



Yucaipa Valley Water District

Notice and Agenda of a Board Workshop

Tuesday, January 28, 2020 at 4:00 p.m.

MEETING LOCATION: District Administration Building
12770 Second Street, Yucaipa

MEMBERS OF THE BOARD: Director Chris Mann, Division 1
Director Bruce Granlund, Division 2
Director Jay Bogh, Division 3
Director Lonni Granlund, Division 4
Director Joyce McIntire, Division 5

- I. **Call to Order** - Pledge of Allegiance
- II. **Public Comments** At this time, members of the public may address the Board of Directors on matters within its jurisdiction; however, no action or significant discussion may take place on any item not on the meeting agenda.
- III. **Staff Report**
- IV. **Discussion Items**
 - A. Consideration of Resolution No. 2020-05 Supporting the Yucaipa-Calimesa Joint Unified School District's Great Kindness Challenge [[Workshop Memorandum No. 20-025 - Page 6 of 54](#)]
- V. **Strategic Planning**
 - A. Discussion Regarding the Setting of Strategic Planning Goals for 2020 [[Workshop Memorandum No. 20-026 - Page 9 of 54](#)]
- VI. **Operational Updates**
 - A. Status Report on the Inspection and Cleaning of District Reservoirs and Other Water Storage Facilities [[Workshop Memorandum No. 20-027 - Page 13 of 54](#)]
 - B. Status Report on the Annual Repair and Rehabilitation of the Yucaipa Valley Regional Water Filtration Facility [[Workshop Memorandum No. 20-028 - Page 15 of 54](#)]
- VII. **Capital Improvement Projects**
 - A. Status Report on the Geotechnical Investigation Associated with the Calimesa Aquifer Storage and Recovery Project [[Workshop Memorandum No. 20-029 - Page 18 of 54](#)]

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

- B. Status Report on the Paving Associated with the Wildwood Canyon Sewer Mainline Replacement Project [[Workshop Memorandum No. 20-030 - Page 21 of 54](#)]
- C. Status Report of the Replacement of the Drinking Water Reservoir R-16.6 - Calimesa [[Workshop Memorandum No. 20-031 - Page 22 of 54](#)]

VIII. Administrative Issues

- A. Overview of the San Gorgonio Pass Regional Water Alliance [[Workshop Memorandum No. 20-032 - Page 25 of 54](#)]
- B. Overview of a Revised Policy for Members of the Board of Directors Regarding Expense Reimbursement, Meeting Attendance, Compensation, and Benefits [[Workshop Memorandum No. 20-033 - Page 31 of 54](#)]
- C. Discussion Regarding a Change in Compensation Paid to Members of the Board of Directors and a Possible Adjustment to the Compensation Paid per Meeting Day [[Workshop Memorandum No. 20-034 - Page 41 of 54](#)]
- D. Discussion Regarding the Implementation of Supplemental Water Rates Charged by the San Gorgonio Pass Water Agency [[Workshop Memorandum No. 20-035 - Page 45 of 54](#)]

IX. Board Reports & Director Comments

X. Announcements

- A. February 4, 2020 at 6:00 p.m. - Board Meeting
- B. February 11, 2020 at 4:00 p.m. - Board Workshop
- C. February 18, 2020 at 6:00 p.m. - Board Meeting
- D. February 25, 2020 at 4:00 p.m. - Board Workshop
- E. March 3, 2020 at 6:00 p.m. - Board Meeting
- F. March 10, 2020 at 4:00 p.m. - Board Workshop
- G. March 17, 2020 at 6:00 p.m. - Board Meeting
- H. March 31, 2020 at 4:00 p.m. - Board Workshop
- I. April 7, 2020 at 6:00 p.m. - Board Meeting
- J. April 14, 2020 at 4:00 p.m. - Board Workshop
- K. April 21, 2020 at 6:00 p.m. - Board Meeting
- L. April 28, 2020 at 4:00 p.m. - Board Workshop
- M. May 5, 2020 at 6:00 p.m. - Board Meeting
- N. May 12, 2020 at 4:00 p.m. - Board Workshop
- O. May 19, 2020 at 6:00 p.m. - Board Meeting
- P. May 26, 2020 at 4:00 p.m. - Board Workshop
- Q. June 2, 2020 at 6:00 p.m. - Board Meeting
- R. June 9, 2020 at 4:00 p.m. - Board Workshop
- S. June 16, 2020 at 6:00 p.m. - Board Meeting
- T. June 30, 2020 at 4:00 p.m. - Board Workshop

XI. Closed Session

- A. Conference with Real Property Negotiator(s) - Government Code 54956.8
Property: Assessor's Parcel Number: 0319-121-38
Agency Negotiator: Joseph Zoba, General Manager
Negotiating Parties: Harry Holdorff
Under Negotiation: Terms of Payment and Price
- B. Conference with Real Property Negotiator(s) - Government Code 54956.8
Property: Assessor's Parcel Number: 0319-121-63
Agency Negotiator: Joseph Zoba, General Manager
Negotiating Parties: Emmet Conlon
Under Negotiation: Terms of Payment and Price
- C. Conference with Legal Counsel - Anticipated Litigation (Government Code 54956.9) -
Three Cases

XII. Adjournment

Staff Report



Yucaipa Valley Water District

Discussion Items



Yucaipa Valley Water District



Date: January 28, 2020

From: Joseph Zoba, General Manager

Subject: Consideration of Resolution No. 2020-05 Supporting the Yucaipa-Calimesa Joint Unified School District's Great Kindness Challenge

The Yucaipa Valley Water District works closely with the Yucaipa-Calimesa Joint Unified School District for several programs and events such as educational tours, career day, and the solar boat challenge event. As a close partner, both agencies have an opportunity to have direct and routine contact with students, parents and teachers.

The District has been asked to support the Yucaipa-Calimesa Joint Unified School District with the Great Kindness Challenge that will stress the importance of thoughtfulness and kindness. This program will be introduced to students and families during the week of January 27th.

RESOLUTION NO. 2020-05**A RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT
SUPPORTING THE YUCAIPA-CALIMESA JOINT UNIFIED SCHOOL DISTRICT'S
GREAT KINDNESS CHALLENGE**

WHEREAS, the Yucaipa Valley Water District coordinates, supports, and partners with the Yucaipa-Calimesa Joint Unified School District for several educational programs and events; and

WHEREAS, the Yucaipa-Calimesa Joint Unified School District has joined the Great Kindness Challenge as a proactive and positive effort to increase student engagement towards compassion, thoughtfulness, and respect of others; and

WHEREAS, as an active partner working with the Yucaipa-Calimesa Joint Unified School District in our community, the Yucaipa Valley Water District supports these fundamental values in our work and interaction with others.

NOW, THEREFORE, the Yucaipa Valley Water District hereby resolves to support the Yucaipa-Calimesa Joint Unified School District as a partner in educational programs, events, and we hereby specifically support the Yucaipa-Calimesa Joint Unified School District in the Great Kindness Challenge.

PASSED, APPROVED and ADOPTED this 28th day of January 2020.

YUCAIPA VALLEY WATER DISTRICT

ATTEST:

