



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, February 16, 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 - February 9, 2021
- V. STAFF REPORT**
- VI. DISCUSSION ITEMS**
- A. Installation of an Additional Chemical Storage Tank at the Yucaipa Valley Regional Water Filtration Facility [[Director Memorandum No. 21-027 - Page 13 of 34](#)]
RECOMMENDED ACTION: That the Board approve the installation of the secondary bulk chemical tank by Pascal & Ludwig for a sum not to exceed \$62,450.
- B. Overview of Suggested Updates to the 2019 Yucaipa Valley Water District's Standard Design Drawings and Specifications [[Director Memorandum No. 21-028 - Page 22 of 34](#)]
RECOMMENDED ACTION: Staff Report – No Action Required.
- VII. BOARD REPORTS & DIRECTOR COMMENTS**
- VIII. ANNOUNCEMENTS**
- A. February 23, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- B. March 2, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- C. March 9, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- D. March 16, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- E. March 23, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- F. March 30, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- G. April 6, 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.

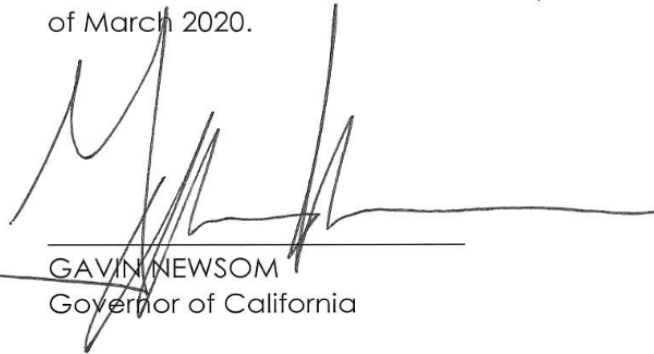
All of the foregoing provisions concerning the conduct of public meetings shall apply only during the period in which state or local public health officials have imposed or recommended social distancing measures.

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

February 9, 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
Jennifer Ares, Water Resource Manager
Madeline Blua, Water Resource Specialist
Allison Edmisten, Chief Financial Officer
Chelsie Fogus, Administrative Assistant I
Dustin Hochreiter, Senior Engineering Technician
Mike Kostelecky, Operations Manager
John Wrobel, Public Works Manager

Directors Absent:

None

Consulting Staff Present:

David Wysocki, Legal Counsel

Registered Guests and Others Present:

Adekunle Ojo, San Bernardino Valley Municipal Water District
Shavonne Turner, San Bernardino Valley Municipal Water District
Madeline Chen

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 passcode 676-950-731 and live presentation material was available at <https://zoom.us/j/676950731> using 765589.

CALL TO ORDER

The regular meeting of the Board of Directors of the Yucaipa Valley Water District was called to order by 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 Dennis Miller moved to approve the consent calendar and Director Lonni Granlund seconded the motion.

A. Minutes of Meetings

1. Board Meeting - February 2, 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

None

DISCUSSION ITEMS:

DM 21-023

OVERVIEW OF WATER
CONSERVATION
EFFORTS WITHIN THE
SAN BERNARDINO
VALLEY MUNICIPAL
WATER DISTRICT'S
SERVICE AREA

Adekunle Ojo, San Bernardino Valley Municipal Water District, presented on water conservation efforts within Valley District's service area.

DM 21-024

PRESENTATION OF
THE UNAUDITED
FINANCIAL REPORT
FOR THE PERIOD
ENDING ON JANUARY
31, 2021

Chief Financial Officer Allison Edmisten provided an overview of the unaudited financial report.

Director Lonni Granlund moved that the Board receive and file the unaudited financial report.

Director Dennis Miller 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 21-025

ANNUAL BILLING FOR
THE YUCAIPA VALLEY
REGIONAL BRINELINE
– MOUNTAIN VIEW
POWER PLANT

Chief Financial Officer Allison Edmisten provided an overview of the annual billing for reimbursement from the Mountain View Power Plant.

DM 21-026

CONSIDERATION OF A
FUNDING ASSISTANCE
AGREEMENT WITH
THE UNITED STATES
BUREAU OF
RECLAMATION FOR
THE DISTRIBUTION
METERING
ENHANCEMENT
PROJECT

Chief Financial Officer Allison Edmisten provided an overview of the funding assistance agreement with the Bureau of Reclamation for the \$75,000 grant.

Director Dennis Miller moved that the Board authorize the General Manager to execute the funding assistance agreement with the Bureau of Reclamation.

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 Joyce McIntire reported on the Beaumont Basin Watermaster meeting held on February 3, 2021.

Director Joyce McIntire reported on the San Gorgonio Pass Water Agency board meeting held on February 8, 2021.

Director Lonni Granlund reported on the Special Districts Board meeting held on February 8, 2021.

