



Yucaipa Valley Water District

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

Notice and Agenda of a Meeting of the Board of Directors

Tuesday, May 25, 2021 at 4:00 p.m.

Due to the spread of COVID-19 and in accordance with the Governor's Executive Order N-29-20 (a copy of which is attached to this agenda), the Yucaipa Valley Water District will be conducting this meeting by teleconference only. Public comments on matters listed on the agenda or on any matter within the District's jurisdiction will be received during Public Comments, Agenda Item No. III.

**This meeting is available by calling (888) 475-4499
Meeting ID: 676-950-731#**

**Participate in the meeting online at
<https://zoom.us/j/676950731>
Passcode: 765589**

There will be no public physical location for attending this meeting in person. The District's Board meeting room will be closed to the public until further notice.

If you are unable to participate by telephone, you may submit comments and/or questions in writing for the Board's consideration by sending them to inquiry@yvwd.us. Submit your written inquiry prior to the start of the meeting. All public comments received prior to the start of the meeting will be provided to the Board and may be read into the record or compiled as part of the record.

- I. CALL TO ORDER**
 - II. ROLL CALL**
 - III. PUBLIC COMMENTS** - At this time, members of the public may briefly address the Board of Directors on matters within its jurisdiction or on any matter listed on this agenda.
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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

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. Board Meeting - May 18, 2021

V. STAFF REPORT

VI. DISCUSSION ITEMS

- A. Award of a Construction Contract for the Replacement of Drinking Water Reservoirs R-17.1.1 and R-17.1.2 - Yucaipa [[Director Memorandum No. 21-090 - Page 13 of 43](#)]
RECOMMENDED ACTION: That the Board award a construction contract to Spiess Construction for a sum not to exceed \$1,701,725 and adopt Resolution No. 2021-28 transferring funds from Water Infrastructure Reserves and FCC-Storage Reservoir Funds to fund the construction contract.
- B. Identification and Declaration of Bad Debt for Calendar Year 2019 [[Director Memorandum No. 21-091 - Page 20 of 43](#)]
RECOMMENDED ACTION: That the Board authorize the District staff to declare bad debt for Calendar Year 2019 in the amount of \$19,913.68.
- C. Overview of Recent Water System Leaks and Proposed Pipeline Improvements [[Director Memorandum No. 21-092 - Page 21 of 43](#)]
RECOMMENDED ACTION: Staff Presentation - No Action Required.
- D. Consideration of Updated Annexation Resolutions for Processing with the San Bernardino County Local Agency Formation Commission [[Director Memorandum No. 21-093 - Page 22 of 43](#)]
RECOMMENDED ACTION: That the Board adopt Resolution Nos. 2021-25, 2021-26, and 2021-27 Requesting the Local Agency Formation Commission Tak Proceedings for the Annexation of Parcels into the Territory of the Yucaipa Valley Water District.
- E. Consideration of a Temporary Reduction in Supplemental Water Commodity Charges for Customers in Riverside County [[Director Memorandum No. 21-094 - Page 32 of 43](#)]
RECOMMENDED ACTION: That the Board adopt Resolution No. 2021-29.

VII. BOARD REPORTS & DIRECTOR COMMENTS

VIII. ANNOUNCEMENTS

- A. June 1, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- B. June 8, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- C. June 15, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- D. June 22, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- E. June 29, 2021 at 4:00 p.m. - **Board Meeting Cancelled**
- F. July 6, 2021 at 4:00 p.m. - **Board Meeting Cancelled**
- G. July 13, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- H. July 20, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- I. July 27, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**

IX. ADJOURNMENT

**EXECUTIVE DEPARTMENT
STATE OF CALIFORNIA**

EXECUTIVE ORDER N-29-20

WHEREAS on March 4, 2020, I proclaimed a State of Emergency to exist in California as a result of the threat of COVID-19; and

WHEREAS despite sustained efforts, the virus continues to spread and is impacting nearly all sectors of California; and

WHEREAS the threat of COVID-19 has resulted in serious and ongoing economic harms, in particular to some of the most vulnerable Californians; and

WHEREAS time bound eligibility redeterminations are required for Medi-Cal, CalFresh, CalWORKs, Cash Assistance Program for Immigrants, California Food Assistance Program, and In Home Supportive Services beneficiaries to continue their benefits, in accordance with processes established by the Department of Social Services, the Department of Health Care Services, and the Federal Government; and

WHEREAS social distancing recommendations or Orders as well as a statewide imperative for critical employees to focus on health needs may prevent Medi-Cal, CalFresh, CalWORKs, Cash Assistance Program for Immigrants, California Food Assistance Program, and In Home Supportive Services beneficiaries from obtaining in-person eligibility redeterminations; and

WHEREAS under the provisions of Government Code section 8571, I find that strict compliance with various statutes and regulations specified in this order would prevent, hinder, or delay appropriate actions to prevent and mitigate the effects of the COVID-19 pandemic.

NOW, THEREFORE, I, GAVIN NEWSOM, Governor of the State of California, in accordance with the authority vested in me by the State Constitution and statutes of the State of California, and in particular, Government Code sections 8567 and 8571, do hereby issue the following order to become effective immediately:

IT IS HEREBY ORDERED THAT:

1. As to individuals currently eligible for benefits under Medi-Cal, CalFresh, CalWORKs, the Cash Assistance Program for Immigrants, the California Food Assistance Program, or In Home Supportive Services benefits, and to the extent necessary to allow such individuals to maintain eligibility for such benefits, any state law, including but not limited to California Code of Regulations, Title 22, section 50189(a) and Welfare and Institutions Code sections 18940 and 11265, that would require redetermination of such benefits is suspended for a period of 90 days from the date of this Order. This Order shall be construed to be consistent with applicable federal laws, including but not limited to Code of Federal Regulations, Title 42, section 435.912, subdivision (e), as interpreted by the Centers for Medicare and Medicaid Services (in guidance issued on January 30, 2018) to permit the extension of

otherwise-applicable Medicaid time limits in emergency situations.

2. Through June 17, 2020, any month or partial month in which California Work Opportunity and Responsibility to Kids (CalWORKs) aid or services are received pursuant to Welfare and Institutions Code Section 11200 et seq. shall not be counted for purposes of the 48-month time limit set forth in Welfare and Institutions Code Section 11454. Any waiver of this time limit shall not be applied if it will exceed the federal time limits set forth in Code of Federal Regulations, Title 45, section 264.1.
3. Paragraph 11 of Executive Order N-25-20 (March 12, 2020) is withdrawn and superseded by the following text:

Notwithstanding any other provision of state or local law (including, but not limited to, the Bagley-Keene Act or the Brown Act), and subject to the notice and accessibility requirements set forth below, a local legislative body or state body is authorized to hold public meetings via teleconferencing and to make public meetings accessible telephonically or otherwise electronically to all members of the public seeking to observe and to address the local legislative body or state body. All requirements in both the Bagley-Keene Act and the Brown Act expressly or impliedly requiring the physical presence of members, the clerk or other personnel of the body, or of the public as a condition of participation in or quorum for a public meeting are hereby waived.

In particular, any otherwise-applicable requirements that

- (i) state and local bodies notice each teleconference location from which a member will be participating in a public meeting;
- (ii) each teleconference location be accessible to the public;
- (iii) members of the public may address the body at each teleconference conference location;
- (iv) state and local bodies post agendas at all teleconference locations;
- (v) at least one member of the state body be physically present at the location specified in the notice of the meeting; and
- (vi) during teleconference meetings, at least a quorum of the members of the local body participate from locations within the boundaries of the territory over which the local body exercises jurisdiction

are hereby suspended.