Chris Mann, President Board of Directors

Joseph B. Zoba, General Manager

Strategic Planning



Yucaipa Valley Water District



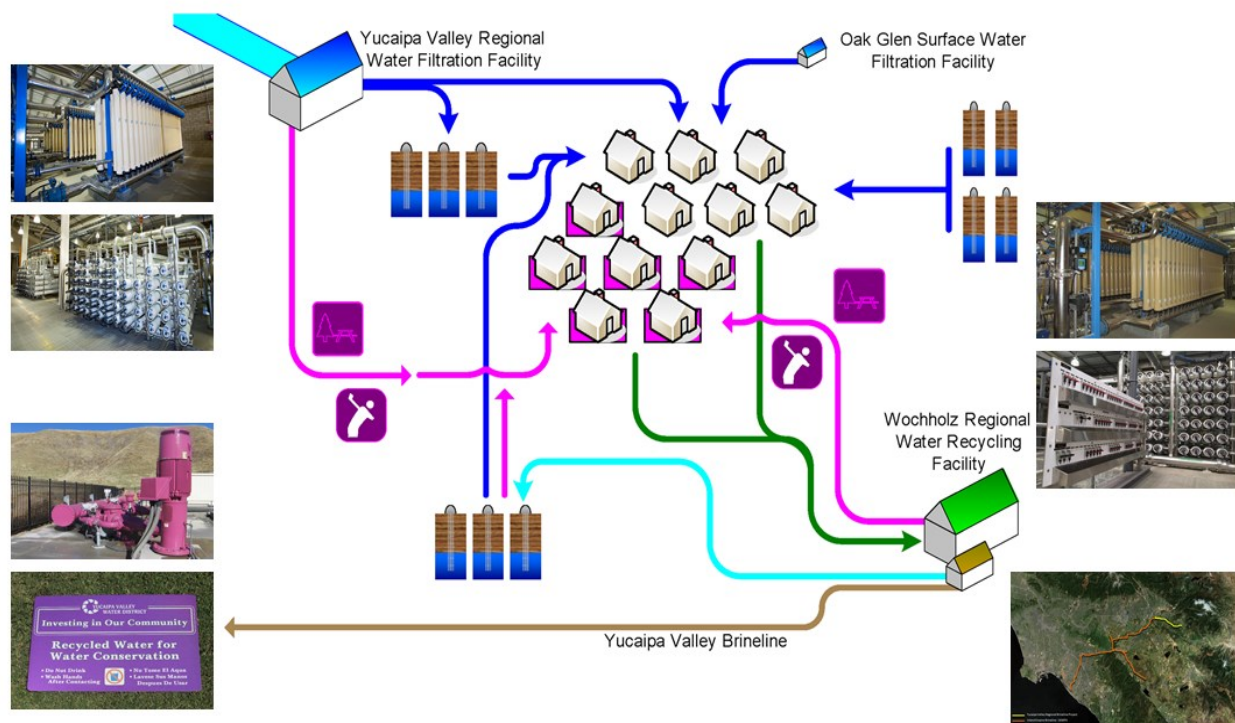
Date: January 28, 2020

From: Joseph Zoba, General Manager

Subject: Discussion Regarding the Setting of Strategic Planning Goals for 2020

Over the past several decades, the Yucaipa Valley Water District has embarked on a series of capital improvement projects that have created integrated systems of drinking water, recycled water, sewer treatment, and brine disposal facilities. The integration of these facilities has set the Yucaipa Valley Water District on a path to provide exceptionally pure and renewable water resources.

Sustainable and Integrated Infrastructure Concepts



In preparation for the next decade of projects, the Board of Directors of the Yucaipa Valley Water District embarked on a strategic planning process that set priorities for future capital improvement projects and related programs that result in additional supplies of high quality water for future use within our community making the District more sustainable and resilient.

Yucaipa Valley Water District

Draft 2020 Strategic Planning Priorities

- **Monitoring Operations and Reporting Enhancements** - On September 4, 2018, the Board of Directors authorized the initiation of the Monitoring Operations and Reporting Enhancement (MORE) Project. This project monitors and records the operational status of the advanced treated water produced from the Wochholz Regional Water Recycling Facility for the development of specific scientific studies. The primary elements of the MORE project include:
 - The production and publication of Contaminants of Emerging Concerns (CEC);
 - The publication of reverse osmosis removal test results;
 - The continuous operation of microfiltration and reverse osmosis processes under drinking water compliance standards;
 - The initiation of additional microfiltration and reverse osmosis virus removal studies; and
 - The demonstration of reverse osmosis reliability through automated conductivity profiling.
- **Indirect Potable Reuse** - Plan and evaluate the opportunities and constraints related to implementation of indirect potable reuse to produce additional drinking water supplies. This strategic goal will involve the recharge of recycled water at the Wilson Creek Spreading Basins. The goal for 2020 will be to complete the tracer study and submit the Report of Findings.
- **Calimesa Lake and Aquifer Storage and Recovery (ASR) Facilities** - The Calimesa Aquifer Storage and Recovery Program has been in development to utilize the groundwater basin for the additional storage and extraction of recycled water and drinking water. This project will involve the construction of a lake and groundwater injection facilities in the Beaumont Basin to maximize the operational efficiency of groundwater resources within the Calimesa portion of the District's service area. The goal for 2020 will be to complete the preliminary design, environmental review, and cost estimate for the various phases of the project.
- **Public Relations and Outreach** - Plan and implement a program to gain and enhance the District's presence involving:
 - Social media;
 - Website refresh and upgrades;
 - Video clips;
 - Summary of the District's operations;
 - Historical information; and
 - Regular press releases to inform the public about District projects.
- **Energy Efficiency Improvements** - Plan and evaluate the opportunities and constraints related to implementation of solar, microturbines, biogas, and other technologies to stabilize energy expenses. This strategic goal will also involve the investigation of innovative technologies and programs to become more energy efficient. The goal for 2020 is to: (1) develop a site plan and a financial proforma for the installation of solar equipment and battery backup at the Yucaipa Valley Regional Water Filtration Facility; (2) develop a site plan and a financial proforma for the installation of solar equipment and battery backup at the Wochholz Regional Water Recycling Facility. and the Wochholz Regional Water

Recycling Facility; and (3) evaluate the feasibility of a renewable natural gas (RNG) project at the Wochholz Regional Water Recycling Facility.

- **Septic Tank Elimination Program** - The implementation of a Septic Tank Elimination Program will provide a mechanism for customers to eliminate their septic system to protect groundwater quality for the future. The goal for 2020 is the complete the agreements associated with the Septic Tank Elimination Program and determine the location of future sewer mainlines.
- **Advanced Metering Infrastructure** - The District has completed the installation of about half of the Advanced Metering Infrastructure (AMI) throughout the District. The goal for 2020 is to achieve 85% completion of the AMI Project.

The purpose of this agenda item is to begin the discussion of goals for calendar year 2020 and to add other strategic elements for the District staff to pursue.

Operational Updates



Yucaipa Valley Water District



Date: January 28, 2020

From: Mike Kostelecky, Operations Manager

Subject: Status Report on the Inspection and Cleaning of District Reservoirs and Other Water Storage Facilities



On December 18, 2018, the Board of Directors authorized the General Manager to execute a contract with Inland Potable Services for reservoir inspection and cleaning services for three years [Director Memorandum No. 18-158].

The first year of scheduled cleanings were completed January 22, 2019 through March 8, 2019. This year, the cleanings and inspections began January 13, 2020 and are anticipated to be completed the week of February 10, 2020.

The purpose of this workshop item is to discuss the current status of the cleaning and inspections.