ANNOUNCEMENTS

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

ADJOURNMENT

The meeting was adjourned at 4:40 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary

(Seal)

Staff Report



Yucaipa Valley Water District

Discussion Items



Yucaipa Valley Water District



Date: February 16, 2021

Prepared By: Mike Kostelecky, Operations Manager

Subject: Installation of an Additional Chemical Storage Tank at the Yucaipa Valley Regional Water Filtration Facility

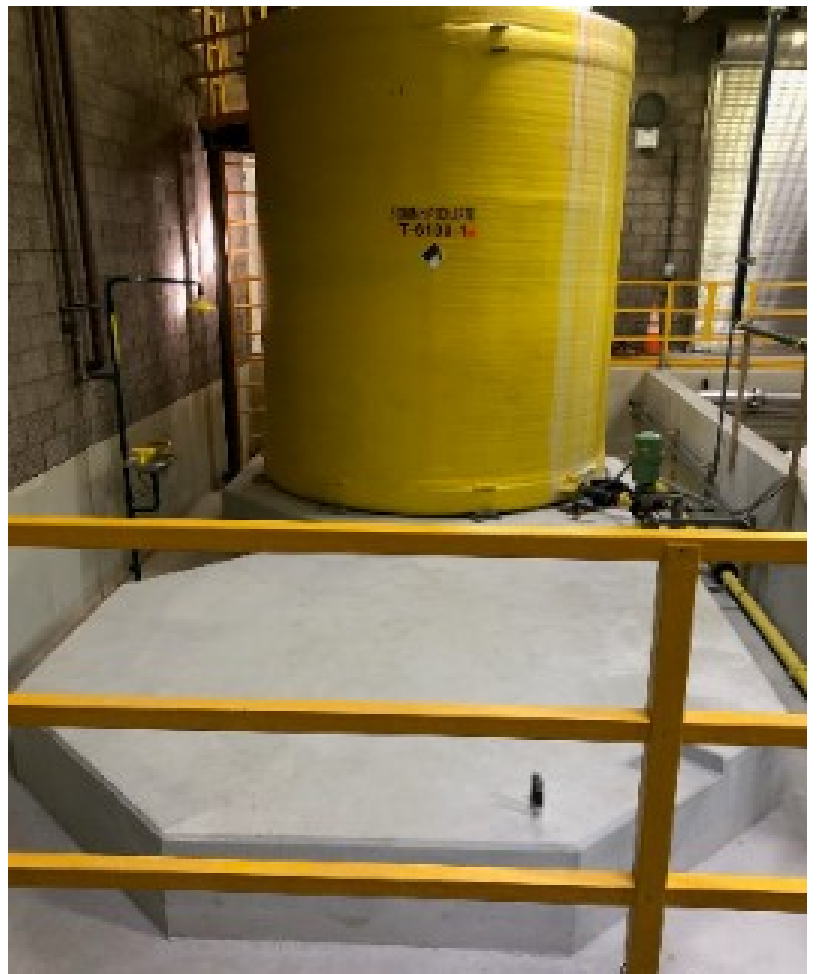
Recommendation: That the Board approve the installation of the secondary bulk chemical tank by Pascal & Ludwig for a sum not to exceed \$62,450.

On June 23, 2020, the Board of Directors authorized the purchase of a secondary sodium hypochlorite bulk chemical tank [Director Memorandum No. 20-109].

On November 9, 2020, the tank was delivered and District staff continued the effort of seeking three installation bids as seen in the table below and attached.

Company	Cost
Pascal & Ludwig	\$62,450
J. R. Filanc	\$63,950
WM Lyles Co.	\$122,300

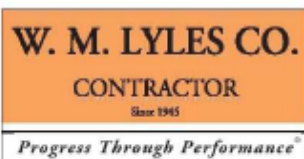
The purpose of this agenda item is to provide an update for this project and request for your consideration to approve the installation costs summarized in the attached quote with Pascal & Ludwig for a sum not to exceed \$62,450.



Item Summary - Analysis		Sheet No.		Estimator RT		Date					
Project YUCAIPA TANK		1		Bid Quantity		1/6/2021					
Description INSTALL TANK		Item No.		Est. Quantity							
DESCRIPTION	QUANTITY	EQUIP. RENTALS		EQUIP. OPER. EXP.	50 ST&S	650 LAB.	MD	FIELD COST	SUB	PERM MATL	TOTAL
		CO.	OTHER								
OFFLOAD & SET TANK	1 LS										
FM	2 SH	480			100	1,300	2	1,880			1,880
3 LAB	2 SH	500			300	3,900	6	4,700			4,700
FORKLIFT	2 SH	1,000	2,000					3,000			3,000
ANCHOR TANK & INSTALL PLATFORM	1 LS										
FM	1 SH	240			50	650	1	940			940
2 LAB	1 SH				100	1,300	2	1,400			1,400
PLUMB TANK	1 LS										
FM	2 SH	480			100	1,300	2	1,880		27,222	29,102
LAB	2 SH				100	1,300	2	1,400			1,400
TEST / STARTUP	1 LS										
FM	1 SH	240			50	650	1	940			940
LAB	1 SH				50	650	1	700			700
GEN SUPER	2 SH	480			100	1,300	2	1,880			1,880
ELECTRICAL	1 LS							0	6,100		6,100
SUBTOTAL		3,420	2,000		950	12,350	19	18,720	6,100	27,222	52,042
									20% MARKUP		10,408
									TOTAL		62,450