A local legislative body or state body that holds a meeting via teleconferencing and allows members of the public to observe and address the meeting telephonically or otherwise electronically, consistent with the notice and accessibility requirements set forth below, shall have satisfied any requirement that the body allow

members of the public to attend the meeting and offer public comment. Such a body need not make available any physical location from which members of the public may observe the meeting and offer public comment.

Accessibility Requirements: If a local legislative body or state body holds a meeting via teleconferencing and allows members of the public to observe and address the meeting telephonically or otherwise electronically, the body shall also:

- (i) Implement a procedure for receiving and swiftly resolving requests for reasonable modification or accommodation from individuals with disabilities, consistent with the Americans with Disabilities Act and resolving any doubt whatsoever in favor of accessibility; and
- (ii) Advertise that procedure each time notice is given of the means by which members of the public may observe the meeting and offer public comment, pursuant to subparagraph (ii) of the Notice Requirements below.

Notice Requirements: Except to the extent this Order expressly provides otherwise, each local legislative body and state body shall:

- (i) Give advance notice of the time of, and post the agenda for, each public meeting according to the timeframes otherwise prescribed by the Bagley-Keene Act or the Brown Act, and using the means otherwise prescribed by the Bagley-Keene Act or the Brown Act, as applicable; and
- (ii) In each instance in which notice of the time of the meeting is otherwise given or the agenda for the meeting is otherwise posted, also give notice of the means by which members of the public may observe the meeting and offer public comment. As to any instance in which there is a change in such means of public observation and comment, or any instance prior to the issuance of this Order in which the time of the meeting has been noticed or the agenda for the meeting has been posted without also including notice of such means, a body may satisfy this requirement by advertising such means using "the most rapid means of communication available at the time" within the meaning of Government Code, section 54954, subdivision (e); this shall include, but need not be limited to, posting such means on the body's Internet website.

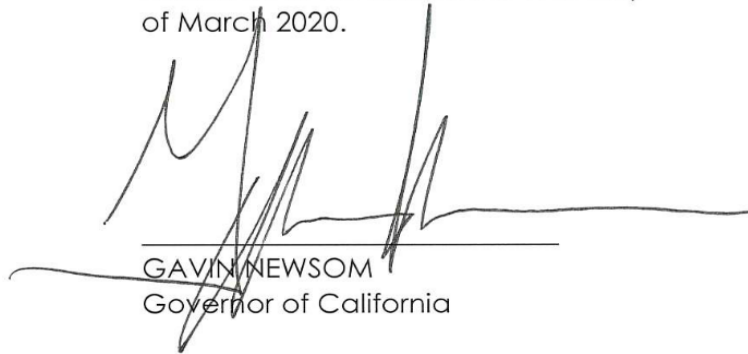
All of the foregoing provisions concerning the conduct of public meetings shall apply only during the period in which state or local public health officials have imposed or recommended social distancing measures.

All state and local bodies are urged to use sound discretion and to make reasonable efforts to adhere as closely as reasonably possible to the provisions of the Bagley-Keene Act and the Brown Act, and other applicable local laws regulating the conduct of public meetings, in order to maximize transparency and provide the public access to their meetings.

IT IS FURTHER ORDERED that as soon as hereafter possible, this Order be filed in the Office of the Secretary of State and that widespread publicity and notice be given of this Order.

This Order is not intended to, and does not, create any rights or benefits, substantive or procedural, enforceable at law or in equity, against the State of California, its agencies, departments, entities, officers, employees, or any other person.

IN WITNESS WHEREOF I have hereunto set my hand and caused the Great Seal of the State of California to be affixed this 17th day of March 2020.



GAVIN NEWSOM
Governor of California

Consent Calendar



Yucaipa Valley Water District

MINUTES OF A BOARD MEETING - TELECONFERENCE

May 18, 2021, at 4:00 pm

Directors Present:

Chris Mann, President
Lonni Granlund, Vice President
Jay Bogh, Director
Joyce McIntire, Director
Dennis Miller, Director

Staff Present:

Wade Allsup, Information Systems Specialist
Madeline Blua, Water Resource Specialist
Jennifer Ares, Water Resource Manager
Allison Edmisten, Chief Financial Officer
Chelsie Fogus, Administrative Assistant I
Ashley Gibson, Regulatory Compliance Manager
Mike Kostelecky, Operations Manager
Dustin Hochreiter, Senior Engineering Technician
Tim Mackamul, Operations Manager
Matt Porras, Implementation Manager
Charles Thomas, Operations Manager
John Wrobel, Public Works Manager
Joseph Zoba, General Manager

Directors Absent:

None

Consulting Staff Present:

David Wysocki, Legal Counsel

Registered Guests and Others Present:

Doug Carlson, Customer
Sidney Sonck

Due to the spread of COVID-19 and in accordance with the Governor's Executive Order N-29-20 (a copy of which was attached to the meeting agenda), the Yucaipa Valley Water District conducted this meeting by teleconference.

The meeting was available to the public by calling (888) 475-4499 using meeting identification number 676-950-731 and live presentation material was available at <https://zoom.us/j/676950731> using passcode 765589.

CALL TO ORDER

The regular meeting of the Board of Directors of the Yucaipa Valley Water District was called to order by President Chris Mann at 4:00 p.m.

ROLL CALL

The roll was called with Director Jay Bogh, Director Lonni Granlund, Director Chris Mann, Director Joyce McIntire, and Director Dennis Miller present.

PUBLIC COMMENTS

None

CONSENT CALENDAR

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

A. Minutes of Meetings

- 1. Board Meeting - May 11, 2021

B. Payment of Bills

- 1. Approve/Ratify Invoices for Board Awarded Contracts
- 2. Ratify General Expenses for April 2021

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Lonni Granlund - Yes
- Director Chris Mann - Yes
- Director Joyce McIntire - Yes
- Director Dennis Miller - Yes

STAFF REPORT

General Manager Jospeh Zoba provided information about the following items:

- The Regional Urban Water Management Plan and the Regional Integrated Regional Water Management Plan will be discussed at the SBVMWD Advisory Commission meeting on May 20, 2021.
- Recent data from the dual plumbed homes constructed in Calimesa indicates that indoor potable water use will be about 4 kgal/month or about 0.15 acre feet per year. This represents a significant savings from the usual water demand of 0.5 acre feet per year for a typical home.
- The District will be participating in the 2021 Southern California Water Conference as a gold sponsor. The event will be held on August 13, 2021.

DISCUSSION ITEMS:

DM 21-088

CONSIDERATION OF A ONE YEAR EXTENSION FOR ANNUAL LANDSCAPE SERVICES WITH PACIFIC COAST LANDSCAPE FOR CALENDAR YEAR 2021

Senior Engineering Technician Dustin Hochreiter provided an overview of the 2021 landscape contract with Pacific Coast Landscape.

Director Jay Bogh moved that the Board authorize the General Manager ratify and extend the contract for landscape services contract with Pacific Coast Landscape with a revised pricing schedule for 2021.

Director Lonni Granlund seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes
Director Dennis Miller - Yes

DM 21-089

CONSIDERATION OF
AMENDMENT NO. 20
WITH ADS
ENVIRONMENTAL
SERVICES FOR THE
PURCHASE AND
INSTALLATION OF
FOUR NEW FLOW
MONITORS, NINE
METER UPGRADES
AND COMMUNICATION
MODEMS

Public Works Manager John Wrobel provided an overview of the sewer collection monitoring system operated by the District. The District staff proposes to add more monitors to the system to capture data from industrial users and other portions of the sewer collection system.

Director Jay Bogh moved that the Board authorize the General Manager to execute Amendment No. 20 with ADS Environmental for a sum not to exceed \$158,907.05.

Director Joyce McIntire seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes
Director Dennis Miller - Yes

BOARD REPORTS AND
DIRECTOR COMMENTS

Director Lonni Granlund reported on the Association of San Bernardino County Special Districts meeting held on May 17, 2021.

