



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

Tuesday, May 2, 2017 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 consent calendar matters are routine and will be acted upon in one motion. There will be no discussion of these items unless board members, administrative staff, or members of the public request specific items to be discussed and/or removed prior to the vote for approval.
 - A. Minutes of Meetings
 - 1. Regular Board Meeting - April 18, 2017
 - 2. Board Workshop - April 25, 2017
- V. **STAFF REPORT**
- VI. **DISCUSSION ITEMS**
 - A. Recognition of Vicky Elisalda on the Occasion of her Retirement from the Yucaipa Valley Water District [[Director Memorandum No. 17-038 - Page 15 of 30](#)]
RECOMMENDED ACTION: That the Board adopts Resolution No. 2017-11.
 - B. Authorization to Purchase Ultraviolet Disinfection Bulbs and Equipment for the Wochholz Regional Water Recycling Facility [[Director Memorandum No. 17-039 - Page 17 of 30](#)]
RECOMMENDED ACTION: That the Board authorizes the purchase of ultraviolet lamps and assorted equipment for a sum not to exceed \$115,000 from DC Frost Associates.
 - C. Authorization to Negotiate an Agreement for the Conversion of the Calimesa Country Club from Drinking Water to Recycled Water for Irrigation Use [[Director Memorandum No. 17-040 - Page 20 of 30](#)]
RECOMMENDED ACTION: That the Board authorizes District Legal Counsel to prepare an agreement outlining the terms and conditions for converting the Calimesa Country Club from drinking water to recycled water.

Any person who requires accommodation to participate in this meeting should contact the District office at (909) 797-5117, at least 48 hours prior to the meeting to request a disability-related modification or accommodation.

Materials that are provided to the Board of Directors after the meeting packet is compiled and distributed will be made available for public review during normal business hours at the District office located at 12770 Second Street, Yucaipa. Meeting materials are also available on the District's website at www.yvwd.dst.ca.us

VII. BOARD REPORTS & DIRECTOR COMMENTS

VIII. ANNOUNCEMENTS

- A. April 11, 2017 at 4:00 p.m. - Board Workshop
- B. April 18, 2017 at 6:00 p.m. - Regular Board Meeting
- C. April 25, 2017 at 4:00 p.m. - Board Workshop
- D. May 2, 2017 at 6:00 p.m. - Regular Board Meeting
- E. May 9, 2017 at 4:00 p.m. - Board Workshop
- F. May 16, 2017 at 6:00 p.m. - Regular Board Meeting
- G. May 30, 2017 at 4:00 p.m. - Board Workshop
- H. June 6, 2017 at 6:00 p.m. - Regular Board Meeting
- I. June 13, 2017 at 4:00 p.m. - Board Workshop
- J. June 20, 2017 at 6:00 p.m. - Regular Board Meeting
- K. June 27, 2017 at 4:00 p.m. - Board Workshop
- L. July 4, 2017 at 6:00 p.m. - Regular Board Meeting - Cancelled
- M. July 11, 2017 at 4:00 p.m. - Board Workshop
- N. July 18, 2017 at 6:00 p.m. - Regular Board Meeting
- O. July 25, 2017 at 4:00 p.m. - Board Workshop
- P. August 1, 2017 at 6:00 p.m. - Regular Board Meeting
- Q. August 8, 2017 at 4:00 p.m. - Board Workshop

IX. ADJOURNMENT

Consent Calendar



Yucaipa Valley Water District

MINUTES OF A REGULAR BOARD MEETING

March 21, 2017 at 6:00 P.M.

