this 4th day of February 2015.

YUCAIPA VALLEY WATER DISTRICT

Lonni Granlund, President Board of Directors

ATTEST:

Joseph B. Zoba, General Manager

Executive Summary

Integrated Regional Water Management in the Upper Santa Ana River Watershed Region

The Upper Santa Ana River Watershed (USARW) has a long-standing history of collaboration by water resource management agencies to manage the watershed's unique water supply, water quality, flood, and habitat challenges. In 2005, this collaboration allowed the agencies to successfully form the USARW Integrated Regional Water Management Region (IRWM Region or Region) and develop an integrated plan for managing water resources in the Region. The USARW Integrated Regional Water Management Plan (IRWM Plan) is the result of this effort. The 2014 IRWM Plan serves as an update to the IRWM Plan developed in 2007, and incorporates new information describing the Region, updates goals and objectives, re-evaluates strategies, and develops a process for future implementation of the IRWM Plan.

Stemming from this effort, the agencies in the Region created the Basin Technical Advisory Committee (BTAC) to facilitate implementation of the IRWM Plan. Development of the BTAC has strengthened dialogue and cooperation between agencies and has improved regional planning. The BTAC, which serves as the Regional Water Management Group, is open to all agencies and stakeholders who desire to participate in the IRWM Region's planning and management efforts.

Water Resources Management Challenges

The USARW IRWM Region, which begins just upstream of Prado Dam and extends into the San Bernardino Mountains, covers over 850 square miles of urban area, agricultural land, and open space that provide a multitude of water resource-related benefits and challenges.

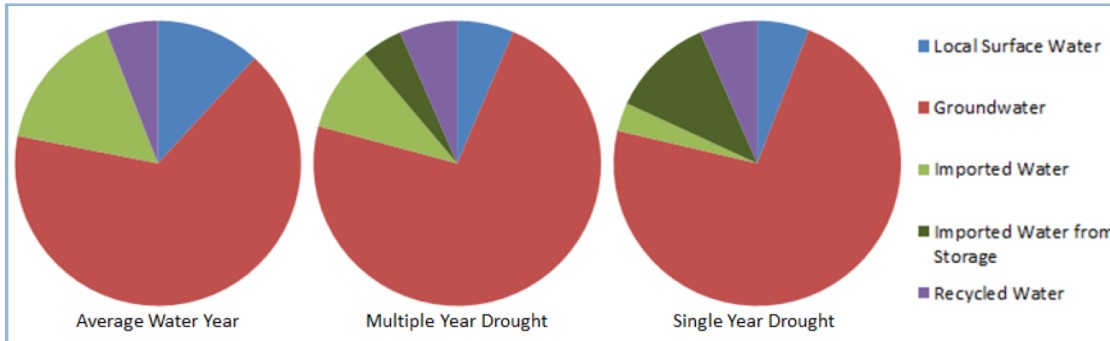
Water supply management in the Region dates back to the 1800s when predecessors of today's water agencies were constructing ditches to deliver water. Management now consists of dozens of water supply agencies that deliver water to this rapidly growing Region. These water suppliers also face institutional complexities (particularly those related to groundwater management) and must account for the hydrological variation that occurs in both local and imported water supplies. The IRWM Region's water suppliers plan to meet demand through a combination of imported water, groundwater, local surface water, recycled water, and water use efficiency programs. By 2035, demand in the Region is projected to increase by over 100,000 AFY, and will require the continued development of a diverse water supply portfolio to overcome various challenges and uncertainties.

Agencies Developing the IRWM Plan Update

1. Big Bear Lake Department of Water and Power
2. Big Bear City Community Services District
3. City of Loma Linda
4. City of Redlands Municipal Utilities and Engineering Department
5. City of Rialto
6. City of Riverside Public Utilities Department
7. East Valley Water District
8. Fontana Union Water Company
9. San Bernardino County Flood Control District
10. San Bernardino Municipal Water Department
11. San Bernardino Valley Municipal Water District
12. San Bernardino Valley Water Conservation District
13. San Geronio Pass Water Agency
14. West Valley Water District

Upper Santa Ana River Watershed | Integrated Regional Water Management Plan

As shown below, the IRWM Region is highly dependent on its local water supplies, particularly precipitation stored as groundwater, which provides approximately 67% of supplies during average years and over 70% of supplies during drought years. The Region plans to store as much water as possible in groundwater basins during wet years and then to pump this water from groundwater storage during drought years (i.e. conjunctive use).