ANNOUNCEMENTS

Director Chris Mann called attention to the announcements listed on the agenda.

ADJOURNMENT

The meeting was adjourned at 4:15 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary

(Seal)

Staff Report



Yucaipa Valley Water District

Discussion Items





Date: May 25, 2021

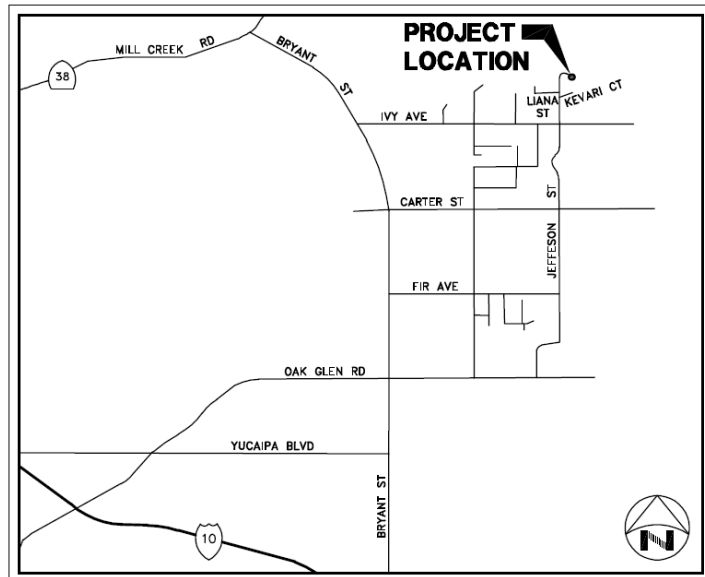
Task: 90857

Prepared By: Matthew Porras, Implementation Manager

Subject: Award of a Construction Contract for the Replacement of Drinking Water Reservoirs R-17.1.1 and R-17.1.2 - Yucaipa

Recommendation: That the Board award a construction contract to Spiess Construction for a sum not to exceed \$1,701,725 and adopt Resolution No. 2021-28 transferring funds from Water Infrastructure Reserves and FCC-Storage Reservoir Funds to fund the construction contract.

On September 22, 2020, at a Regular Board Meeting [Director Memorandum 20-137], the condition of the R17.1 Drinking Water Storage facility was discussed after the damaged asset was identified. The two bolted steel tanks provide service to the northerly area of Pressure Zone 17. The westerly bolted steel tank is identified as R-17.1.1 and the easterly bolted steel tank as R-17.1.2. Currently, the R-17.1.2 tank is drained and out of service due to the severe damage to the structure, causing a significant leak.



Project Overview: The strategic replacement of both drinking water tanks will include the phased demolition and construction of each tank individually to keep the site operational during construction. The existing plastic (PVC) site piping will remain in place while the new ductile iron pipe (DIP) is constructed in a new alignment. The new alignment of the site piping includes 750 linear feet of 12” DIP located within the site access road. The new volume of storage will be 640,000 gallons compared to the 210,000 gallons currently available. The tank structures will meet current design criteria for seismic events and require little to no maintenance for the next 40-50 years besides the annual cleaning and interior inspection. Other improvements include site security with new site fencing, repair of the erosion in the adjacent slope, improved access with pavement replacement.

The Board authorized staff to solicit bids for this project on April 6, 2021 [Director Memorandum 21-070]. The bids that were submitted are summarized below along with the engineers estimate. The second bidder did submit a protest letter to the low bid for this project. The attached letter from Krieger & Stewart Engineering Consultants (K&S) discusses the protest letter comments

and recommends award to the low bidder, Spiess Construction Co. and summarizes the bids that were submitted.

Staff Recommendation: District staff has reviewed the bids, protest letter, and letter of recommendation and supports the recommendation of award. District staff recommends that the Board award a construction contract to Spiess Construction Co. for a sum not to exceed \$1,701,725 adopt Resolution No. 2021-28 transferring funds from Water Infrastructure Reserves and FCC-Storage Reservoir Funds to fund the construction contract.

Financial Consideration: The project will be paid with 33% Water Fund, Infrastructure Reserves [G/L Account #02-000-10311] and 67% Water Fund, FCC-Storage Reservoir funds [G/L Account #02-000-10413] as a result of current storage capacity of 210,000 gallons compared to future capacity of 640,000.

Related Project Requirements: The single supply to the R17.1 site is a small booster located on the corner of Fremont St. and Ivy Ave. This booster site needs to be rebuilt and relocated. The new booster B16.1 site will include a second, back-up pump and is estimated to cost approximately \$600,000. This project will be discussed at a future Board Meeting.

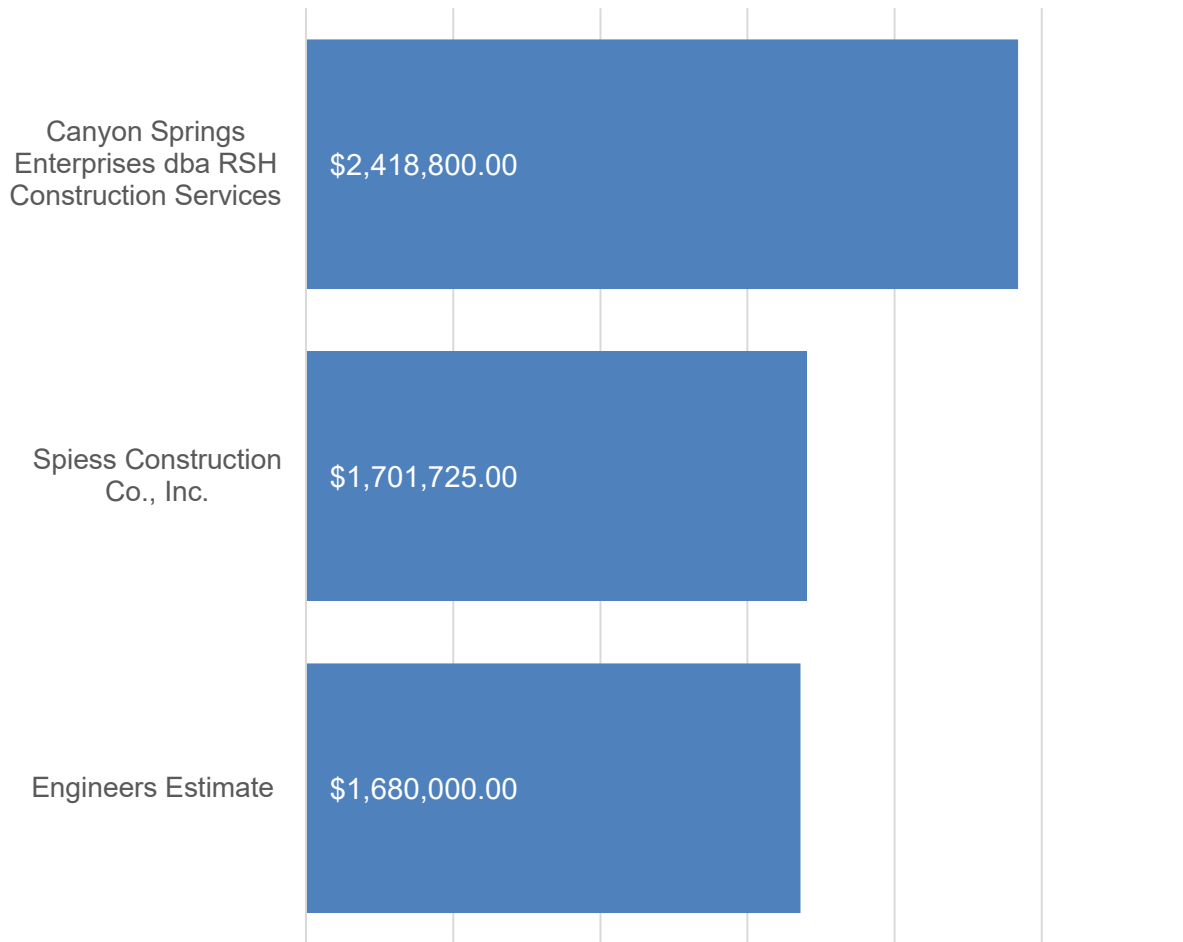




Reservoir R-17.1.2 currently isolated
from the drinking water system

Reservoir R-17.1.1 remains in service

R-17.1 Site - Bid Results



RESOLUTION NO. 2021-28

**RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT
TRANSFERRING FUNDS WITHIN THE WATER FUND AS
TRANSFER NO. 22 and 23 FOR FISCAL YEAR 2021**