Directors Present:

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

Staff Present:

Joseph Zoba, General Manager
Brent Anton Engineering Manager
Vicky Elisalda, Controller
John Hull, Public Works Manager
Allison Edmisten, Chief Financial Officer
Mike Kostelecky, Operations Manager-Water
Jennifer Ares, Water Resource Manager
Peggy Little, Customer Service Supervisor
Matthew Porras, Management Analyst
Kathryn Hallberg, Management Analyst
Jeremy Costello, Engineering Technician II
Chelsie Fogus, Engineering Technician I

Directors Absent:

None

Consulting Staff Present:

David Wysocki, Legal Counsel

Registered Guests and Others Present:

Leonard Stephenson, San Geronio Pass Water Agency
David Castaldo, San Geronio Pass Water Agency
Linda Shelton, Customer
Linda Kilday, Customer
Ryan Fogus, Customer
Kylie Fogus, Resident
Kassidie Fogus, Resident

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

CALL TO ORDER

Director Jay Bogh led the pledge of allegiance.

FLAG SALUTE

The roll was called with Director Jay Bogh, Director Lonni Granlund, Director Chris Mann, Director Bruce Granlund, and Director Tom Shalhoub present.

ROLL CALL

None

PUBLIC COMMENTS

Director Chris Mann moved to approve the consent calendar and CONSENT CALENDAR
Director Tom Shalhoub seconded the motion.

- A. Minutes of Meetings
 - 1. Regular Board Meeting – April 4, 2017
 - 2. Board Workshop – March 11, 2017
- B. Payment of Bills
 - 1. Approve/ratify Invoices for Board Awarded Contracts
 - 2. Ratify General Expenses for March 2017

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Tom Shalhoub - Yes

None

STAFF REPORT

DISCUSSION ITEMS:

Following a staff presentation by General Manager Joseph Zoba, Director Bruce Granlund moved and Director Lonni Granlund seconded a motion that the Board adopt Resolution No. 2017-10.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Tom Shalhoub - Yes

DM 17-033
RECOGNITION OF
BRENT ANTON ON
THE OCCASION OF
HIS RETIREMENT
FROM THE YUCAIPA
VALLEY WATER
DISTRICT

Following a staff presentation by Controller Vicky Elisalda, Director Bruce Granlund moved and Director Tom Shalhoub seconded a motion that the Board receive and file the unaudited financial report.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Tom Shalhoub - Yes

DM 17-034
PRESENTATION OF
THE UNAUDITED
FINANCIAL REPORT
FOR THE PERIOD
ENDING ON
MARCH 31, 2017

Following a staff presentation by General Manager Joseph Zoba, Director Chris Mann and Director Bruce Granlund seconded a motion that the Board authorize the General Manager to prepare and provide a Preliminary Project Service Evaluation letter to the Property Owner / Applicant.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Chris Mann - Yes
- Director Tom Shalhoub - Yes

DM 17-035
AUTHORIZATION TO
PROVIDE A
PRELIMINARY
PROJECT SERVICE
EVALUATION FOR A
PROPOSED
DEVELOPMENT ON
ASSESSOR'S PARCEL
NUMBER 407-230-016
AND 407-230-017
RELATED TO SEWER
SERVICE AND
ANNEXATION TO THE
YUCAIPA VALLEY
WATER DISTRICT

Following a staff presentation by General Manager Joseph Zoba, Director Lonni Granlund moved and Director Bruce Granlund seconded a motion that the Board approve the rental of Bear Valley Mutual Water Company stock for the 2017 Irrigation Season to Camp Morning Star and Larry Jacinto.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Chris Mann - Yes
- Director Tom Shalhoub - Yes

DM 17-036
CONSIDERATION OF
BEAR VALLEY
MUTUAL WATER
COMPANY STOCK
RENTAL
COMMITMENTS FOR
THE 2017 IRRIGATION
SEASON

Following a staff presentation by General Manager Joseph Zoba, Director Tom Shalhoub moved and Director Bruce Granlund seconded a motion that the Board authorize the General Manger to execute a contract with Nippon Life Benefits and eliminate the payroll deduction of \$1.85 per employee.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Chris Mann - Yes
- Director Tom Shalhoub – Yes

DM 17-037
AUTHORIZATION TO
EXECUTE A
CONTRACT WITH
NIPPON LIFE
BENEFITS AND FOR
EMPLOYEES LIFE
INSURANCE

- Director Tom Shalhoub attended the Special District meeting on April 17, 2017 in Chino Hills and the West Valley Water District on April 13, 2017.
- Directors Bruce Granlund and Lonni Granlund stated they also attended the Special District meeting on April 17, 2017.