YVWD HYPO TANK													1/6/2021	
BID	SPEC #		SCH		JOINT		IN BID			REVISED COST				
ITEM	SHT	DETAIL	DESCRIPTION	CLASS	OPER.	SIZE	QTY	UCM	\$/EA	TOTAL	\$/EA	TOTAL	UP / (DOWN)	VENDOR
			FLANGE	CPVC 80		3"	3	EA	17	51				HARRINGTON
			FLANGE	CPVC 80		2"	8	EA	8	64				HARRINGTON
			FLANGE	CPVC 80		4"	2	EA	23	46				HARRINGTON
			FLANGE	CPVC 80		1.5"	5	EA	7	35				HARRINGTON
			FLANGE	CPVC 80		6"	1	EA	40	40				HARRINGTON
			EXPANSION JOINT	PTFE	FLG	2" X 2-3/4"	2	EA	364	728				HARRINGTON
			EXPANSION JOINT	PTFE	FLG	1.5" X 2"	1	EA	289	289				HARRINGTON
			DIAPHRAGM VALVE	CPVC 80		2"	3	EA	467	1,401				HARRINGTON
			DIAPHRAGM VALVE	CPVC 80		3"	1	EA	1404	1,404				HARRINGTON
			DIAPHRAGM VALVE	CPVC 80		1.5"	1	EA	414	414				HARRINGTON
			TEE	CPVC 80		2"	2	EA	8	16				HARRINGTON
			90 ELBOW	CPVC 80		2"	3	EA	6	18				HARRINGTON
			45 ELBOW	CPVC 80		2"	3	EA	4	12				HARRINGTON
			90 ELBOW	CPVC 80		3"	4	EA	15	60				HARRINGTON
			45 ELBOW	CPVC 80		3"	1	EA	16	16				HARRINGTON
			TEE	CPVC 80		1.5"	1	EA	7	7				HARRINGTON
			45 ELBOW	CPVC 80		1.5"	1	EA	5	5				HARRINGTON
			BUSHING	CPVC 80		4" X 3"	1	EA	13	13				HARRINGTON
			BUSHING	CPVC 80		4" X 1.5"	1	EA	20	20				HARRINGTON
			BUSHING	CPVC 80		6" X 2"	1	EA	29	29				HARRINGTON
			UNION	CPVC 80		3"	2	EA	39	78				HARRINGTON
			PIPE	CPVC 80		2"	46	LF	4.42	177				HARRINGTON
			PIPE	CPVC 80		3"	20	LF	8.32	166				HARRINGTON
			PIPE	CPVC 80		1.5"	20	LF	3.19	64				HARRINGTON
			QT CLR PRIMER	CPVC 80			2	EA	41.00	82				HARRINGTON
			CPVC GLUE	CPVC 80			2	EA	54.00	108				HARRINGTON
			FRP UNISTRUT - SLOTTED	FRP		1-5/8"	10	LF	6.88	69				HARRINGTON
			FRP UNISTRUT CLAMPS	FRP		3"	3	EA	7.00	21				HARRINGTON
			LADDER & PLATFORM	FRP		4"X4"X11'-0"	1	LS		9,422				IG&F
			(INTERNATIONAL GRATING AND FLANGES)											IG&F
			FREIGHT							INCL				IG&F
			ANCHORS				16	EA	50.00	800				
			NB&G (316 SS)	150		1.5"	5	EA	7.00	35				TRIPAC
			NB&G (316 SS)	150		2"	8	EA	6.00	48				TRIPAC
			NB&G (316 SS)	150		3"	2	EA	6.00	12				TRIPAC
			NB&G (316 SS)	150		4"	2	EA	13.00	26				TRIPAC
			NB&G (316 SS)	150		6"	1	EA	21.00	21				TRIPAC
			GASKETS (1/8" FF VITON)	150		1.5"	5	EA	7.00	35				TRIPAC
			GASKETS (1/8" FF VITON)	150		2"	8	EA	8.00	64				TRIPAC
			GASKETS (1/8" FF VITON)	150		3"	2	EA	13.00	26				TRIPAC
			GASKETS (1/8" FF VITON)	150		4"	2	EA	19.00	38				TRIPAC
			GASKETS (1/8" FF VITON)	150		6"	1	EA	28.00	28				TRIPAC
			PIPE HANGER SUPPORT			2"	3	EA	20.00	60				TRIPAC

BID	SPEC #		SCH	JOINT					IN BID	REVISED COST				
ITEM	SHT	DETAIL	DESCRIPTION	CLASS	OPER.	SIZE	QTY	UCM	\$/EA	TOTAL	\$/EA	TOTAL	UP / (DOWN)	VENDOR
			TANK ANCHORS			7/8" X ?	6	EA	50.00	400				
										WI TAX	17,723	WI TAX	17,723	
			TANK LEVEL INDICATOR	CPVC 8"	FLG	2" X 12-4"	1	EA		8,316				GEMS SENSOR
			(SURE SITE - GEMS SENSORS INC.)											
			FREIGHT							500				
										WI TAX	9,419	WI TAX	9,419	
										TOTAL	27,222		27,222	