WHEREAS, the Yucaipa Valley Water District recognizes the importance of funding projects and programs within the District with funds set aside for this purpose, and

WHEREAS, the Board of Directors has authorized the construction contract for the replacement of Drinking Water Reservoirs R-17.1.1 and R-17.1.2 Project for a sum not to exceed \$1,701,725 [Director Memorandum No. 21-090].

NOW, THEREFORE, the Board of Directors of the Yucaipa Valley Water District hereby RESOLVE, DETERMINE, and ORDER as follows:

Section 1: Fund Transfer No. 22 in the amount of \$561,569.00 from the Water Fund Infrastructure Reserves (02-000-10311) to fund 33% of the construction contract for the Replacement of Drinking Water Reservoirs R-17.1.1 and R-17.1.2 - Yucaipa.

Section 2: Fund Transfer No. 23 in the amount of \$1,140,156.00 from the Water Fund FCC-Storage Reservoir Funds (02-000-10413) to fund 67% of the construction contract for the Replacement of Drinking Water Reservoirs R-17.1.1 and R-17.1.2 - Yucaipa.

PASSED, APPROVED and ADOPTED this 25th day of May 2021.

YUCAIPA VALLEY WATER DISTRICT

Chris Mann, President Board of Directors

ATTEST:

Joseph B. Zoba, General Manager



May 18, 2021

818-138.5 F/C

Matthew Porras, Implementation Manager
 Yucaipa Valley Water District
 12770 Second Street
 Yucaipa, CA 92399

Subject: Reservoir R-17.1.1 and R-17.1.2 Replacement
 Bid Results and Award Recommendation

Dear Mr. Porras:

On May 11, 2021, the Yucaipa Valley Water District (District) received two bids for subject project; the results and engineer's estimate are as follows (a breakdown by bid item is shown in the attached Bid Results table):

<u>Contractor</u>	<u>Bid Amount</u>
Spiess Construction Co., Inc.	\$1,701,725.00
Canyon Springs Enterprises dba RSH Construction Services	\$2,418,800.00
Engineer's Estimate	\$1,685,000.00

The low bidder is Spiess Construction Co., Inc. in the amount of \$1,701,725.00. The bid documents submitted by Spiess Construction Co., Inc. are substantially in order with minor errors as discussed below. The second low bid received from RSH Construction Services contained a mathematical error in their total resulting in a net decrease of \$35,000.00.

Spiess Construction's bid documents contained two minor errors as follows:

1. In the Information Required of Bidder section, the notary public who witnessed the signing of the Certification of Bidding Documents (Paragraph H, Page D-11) failed to add the words "Notary Public" after their name as required in the State of California. Note, the document included the Notary Public's stamp, and the same individual correctly included the term "Notary Public" on other notarized documents within the bidding package.
2. In the List of Subcontractors (Paragraph B, Page D-3) and the Equipment/Material Source Information (Paragraph F, Page D-9), the bidder incorrectly listed the tank subcontractor/supplier as CTS Industries, whereas the actual name is CST Industries (the S and T were transposed). Note, on the Subbidders Statement of Experience (Paragraph D, Page D-6), the spelling of the tank subcontractor/supplier is correct. All other information required for the subcontractor was submitted correctly.

Shipping/Mailing Address: 3890 Orange Street #1509, Riverside, CA 92502
 Office Location: 3602 University Avenue, Riverside, CA 92501
 Tel: (951) 684-6900 • Fax: (951) 684-6986 • www.kriegerandstewart.com



Matthew Porras
May 18, 2021
Page 2

On May 17, 2021, the District received a letter from RSH Construction protesting the bid results and any award to Spiess Construction Co. based on the two errors listed above, and the following:

"The apparent low has defects in filling out the bid forms. Failure to provide information requested per page D-6 Information Required of Bidder D. Subbidder's Statement of Experience. Page D-6 was not submitted for the listed subcontractors: Southern Contracting Co, Westbrook Fence Inc, Weaver Grading Inc, LMT Enterprises dba Tyner Paving Co, On Point Survey, and CTS Industries. Per the Instructions to Bidders, at the bidders option, Part D, pages D-6 and 0-7 may be left blank, however the bidder must have been submitted properly executed Part D of the information Required of Bidders within two (2) business days of the bid opening which provided a deadline of Thursday, May 13, 2021. This information was not received from YVWD Monday, May 17, 2021 as requested."

That claim is incorrect. In accordance with the requirements in the bidding documents, Spiess Construction provided the experience documentation for its subcontractors to our office on Thursday, May 13, 2021. As Krieger & Stewart is the contract manager and agent of YVWD, the submittal to Krieger & Stewart satisfied the bidding instructions.

In summary, Spiess Construction Co., Inc. submitted a bid package that is substantially in compliance with the Instructions to Bidders, and although there were two minor errors, it is our opinion that those errors are inconsequential waivable errors that did not give Spiess Construction Co. an unfair competitive advantage in the bidding process.

Therefore, since construction of the Reservoir R-17.1.1 and R-17.1.2 Replacement project is necessary to replace the existing reservoirs that have exceeded their useful lives, and since Spiess Construction Co., Inc. is an experienced, capable contractor with a current Class A Contractor's License (No. 333989), we recommend award of subject work to Spiess Construction Co., Inc. in the amount of \$1,701,725.00.

If you have any questions, please call.

Sincerely,

KRIEGER & STEWART

A handwritten signature in black ink that reads "Patrick M. Watson".

Patrick M. Watson

PMW/lgc
818-138-RECAWARD

Attachment: Bid Results



Date: May 25, 2021

Task: N/A

Prepared By: Allison M. Edmisten, Chief Financial Officer
Erin Anton, Administrative Supervisor