BOARD REPORTS &
DIRECTOR
COMMENTS

- Director Jay Bogh called attention to the announcements listed on the agenda.

ANNOUNCEMENTS

None

CLOSED SESSION

The meeting was adjourned at 6:18 p.m.

ADJOURNMENT

Respectfully submitted,

Joseph B. Zoba, Secretary

(Seal)

MINUTES OF A BOARD WORKSHOP

April 25, 2017 at 4:00 P.M.

Directors Present:

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

Staff Present:

Joseph Zoba, General Manager
Allison Edmisten, Chief Financial Officer
Jennifer Ares, Water Resource Manager
Matthew Porras, Management Analyst
Kathryn Hallberg, Management Analyst
Thaxton Van Belle, Senior Plant Operator
Tim Mackamul, Senior Plant Operator
Mike Kostelecky, Operations Manager
Jeremy Costello, Engineering Technician II
John Wrobel, Reg. and Environ. Control Manager

Directors Absent:

None

Consulting Staff Present:

David Wysocki, Legal Counsel

Guests and Others Present:

Linda Shelton, Customer
Alta Moist, Customer
George Sardeson, Customer
Steve Copelan, San Bernardino Valley Municipal Water District
Leonard Stephenson, San Gorgonio Pass Water Agency
Lauren Albrecht, West Valley Water District
Mike Turner, Developer
John Ohanian, Developer
Charles Rollins, Calimesa Country Club

- I. Call to Order - 4:00 p.m.
- II. Public Comments - None.
- III. Staff Report - General Manager Joseph Zoba discussed the following topics:
 - The District staff notified Bear Valley Mutual about the rental of stock shares previously approved by the Board of Directors. The staff from Camp Morningstar sent an email showing their appreciation to the Board of Directors.
 - The District staff has been working diligently with the Department of Drinking Water to complete the sanitary inspection survey for District facilities.
- IV. Presentations
 - A. Overview on the Proposed Groundwater Sustainability Agency for the San Timoteo Basin [Workshop Memorandum No. 17-051] - Water Resource Manager Jennifer Ares provided an overview on the proposed Groundwater Sustainability Agency for the San Timoteo Basin.
 - B. Overview of a Proposed Calculation Methodology for the Purchase of Supplemental Water from the San Gorgonio Pass Water Agency [Workshop

Memorandum No. 17-052] - General Manager Joseph Zoba provided an overview of a proposed calculation methodology for the purchase of supplemental water from the San Gorgonio Pass Water Agency.