To meet demand during drought years, the IRWM Region relies on local supplies and imported water from storage (based on 2015 supply projections).

Water suppliers must also manage for other uncertainties such as variability in supplies, particularly imported water, caused by drought and other reliability concerns such as catastrophic events (e.g. earthquakes), environmental protection goals and mandates in the Sacramento-San Joaquin Bay Delta (Delta), climate change, water quality, and imported water costs.

The IRWM Region’s groundwater managers must balance conjunctive use with other constraints such as the risk of liquefaction. Careful monitoring and ongoing coordination among members of the BTAC is critical to achieve this balance.

Meeting the Region’s water demand also requires management of local water quality. While groundwater quality is generally good in the Region, past industrial and military activities have required groundwater remediation of volatile organic compound (VOC) contamination plumes. Water quality treatment is also necessary in some areas to treat for other contaminants caused by agricultural activities and urban pollutants (e.g. nitrate, perchlorate, pesticides and inorganic materials). In addition, as water recycling increases in the future, the Region will need to monitor salt accumulation consistent with the Santa Ana Regional Water Quality Control Board’s Basin Plan goals.

Another issue of concern in the Region is stormwater and flood management. Stormwater management has been an ongoing challenge in the USARW Region. In the past, flood events have caused loss of life and damage to property.



The San Bernardino County Flood Control District was created in response to historical flooding that caused loss of life and damage to property.

Integrated Regional Water Management Plan | Upper Santa Ana River Watershed



The San Bernardino National Forest is home to extraordinary natural resources.

Flood control facilities, such as detention basins, have provided much needed control of these flows. The IRWM Region's groundwater managers are working with flood control agencies to optimize the use of these flood control facilities to increase the recharge of stormwater into the groundwater basin. They hope to strike a balance between flood control and recharge that will ensure protection from flooding, while providing additional supplies to meet growing future demands and to supplement these supplies during drought years.

The USARW Region contains extraordinary natural resources, including the San Bernardino National Forest, which serves as the headwaters for the Santa Ana River. Downstream, the Santa Ana River and its tributaries provide habitat to

riparian and aquatic species, and provide connectivity to upland habitats. The scrub, woodland, and riparian habitats in the Region support innumerable species, including species of concern such as the San Bernardino kangaroo rat, Santa Ana River woolly star, and Slender-Horned spine flower. The importance of the Region's habitats is underscored by the multiple environmental and ecological management plans currently in place, including the Western Riverside County Multi-Species Habitat Conservation Plan, Upper Santa Ana Wash Land Management and Habitat Conservation Plan, and Upper Santa Ana River Habitat Conservation Plan. In addition to serving as habitat, these areas provide valuable open space and recreational areas for the residents of and visitors to the Region. Though large areas of habitat and open space have been conserved, the IRWM Region recognizes the importance of further restoring or improving habitat that has been lost to urbanization, and preserving habitat that is in danger due to invasive species. Maintaining and improving the Region's habitats also serves to support surface water quality. In particular, ongoing forest thinning projects in the San Bernardino National Forest serve to maintain forest habitat, as well as reduce the danger of wildfires and their associated water quality impacts downstream from sedimentation.

The BTAC evaluated the vulnerability of the IRWM Region's resources to climate change impacts. Within the Region, climate change may exaggerate existing uncertainties by causing decreases in precipitation, less frequent but more intense storms, and higher temperatures. The BTAC identified several vulnerabilities associated with these impacts, including additional imported water supply uncertainty, additional potential challenges to capturing stormwater during more intense storms, water quality impacts due to more frequent and intense wildfires, degraded water quality and aquatic habitat impacts due to higher temperatures, flood system impacts due to more intense storms, and increased irrigation demand due to higher temperatures.

These issues and challenges to water supply, water quality, flood management, and habitat and open space must be carefully managed to maintain the IRWM Region's water resources for future generations.