Yucaipa Valley Water District - Overall Reservoir Cleaning and Inspection Schedule													
Reservoir Number	Diameter (feet)	Height (feet)	Storage Capacity (gallons)	Reservoir Hatch Size	Reservoir Structural Material	Water Type	Discharge Arrangement	Last Cleaned	Reservoir Cleaning and Inspection Schedule			CMMS Site ID	
11.1	95	31.5	1,700,000	36" x 36"	Steel	Drinking Water	Storm Drain	Dec-15	Year One	Year Two- 1/13/2020	Year Three	65-1239	
11.2	108	24	1,500,000	24" x 36"	Steel	Drinking Water	Storm Drain	Dec-14	Year One	Year Two- 1/14/2020	Year Three	65-1644	
12.1	130	30	3,000,000	36" x 36"	Steel	Drinking Water	Storm Drain	Dec-15	Year One	Year Two- 1/15/2020	Year Three	65-1241	
12.2	120	24	2,000,000	36" round	Steel	Drinking Water	Storm Drain	Dec-14	Year One	Year Two- 1/16/2020	Year Three	65-1256	
12.4	186	35	6,000,000	42" x 42"	Concrete	Drinking Water	Storm Drain		Year One	Year Two	Year Three	65-18754	
13.1	206	25	6,000,000	36" x 36"	Concrete	Drinking Water	Storm Drain	Dec-14	Year One	Year Two - SKIP	Year Three	65-1082	
13.2	93	32	1,600,000	24" x 36"	Steel	Drinking Water	Storm Drain	May-13	Year One	Year Two- 1/21/2020	Year Three	65-1240	
13.3	120	24	2,000,000	24" x 36"	Steel	Drinking Water	On-Site Pond	Dec-15	Year One- 1/22/2019	Year Two	Year Three	65-1257	
14.2	120	23.5	2,000,000	24" x 24"	Steel	Drinking Water	Ground	Dec-15	Year One- 1/23/2019	Year Two	Year Three	65-1669	
15.1	151	32	4,000,000	36" x 36"	Steel	Drinking Water	Storm Drain	Dec-14	Year One	Year Two- 1/22-23/2020	Year Three	65-1238	
15.2	120	24	2,000,000	24" x 36"	Steel	Drinking Water	Ground	Dec-14	Year One- 1/24/2019	Year Two	Year Three	65-1649	
15.3	104	23.5	1,500,000	36" x 36"	Steel	Drinking Water	Ground	Dec-15	Year One- 1/25/2019	Year Two	Year Three	65-1264	
16.2	40	22.5	210,000	18" round	Steel	Drinking Water	Ground	Nov-15	Year One	Year Two	Year Three	65-1271	
16.5	109	14.5	1,000,000	36" x 36"	Steel	Drinking Water	Ground	Nov-15	Year One- 1/28/2019	Year Two	Year Three	65-1512	
16.6	38	24	210,000	18" round	Steel	Drinking Water	Ground	Dec-14	Year One	Year Two	Year Three	65-1650	
17.2	94	31	1,600,000	20" x 38"	Steel	Drinking Water	Ground	Dec-14	Year One	Year Two- 1/17/2020**	Year Three - SKIP	65-1269	
17.4	57	31.5	600,000	24" round	Steel	Drinking Water	Ground	Dec-15	Year One- 1/28/2019	Year Two	Year Three	65-1479	
18.3	40	16	150,000	24" x 24"	Steel	Drinking Water	Ground	Dec-14	Year One- 1/29/2019	Year Two	Year Three	65-1513	
18.4	65.5	30	750,000	36" x 36"	Steel	Drinking Water	Ground	Dec-15	Year One- 1/29/2019	Year Two	Year Three	65-8983	
20.2	68	16	430,000	18" x 18"	Steel	Drinking Water	Ground	Dec-14	Year One	Year Two	Year Three	65-1670	
22.1	48	16	210,000	18" round	Steel	Drinking Water	Ground	Dec-14	Year One	Year Two	Year Three	65-1671	
17.1.1	38	24	420,000	19" round	Steel	Drinking Water	Ground	Dec-14	Year One	Year Two- 1/24/2020	Year Three	65-5164	
17.1.2	38	24	420,000	19" round	Steel	Drinking Water	Ground	Dec-14	Year One	Year Two- 1/24/2020	Year Three	65-5165	
17.5.1	22	16	90,000	24" round	Steel	Drinking Water	Ground	Dec-14	Year One	Year Two	Year Three	65-1272	
17.5.2	22	16	90,000	24" round	Steel	Drinking Water	Ground	Dec-14	Year One	Year Two	Year Three	65-18755	
19.1.1	22	16	45,000	19" round	Steel	Drinking Water	On-Site Pond	Nov-15	Year One	Year Two	Year Three	65-3937	
19.1.2	34	24	160,000	19" round	Steel	Drinking Water	On-Site Pond	Nov-15	Year One	Year Two	Year Three	65-8984	
FSS-Main	42/48/12	42/48/12	184,000	36" x 36"	Concrete	Non-Potable Water	Storm Drain	Dec-15	Year One- 1/30/2019	Year Two - SKIP	Year Three		
FSS-NPWR Feed	33/5/10	33/5/10	14,000	36" x 36"	Concrete	Non-Potable Water	Storm Drain	Dec-15	Year One- 1/30/2019	Year Two - SKIP	Year Three		
FSS-Overflow	36/3/10	36/3/10	12,000	36" x 36"	Concrete	Non-Potable Water	Storm Drain	Dec-15	Year One- 1/30/2019	Year Two - SKIP	Year Three		
RWR-14.1	172	23	4,000,000	36" x 36"	Concrete	Recycled Water	Storm Drain	Dec-15	Year One- 2/1-12/2019	Year Two	Year Three	65-4259	
RWR-10.3.1	77	35	1,200,000	42" x 36"	Steel	Recycled Water	Storm Drain		Year One- 3/5/2019	Year Two	Year Three	65-18757	
RWR-10.3.2	77	35	1,200,000	42" x 36"	Steel	Recycled Water	Storm Drain		Year One- 3/1/2019	Year Two	Year Three	65-18758	
RWR-12.1	109	30	2,100,000	36" x 36"	Steel	Recycled Water	Storm Drain	Dec-15	Year One- 2/13-14/2019	Year Two	Year Three	65-2886	
RWR-8.1	155	26	4,000,000	36" x 36"	Concrete (above ground)	Recycled Water	Ground	Dec-15	Year One- 3/6-7/2019	Year Two	Year Three	65-18756	
Wochholz Regional Water Recycling Facility Wet Well	9'Wx16'D x85'L	9'Wx16'D x85'L	91,000	36" x 36"	Concrete	Non-Potable	On-Site Pond	Dec-15	Year One- 3/8/2019	Year Two	Year Three		
									2019	2020	2021		
										**Epoxy repair for leak in sidewall			



Date: January 28, 2020

From: Mike Kostelecky, Operations Manager

Subject: Status Report on the Annual Repair and Rehabilitation of the Yucaipa Valley Regional Water Filtration Facility

Each year District staff takes the Yucaipa Valley Regional Water Filtration Facility (YVRWFF) out of service to perform routine inspections and repairs of the facility. In some cases, this opportunity to inspect the facility has resulted in unexpected repairs that need to be completed promptly to prepare the drinking water facility for summertime operation.

The plant went offline on Wednesday, December 18, 2019 and is expected to go online Monday, February 3, 2020. The Department of Water Resources moved up the scheduled January shutdown of the influent State Water System due to necessary repairs.

On August 20, 2019, the Board of Directors approved the replacement of the Pall Microfiltration modules of the YVRWFF [Director Memorandum No. 19-080]. The modules were delivered on site on Thursday, November 21, 2019 and are currently staged inside the filtration room. Prior to the plant going back online in February, the modules will begin to be replaced and is expected to be completed by the end of February.

On September 3, 2019, the Board of Directors approved the replacement of the Influent Strainers at the YVRWFF [Director Memorandum No. 19-098]. Currently, this project is experiencing delays in procuring the necessary components to complete the installation prior to the anticipated startup. Further details are currently developing, and an update is forthcoming.

A new project has been pieced from the SCRAM project which is to eliminate the current MF backwash water plumbing that overcomes the basement flow drains and accumulates on the floor. This daily occurrence is etching the concrete and could damage the staircase. This can be rectified by replumbing the drain line directly to the NF CIP system resulting in direct flow to the CIP waste sump. An update on the scope of work is forthcoming.

An additional project is to replace the motors and pumps for both dissolved air floatation tanks. The original equipment is past its life expectancy and needs replacement. Staff is working with the vendor regarding the parts and installation. This will not hinder the plant going back online.

Each year the influent and effluent line alternates inspection for areas of concern. This year, the filtration facility 48" influent line was evaluated for corrosion on Wednesday, January 15, 2020. There does not appear to be any significant corrosion or areas of concern. District staff anticipates the formal report in approximately one month.

The purpose of this agenda item is to provide an update on the ongoing maintenance at the Yucaipa Valley Regional Water Filtration Facility.

YVRWFF 2020 Maintenance Task List

This SOP will serve as a check list to ensure that all required process equipment receives yearly maintenance when the plant is off-line during the annual plant shut down.