- C. Overview of the Yucaipa Valley Water District's Lead Sampling Program for K-12 Schools [Workshop Memorandum No. 17-053] - Senior Plant Operator Tim Mackamul provided an overview of the Yucaipa Valley Water District's Lead Sampling Program for K-12 Schools.
 - D. Overview of Proposed Capital Improvement Projects to Enhance Recycled Water Quality and Prepare for Future Direct Potable Reuse [Workshop Memorandum No. 17-054] - General Manager Joseph Zoba provided an overview of the proposed Capital Improvement Project to enhance recycled water quality at the Wochholz Regional Water Recycling Facility and prepare for future direct potable reuse.
- V. Operational Updates
- A. Overview of Ultraviolet Disinfection Improvements at the Wochholz Regional Water Recycling Facility [Workshop Memorandum No. 17-055] - Senior Plant Operator Thaxton Van Belle provided an overview of ultraviolet disinfection improvements at the Wochholz Regional Water Recycling Facility.
- VI. Capital Improvement Project Updates
- A. Status Report on the Construction of an 8-inch and 30-inch Water Pipelines in Acacia Avenue and First Street [Workshop Memorandum No. 17-056] - Management Analyst Matthew Porras provided an overview of the construction activity for this project.
 - B. Status Report on the Construction of the Site Improvements for the Recycled Water Booster Station 12.4.0 in Calimesa [Workshop Memorandum No. 17-057] - Management Analyst Kathryn Hallberg provided an overview of the site improvements for RWB - 12.40 Recycled Water Booster Station.
 - C. Status Report on the Construction of Replacement Pipelines on Date Avenue, Dodd Street, Panorama Drive, Lennox Street, Verona Street, Calvin Street, and Vista Lane - Yucaipa [Workshop Memorandum No. 17-058] - Management Analyst Matthew Porras provided a status report on the construction of replacement pipelines on Date Avenue, Dodd Street, Panorama Drive, Lennox Street, Verona Street, Calvin Street, and Vista Lane.
- VII. Policy Issues
- A. Conversion of the Calimesa Country Club from Drinking Water to Recycled Water for Irrigation Purposes [Workshop Memorandum No. 17-059] - General Manager Joseph Zoba discussed the conversion of the Calimesa Country Club from drinking water to recycled water for irrigation purposes.
- VIII. Development Related Issues
- A. Consideration of an Updated Development Agreement with the McDougal Bros. for Tract No. 14429 - Yucaipa [Workshop Memorandum No. 17-060] - General Manager Joseph Zoba discussed the consideration of an updated Development Agreement with the McDougal Bros. for Tract No. 14429 – Yucaipa.
- IX. Director Comments
- A. None.

X. Adjournment - The meeting was adjourned at 5:10 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary

Staff Report



Yucaipa Valley Water District



Media Release

State Water Board Rescinds Mandatory Conservation Standards; Reporting Requirements and Prohibition on Water Waste Remain

FOR IMMEDIATE RELEASE
April 26, 2017

Contact: George Kostyrko
george.kostyrko@waterboards.ca.gov

SACRAMENTO —Today the State Water Resources Control Board [rescinded](#) the water supply “stress test” requirements and remaining mandatory conservation standards for urban water suppliers while keeping in place the water use reporting requirements and prohibitions against wasteful practices.

The action by State Water Board Executive Director Tom Howard was in response to Governor Brown’s announcement earlier this month [ending the drought state of emergency](#) and transitioning to a permanent framework for making water conservation a California way of life.

The Governor’s April 7 [executive order](#) directs the State Water Board to lift the specific conservation provisions of its [drought emergency regulations](#) but to keep in place the temporary requirements for monthly water use reporting and prohibitions against wasteful water use practices while the Board works to develop permanent reporting and wasteful use regulations. The temporary requirements will remain in effective until Nov. 25, when the emergency regulation expires.

The current prohibitions against wasteful water use practices include outdoor watering during or within 48 hours after a rain event; hosing down a sidewalk instead of using a broom or a brush; and overwatering a landscape to where water is running off onto the sidewalk or into the gutter.

The long-term [conservation framework](#), also released on April 7, includes recommendations to establish permanent water conservation standards and improved agricultural and urban water management planning to better prepare for more frequent and severe droughts due to climate change. These actions will help achieve a top priority of the [California Water Action Plan](#) - to improve long-term drought preparedness and “Make Conservation a California Way of Life.”

As part of the framework, the Governor released [proposed legislation](#) to establish long-term water conservation measures and improved planning for more frequent and severe droughts. Among other things the proposed legislation:

- Requires the State Water Board, in consultation with the Department of Water Resources (DWR), to set long-term urban water use efficiency standards by May 20, 2021;



- Includes a robust public participation process to provide the State Water Board and DWR with critical input from local agencies, tribal governments, nongovernmental organizations, the business sector, academics, and others;
- Requires urban water suppliers to plan for droughts lasting five or more years; and
- Establishes new drought planning and water efficiency reporting requirements for agricultural water suppliers.