California Contractor's License No. 422390

Southern Division - **Temecula Office**
 42142 Roick Drive
 Temecula, CA 92590
 Telephone (951) 973-7393
 Fax (951) 698-3031

www.wmlyles.com
 An Equal Opportunity Employer

December 4, 2020

Via Electronic and U.S. Mail

Mr. Michael Kostelecky
 Yucaipa Valley Water District
 12770 Second Street
 Yucaipa, CA 92399-0730
 Email: mkostelecky@yvwd.us

Re: Installation of an owner supplied FRP Tank that will include installation of miscellaneous piping, valves, instruments, supports and electrical work to support the Augusta Fiberglass Company (AFC) Tank at the Yucaipa Valley Water Treatment Plant (YVWD).

Dear Mike:

This letter is in response to the several jobsite meetings we had during which we discussed the scope of work surrounding the installation of the YVWD provided FRP tank and you requested a proposal from W. M. Lyles Co. (WML) to perform the following:

- Set and anchor the YVWD supplied FRP tank inside the existing chemical room on the existing concrete pad.
- Furnish and Install (F&I) the following Schedule 80 CPVC pipelines complete with valves, fittings, FRP supports to match and/or tie into the adjacent tank: Fill, Drain, Vent and Sight Level.
- F&I the ultrasonic level meter and electronic sight glass instruments for FRP tank complete with conduit, wire, meggar testing, supports and termination at existing electrical panels and PLC I/O cards.
- Coat tank with one coat of safety yellow gel coat with catalyst as provided by AFC.
- F&I FRP tank access ladder, platform and handrail as provided by AFC (alternate add to be provided at a later date).
- F&I adhesive identification labels (Seton or equal) on safety yellow gel coat.

The total cost to perform the work detailed above is \$122,300. Listed below are scope clarifications relating to our jobsite discussions and this quotation:

1. No design, QA/QC inspection or testing costs are included in the WML price.
2. No permits, licenses or fees are included in the WML price.
3. Safety Yellow coating costs of the tank only are included in the WML pricing.
4. No coating of the pipe, fittings, valves or supports is included.
5. This proposal is contingent on the work being completed by February 28, 2021.

Corporate Office: 1250 W. Olive, Fresno, CA 93728 Telephone: (559) 441-1900 • Fax (559) 487-7958

Bakersfield (661) 387-1600 | Fresno (559) 268-1540 | Temecula (951) 973-7393 | Sacramento (916) 375-1833 | Visalia (559) 651-1450

6. This proposal includes prevailing wage rates for labor, necessary to complete the work, including disposal of all WML generated waste material.
7. Access and work hours on site for WML staff and field employees will be coordinated with YVWD so as not to impede productivity.
8. Submittals for materials used will be limited to one electronic copy.
9. Submittal review and approval to be performed by YVWD and shall not exceed 5 calendar days.
10. Schedule for work activities to be mutually agreed upon by both WML and YVWD.
11. Payment to be made in full upon completion, net 30 days, with no retention withheld.
12. This proposal is valid for 30 days.
13. WML is signatory to the Laborers, Operators, Carpenters, Cement Masons, Millwrights and certified payroll can be provided if required.
14. Existing PLC panel(s) include sufficient I/O cards to accept new signals.
15. Existing electrical panels include breakers to accept new power supply needs.
16. Existing electrical conduits to PLC's and electrical panels have sufficient room for new wiring (within 100' for power and 200' for control).

Exclusions

1. This proposal is based on the following exclusions:
 - a. Payment and performance bonds. (Add 1% to the total above if required).
 - b. Concrete testing, compaction testing, special testing, and any inspections.
 - c. Engineering, specifications and/or design.
 - d. Purchase of construction water.
 - e. Purchase of temporary construction power.
 - f. Environmental engineering and implementation.
 - g. All permits and associated fees.
 - h. Overtime, weekend, or holiday work (unless specified otherwise above).
 - i. Liquidated damages and/or acceleration.
 - j. Onsite, full time safety inspection or manager.
 - k. Performance guarantees.
 - l. Repairs to existing concrete coatings.
 - m. Repairs to pre-existing concrete damage.
 - n. SCADA and Programming

General Terms and Conditions

1. We reserve the right to request financial data to support the Owner's ability to make timely payments for our work and will not start our scope of work until we have received evidence, to our satisfaction, that there are sufficient funds set aside to pay for the work performed and directed. The Owner shall be obligated to disclose all potential lien rights and/or financing party information on the property.
2. This proposal is conditioned upon the use of an industry standard Contract and we reserve the right to suggest and make contractual changes to any Contract in good faith and direct negotiations.
3. This proposal includes costs for typical insurance policies: General Liability (\$2 million/\$4 million) and Automobile (\$2 million) with additional insured as requested along with standard Worker's Compensation (\$1 million) coverage. Additional insurance coverage may be added at an additional cost.
4. By law, the duty to indemnify shall not extend to the acts of willful misconduct, active, passive, or sole negligence, on the part of the Owner or anyone associated with him including design or engineering work submitted for our Scope.
5. If hazardous materials, unsuitable ground conditions, change in soil conditions or concealed conditions are encountered, we will cease all operations and the Owner will determine the nature and extent of such conditions, and will recommend the nature and extent of remediation. Any hazardous