1. Perform CIP on each Micro rack the week prior to shut down. RM-12/16-18/2019
2. Preserve Micro filtration racks. RM-12/16-18/2019
3. Preserve Nano filtration trains. RM-12/11-12/2019
4. Close inlet valves at Auto strainers and power off local controls. DF-12/19/2019
5. Exercise all filtration facility valves.
6. Drain and wash down and grease DAF units 1 & 2. DF/MK 12/20/2019
7. Disassemble and inspect the DAF unit's air blending chamber float. DF 12/21/2019
8. Inspect the 48" MF feed line. HAE 1/15/2020
9. Drain and inspect the blending structure. -Ongoing
10. Inspect and/or repair chlorine storage and isolation valves
11. Inspect/annual maintenance on Kinne strainers.
12. Clean and inspect CIP waste sump. EC 1/15/2020
13. Pump septic lift station. Schedule with EC. EC 12/23/2019
14. MF Caustic tank – remove hatch, clean/inspect. DF/MH/DH 01/08/2020
15. MF Acid tank - remove hatch, clean/inspect. DF/MH/DH 01/08/2020
16. NF CIP tank - remove hatch, clean/inspect. DF/MH/DH 01/08/2020
17. Re-gel strap on flow meters in plant (Qversa).
18. Re-gel strap on meter at "Dog House." (Qversa)
19. Inspect MF caustic & acid basket strainers. DH/JA 10/07/2020
20. Service UPS systems. Odyssey 12/23/2019
21. Inspect CPE chemical injectors.
22. Flush bypass line around R13.1 (this is accomplished during start-up)
23. Clean air filtration systems for all VFD's. DF 12/22/2019
24. Inspect and upgrade chemical trench flex lines and close bulk tank valves. MH/MK 01/08/2020
25. Change cartridge filters on Nano filtration trains 1 & 2. DF/GR 01/02/2020
26. Tighten RF system nuts/bolts – Micro filtration. CG 01/15/2020
27. Grease zert fittings on all pumps throughout the plant. JA/DF 01/07/2020
28. Change oil in NF inter-stage booster pumps. DF/GR 01/02/2020
29. RF Basket Clean. DF 1/16/2020
30. RF Nipple/fitting inspection on air/vacuum valve(s), replace as needed. All good, RM 01/15/2020
31. Inspect chemical probes – replace fitting/bushings/adaptors as needed.
32. Inspect DAF pump check valves – rebuild/replace as needed. DF 12/21/2019
33. Install new Cla-Val for industrial feed water. MH/MK/JA 01/09/2020
34. Pull MF rack end caps prior to start up.
35. Tighten NF CIP feed pump coupling. GR 01/02/2020
36. Clean and inspect Backwash EQ sump. EC 12/23/2019
37. Clean and inspect DAF Effluent sump. EC 12/23/2019

*** Report and/or correct any deficiencies immediately

*** Log findings and any operational changes made in the plant logbook

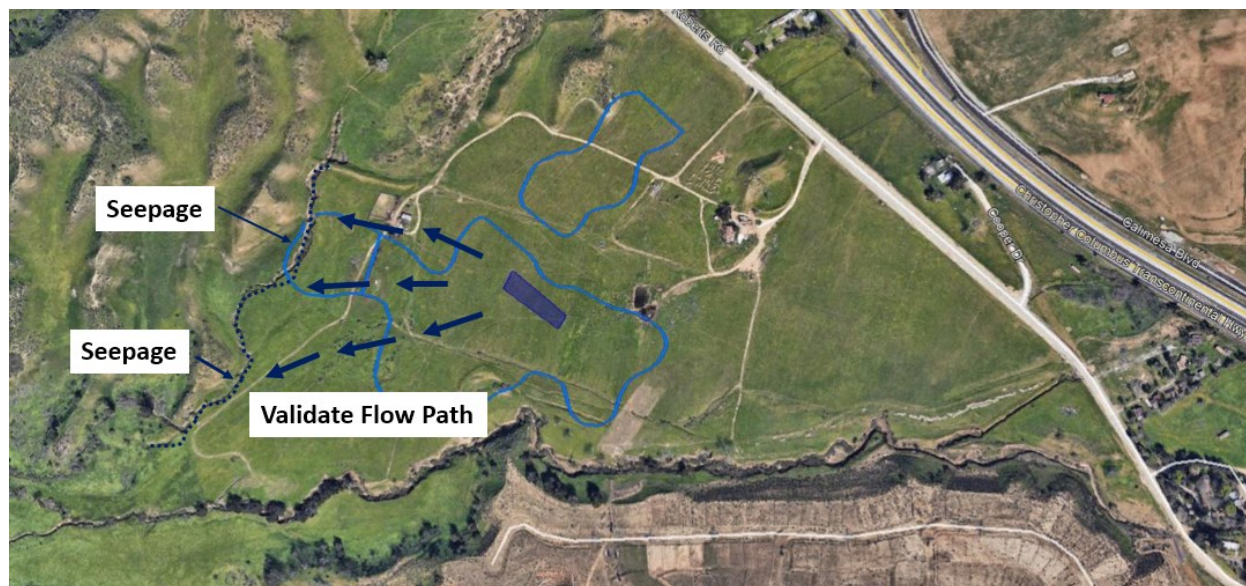
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Capital Improvement Projects



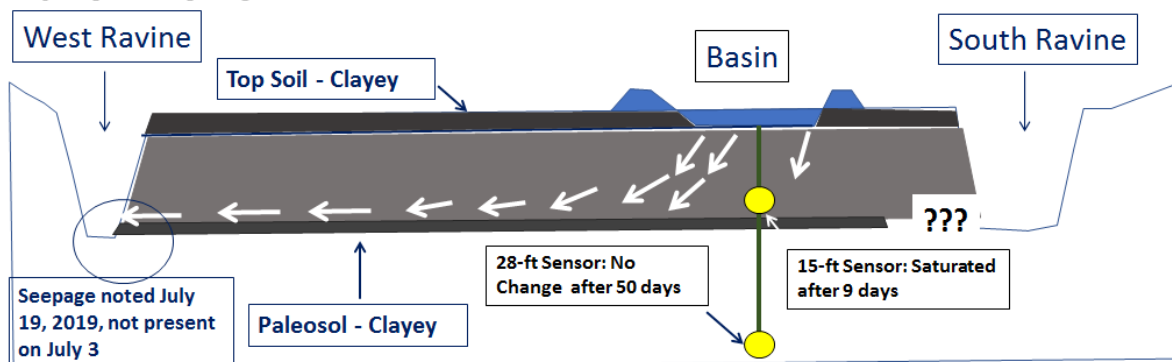
Yucaipa Valley Water District

Based on the results of this initial phase of the study, the infiltration testing showed the movement of groundwater in a westerly direction instead of traveling vertically to reach the groundwater basin.



The following illustration shows how it is possible for the recharge water to move laterally instead of vertically to the groundwater basin.

Hydrogeologic Conceptual Model Shallow Zone



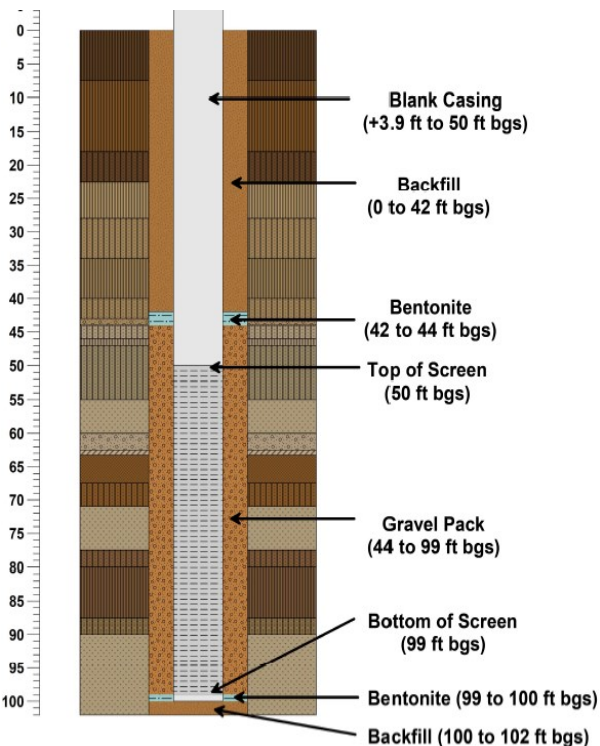
As a result of the initial testing, the District staff requested a proposal from Geoscience to conduct additional geological testing in the easterly portion of the groundwater basin. On September 3, 2019, the Board of Directors authorized Geoscience to proceed with additional tasks to further evaluate the long-term infiltration rates in the westerly portion of the Beaumont Basin [Director Memorandum No. 19-097].

The additional scientific study was developed to: (1) conduct additional exploratory drilling and testing; (2) perform additional infiltration testing; (3) prepare a groundwater model that will be used to support the recharge of recycled water at this location.

The Board of Directors requested that regular updates are provided to determine whether or not to continue with the proposed project. The District staff will add agenda items to future workshops and board meetings in order to provide weekly updates on the status of the project.

Permeameter Testing at EX-6

The District staff assisted with the installation of test wells to determine the injection rate at various sites in the area. Based on the construction of these 100' deep test wells, the District will be able to calculate an estimated recharge rate for several 400' deep permanent wells as part of the Calimesa Aquifer Storage and Recovery Project.



It is important to remember that the preliminary calculations from the 100' test wells can be estimated at 400', but instead of relying on estimated values the Board of Directors approved the construction of a 400' boring to validate the estimated injection rate. The modification to the original scope of work was approved by the Board of Directors on November 5, 2019 as Director Memorandum No. 19-125.