###

Discussion Items





Date: May 2, 2017

Prepared By: Joseph Zoba, General Manager

Subject: Recognition of Vicky Elisalda on the Occasion of her Retirement from the Yucaipa Valley Water District

Recommendation: That the Board adopts Resolution No. 2017-11.

On May 5, 2017, Vicky Elisalda will be retiring from the Yucaipa Valley Water District as the Controller after twenty years of service. Vicky Elisalda has exemplified professionalism, dedication and commitment to our community throughout her career with the Yucaipa Valley Water District.

The purpose of this agenda item is to provide Vicky Elisalda with a resolution recognizing her outstanding service to the District and her dedication to the community we serve.

RESOLUTION NO. 2017-11**A RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT
HONORING VICKY ELISALDA ON THE
OCCASION OF HER RETIREMENT**

WHEREAS, Vicky Elisalda was hired by the Yucaipa Valley Water District as an Accounting Supervisor on January 6, 1997 responsible for the accounting department and financial aspects of the District; and

WHEREAS, Vicky Elisalda was promoted to District Controller on November 24, 2003, wherein she was responsible for managing the transition and consolidation of the customer service department and the accounting department; and

WHEREAS, after providing over twenty years of service to the customers of the Yucaipa Valley Water District, Vicky Elisalda will be retiring on May 5, 2017; and

WHEREAS, during her tenure, Vicky Elisalda has been instrumental in managing conservative financial policies and fund balances that has been proven to provide security and consistent rates structures for our customers; and

WHEREAS, Vicky Elisalda has been instrumental in the financial planning and implementation of grants, loans, and bond financing related to the Yucaipa Valley Regional Water Filtration Facility, the Wochholz Regional Water Recycling Facility, the expansion of the District's recycled water system, and the construction of the Yucaipa Valley Regional Brineline.; and

WHEREAS, throughout her tenure of service to the Yucaipa Valley Water District, Vicky Elisalda has demonstrated exceptional leadership and support to her staff members that have been instrumental in providing service to the customers of the Yucaipa Valley Water District; and

WHEREAS, Vicky Elisalda has always been distinguished and recognized for her outstanding skills, financial capabilities, dependability, knowledge, commitment, eagerness to share information, and her wide range of experience; and

WHEREAS, retiring from the Yucaipa Valley Water District as Controller, Vicky Elisalda will always be remembered as a true professional, dedicated employee, and good friend.

NOW, THEREFORE, BE IT HEREBY RESOLVED AND ORDERED, that the Board of Directors of the Yucaipa Valley Water District, on behalf of the District staff, does hereby extend its sincere appreciation to Vicky Elisalda for her twenty years of dedicated service to the Yucaipa Valley Water District and the community.

BE IT FURTHER RESOLVED that a suitably prepared copy of this resolution is presented to Vicky Elisalda.

PASSED AND ADOPTED this 5th day of May 2017.



Date: May 2, 2017

Prepared By: Kevin King, Operations Manager
Thaxton Van Belle, Senior Plant Operator

Subject: Authorization to Purchase Ultraviolet Disinfection Bulbs and Equipment for the Wochholz Regional Water Recycling Facility

Recommendation: That the Board authorizes the purchase of ultraviolet lamps and assorted equipment for a sum not to exceed \$115,000 from DC Frost Associates.

The District staff recently conducted bioassay testing on the ultraviolet disinfection process at the Wochholz Regional Water Recycling Facility. The recent testing determined the necessity to replace the quartz sleeves and other items provided in the quote from DC Frost Associates for \$49,232.29. This quotation includes the option to supply labor resources in the amount of \$13,800. The additional labor is necessary due to the limited number of facility operators available to complete these improvements.

District staff recommends purchasing new ultraviolet lamps to replace the current lamps that are approaching the end of their life cycle. A quantity of 400 UV lamps and seals would allow for a full replacement at a sum not to exceed \$64,870.