- materials, unsuitable ground conditions, change in soil conditions or concealed conditions that are encountered shall be considered "extra work" under an approved Change Order.
6. Any authorized cost plus or force account work shall be completed using our annual and most current labor and equipment rates along with our time and material calculation sheet.
 7. Any and all claims, controversies or disputes arising out of or relating to this agreement, or the breach thereof, which remain unresolved after good-faith and direct negotiations between the on-site Project Managers and after with the Corporate Officer(s) and authorized representative of the Owner (parties), shall then be submitted to confidential mediation with written notice in accordance with the rules and procedures for mediation then in effect under either JAMS for Mediation or the Construction Industry Mediation Rules of the American Arbitration Association. Continuing claims, controversies or disputes thereafter shall be submitted to binding Arbitration as allowed by California Law.
 8. All contractual correspondence and payments shall be directed to our Corporate Office at P.O. Box 4377 Fresno, CA 93744

Should you have any questions please feel free to call me to discuss.

Sincerely,

David H. O'Dear, P.E.
Assistant Vice President & Business Development

CC: Matt Cain, Chief Estimator – W. M. Lyles Co.

J.R. FILANC CONSTRUCTION COMPANY, INC.

FILANC

740 North Andreasen Drive, Escondido, California 92029 Ph 760-941-7130 Fax 760-941-3869 www.filanc.com

December 28th, 2020

Mr. Mike Kostelecky
Yucaipa Valley Water District
Office: (909) 790-9208
Mobile: (909) 208-1607
Email: mkostelecky@yvwd.us

Project: Sodium Hypochlorite Tank Installation
Dear Mr. Kostelecky,

J.R. Filanc Construction Company is pleased to submit a bid proposal to install an owner furnished FRP Sodium Hypochlorite Tank for the Yucaipa Valley Water District. Our scope of work, based on the site photos, e-mail clarifications and as-builts provided, is as follows:

- Provide all labor, material and equipment to install the owner supplied FRP storage vessel ~~and level instruments.~~
- The new tank will be painted yellow to match existing. New piping and valves will remain unpainted.
- Layout, install epoxy anchors, and set and level the new tank.
- Furnish and install a new engineered FRP ladder and access platform with handrails.
 - Platform will be constructed of VEFR material based on chemical present
 - New FRP brackets will be glassed into the tank to support the platform.
- Install new piping and hand valves for the fill, vent, overflow, drain, level gauge and feed piping systems
 - All pipe material will be PVC Sch 80
 - Pipe support materials will be FRP and support anchors will be SS316
 - New valves provided will include (1) 3" Diaphragm Valve on the overflow pipe, (2) 2" diaphragm valves on level gauge/indicator connections, (2) 2" ball valves and (1) 2" ball check on fill piping, (1) 1 ½" diaphragm valve and (1) 1 ½" ball valve on feed piping.
 - Flange bolts will be SS316 and gaskets will be Viton.
 - A new roof penetration for vent piping is not included in this proposal. We intend to tie new vent piping into the existing tank vent piping inside the chemical building.
- Mechanically install new owner provided level control instruments
- Run new power and control conductors through existing stubbed up conduits. Provide new above grade conduit as needed to connect to owner supplied instruments
- Pressure test new piping and provide standby support during startup of new system
- Cleanup and demobilize

Clarifications/Exclusions

CA Lic. No. 134887

FILANC

- Performance bond is excluded
- Builder's risk insurance is excluded
- Special inspections are excluded
- Engineering is excluded.
- It's assumed existing stubbed up conduits run to appropriate sources in the power and control room. New conduits in those locations are excluded. Final terminations and programming by others.
- Chemical fill of new tank is excluded.
- New motorized ball valve is excluded.
- New tank is assumed to have outlets in proper locations to install piping connections as shown on the drawings for the future tank. Modifications to the tank other than for new brackets for the access platform are excluded.

LUMP SUM PRICE - \$54,950 + \$9,000 (level instruments) = \$63,950

This proposal is firm for 90 days. If you have any questions or require additional information, please contact me at 760-466-0572.