The Project has transitioned from a surface water recharge project to an Aquifer Storage and Recovery (ASR) Project, currently referred to as the Calimesa Aquifer Storage and Recovery Project. This project will still involve the construction of a lake but will also include 5-6 injection well sites throughout the study area.

Based on this new configuration, the District staff requested additional study work from the scientists at Geoscience. The purpose of this agenda item is to provide an update on the status of the investigation and to review the next steps.

Costs associated with this project are charged to Sewer Division Reserves 03-506-54109.



Date: January 28, 2020

From: John Wrobel, Public Works Manager

Subject: Status Report on the Paving Associated with the Wildwood Canyon Sewer Mainline Replacement Project

On June 18, 2019, the Board of Directors awarded a construction project to Borden Excavating for the construction of Wildwood Canyon Road Sewer Pipeline - Holmes Street, North of Wildwood Creek Basins [Director Memorandum No.19-067].

The sewer mainline project is complete and with a break in the winter weather the District staff will be paving portions of Wildwood Canyon Road that were impacted during the construction project.

The purpose of this workshop agenda item is to discuss the last phase of this project.





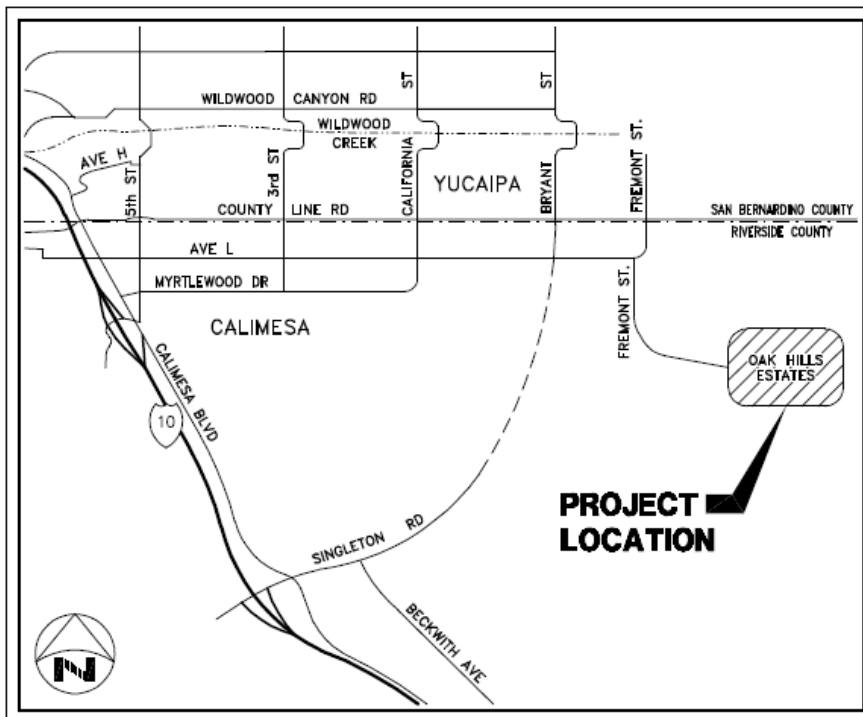
Date: January 28, 2020

From: Matthew Porras, Implementation Manager

Subject: Status Report of the Replacement of the Drinking Water Reservoir R-16.6 - Calimesa

The District owns and operates a drinking water storage facility [Asset ID: PW-R-13016.6] that was initially put into service in the early 1980's when the Oak Hills Estates residential area was developed. The R-16.6 reservoir serves drinking water to the 16.6 pressure zone within the residential area.

In the past few years of the reservoir's almost 40-year life, District staff has been observing and monitoring the deteriorating condition. Most recently, numerous leaks on the exterior walls of the tank have developed and have signaled the end of this assets useful life. The replacement of this tank is recommended before the condition becomes more severe.



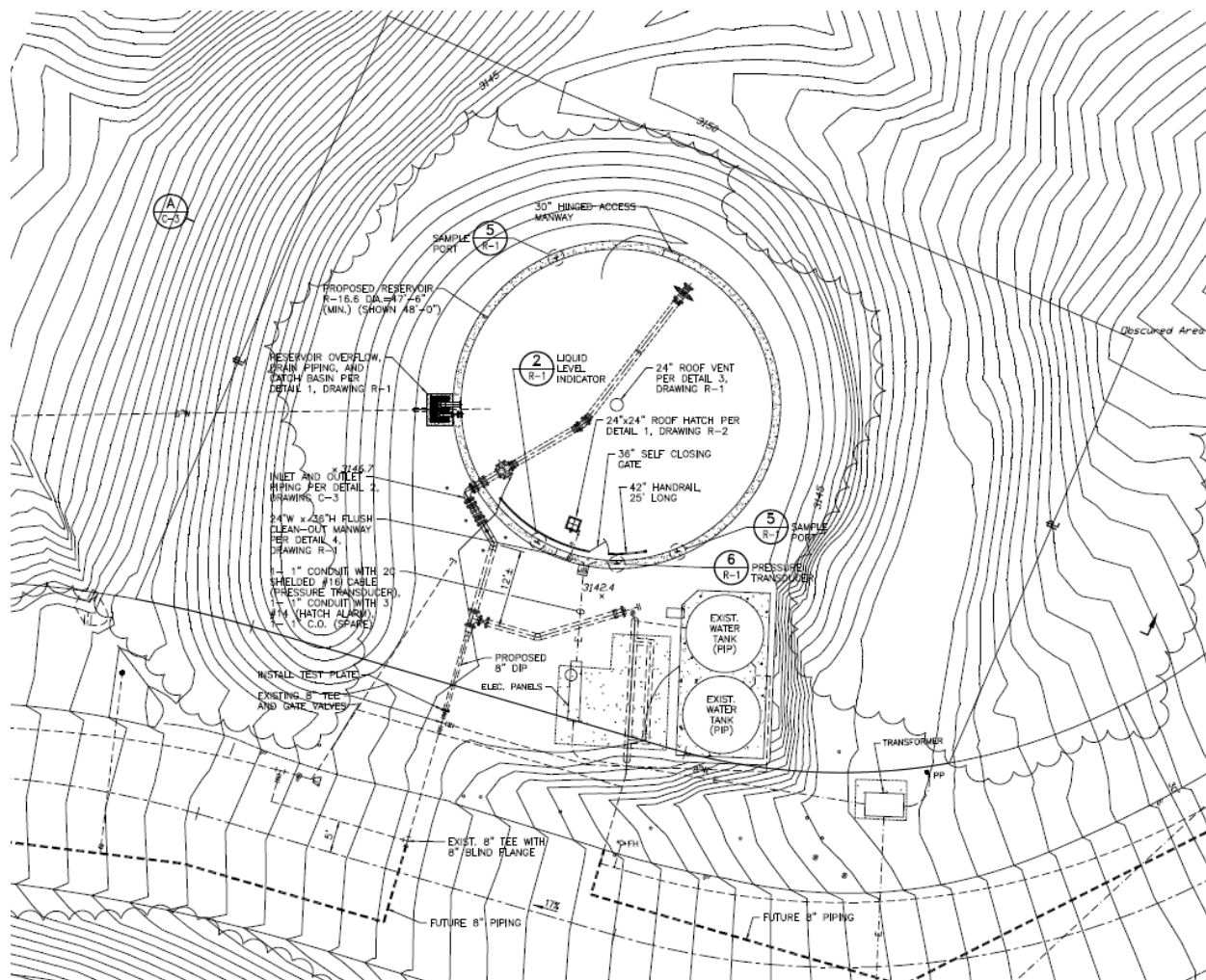
LOCATION MAP

NOT TO SCALE

On December 17, 2019, the Board of Directors awarded a contract to Superior Tank Company for the replacement of Drinking Water Reservoir R-16.6 for a sum not to exceed \$565,668 [Director Memorandum No. 19-138]. The new tank will comply with current seismic requirements with a concrete ring wall that will provide the tank a solid foundation and secure bolt down installation. Our current tank is 24 feet tall and 37 feet in diameter with approximately 195,000 gallons of useable capacity. Without extensive grading, the new tank can be increased in size to 32 feet tall and 47 feet wide. The additional height of the new tank would provide the freeboard needed to comply with updated construction standards and the additional width would provide the usable capacity of approximately 298,000 gallons, an increase of over 100,000 gallon capacity.