Subject: Identification and Declaration of Bad Debt for Calendar Year 2019

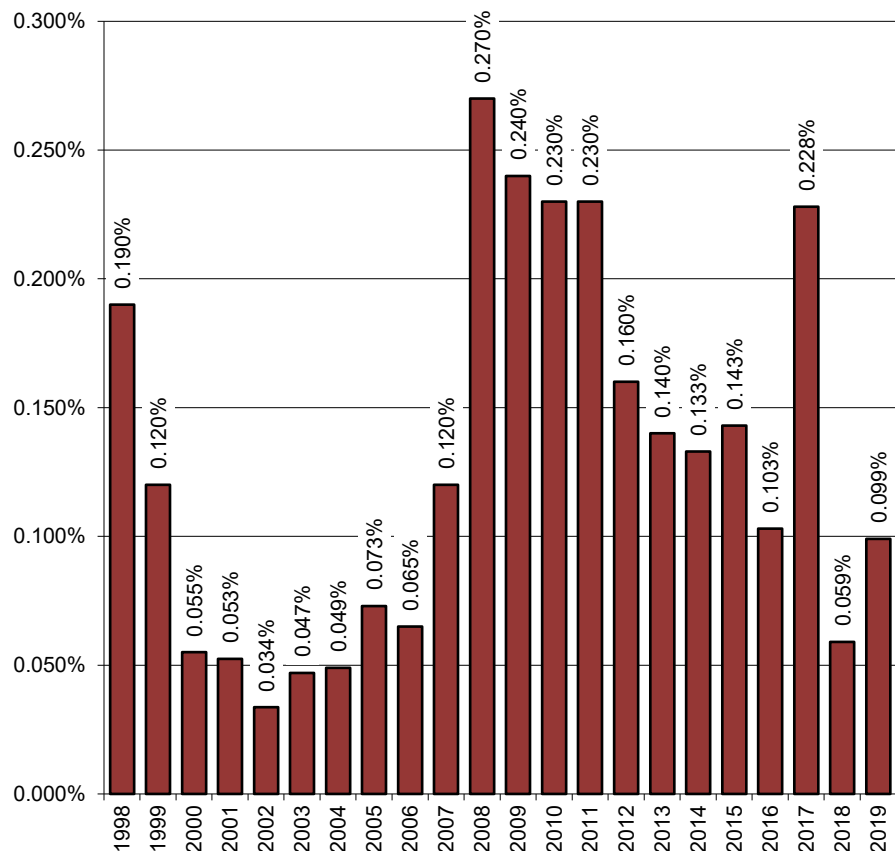
Recommendation: That the Board authorize the District staff to declare bad debt for Calendar Year 2019 in the amount of \$19,913.68.

The District actively pursues delinquent accounts, and in most cases is able to collect delinquent fees through a combination of shutting off the services provided, sending accounts to a collection agency, placing a lien on the property involved, and/or pursuing the claims through legal actions such as small claims court. In some cases, the District is unable to collect the money owed the District.

During the calendar year 2019, the amount of bad debt totals \$19,913.68. This total includes \$3,414.97 for sewer only customers and \$16,498.71 for water/sewer customers. As a proper accounting procedure, this bad debt must be accounted for on our financial statements; otherwise, the debt remains as a liability on the District's annual audit.

Overall, the total amount of bad debt represents a loss of 0.099% for calendar year 2019 based on total water and sewer revenues.

Bad Debt as a Percentage of Annual Water and Sewer Revenues





Date: May 25, 2021 **Task:** Not Applicable

Prepared By: John Wrobel, Public Works Manager

Subject: Overview of Recent Water System Leaks and Proposed Pipeline Improvements

Recommendation: Staff Presentation - No Action Required.

As the District staff compiles the Capital Improvement Program for Fiscal Year 2022 there will be several large-scale projects that will continue to improve the District's overall resiliency and effectiveness. In addition to these projects, the District staff is also mindful of the aging pipeline system that delivers drinking water to homes and businesses throughout the community.

The purpose of this agenda item is to provide an overview of recent water mainline leaks and discuss a few of the proposed pipeline projects for the next fiscal year.





Date: May 25, 2021

Prepared By: Joseph Zoba, General Manager

Subject: Consideration of Updated Annexation Resolutions for Processing with the San Bernardino County Local Agency Formation Commission

Recommendation: That the Board adopt Resolution Nos. 2021-25, 2021-26, and 2021-27 Requesting the Local Agency Formation Commission Tak Proceedings for the Annexation of Parcels into the Territory of the Yucaipa Valley Water District.

The District staff is currently working with the San Bernardino Local Agency Formation Commission for the annexation of parcels into the service area boundary of the Yucaipa Valley Water District. Upon review of the resolutions, the District staff noticed that specific parcels needed to be adjusted due to the change in ownership and other minor technical corrections.

The District staff recommends approval of the attached Resolution Nos. 2021-25, 2021-26, and 2021-27 to continue the annexation process.

Name	Parcel Numbers	Owner	YVWD Resolution
Shopoff Parcels	407-220-018	I-10 Logistics	2021-25
	407-220-019	I-10 Logistics	
	413-270-022	I-10 Logistics	
Oak Valley Partners	413-280-025	Oak Valley Development Corp	2021-26
	413-280-024	Oak Valley Development Corp	
	413-280-007	Oak Valley Development Corp	
Palmer and YVWD	0301-191-21	Palmer General	2021-27
	0301-201-14	Palmer General	
	0301-201-23	YVWD	
	0301-201-26	Palmer General	
	0301-201-36	YVWD	
	0301-201-42	Palmer General	
	0301-211-12	Palmer General	
	0301-221-10	Palmer General	
Corey Trust	0321-241-09	Corey Trust	2020-52
YVWD	0301-201-23	YVWD - See R-2021-27	2020-53
	0301-201-36	YVWD - See R-2021-27	
	413-250-006	YVWD	
Majestic Realty	413-270-020	Majestic Realty	2020-54
	413-270-019	Majestic Realty	

RESOLUTION NO. 2021-25

A RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT REQUESTING THE LOCAL AGENCY FORMATION COMMISSION TAKE PROCEEDINGS FOR THE ANNEXATION OF TERRITORY (ASSESSOR'S PARCEL NUMBERS 407-220-018, 407-220-019, and 413-270-022)

BE IT RESOLVED, by the Board of Directors of the Yucaipa Valley Water that:

WHEREAS, the Board of Directors of the Yucaipa Valley Water District desires to initiate proceedings pursuant to the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000, commencing with Section 56000 of the California Government Code, for the annexation of property to the Yucaipa Valley Water District; and,

WHEREAS, the territory proposed for annexation is set forth in Exhibit "A" attached hereto, and by this reference incorporated herein; and,

WHEREAS, the proposed annexation is consistent with the sphere of influence assigned by the Local Agency Formation Commission for the Yucaipa Valley Water District; and,

WHEREAS, the Yucaipa Valley Water District desires that the proposed annexation be subject to the following terms and conditions:

1. Drinking water, sewer and recycled water service shall be provided to the subject property pursuant to the rules and regulations of the Yucaipa Valley Water District.
2. All standards terms and conditions imposed by the Local Agency Formation Commission.
3. The owner(s) of the property shall be responsible for all costs incurred by the Yucaipa Valley Water District and the Local Agency Formation Commission pertaining to this annexation.

WHEREAS, the reason for the proposed annexation is to provide drinking water, recycled water, and sewer service to the anticipated development of the subject property.

NOW, THEREFORE, BE IT RESOLVED, that this resolution of Application is hereby approved and adopted by the Board of Directors of the Yucaipa Valley Water District, and the Local Agency Formation Commission for San Bernardino County is hereby requested to take proceedings for the annexation as described in Exhibit "A", in the manner provided by the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 as follows:

Section 1. This Resolution of Application is hereby adopted and approved by the Board of Directors of the Yucaipa Valley Water District, and the Local Agency Formation Commission for San Bernardino County is hereby requested to take proceedings for the annexation of territory as described above, according to the terms and conditions stated above and in the manner provided by the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.

Section 2. The Yucaipa Valley Water District acknowledges and agrees to the Local Agency Formation Commission for San Bernardino County's requirement for imposing legal indemnification as outlined in Policy 3 of Chapter 2 of the Accounting and Financial Section of its Policy and Procedure Manual.

Section 3. The General Manager of the Yucaipa Valley Water District is hereby directed and authorized to execute, on behalf of the District, the justification for proposal and supplemental form for the annexation which includes the preparation and certifying of the Plan for Service and Fiscal Impact Analysis, copies of which are on file in the District office.

BE IT FURTHER RESOLVED that the Secretary of the Yucaipa Valley Water District is hereby authorized and directed to transmit to the Executive Officer of the Local Agency Formation Commission a certified copy of this Resolution.

PASSED, APPROVED and ADOPTED this 25th day of May 2021.