IC FROST ASSOCIATES, INC. a wholly owned subsidiary of Coombs-Hopkins
 2855 Mitchell Drive, Suite 215 • Walnut Creek, CA 94598
 (800) 964-9733 Fax (925) 939-4457

QUOTATION

TO: Yucaipa Valley Water District
 Thaxton Van Belle
 Phone #: 909-795-2491
 Cell #:
 Fax #:
 Email: tvanbelle@yvwd.dst.ca.us

NUMBER: WC- 27331 -Q

DATE: April 6, 2017

PAGE: 1 of 1

EQUIPMENT: Trojan

MODEL: UV3000Plus

REF #: 511190

We are pleased to offer our quotation on the equipment listed herein for the above project.				
ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
A	84	Quartz Sleeve ,4-pack,part #316136-004	\$340.00	\$28,560.00
B	6	Sensor Sleeve ,part #015239	\$120.00	\$720.00
C	684	Wiper Seal,part #327021	\$4.60	\$3,146.40
D	35	Sleeve Seal O-Ring, 10-pack,part #316144P	\$1.60	\$56.00
E	1	Sensor Sleeve Seal O-Ring, 10-pack,part #302300P	\$1.80	\$1.80
F	2	Vent Screw, 10-pack,part #010301P	\$0.30	\$0.60
G	3	Sleeve Cup Nut (Ryton), 10-pack,part #316148P	\$15.00	\$45.00
H	6	Canister Assy, Sensor Module ,part #327115-180 SNRMID	\$59.00	\$354.00
			Sub Total	\$32,883.80
			Sales Tax: San Bernardino, County of 7.7500%	\$2,548.49
			Freight Terms: F.O.B. Factory, Prepaid & Added to Invoice	
I	1	Service for one (1) week, including one (1) tech & one (1) helper. Please note : this service requires one (1) part person to help service tech for the week.	\$13,800.00	\$13,800.00
Grand Total				\$49,232.29

Submittals/Drawings: 08 weeks after receipt of order with complete information.

Shipment: 1-2 weeks after receipt of purchase order or approved drawings.

Prices quoted herein are firm for your acceptance for a period of

If prices quoted herein do not include sales or use tax, such taxes, if required, are to be paid by the purchaser.

This quotation and any resulting order will be subject to our standard terms of sale.

PAYMENT TERMS: Net 30 days

By: Catherine M. Frost



IE FROST ASSOCIATES, INC. a wholly owned subsidiary of Coombs-Hopkins
 2855 Mitchell Drive, Suite 215 • Walnut Creek, CA 94598
 (800) 964-9733 Fax (925) 939-4457

QUOTATION

TO: Yucaipa Valley Water District
 Kevin Lee
 Phone #: 909-795-2491
 Cell #:
 Fax #: 909-795-0402
 Email: klee@yvwd.dst.ca.us

NUMBER: WC- 26789 -Q-R1

DATE: March 14, 2017

PAGE: 1 of 1

EQUIPMENT: Trojan

MODEL: UV3000Plus

REF #: 511190

We are pleased to offer our quotation on the equipment listed herein for the above project.				
ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
A	900	Lamp, Flat Base ,part #794447-0YW	\$150.00	\$135,000.00
B	90	O-Ring, Sleeve Seal, 10-pack, part #316144P	\$1.60	\$144.00
Sub Total				\$135,144.00
Sales Tax:			San Bernardino, County of 7.7500%	\$10,473.66
Freight Terms:			F.O.B. Factory, Pre pay and Add	
Grand Total				\$145,617.66

The quantity of lamps shown on this quote will be reduced from 900 lamps to 400 lamps for the authorized purchase.

Submittals/Drawings: 14 weeks after receipt of order with complete information.

Shipment: 1-2 weeks after receipt of purchase order or approved drawings.

Prices quoted herein are firm for your acceptance for a period of thirty (30) days.

If prices quoted herein do not include sales or use tax, such taxes, if required, are to be paid by the purchaser.

This quotation and any resulting order will be subject to our standard terms of sale.