A geotechnical report has been completed to ensure the proposed tank is designed and constructed appropriately. The necessary environmental documents have been completed and filed with the State Clearing House (SCH Number 2019100374) on October 18, 2019 and the required 30 day time period has been fulfilled. District staff installed the temporary tanks and has made the necessary connections to the existing onsite piping. The temporary tank installation and operation are not included in the construction contract.

Recent progress on the project includes District staff testing the temporary tank system and finalizing the contract documents with Superior Tank Company.



This project will be paid for by the Water Fund, Facility Capacity Charge (FCC) Water Storage Reservoirs Account [G/L Account #02-000-10413]. This project was included in the CIP budget estimated for fiscal year 2021-22 but as a result of the urgency will be moved to the current fiscal year.

Administrative Items



Yucaipa Valley Water District



Date: January 28, 2020

Prepared By: Joseph Zoba, General Manager

Subject: Overview of the San Gorgonio Pass Regional Water Alliance

The San Gorgonio Pass Regional Water Alliance (Alliance) was created to enhance the cooperation and coordination between the water resource and land use agencies in the Pass area. The current members of the San Gorgonio Pass Regional Water Alliance include:

- City of Banning;
- Banning Heights Mutual Water Company;
- City of Beaumont;
- Beaumont Cherry Valley Water District;
- Cabazon Water District;
- City of Calimesa;
- High Valleys Water District;
- Mission Springs Water District;
- Morongo Band of Mission Indians;
- County of Riverside;
- San Gorgonio Pass Water Agency;
- South Mesa Mutual Water Company; and
- Yucaipa Valley Water District.

On February 5, 2014, the Board of Directors adopted Resolution No. 2014-03 that formalized our participation in the San Gorgonio Pass Regional Water Alliance. On August 5, 2015, the Board of Directors approved the latest version of the Memorandum of Understanding and approved a financial contribution of \$500 for Fiscal Year 2015-16.

At the board meeting on November 5, 2019, the Board of Directors requested this item to discuss the District's future role and involvement with the San Gorgonio Pass Regional Water Alliance.

The San Gorgonio Pass Regional Water Alliance held their most recent meeting on Wednesday, January 22, 2020. This agenda item was requested at the board workshop held on November 26, 2019 to discuss the recent Alliance meeting and to receive direction from the board members about future ideas to broaden the scope and outreach associated with the San Gorgonio Pass Regional Water Alliance.

RESOLUTION NO. 2014-03**RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT
ELECTING TO JOIN THE SAN GORGONIO REGIONAL WATER ALLIANCE**

Whereas, the Riverside County Board of Supervisors unanimously supported creation of the San Gorgonio Pass Regional Water Task Force comprised of every agency in the region involved with water supply, in order to identify challenges in water supply and water quality for the region, to develop mutually beneficial solutions that include coordinating plans and infrastructure development that ultimately delivers clean, reliable and affordable water supplies for the citizens of the San Gorgonio Pass area for the foreseeable future; and

Whereas, members of these agencies have been meeting together since May 2013 as a San Gorgonio Pass Regional Water Task Force for these purposes, and have agreed that a better understanding of the working relationships will be helpful to all involved; and,

Whereas, the San Gorgonio Pass Area local governments and water districts understand that regular coordination, collaboration, and communication will result in improved management of water resources at local and regional levels; and,

Whereas, the San Gorgonio Pass Regional Water Task Force (Task Force) members have developed a Memorandum of Understanding (MOU) to establish the mutual understandings of the members of this Task Force with respect to certain voluntary joint efforts toward regional coordination, collaboration, and communication of water resource projects and programs; and,

Whereas, the Task Force has proposed that those agencies that subscribe to the precepts of the MOU shall be called the San Gorgonio Regional Water Alliance (Alliance); and,

Whereas the goals of the Alliance are to improve coordination, collaboration, and communication among local government water purveyors in the San Gorgonio regional area, to achieve greater efficiency and effectiveness in delivering water supplies. Services are local control; and to develop and promote common water strategies that will, when implemented, fulfill the water demands of the regional area for the near future.

NOW, THEREFORE, BE IT HEREBY RESOLVED AND ORDERED, that the Board of Directors of the Yucaipa Valley Water District does hereby agree to participate in the Alliance as a supporter and advocate of fostering cooperation and coordination in the region.

PASSED, APPROVED and ADOPTED this 5th day of February 2014.

Memorandum of Understanding
San Gorgonio Pass Regional Water Alliance
A Coordination of Regional Water Providers

1. Background

The San Gorgonio Pass Area local governments and water districts understand that regular coordination, collaboration, and communication can result in improved management of water resources at local and regional levels. Water is a limited resource, and in May 2013, County Supervisor Marion Ashley appointed, with the approval of the entire County Board of Supervisors, a Pass Water Policy Panel. The Panel is made up of representatives in the San Gorgonio Pass Area. The Panel, known as the San Gorgonio Pass Regional Water Alliance ("SGPRWA") is to identify challenges in water supply and water quality for the region, to develop mutually beneficial solutions that include coordinating plans and infrastructure development that ultimately delivers clean, reliable, and affordable water supplies for the citizens of the San Gorgonio Pass area for the foreseeable future.

2. Purpose

The purpose of this Memorandum of Understanding (MOU) is to establish the mutual understandings of SGPRWA with respect to certain voluntary joint efforts towards regional coordination, collaboration, and communication of water resource programs.

3. Goals

The goals of the SGPRWA are:

- 3.1 To improve coordination, collaboration, and communication among local government water agencies in the San Gorgonio regional area, to achieve greater efficiency and effectiveness in delivering water supplies. Services are local control.
- 3.2 To develop and promote common water strategies that will, when implemented, fulfill the water demands of the regional area for the foreseeable future.

4. Definitions

- 4.1 San Gorgonio Pass Regional Water Alliance. Participating county, local governments, and water agencies in the San Gorgonio Regional area.
- 4.2 Signatories. The parties signing this MOU (Signatories) constitute the current participants.

5. Mutual Understandings

5.1 Alliance Agreements. Principal idea of non-binding collaborative is so that we do not overstate supplies in area. The collaborative is to share resources and opportunities that can benefit our area that we might not qualify for individually. Agreements of the Alliance members:

- 1) Water supply is a regional need

- 2) Affordable quality water is a regional need
- 3) We, the Alliance, are interested in obtaining affordable quality water supply for our individual districts
- 4) Regional collaboration allows for an opportunity for us to obtain #3 above

As we agree on these four points, we also agree to explore opportunity of an integrated water management plan for the area.

5.2 Participation. Participation is strictly voluntary and may be terminated at any time without recourse. San Geronio local governments and water agencies will be invited to become Signatories.

5.3 Activities. Efforts pursued under this agreement will remain consistent with and will not exceed the current authority for any individual participating local government and water agency. Efforts will include information dissemination and sharing between local governments, water agencies, public outreach, and education and other activities as mutually agreed upon from time to time among the Signatories.

5.3.1 It is anticipated that the Signatories will meet at least monthly with subcommittee meeting happening in between full Alliance meetings.

5.4 Funding. Individual Signatories are not required to commit funding to any other Signatory of the Alliance. Recognizing this is a voluntary, non-binding agreement, Signatories agree to commit such resources as are required to implement actions agreed upon per Section 5.4 herein within their individual service areas, subject to approval and direction of the governing bodies of each Signatory.

5.5 Decision Making. Consensus will be sought when the need for decisions arises. Decisions lacking consensus may be implemented by such individual Signatories that choose to do so, but said decisions may not be considered activities of the Alliance.

5.6 Non-binding Nature. This document and participation under this MOU are non-binding, and in no way suggest that a local municipal government or water agency may not continue its own activities as each government and water agency is expected to continue its own policies and procedures, and undertake efforts to secure project funding from any source. A local government or water agency may withdraw from participation at any time.

5.7 Termination. Signatories may terminate their involvement at any time with no recourse.

6. Signatories to the Memorandum of Understanding

We, the undersigned representatives of our respective governing bodies, acknowledge the above as our understanding of how the SGPRWA Coordination, Collaboration, and Communication MOU will be implemented.

This MOU will be revisited annually.