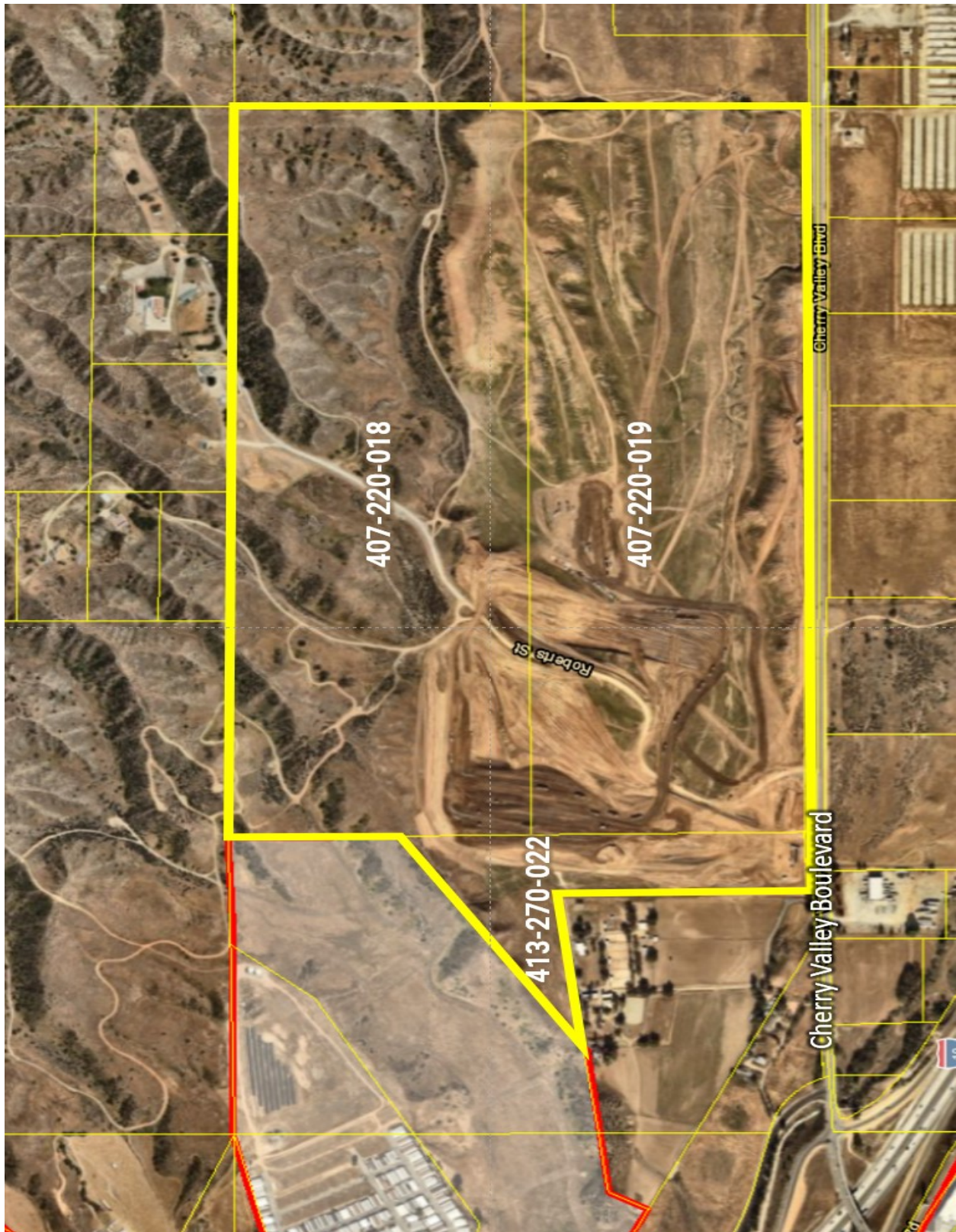
YUCAIPA VALLEY WATER DISTRICT

Chris Mann, President Board of Directors

ATTEST:

Joseph B. Zoba, General Manager

Exhibit "A"



RESOLUTION NO. 2021-26**A RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT
REQUESTING THE LOCAL AGENCY FORMATION COMMISSION TAKE
PROCEEDINGS FOR THE ANNEXATION OF TERRITORY
(ASSESSOR'S PARCEL NUMBERS 413-280-007, 413-280-024 and 413-280-025)**

BE IT RESOLVED, by the Board of Directors of the Yucaipa Valley Water that:

WHEREAS, the Board of Directors of the Yucaipa Valley Water District desires to initiate proceedings pursuant to the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000, commencing with Section 56000 of the California Government Code, for the annexation of property to the Yucaipa Valley Water District; and,

WHEREAS, the territory proposed for annexation is set forth in Exhibit "A" attached hereto, and by this reference incorporated herein; and,

WHEREAS, the proposed annexation is consistent with the sphere of influence assigned by the Local Agency Formation Commission for the Yucaipa Valley Water District; and,

WHEREAS, the Yucaipa Valley Water District desires that the proposed annexation be subject to the following terms and conditions:

1. Drinking water, sewer and recycled water service shall be provided to the subject property pursuant to the rules and regulations of the Yucaipa Valley Water District.
2. All standards terms and conditions imposed by the Local Agency Formation Commission.
3. The owner(s) of the property shall be responsible for all costs incurred by the Yucaipa Valley Water District and the Local Agency Formation Commission pertaining to this annexation.

WHEREAS, the reason for the proposed annexation is to provide drinking water, recycled water, and sewer service to the anticipated development of the subject property.

NOW, THEREFORE, BE IT RESOLVED, that this resolution of Application is hereby approved and adopted by the Board of Directors of the Yucaipa Valley Water District, and the Local Agency Formation Commission for San Bernardino County is hereby requested to take proceedings for the annexation as described in Exhibit "A", in the manner provided by the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 as follows:

- Section 1. This Resolution of Application is hereby adopted and approved by the Board of Directors of the Yucaipa Valley Water District, and the Local Agency Formation Commission for San Bernardino County is hereby requested to take proceedings for the annexation of territory as described above, according to the terms and conditions stated above and in the manner provided by the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.

Section 2. The Yucaipa Valley Water District acknowledges and agrees to the Local Agency Formation Commission for San Bernardino County's requirement for imposing legal indemnification as outlined in Policy 3 of Chapter 2 of the Accounting and Financial Section of its Policy and Procedure Manual.

Section 3. The General Manager of the Yucaipa Valley Water District is hereby directed and authorized to execute, on behalf of the District, the justification for proposal and supplemental form for the annexation which includes the preparation and certifying of the Plan for Service and Fiscal Impact Analysis, copies of which are on file in the District office.

BE IT FURTHER RESOLVED that the Secretary of the Yucaipa Valley Water District is hereby authorized and directed to transmit to the Executive Officer of the Local Agency Formation Commission a certified copy of this Resolution.

PASSED, APPROVED and ADOPTED this 25th day of May 2021.

YUCAIPA VALLEY WATER DISTRICT

Chris Mann, President Board of Directors

ATTEST:

Joseph B. Zoba, General Manager

Exhibit "A"



RESOLUTION NO. 2021-27

A RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT REQUESTING THE LOCAL AGENCY FORMATION COMMISSION TAKE PROCEEDINGS FOR THE ANNEXATION OF TERRITORY

(ASSESSOR'S PARCEL NUMBERS 0301-191-21, 0301-201-14, 0301-201-23,
0301-201-26, 0301-201-36, 0301-201-42, 0301-211-12, and 0301-221-10)

BE IT RESOLVED, by the Board of Directors of the Yucaipa Valley Water that:

WHEREAS, the Board of Directors of the Yucaipa Valley Water District desires to initiate proceedings pursuant to the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000, commencing with Section 56000 of the California Government Code, for the annexation of property to the Yucaipa Valley Water District; and,

WHEREAS, the territory proposed for annexation is set forth in Exhibit "A" attached hereto, and by this reference incorporated herein; and,

WHEREAS, the proposed annexation is consistent with the sphere of influence assigned by the Local Agency Formation Commission for the Yucaipa Valley Water District; and,

WHEREAS, the Yucaipa Valley Water District desires that the proposed annexation be subject to the following terms and conditions:

1. Drinking water, sewer and recycled water service shall be provided to the subject property pursuant to the rules and regulations of the Yucaipa Valley Water District.
2. All standards terms and conditions imposed by the Local Agency Formation Commission.
3. The owner(s) of the property shall be responsible for all costs incurred by the Yucaipa Valley Water District and the Local Agency Formation Commission pertaining to this annexation.