PAYMENT TERMS: Net 30 days

BY: *Catherine M. Frost*

Date: May 2, 2017

Prepared By: Joseph Zoba, General Manager

Subject: Authorization to Negotiate an Agreement for the Conversion of the Calimesa Country Club from Drinking Water to Recycled Water for Irrigation Use

Recommendation: That the Board authorizes District Legal Counsel to prepare an agreement outlining the terms and conditions for converting the Calimesa Country Club from drinking water to recycled water.

The Yucaipa Valley Water District is preparing to install a 24” recycled water pipeline in Calimesa that will be suitable to provide recycled water to the Calimesa Country Club. With the construction of the proposed pipeline, the Calimesa Country Club will be able to receive and use recycled water instead of drinking water for irrigation purposes.



The purpose of this agenda item is to request authorization to direct District Legal Counsel to draft an agreement for consideration by representatives from the Calimesa Country Club.

Board Reports



Yucaipa Valley Water District

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
62 full time employees

Operating Budget: Water Division - \$13,397,500
Sewer Division - \$11,820,000
Recycled Water Division - \$537,250
Total Annual Budget - \$25,754,750

Number of Services: 12,434 water connections serving 17,179 units
13,559 sewer connections serving 20,519 units
64 recycled water connections

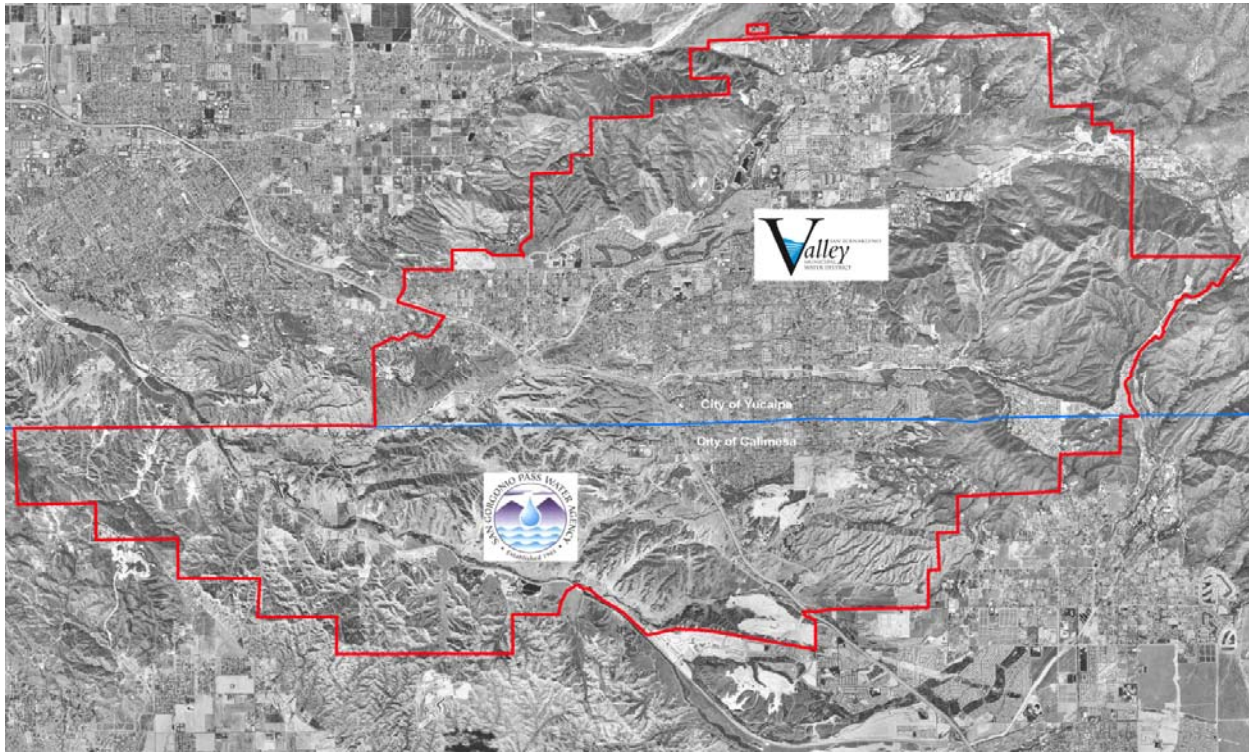
Water System: 215 miles of drinking water pipelines
27 reservoirs - 34 million gallons of storage capacity
18 pressure zones
12,000 ac-ft annual water demand (3.9 billion gallons)
Two water filtration facilities:
- 1 mgd at Oak Glen Surface Water Filtration Facility
- 12 mgd at Yucaipa Valley Regional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