Upper Santa Ana River Watershed | Integrated Regional Water Management Plan

Goals, Objectives and Strategies

The BTAC developed a series of goals to help the USARW IRWM Region overcome the variety of issues and challenges. In addition, BTAC established measureable objectives, or targets, they hope to achieve over the next 5-year planning cycle. These goals and objectives are listed below.

USARW IRWM Region Water Management Goals and Objectives

Goal #1: Improve Water Supply Reliability	1a: Reduce demand 20% by 2020
	1b: Increase utilization of local supplies by 23,000 AFY <ul style="list-style-type: none"> • Stormwater: 20,000 AFY • Recycled Water: 3,000 AFY
	1c: Increase storage by 10,000 AF
	1d: Prepare for disasters by implementing 2 new interties between water agencies
	1e: Monitor and adaptively manage climate change impacts by implementing 3 projects that reduce energy demands
	1f: Ensure equivalent water supply services for DACs
Goal #2: Balance Flood Management and Increase Stormwater Recharge	2a: Utilize 500 acres of flood control retention/detention basins that are not currently used for recharge
	2b: Reduce FEMA reported flood area
	2c: Ensure equivalent implementation of flood projects in DAC areas and implement at least 1 flood control project in a DAC area
Goal #3: Improve Water Quality	3a: Ensure no violations of drinking water quality standards
	3b: Improve surface and groundwater quality by treating 3,000 AFY of water supply
	3c: Manage total dissolved solids and nitrogen in groundwater
	3d: Ensure equivalent water quality services for DACs
Goal #4: Improve Habitat and Open Space	4a: Improve habitat and open space by 1,200 acres
	4b: Identify “multi-use” opportunities to increase recreation and public access and identify at least 1 multi-use project

Integrated Regional Water Management Plan | Upper Santa Ana River Watershed

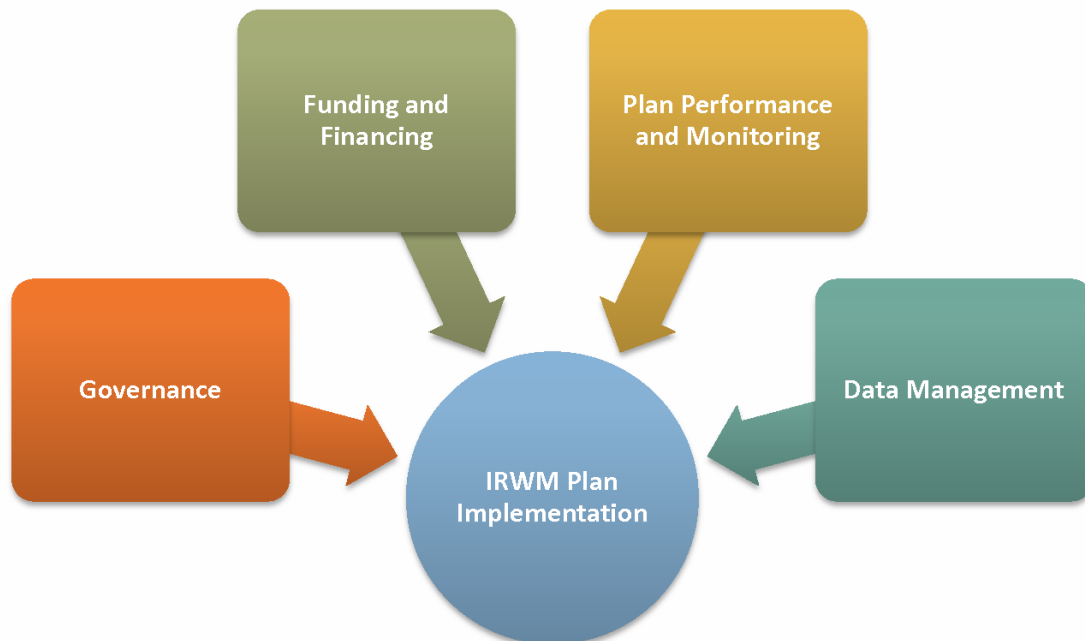
Keeping the Region’s unique issues and challenges in mind, the BTAC developed a number of water management strategies to help them reach their goals and objectives. These strategies, listed below, intentionally align with the resource management strategies (RMS) listed in the *California Water Plan* and reflect the unique aspects of the Region’s water resources.