Sincerely,
Jeffrey Rangan
J.R. Filanc Construction

December 29, 2020

Page 2



Date: February 16, 2021

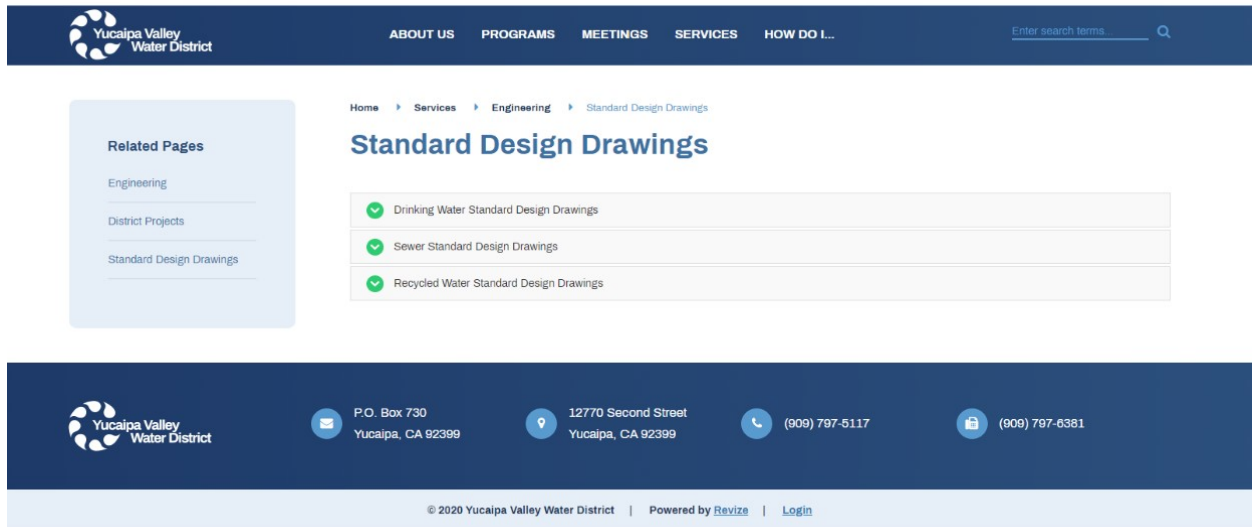
Prepared By: Dustin Hochreiter, Senior Engineering Technician

Subject: Overview of Suggested Updates to the 2019 Yucaipa Valley Water District's Standard Design Drawings and Specifications

Recommendation: Staff Report – No Action Required.

On October 1, 2019, [Director Memorandum No. 19-109], the Board of Directors adopted Resolution No. 2019-19 providing the current version of the standard specifications for drinking water, recycled water, and sewer facilities.

District staff has been working on an update to the current Yucaipa Valley Water District 2019 standard specifications of Drinking Water, Sewer, and Recycled Water to address issues, make improvements, and provide updated information. The current version of the standard design drawings is posted on the District's website and pictured herein.



During the routine use of the design drawings, the District staff identifies areas of improvement and makes notes on specific changes. A few examples of the latest recommended changes are attached.

The purpose of this item is to begin the discussion of the potential changes and provide the opportunity for comments from the public, developers, and the Board of Directors. Once all of the comments are compiled, a 2021 version of the design drawings will be presented for adoption.



Yucaipa Valley Water District

2019 ← 2021

STANDARD SPECIFICATIONS
FOR THE
DESIGN AND PROCESSING,
FURNISHING OF MATERIALS,
AND
CONSTRUCTION OF RECYCLED WATER FACILITIES

YVWD RECYCLED WATER FACILITY STANDARDS
DRAWING INDEX (NUMERICAL)

R-1	STANDARD DESIGN REQUIREMENTS AND LEGEND
R-2	RECYCLED WATER PIPELINE LOCATION
R-3	RECYCLED WATER NOTES FOR NON-RESIDENTIAL SITES
R-4	RECYCLED WATER NOTES FOR ONSITE RESIDENTIAL USE
R-5	3/4" RECYCLED WATER DUAL METER SERVICE FOR ADJOINING RESIDENCES
R-6	1" RECYCLED WATER SERVICE
R-7	1 1/2" AND 2" RECYCLED WATER SERVICE
R-15	1" AND 2" RECYCLED WATER AIR AND VACUUM VALVE ASSEMBLY
R-19	4" RECYCLED WATER BLOW-OFF ASSEMBLY
R-20	RESIDENTIAL DUAL PLUMBED SERVICE SCHEMATIC
R-21	RESIDENTIAL LOT IRRIGATION LAYOUT PLAN SUBMITTAL EXAMPLE
R-22	ONSITE IRRIGATION PIPELINE TRENCHING DETAIL FOR PLANNED RECYCLED WATER USE
R-23	RECYCLED WATER CROSS-CONNECTION CONTROL TEST STATION DETAIL
R-24	ONSITE IRRIGATION AUTOMATIC CONTROLLER - WALL MOUNT
R-25	ONSITE IRRIGATION BURIED ELECTRIC REMOTE CONTROL VALVE
R-26	TRENCH REPAIR AND PIPE BEDDING DETAIL
R-27	LOCKING BALL VALVE FOR FUTURE EXPANSION TO BACKYARD BY OWNER
R-28	TYPICAL DISTRICT EASEMENT

Update R-5 with single 3/4-inch meter option

NOTE:

- DRAWINGS R-8 THROUGH R-14 ARE NOT IN USE
- (W) DRAWINGS LISTED BELOW ARE YVWD DRINKING WATER STANDARD DRAWINGS APPLICABLE TO RECYCLED FACILITIES