Signatures on the following page

Marion Ashley
County of Riverside
Supervisor, Fifth District

Deborah Franklin
City of Banning
Mayor

Lloyd White
City of Beaumont
Councilmember

Jeff Hewitt
City of Calimesa
Mayor Pro Tem

Alan Hamdorf
Banning Heights Mutual Water Co.
President

Ken Ross
Beaumont-Cherry Valley Water Dist.
Director, Division 5

Kerri Mariner
Cabazon Water District
Director

Ernest Wright
High Valleys Water district
President

Russ Martin
Mission Springs Water District
Chairman

Robert Martin
Morongo Band of Mission Indians
Tribal Council Member

Mary Ann Melleby
San Geronio Pass Water Agency
President

George Jorritsma
South Mesa Mutual Water Company
President

Tom Shalhoub
Yucaipa Valley Water District
Director



Date: January 28, 2020

From: Joseph B. Zoba, General Manager

Subject: Overview of a Revised Policy for Members of the Board of Directors Regarding Expense Reimbursement, Meeting Attendance, Compensation, and Benefits

Each year the District staff presents a resolution setting forth the policies related to board member reimbursement, meeting attendance, compensation, and benefits. Resolution 2019-07 was approved by the Board on February 5, 2019 [Director Memorandum No. 19-018]. There were no changes to the policy.

RESOLUTION NO 2020-xx**A RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT
ADOPTING A REVISED POLICY FOR MEMBERS OF THE
BOARD OF DIRECTORS REGARDING EXPENSE REIMBURSEMENT,
MEETING ATTENDANCE, COMPENSATION, BENEFITS AND OTHER ITEMS**

WHEREAS, the Yucaipa Valley Water District ("District") desires to ensure its customers, residents, employees, and those who conduct business with the District, that the District emphasizes values in public service, leadership, and decision-making by adopting these Guidelines; and

WHEREAS, in order to document the District's Board of Director's commitment to ethical behavior in performance of the District's business, the Board desires to adopt these Guidelines; and

WHEREAS, pursuant to Government Code section 53232.2, the Board of Directors adopted a written policy governing compensable activities and reimbursable expenses for travel, meals, lodging, and incidental expenses; and

WHEREAS, the Board of Directors desires to revise the policy.

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

Section 1: Adoption of Policy and Establishment of Procedures. The Board of Directors hereby adopts the Directors Compensation and Expense Reimbursement Policy, set forth as Exhibit "A", attached hereto and incorporated herein by reference.

Section 2: Rescission of Prior Resolution. Resolution No. 2019-07 is hereby repealed.

PASSED, APPROVED and ADOPTED this 4th day of February 2020.

YUCAIPA VALLEY WATER DISTRICT

Chris Mann, President Board of Directors

ATTEST:

Joseph B. Zoba, General Manager



Policy for Members of the Board of Directors Regarding Conduct of Directors, Expense Reimbursement, Meeting Attendance, Compensation, and Benefits

February 4, 2020

This Policy governs the code of conduct, and compensation/reimbursement of expenses for members of the Yucaipa Valley Water District's Board of Directors.

Section 1. Key Guiding Principles

Members of the Board of Directors ("Directors") are subject to the provisions of this Policy in addition to other District policies, state laws and regulations. Such laws govern but are not limited to: disclosure of personal economic interests, receipt of loans, gifts, travel payments and honoraria, campaign contributions, conflicts of interest, dual office-holding and incompatible offices, and criminal and civil misconduct in office. If a Director has a question regarding interpretation or compliance with this Policy, or state laws and regulations, the Director shall refer the matter to the General Manager who shall provide the Director with information or may refer the matter to Legal Counsel for further guidance.

While the laws are expansive, the core ethical requirements can be summarized as follows:

- Public office cannot be used for personal financial gain.
- Holding public office does not entitle anyone to personal advantage or benefits.
- The public's business must be conducted openly.
- Fair processes and merit-based decision-making create an environment of good governance and service to the public.

The purpose of this Code of Conduct is to: provide guidance for dealing with ethical issues; heighten awareness of ethics and values as critical elements in a Director's conduct; and improve ethical decision-making.

- Integrity. A Director must not place himself or herself under any financial or other obligation to any individual or organization that might reasonably be thought to influence the Director's performance of his or her duties.
- Leadership. A Director has a duty to promote and support the key principles by leadership and example and to maintain and strengthen the public's trust and confidence in the integrity of the District.
- Selflessness. A Director has a duty to make decisions solely in the public interest. A Director must not act in order to gain financial or other benefits for himself or herself, his



or her family, friends or business interests. This means making decisions because they benefit the District, not because they benefit the Director.

- D. Objectivity. A Director must make decisions solely on merit and in accordance with the Director's statutory obligations when carrying out public business.
- E. Accountability. A Director is accountable to the public for his or her decisions and actions.
- F. Transparency. A Director has a duty to be as open and transparent as possible about his or her decisions and actions and give reasons for decisions.
- G. Honesty. A Director has a duty to act honestly. A Director must declare any private interests relating to his or her public duties and take steps to resolve any conflicts arising in such a way that protects the public interest or recuse or disqualify himself or herself from taking any action which would constitute a conflict of interest.
- H. Respect. A Director must treat others with respect at all times and observe the rights of other people. A Director must treat fellow Directors, officials, staff, customers, and the public, with courtesy and civility.

Section 2. Conduct of Directors

- A. Ethics Training. Directors shall complete two (2) hours of state-mandated ethics training for local agency officials to meet the specific requirements of state law. State law also mandates two (2) hours of training within one (1) year of initially taking office.
- B. Relationship Between Board Members. Directors shall strive to work collaboratively and assist each other in conducting the affairs of the District. Directors shall function as a part of a whole. Directors should bring all issues to the attention of the Board as a whole, rather than to select individual Directors.
- C. Relationship with The Public and Other Public Agencies. Directors shall refer all complaints from customers, residents, and members of the public, to the General Manager. A Director shall not make representations or promises to any member of the public regarding the future action of the District or of the Board, unless such representation or promise has been duly authorized by the Board. When making public statements, a Director shall make it clear whether he or she is authorized to speak on behalf of the Board, or whether he or she is presenting their own views. When representing the Board, a Director's comments should reflect approved Board policies. In areas where no policy has yet been developed, the Director's comments shall make this fact clear.
- D. Presentation and Appearance to the Public. In order to present a positive image to the public, customers and residents, Directors should strive to maintain a professional appearance while performing their duties as Directors.
- E. Relationship with General Manager and Staff.
 - 1. The Board sets the policy of the District. The General Manager is responsible for implementing the policy as formulated by the Board. Directors shall not engage in actions which would constitute day-to-day management. The General Manager is

the highest-ranking nonelected officer of the District. The General Manager is appointed by and serves at the pleasure of the Board and performs such duties as may be imposed by the Board. Therefore, the Board will provide policy direction and instructions to the General Manager on matters within the authority of the Board by majority vote of the Board during a duly convened Board meeting. Directors will deal with matters within the authority of the General Manager through the General Manager, and not through other District employees.

2. A Director will not make requests directly to other District staff to undertake analyses, perform other work assignments, or change the priority of work assignments. A Director's contact with District staff should be kept to a minimum and should be made only when direct personal contact is required. A Director, when approached by District personnel concerning specific District policy, shall direct inquiries to the General Manager.
- F. Proper Use and Safeguarding of Property and Resources. A Director will not ask a District employee to perform services for the personal benefit or profit of a Director. Each Director must protect and properly use any District asset within his or her control. Directors will safeguard District property, equipment, monies, and assets against unauthorized use or removal, as well as from loss due to criminal act or breach of trust. The District will not reimburse the traveling and incidental expenses incurred by or for the spouse of a Director who attends a conference, tour or event on official District business (See 75 Ops. Cal. Atty. Gen. 20).
- G. Use of Confidential Information. Under the Brown Act, all meetings of the Board are open to the public except as prescribed by law. The Brown Act sets forth provisions that require public officials to maintain the confidentiality of certain information disclosed or discussed in a duly convened closed session. A Director is not authorized, without the approval of the Board, to disclose information that qualifies as confidential information under the applicable provisions of law to a person not authorized to receive it, that: (i) has been received for, or during, a closed session meeting of the Board; (ii) is protected from disclosure under the attorney-client or other evidentiary privilege; or (iii) is not required to be disclosed under the California Public Records Act. A Director shall not waive the attorney-client privilege of the District by disclosing the legal opinions or advice of Legal Counsel to a third party.
- H. Information Requests. A Director shall request all publicly available documents through the General Manager. All requested public documents shall be provided to the Director making the request within a reasonable period of time. All other Directors will be notified of the requests and said documents shall be made available to them upon request. A Director shall not request copies of documents for the use of any member of the public in order to avoid the payment of copy fees outlined in the Public Records Act.