Water Resource Management Strategies

- | | |
|---|---|
| 1. Continue Basin Management in the San Bernardino Basin Area | 20. Incorporate Environmental Opportunities and Constraints into the Design Process for Facilities |
| 2. Continue Forest Management | 21. Incorporate Opportunities to Improve Habitat and Increase Recreation and Public Access During the Facilities Design Process |
| 3. Continue Hazardous Fuels Reduction in the Forest | 22. Increase Recycled Water Use |
| 4. Coordinate Land Use Planning and Management with Water Resources Management | 23. Increase Stormwater Capture |
| 5. Develop Basin Management in Yucaipa Basin | 24. Maintain and Improve Water-Dependent Recreation |
| 6. Develop Desalination | 25. Manage High Groundwater Potential |
| 7. Develop Watershed Management Projects and Programs | 26. Manage Urban Runoff |
| 8. Improve Drinking Water Treatment and Distribution | 27. Match Water Quality to Use |
| 9. Identify Corridors for Species | 28. Monitor Consumer Confidence Reports |
| 10. Identify Projects that Increase Recharge | 29. Operate Existing Facilities to Increase Recharge |
| 11. Identify Projects that Increase Surface Water and Groundwater Storage Inside and Outside the Region | 30. Optimize Wet Year Storage and Dry Year Pumping (Conjunctive Management & Groundwater) |
| 12. Identify Water Transfer Opportunities | 31. Participate in the SAWPA Basin Management Task Force |
| 13. Implement Agricultural Lands Stewardship | 32. Protect Recharge Areas |
| 14. Implement Agricultural Water Use Efficiency | 33. Provide Economic Incentives |
| 15. Implement Pollution Prevention Measures | 34. Remediate Groundwater Contamination Plumes |
| 16. Implement System Reoperation | 35. Restore Ecosystems |
| 17. Implement Urban Water Use Efficiency | 36. Review DACs Every 5 Years |
| 18. Improve Supply Conveyance – Delta | 37. Support the Bay Delta Conservation Plan |
| 19. Improve Supply Conveyance – Regional/Local | |

Implementation of the IRWM Plan

To date, the agencies located within the USARW IRWM Region have successfully implemented numerous water management strategies and projects, and continuously monitor progress toward achieving their goals and objectives. The responsibility for implementation of the IRWM Plan will continue to be guided by the BTAC agencies, all of whom participated in the planning process and prepared the 2007 IRWM Plan and this 2014 IRWM Plan. The success of the IRWM Plan's implementation will be ensured through ongoing plan performance and monitoring, data management, and the Region's funding and financing plan. These ongoing activities in combination with the integrated goals, objectives, and strategies developed through this IRWM Plan will ensure that the Region's water resources are sustainably managed into the future.



Director Comments



Yucaipa Valley Water District



FACTS ABOUT THE YUCAIPA VALLEY WATER DISTRICT

Service Area Size: 40 square miles (sphere of influence is 68 square miles)

Elevation Change: 3,140 foot elevation change (from 2,044 to 5,184 feet)

Number of Employees: 5 elected board members
57 full time employees

Operating Budget: Water Division - \$13,072,750
Sewer Division - \$11,689,000
Recycled Water Division - \$433,500
Total Annual Budget - \$25,195,250

Number of Services: 12,206 water connections serving 16,843 units
13,492 sewer connections serving 20,312 units
62 recycled water connections

Water System: 215 miles of drinking water pipelines
27 reservoirs - 34 million gallons of storage capacity
18 pressure zones
12,000 ac-ft annual water demand (3.9 billion gallons)
Two water filtration facilities:
- 1 mgd at Oak Glen Surface Water Filtration Facility
- 12 mgd at Yucaipa Valley Regional Water Filtration Facility

Sewer System: 8.0 million gallon treatment capacity - current flow at 4.0 mgd
205 miles of sewer mainlines
5 sewer lift stations
4,500 ac-ft annual recycled water prod. (1.46 billion gallons)

Recycled Water: 22 miles of recycled water pipelines
5 reservoirs - 12 million gallons of storage
1,200 ac-ft annual recycled demand (0.4 billion gallons)

Brine Disposal: 2.2 million gallon desalination facility at sewer treatment plant
1.108 million gallons of Inland Empire Brine Line capacity
0.295 million gallons of treatment capacity in Orange County



THE MEASUREMENT OF WATER PURITY

One part per hundred is generally represented by the percent (%).
This is equivalent to about fifteen minutes out of one day.