WHEREAS, the reason for the proposed annexation is to provide drinking water, recycled water, and sewer service to the anticipated development of the subject property.

NOW, THEREFORE, BE IT RESOLVED, that this resolution of Application is hereby approved and adopted by the Board of Directors of the Yucaipa Valley Water District, and the Local Agency Formation Commission for San Bernardino County is hereby requested to take proceedings for the annexation as described in Exhibit "A", in the manner provided by the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 as follows:

- Section 1. This Resolution of Application is hereby adopted and approved by the Board of Directors of the Yucaipa Valley Water District, and the Local Agency Formation Commission for San Bernardino County is hereby requested to take proceedings for the annexation of territory as described above, according to the terms and conditions stated above and in the manner provided by the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.

Section 2. The Yucaipa Valley Water District acknowledges and agrees to the Local Agency Formation Commission for San Bernardino County's requirement for imposing legal indemnification as outlined in Policy 3 of Chapter 2 of the Accounting and Financial Section of its Policy and Procedure Manual.

Section 3. The General Manager of the Yucaipa Valley Water District is hereby directed and authorized to execute, on behalf of the District, the justification for proposal and supplemental form for the annexation which includes the preparation and certifying of the Plan for Service and Fiscal Impact Analysis, copies of which are on file in the District office.

BE IT FURTHER RESOLVED that the Secretary of the Yucaipa Valley Water District is hereby authorized and directed to transmit to the Executive Officer of the Local Agency Formation Commission a certified copy of this Resolution.

PASSED, APPROVED and ADOPTED this 25th day of May 2021.

YUCAIPA VALLEY WATER DISTRICT

Chris Mann, President Board of Directors

ATTEST:

Joseph B. Zoba, General Manager

Exhibit "A"





Date: May 25, 2021

Prepared By: Joseph B. Zoba, General Manager

Subject: Consideration of a Temporary Reduction in Supplemental Water Commodity Charges for Customers in Riverside County

Recommendation: That the Board adopt Resolution No. 2021-29.

On April 15, 2019, the San Geronio Pass Water Agency increased their wholesale water rate from \$309/acre foot to \$399/acre foot.

On January 21, 2020, the Yucaipa Valley Water District adopted Resolution No. 2020-01 which adjusted the supplemental water rates on February 1, 2021 from a calculation factor of 0.700 to a calculation factor 0.722 based on the following equation.

$$\text{Supplemental Water Commodity Charge} = \text{Calculation Factor} \times \text{SBVMWD or SGPWA Imported Water Rate} \times 0.00307$$

Resolution No. 2020-01 went into effect on February 1, 2020. The District staff recommends your consideration of the attached resolution that will temporarily reduce the Supplemental Water Commodity Charge for customers in Riverside County from \$0.86/kgal to \$0.66/kgal for a period not to exceed one year (expires on January 31, 202).

A similar action was taken on February 18, 2021, with the adoption of Resolution No. 2020-12.

This resolution will not impact the charge to new development for the 7-acre feet of imported water required for new development.

RESOLUTION NO. 2021-29

A RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT REDUCING THE REDUCING THE SUPPLEMENTAL WATER COMMODITY CHARGE APPROVED IN RESOLUTION NO. 2020-01 FOR CUSTOMERS IN RIVERSIDE COUNTY UNTIL JANUARY 31, 2022

WHEREAS, the Yucaipa Valley Water District (the "District") is a public agency of the State of California organized and existing pursuant to the provisions of the County Water District Law of this State (Section 30000, et seq. of the Water Code); and

WHEREAS, Section 21080(b)(8) of the Public Resources Code provides that the establishment, modification, structuring, restructuring or approval of rates, tolls, fares, or other charges by public agencies are exempt from the requirements of the California Environmental Quality Act (CEQA) provided that certain findings are made specifying the basis for the claim of exemption; and

WHEREAS, the actions taken herein are necessary for setting rates, fees, charges for the provision of water and sewer service within the boundaries of the District and are therefore exempt from the requirements of the California Environmental Quality Act as provided by Public Resources Code Section 21080(b)(8); and

WHEREAS, the amount of rates and charges hereby adopted do not exceed the reasonable anticipated costs for the corresponding services provided by the District, and therefore the fees imposed hereby do not qualify as a "tax" under Article XIII C, Section 1€ of the California Constitution or Section 50076 of the California Government Code, and the actions taken herein are exempt from the additional notice and public meeting requirements of the Brown Act pursuant to Government Code Section 54954.6(a)(1)(A) and (B); and

WHEREAS, on January 21, 2020, the Board of Directors conducted a public hearing on the proposed rate adjustments as provided in the notice mailed to customers who would be affected by the rates, considered all written protests to the proposed rate adjustments filed with the District prior to the conclusion of the public hearing, and has determined that the written protests filed with the District represent fewer than fifty percent (50%) of the number of parcels that would be affected by the proposed rate adjustment; and

WHEREAS, Section 4.05 of Resolution No. 2020-01 provides for the implementation of a Supplemental Water Commodity Charge for "all Yucaipa Valley Water District drinking water consumption recorded at all individual drinking water meters including, but not limited to, residential, multi-family, commercial, industrial, institutional, and construction users"; and

WHEREAS, the calculation methodology within Section 4.05 of Resolution No. 2020-01 results in a Supplemental Water Commodity Charge of \$0.86/kgal effective on February 1, 2020 for residents within Riverside County; and

WHEREAS, the Yucaipa Valley Water District staff has determined that a rate of \$0.66/kgal will provide sufficient revenue for the next year.

NOW, THEREFORE, the Yucaipa Valley Water District hereby resolves that the Supplemental Water Commodity Charge for customers in Riverside County shall be temporarily reduced from \$0.86/kgal to \$0.66/kgal for a period not to exceed one year (expires on January 31, 2021) consistent with the provisions of Resolution No. 2020-01.

FURTHERMORE, this temporary reduction to the Supplemental Water Commodity Charge does not reduce the unit price charged by the San Geronio Pass Water Agency of \$399/acre foot for the calculation of supplemental water associated with the Groundwater Deposits for New Development required by Resolution No. 2008-11, Section 9.

PASSED, APPROVED and ADOPTED this 25th day of May 2021.