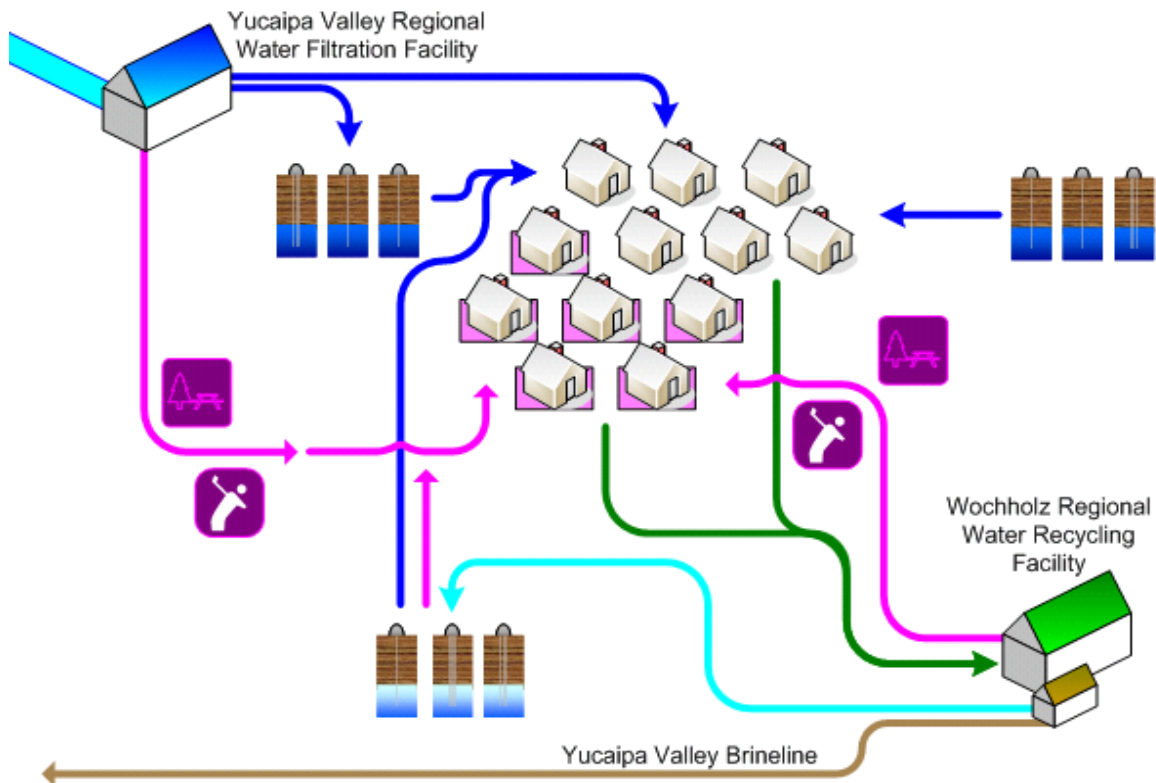
Recycled Water: 22 miles of recycled water pipelines
5 reservoirs - 12 million gallons of storage
1,200 ac-ft annual recycled demand (0.4 billion gallons)

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

State Water Contractors: San Bernardino Valley Municipal Water District
San Geronimo Pass Water Agency



Sustainability Plan: A Strategic Plan for a Sustainable Future: The Integration and Preservation of Resources, adopted on August 20, 2008.





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