One part per thousand denotes one part per 1000 parts.
This is equivalent to about one and a half minutes out of one day.

One part per million (ppm) denotes one part per 1,000,000 parts.
This is equivalent to about 32 seconds out of a year.

One part per billion (ppb) denotes one part per 1,000,000,000 parts.
This is equivalent to about three seconds out of a century.

One part per trillion (ppt) denotes one part per 1,000,000,000,000 parts.
This is equivalent to about three seconds out of every hundred thousand years.

One part per quadrillion (ppq) denotes one part per 1,000,000,000,000,000 parts.
This is equivalent to about two and a half minutes out of the age of the Earth (4.5 billion years).





GLOSSARY OF COMMONLY USED TERMS

Every profession has specialized terms which generally evolve to facilitate communication between individuals. The routine use of these terms tends to exclude those who are unfamiliar with the particular specialized language of the group. Sometimes jargon can create communication cause difficulties where professionals in related fields use different terms for the same phenomena.

Below are commonly used water terms and abbreviations with commonly used definitions. If there is any discrepancy in definitions, the District's Regulations Governing Water Service is the final and binding definition.

Acre Foot of Water - The volume of water (325,850 gallons, or 43,560 cubic feet) that would cover an area of one acre to a depth of 1 foot.

Activated Sludge Process – A secondary biological sewer treatment process where bacteria reproduce at a high rate with the introduction of excess air or oxygen, and consume dissolved nutrients in the wastewater.

Annual Water Quality Report - The document is prepared annually and provides information on water quality, constituents in the water, compliance with drinking water standards and educational material on tap water. It is also referred to as a Consumer Confidence Report (CCR).

Aquifer - The natural underground area with layers of porous, water-bearing materials (sand, gravel) capable of yielding a supply of water; see Groundwater basin.

Backflow - The reversal of water's normal direction of flow. When water passes through a water meter into a home or business it should not reverse flow back into the water mainline.

Best Management Practices (BMPs) - Methods or techniques found to be the most effective and practical means in achieving an objective. Often used in the context of water conservation.

Biochemical Oxygen Demand (BOD) – The amount of oxygen used when organic matter undergoes decomposition by microorganisms. Testing for BOD is done to assess the amount of organic matter in water.

Biosolids – Biosolids are nutrient rich organic and highly treated solid materials produced by the sewer treatment process. This high-quality product can be used as a soil amendment on farm land or further processed as an earth-like product for commercial and home gardens to improve and maintain fertile soil and stimulate plant growth.

Catch Basin – A chamber usually built at the curb line of a street, which conveys surface water for discharge into a storm sewer.

Capital Improvement Program (CIP) – Projects for repair, rehabilitation, and replacement of assets. Also includes treatment improvements, additional capacity, and projects for the support facilities.

Collector Sewer – The first element of a wastewater collection system used to collect and carry wastewater from one or more building sewer laterals to a main sewer.

Coliform Bacteria – A group of bacteria found in the intestines of humans and other animals, but also occasionally found elsewhere and is generally used as an indicator of sewage pollution.

Combined Sewer Overflow – The portion of flow from a combined sewer system, which discharges into a water body from an outfall located upstream of a wastewater treatment plant, usually during wet weather conditions.

Combined Sewer System– Generally older sewer systems designed to convey both sewage and storm water into one pipe to a wastewater treatment plant.

Conjunctive Use - The coordinated management of surface water and groundwater supplies to maximize the yield of the overall water resource. Active conjunctive use uses artificial recharge, where surface water is intentionally percolated or injected into aquifers for later use. Passive conjunctive use is to simply rely on surface water in wet years and use groundwater in dry years.

Consumer Confidence Report (CCR) - see Annual Water Quality Report.

Cross-Connection - The actual or potential connection between a potable water supply and a non-potable source, where it is possible for a contaminant to enter the drinking water supply.