W-1	STANDARD LEGEND
W-3	UTILITY LOCATIONS - SECTIONS
W-6	3/4" AND 1" DRINKING WATER SERVICES ON MANIFOLD ASSEMBLY
W-8	3" AND 4" DRINKING WATER SERVICE
W-9	6" AND 8" DRINKING WATER SERVICE
W-10	DOUBLE CHECK BACKFLOW ASSEMBLY
W-11	REDUCED PRESSURE BACKFLOW ASSEMBLY
W-16	DRINKING WATER QUALITY SAMPLING STATION
W-18	FIRE HYDRANT INSTALLATIONS
W-20	VALVE AND VALVE BOX INSTALLATION
W-21	VALVE STEM EXTENSION
W-22	THRUST BLOCK DETAILS FOR RETROFIT ONLY
W-23	PRESSURE REDUCING STATION DETAILS
W-24	PREFABRICATED VAULT AND LID WITH VENT ASSEMBLY
W-25	ADJUSTABLE PIPE SUPPORT
W-26	STEEL CASING PIPE
W-30	TRENCH REPAIR AND PIPE BEDDING DETAIL
W-31	WATER PIPELINE PROTECTION DETAIL
W-32	RETROFIT FOR EXISTING 3/4 AND 1 INCH DRINKING WATER SERVICE
W-33	TYPICAL DISTRICT EASEMENT

RECYCLED WATER STANDARD INDEX

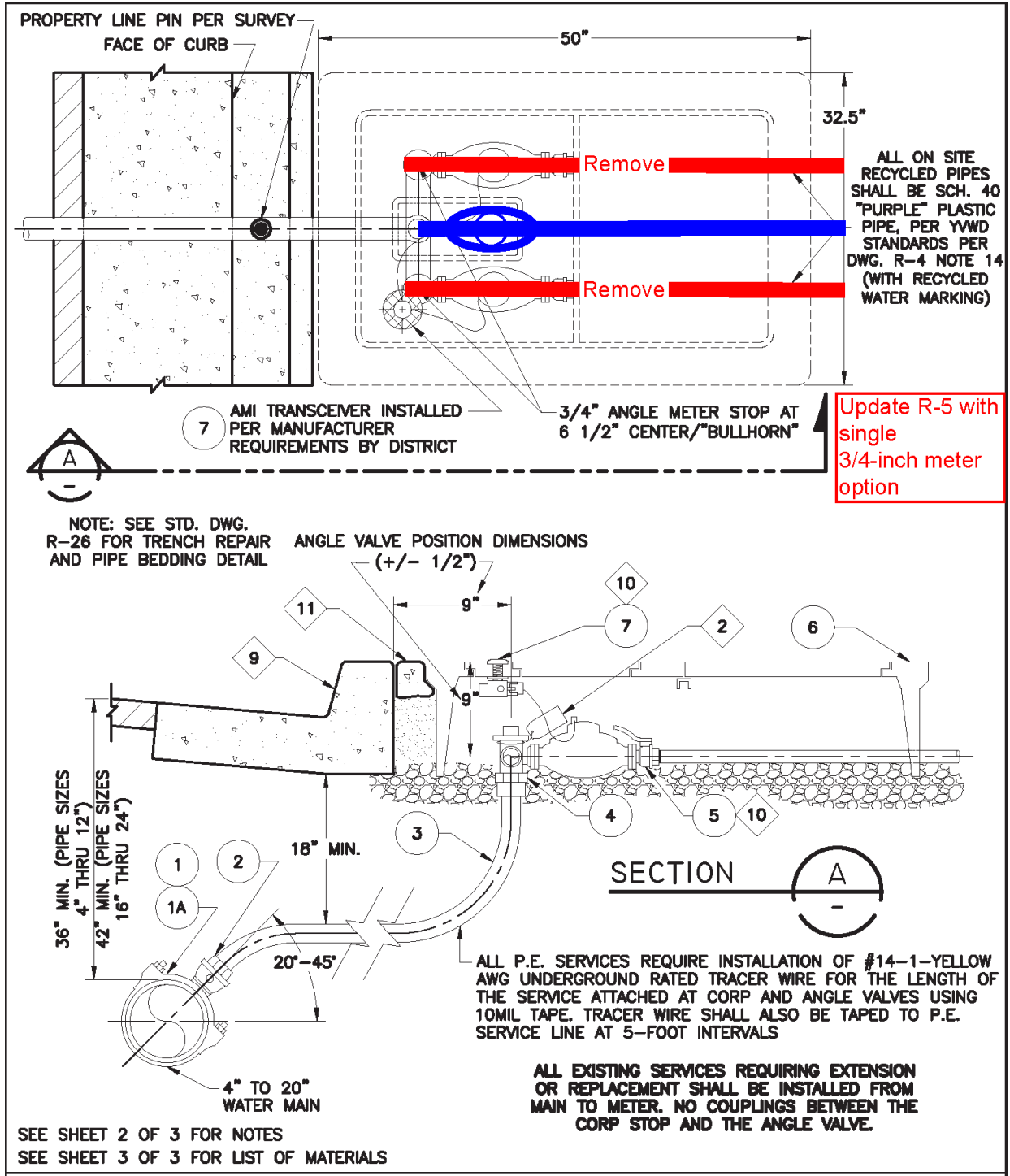
2019



Approved by the Yucaipa Valley Water District Board of Directors on October 1, 2019 as Resolution No. 2019-19