YUCAIPA VALLEY WATER DISTRICT

ATTEST:

Chris Mann, President Board of Directors

Joseph B. Zoba, General Manager

Board Reports and 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
72 full time employees

FY 2020-21 Operating Budget: Water Division - \$16,716,488
Sewer Division - \$12,869,897
Recycled Water Division - \$1,270,360

Number of Services: 14,440 drinking water connections serving 19,355 units
14,363 sewer connections serving 21,429 units
695 recycled water connections serving 845 units

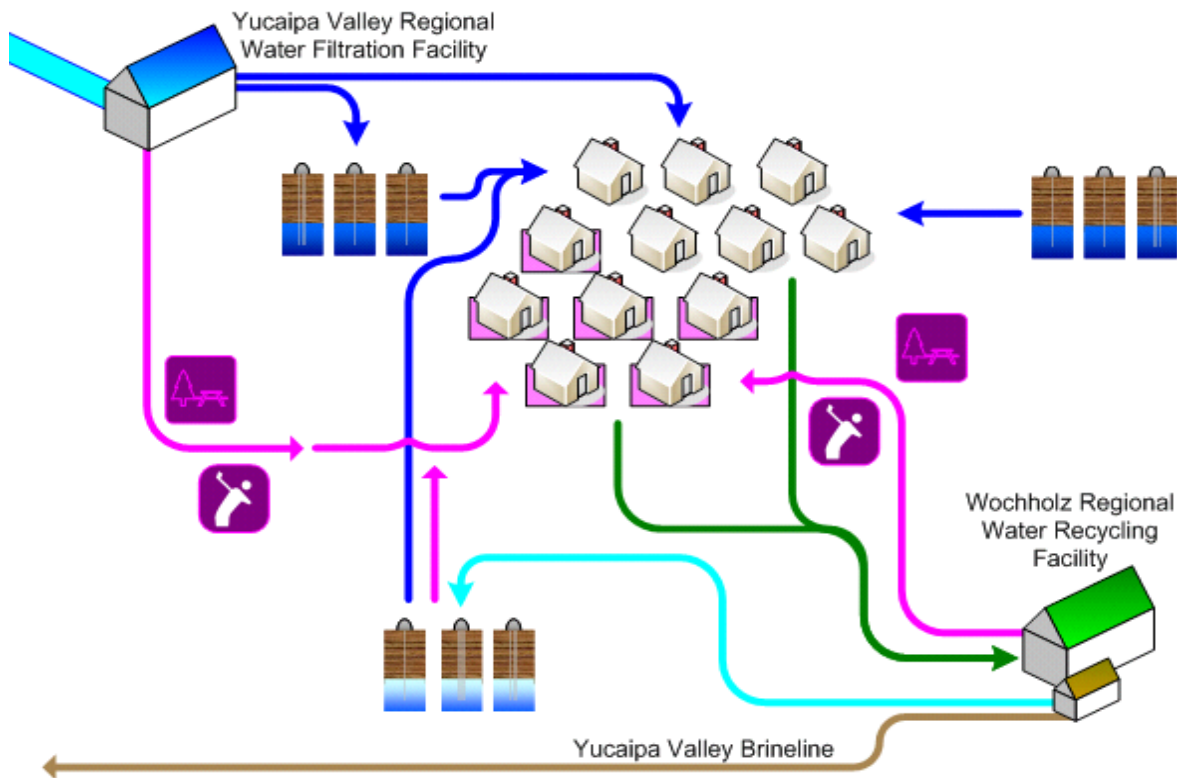
Water System: 234 miles of drinking water pipelines
2,103 fire hydrants
27 reservoirs - 34 million gallons of storage capacity
18 pressure zones
3.376 billion gallon annual drinking water demand
Two water filtration facilities:
- 1 mgd at Oak Glen Surface Water Filtration Facility
- 12 mgd at Yucaipa Valley Regional Water Filtration Facility

Sewer System: 8.0 million gallon treatment capacity - current flow at 4.0 mgd
222 miles of sewer mainlines
4,639 sewer manholes
7 sewer lift stations
1.46 billion gallons of recycled water produced per year

Recycled Water: 32 miles of recycled water pipelines
5 reservoirs - 12 million gallons of storage
0.623 billion gallon annual recycled water demand

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

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



Typical Rates, Fees and Charges:

- Drinking Water Commodity Charge:

1,000 gallons to 15,000 gallons	\$1.579 per each 1,000 gallons
16,000 gallons to 60,000 gallons	\$2.131 per each 1,000 gallons
61,000 gallons to 100,000 gallons	\$2.435 per each 1,000 gallons
101,000 gallons or more	\$2.668 per each 1,000 gallons

- Recycled Water Commodity Charge:

1,000 gallons or more	\$1.760 per each 1,000 gallons
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- Water Meter Service Charge (Drinking Water or Recycled Water):

5/8" x 3/4" Water Meter	\$16.00 per month
1" Water Meter	\$26.72 per month
1-1/2" Water Meter	\$53.28 per month

- Sewer Collection and Treatment Charge:

Typical Residential Charge	\$44.21 per month
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State Water Contractors: San Bernardino Valley Municipal Water District
San Gorgonio Pass Water Agency



	San Bernardino Valley Municipal Water District	San Gorgonio Pass Water Agency
Service Area Size	353 square miles	222 square miles
Table "A" Water Entitlement	102,600 acre feet	17,300 acre feet
Imported Water Rate	\$125.80 / acre foot	\$399 / acre foot
Tax Rates for FY 2019-20	\$0.1425 per \$100	\$0.1775 per \$100
Number of Board Members	Five (5)	Seven (7)
Operating Budget FY 2020-21	\$48,519,000	\$8,692,000

Imported Water Charges (Pass-through State Water Project Charge)

- San Bernardino Valley Municipal Water District - Customers in San Bernardino County or City of Yucaipa pay a pass-through amount of \$0.270 per 1,000 gallons.
- San Gorgonio Pass Water Agency - Customers in Riverside County or City of Calimesa pay a pass-through amount of \$0.660 per 1,000 gallons. A rate change of up to \$0.857 per 1,000 gallons is pending future consideration by YVWD.





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 wastewater 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 wastewater treatment process. This high-quality product can be recycled as a soil amendment on farmland or further processed as an earth-like product for commercial and home gardens to improve and maintain fertile soil and stimulate plant growth.

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

Certificate of Participation (COP) – A type of financing where an investor purchases a share of the lease revenues of a program rather than the bond being secured by those revenues.

Coliform Bacteria - A group of bacteria found in the intestines of humans and other animals, but also occasionally found elsewhere used as indicators of sewage pollution. E. coli are the most common bacteria in wastewater.

Collections System - In wastewater, it is the system of typically underground pipes that receive and convey sanitary wastewater or storm water.

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.

Contaminants of Potential Concern (CPC) - Pharmaceuticals, hormones, and other organic wastewater contaminants.

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.

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.

Levels of Service (LOS) - Goals to support environmental and public expectations for performance.

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.

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.

Santa Ana River Interceptor (SARI) Line - A regional brine line designed to convey 30 million gallons per day (MGD) of non-reclaimable wastewater from the upper Santa Ana River basin to Orange County Sanitation District for treatment, use and/or disposal.

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

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 wastewater.

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.

South Coast Air Quality Management District (SCAQMD) - Regional regulatory agency that develops plans and regulations designed to achieve public health standards by reducing emissions from business and industry.

Special district - A form of local government created by a local community to meet a specific need. Yucaipa Valley Water District is a County Water District formed pursuant to Section 30000 of the California Water Code

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.

Surface Water - Water found in lakes, streams, rivers, oceans, or reservoirs behind dams. In addition to using groundwater, Yucaipa Valley Water District receives surface water from the Oak Glen area.

Sustainable Groundwater Management Act (SGMA) - Pursuant to legislation signed by Governor Jerry Brown in 2014, the Sustainable Groundwater Management Act requires water agencies to manage groundwater extractions to not cause undesirable results from over production.

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 wastewater as it trickles over them.

Underground Service Alert (USA) - A free service (<https://www.digalert.org>) 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 carry 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.

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

Water Service Line - A water service line is used to deliver water from the Yucaipa Valley Water District's mainline distribution system.

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.

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

Water-Wise House Call - a service which provides a custom evaluation of a customer's indoor and outdoor water use and landscape watering requirements.

Well - a hole drilled into the ground to tap an underground aquifer.

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





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
SGMA	Sustainable Groundwater Management Act
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