Disinfection By-Products (DBPs) - The category of compounds formed when disinfectants in water systems react with natural organic matter present in the source water supplies. Different disinfectants produce different types or amounts of disinfection byproducts. Disinfection byproducts for which regulations have been established have been identified in drinking water, including trihalomethanes, haloacetic acids, bromate, and chlorite

Drought - a period of below average rainfall causing water supply shortages.

Dry Weather Flow – Flow in a sanitary sewer during periods of dry weather in which the sanitary sewer is under minimum influence of inflow and infiltration.

Fire Flow - The ability to have a sufficient quantity of water available to the distribution system to be delivered through fire hydrants or private fire sprinkler systems.

Gallons per Capita per Day (GPCD) - A measurement of the average number of gallons of water use by the number of people served each day in a water system. The calculation is made by dividing the total gallons of water used each day by the total number of people using the water system.

Groundwater Basin - An underground body of water or aquifer defined by physical boundaries.

Groundwater Recharge - The process of placing water in an aquifer. Can be a naturally occurring process or artificially enhanced.

Hard Water - Water having a high concentration of minerals, typically calcium and magnesium ions.

Hydrologic Cycle - The process of evaporation of water into the air and its return to earth in the form of precipitation (rain or snow). This process also includes transpiration from plants, percolation into the ground, groundwater movement, and runoff into rivers, streams and the ocean; see Water cycle.

Infiltration – Water other than sewage that enters a sewer system and/or building laterals from the ground through defective pipes, pipe joints, connections, or manholes. Infiltration does not include inflow. See *Inflow*.

Inflow - Water other than sewage that enters a sewer system and building sewer from sources such as roof vents, yard drains, area drains, foundation drains, drains from springs and swampy areas, manhole covers, cross connections between storm drains and sanitary sewers, catch basins, cooling towers, storm waters, surface runoff, street wash waters, or drainage. Inflow does not include infiltration. See *Infiltration*.

Inflow / Infiltration (I/I) – The total quantity of water from both inflow and infiltration.

Mains, Distribution - A network of pipelines that delivers water (drinking water or recycled water) from transmission mains to residential and commercial properties, usually pipe diameters of 4" to 16".

Mains, Transmission - A system of pipelines that deliver water (drinking water or recycled water) from a source of supply the distribution mains, usually pipe diameters of greater than 16".

Meter - A device capable of measuring, in either gallons or cubic feet, a quantity of water delivered by the District to a service connection.

Overdraft - The pumping of water from a groundwater basin or aquifer in excess of the supply flowing into the basin. This pumping results in a depletion of the groundwater in the basin which has a net effect of lowering the levels of water in the aquifer.

Peak Flow – The maximum flow that occurs over a specific length of time (e.g., daily, hourly, instantaneously).

Pipeline - Connected piping that carries water, oil or other liquids. See Mains, Distribution and Mains, Transmission.

Point of Responsibility, Metered Service - The connection point at the outlet side of a water meter where a landowner's responsibility for all conditions, maintenance, repairs, use and replacement of water service facilities begins, and the District's responsibility ends.

Potable Water - Water that is used for human consumption and regulated by the California Department of Public Health.

Pressure Reducing Valve - A device used to reduce the pressure in a domestic water system when the water pressure exceeds desirable levels.

Pump Station - A drinking water or recycled water facility where pumps are used to push water up to a higher elevation or different location.

Reservoir - A water storage facility where water is stored to be used at a later time for peak demands or emergencies such as fire suppression. Drinking water and recycled water systems will typically use concrete or steel reservoirs. The State Water Project system considers lakes, such as Shasta Lake and Folsom Lake to be water storage reservoirs.

Runoff - Water that travels downward over the earth's surface due to the force of gravity. It includes water running in streams as well as over land.

Sanitary Sewer System - Sewer collection system designed to carry sewage, consisting of domestic, commercial, and industrial wastewater. This type of system is not designed nor intended to carry water from rainfall, snowmelt, or groundwater sources. See *Combined Sewer System*.

Sanitary Sewer Overflow – Overflow from a sanitary sewer system caused when total wastewater flow exceeds the capacity of the system. See *Combined Sewer Overflow*.