R-0

Sheet 1 of 3



3/4" RECYCLED WATER DUAL METER SERVICE FOR ADJOINING RESIDENCES

2019



Approved by the Yucaipa Valley Water District Board of Directors on October 1, 2019 as Resolution No. 2019-19

R-5

Sheet 1 of 3

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 2019-20 Operating Budget: Water Division - \$14,455,500
Sewer Division - \$12,217,712
Recycled Water Division - \$1,301,447

Number of Services: 13,794 drinking water connections serving 19,243 units
14,104 sewer connections serving 22,774 units
111 recycled water connections serving 460 units

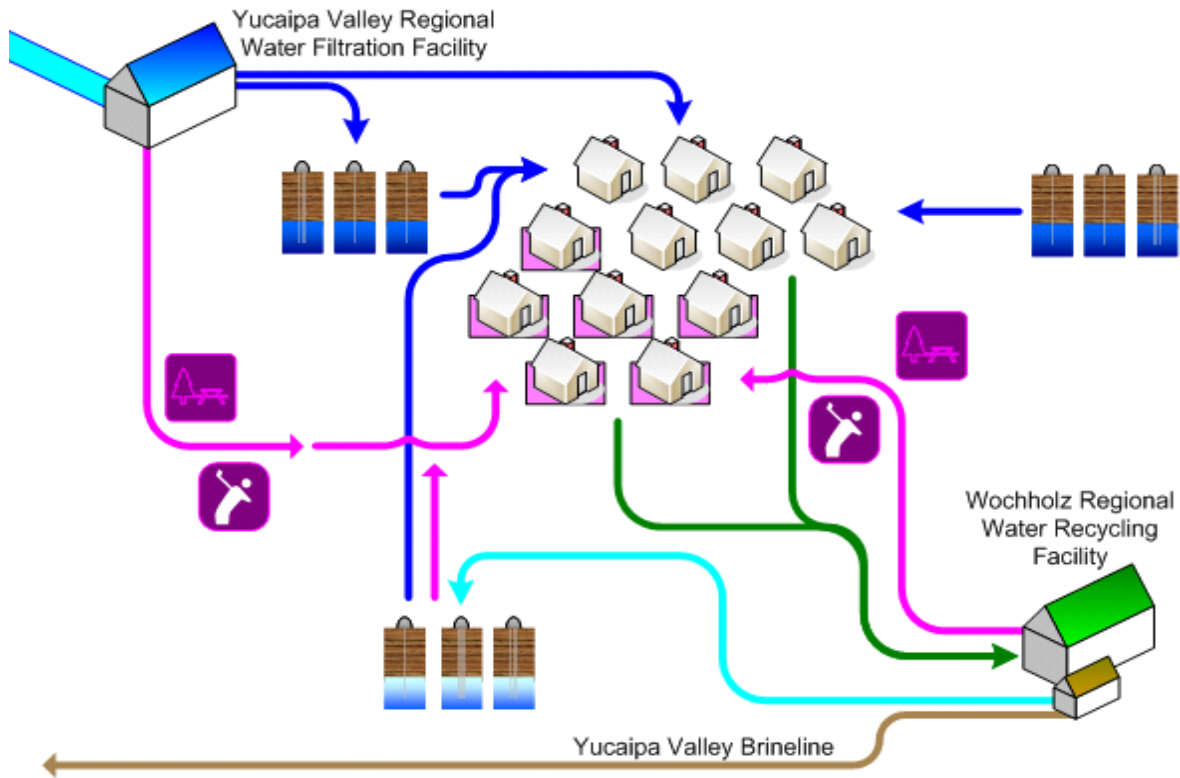
Water System: 223 miles of drinking water pipelines
2,033 fire hydrants
27 reservoirs - 34 million gallons of storage capacity
18 pressure zones
2.958 billion gallon annual drinking water demand
Two water filtration facilities:
- 1 mgd at Oak Glen Surface Water Filtration Facility
- 12 mgd at Yucaipa Valley Regional Water Filtration Facility

Sewer System: 8.0 million gallon treatment capacity - current flow at 3.5 mgd
213 miles of sewer mainlines
4,504 sewer manholes
5 sewer lift stations
1.27 billion gallons of recycled water produced per year

Recycled Water: 22 miles of recycled water pipelines
5 reservoirs - 12 million gallons of storage
0.681 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	\$1.429 per each 1,000 gallons
16,000 gallons to 60,000 gallons	\$1.919 per each 1,000 gallons
61,000 gallons to 100,000 gallons	\$2.099 per each 1,000 gallons
101,000 gallons or more	\$2.429 per each 1,000 gallons

- Recycled Water Commodity Charge:

1,000 gallons or more	\$1.425 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	\$14.00 per month
1" Water Meter	\$23.38 per month
1-1/2" Water Meter	\$46.62 per month

- Sewer Collection and Treatment Charge:

Typical Residential Charge	\$42.43 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 2019-20	\$58,372,000	\$9,551,000

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 proposed rate change 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 to 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