Santa Ana River Interceptor (SARI) Line – A regional brine line designed to convey 30 million gallons per day of non-reclaimable wastewater from the upper Santa Ana River basin to the sewer treatment plant operated by Orange County Sanitation District.

Secondary Treatment – Biological sewer treatment, particularly the activated-sludge process, where bacteria and other microorganisms consume dissolved nutrients in wastewater.

Supervisory Control and Data Acquisition (SCADA) - A computerized system which provides the ability to remotely monitor and control water system facilities such as reservoirs, pumps and other elements of water delivery.

Service Connection - The water piping system connecting a customer's system with a District water main beginning at the outlet side of the point of responsibility, including all plumbing and equipment located on a parcel required for the District's provision of water service to that parcel.

Sludge – Untreated solid material created by the treatment of sewage.

Smart Irrigation Controller - A device that automatically adjusts the time and frequency which water is applied to landscaping based on real-time weather such as rainfall, wind, temperature and humidity.

Special District - A political subdivision of a state established to provide a public services, such as water supply or sanitation, within a specific geographic area.

Surface Water - Water found in lakes, streams, rivers, oceans or reservoirs behind dams.

Total Suspended Solids (TSS) – The amount of solids floating and in suspension in water or sewage.

Transpiration - The process by which water vapor is released into the atmosphere by living plants.

Trickling Filter – A biological secondary treatment process in which bacteria and other microorganisms, growing as slime on the surface of rocks or plastic media, consume nutrients in primary treated sewage as it trickles over them.

Underground Service Alert (USA) - A free service that notifies utilities such as water, telephone, cable and sewer companies of pending excavations within the area (dial 8-1-1 at least 2 working days before you dig).

Urban Runoff - Water from city streets and domestic properties that typically carries pollutants into the storm drains, rivers, lakes, and oceans.

Valve - A device that regulates, directs or controls the flow of water by opening, closing or partially obstructing various passageways.

Wastewater – Any water that enters the sanitary sewer.

Water Banking - The practice of actively storing or exchanging in-lieu surface water supplies in available groundwater basin storage space for later extraction and use by the storing party or for sale or exchange to a third party. Water may be banked as an independent operation or as part of a conjunctive use program.

Water cycle - The continuous movement water from the earth's surface to the atmosphere and back again; see Hydrologic cycle.

Water Pressure - Pressure created by the weight and elevation of water and/or generated by pumps that deliver water to the tap.

Water Service Line - The pipeline that delivers potable water to a residence or business from the District's water system. Typically the water service line is a 1" to 1½" diameter pipe for residential properties.

Watershed - A region or land area that contributes to the drainage or catchment area above a specific point on a stream or river.

Water Table - The upper surface of the zone of saturation of groundwater in an unconfined aquifer.

Water Transfer - A transaction, in which a holder of a water right or entitlement voluntarily sells/exchanges to a willing buyer the right to use all or a portion of the water under that water right or entitlement.

Water Well - A hole drilled into the ground to tap an underground water aquifer.

Wetlands - Lands which are fully saturated or under water at least part of the year, like seasonal vernal pools or swamps.

Wet Weather Flow – Dry weather flow combined with stormwater introduced into a combined sewer system, and dry weather flow combined with infiltration/inflow into a separate sewer system.





COMMONLY USED ABBREVIATIONS

AQMD	Air Quality Management District
BOD	Biochemical Oxygen Demand
CARB	California Air Resources Board
CCTV	Closed Circuit Television
CWA	Clean Water Act
EIR	Environmental Impact Report
EPA	U.S. Environmental Protection Agency
FOG	Fats, Oils, and Grease
GPD	Gallons per day
MGD	Million gallons per day
O & M	Operations and Maintenance
OSHA	Occupational Safety and Health Administration
POTW	Publicly Owned Treatment Works
PPM	Parts per million
RWQCB	Regional Water Quality Control Board
SARI	Santa Ana River Inceptor
SAWPA	Santa Ana Watershed Project Authority
SBVMWD	San Bernardino Valley Municipal Water District
SCADA	Supervisory Control and Data Acquisition system
SSMP	Sanitary Sewer Management Plan
SSO	Sanitary Sewer Overflow
SWRCB	State Water Resources Control Board
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
WDR	Waste Discharge Requirements
YVWD	Yucaipa Valley Water District