Section 3. Compensable Activities

- A. Meetings. Each member of the Board of Directors shall be entitled to per diem compensation for attendance at the following meetings such that the total number of compensable days in any calendar month for all meetings attended by a Board member shall not exceed ten (10) calendar days per month as set forth in the District's Ordinance No. 53-2007:



1. Each regular meeting, special meeting, facility tour, ceremonial event, or public training session scheduled and sponsored by the Yucaipa Valley Water District;
 2. Each District ad hoc committee, and committee on which the Director serves or has been duly appointed;
 3. Each publicly noticed meeting or ceremonial event of a governmental board;
 4. Each noticed meeting of a mutual water company within the boundary of the District;
 5. Attendance at an association or organization (such as ASBCSD, CSDA, ACWA, and CASA) related to the drinking water, recycled water, sewer, brine disposal services provided by the District;
 6. Each meeting or hearing of any joint powers authority which the District is a member or the subject matter pertains to the District's services;
 7. A chamber of commerce meeting within the District service area;
 8. An economic development, business, or building industry meeting open to the public;
 9. Each local, state or federal agency or any board, commission, committee or department thereof;
 10. Each tour, field trip, or informal business meeting with or without District staff in the performance of the official duties of the Board of Directors; and
 11. Meetings of agencies, nonprofit organizations, or service clubs when the Director or District staff is scheduled to make a presentation on behalf of the District
- B. Required Training. Each Director shall be entitled to compensation for attendance at the ethics training required by Government Code Section 53235 and the sexual harassment training and education required by Government Code Section 12950.1.
- C. Other Activities. Compensation for attending other meetings or activities shall be determined in advance by the Board of Directors based on activities that provide a benefit to the District. Benefits include, but are not necessarily limited to, the acquisition of information, education, training, and skills that will further the District's ability to protect public health and the environment by providing effective drinking water, recycled water, wastewater treatment, and brine disposal service. Other benefits include positive changes to federal and state statutes and regulations that govern the District, and maintenance of positive relations with the public and other governmental agencies.
1. On a case-by-case basis and by a majority vote of the Board of Directors, a Director may receive compensation for attendance at the following activities:
 - a. Meetings with representatives of local, regional, state, or national government on issues affecting the District; and
 - b. Meetings, conferences, and seminars sponsored by the California Association of Sanitation Agencies, Western Coalition of Arid States, Association of California Water Agencies, or the California Special Districts Association, or other organization.
 - c. Other activities that the Board of Directors believe achieve the benefits identified in Section 4.C.
- D. In no event shall a Director receive compensation for more than one meeting or other activity on the same day. A Director shall only receive one day of compensation regardless of the number of meetings that District attended on any particular day.



- E. Non-Compensable Activities. Board members shall not receive compensation for the following activities:
1. Attendance at meetings of service clubs, except as described in Section 3.A.11. above;
 2. District sponsored employee events that include, but are not limited to, employee luncheons and retirement events;
 3. Parades, festivals, holiday events, or retirement dinners;
 4. Meetings with existing or potential contractors, vendors, or consultants;
 5. Meetings of partisan political organizations;
 6. Meetings, tours, and similar events conducted at the request of the Board member;
 7. Any activity not described in Section 3.A., 3.B., or 3.C. above.

Section 4. Reimbursement of Directors' Expenses

- A. Approved Activities. In accordance with the terms of this Policy, the District will reimburse Directors for certain expenses incurred in connection with the compensable activities described above in Section 3.
- B. Transportation. In travelling to and from events, Directors must use the most economical form of transportation that is reasonably consistent with the Director's travel and scheduling requirements.

1. Mileage for Personal Vehicles.

The District will reimburse Directors for use of personal vehicles based on actual miles traveled at the then-current "standard mileage rate" adopted by the U.S. Internal Revenue Service for use in deducting the cost of operating an automobile for business purposes. The District will not reimburse Directors for any other personal vehicle expenses.

When calculating mileage traveled by a Director to attend an event, the District will use the lesser of (1) the distance from the District's administrative headquarters to the event, and (2) the actual distance traveled. Mileage reimbursements shall not exceed the cost of the lowest available airfare.

2. Other Transportation Expenses.

When travel by personal vehicle is impractical, the District will reimburse Directors for the actual cost of (1) regularly-scheduled travel by airplane, train, bus, or other commercial carrier, (2) rental cars, and (3) taxis and other comparably-priced for-hire vehicles. The District will also reimburse Directors for related necessary travel expenses such as baggage fees, toll charges, and parking fees.

Before deciding to travel by air, each Director must consider the total cost of alternatives, including the cost of ground transportation and any necessary lodging. Each Director should also consider alternative departure times, departure and arrival airports, dates, departure times, and stopovers to minimize airfare. Directors should request travel arrangements as early as possible to take advantage of lower airfares.



The District will only reimburse Directors for air travel in coach class. Directors must use their personal cars to travel to and from the airport, and utilize long-term airport parking, rather than pay for a taxi or other transportation to and from the airport.

C. Lodging. The District will reimburse Directors for actual and necessary lodging expenses incurred in attending a conference, seminar, or meeting.

1. Directors must take advantage of any government rate or group rate for lodging whenever possible. If there is no government or group rate, the District will reimburse Directors for lodging up to the per diem rate used by the U.S. Internal Revenue Service as the maximum allowable deduction for business-related lodging expenses. The per diem rates are set by the General Service Administration ("GSA") for federal employees. The rates are set forth at [GSA.gov/per diem](https://www.gsa.gov/perdiem).
2. Lodging in connection with an activity that lasts only one day is considered "necessary" when the travel time to and from the activity exceeds two hours.

D. Meals. The District will reimburse Directors for actual and necessary dining expenses incurred while attending:

1. A conference, seminar, or meeting outside of the District, or
2. A District-related business meeting within the District.

The District will reimburse Directors up to the applicable GSA per diem rate for each separate meal set forth at [GSA.gov/per diem](https://www.gsa.gov/perdiem).

E. Incidentals. The District will reimburse Directors for actual and necessary incidental expenses incurred while attending a conference, seminar, or meeting outside the District, up to the applicable GSA per diem rate set forth at [GSA.gov/per diem](https://www.gsa.gov/perdiem). Reimbursable expenses include tips given to drivers, porters, bellhops, baggage carriers, and hotel housekeepers.

F. Travel Arrangements. Each Director must utilize District staff to arrange all travel, lodging, and event registrations. The General Manager shall designate a District employee responsible for making these arrangements.

G. Expenses That Are Not Reimbursable. The District will not reimburse Directors for the costs of:

1. Barber and/or beauty shop services;
2. Fines for traffic or parking violations;
3. Any person accompanying a Director on a District-approved trip or event;
4. Personal telephone calls;
5. Fitness/health/spa facility use;
6. Massages;
7. Alcoholic beverages;
8. Entertainment (movies, sporting events, etc.); or
9. Vehicle expenses other than the standard mileage charge.



- H. Reimbursement Procedure. Each Director seeking reimbursement must file an expense report no later than three weeks after the conclusion of the compensable activity. The report shall attach detailed, actual receipts for all expenses. The report shall document that each expense meets the requirements for reimbursement set forth in this policy. Without limiting the foregoing, each report shall identify the compensable activity and the date, nature, and purpose of each expense for which reimbursement is sought. For reimbursement of a personal vehicle expense at the standard mileage rate, the expense report shall identify the date of the travel, the actual miles traveled, and the business purpose of the travel. The General Manager shall prepare a standard form of expense report for use by Directors in seeking reimbursement.
- I. Board Reports. Each Director seeking reimbursement of expenses incurred in connection with an activity shall provide a brief report of the activity at the next regular meeting of the Board of Directors.
- J. Other Expenses. Any expense that does not meet the requirements of this policy may be reimbursed only if the Board of Directors approves the expense at a public meeting before the expense is incurred.
- K. Penalties. Any Director that misuses public resources or falsifies an expense report required by this policy is subject to the following penalties:
1. Exclusion from closed sessions during directly related discussions of legal action;
 2. Loss of reimbursement privileges;
 3. Restitution of the District;
 4. Civil penalties for misuse of public resources pursuant to Government Code Section 8314; and/or
 5. Prosecution for misuse of public resources pursuant to Penal Code Section 424.

Section 5. Medical Benefits

- A. Medical Benefits. The District shall provide compensation for medical benefits to a member of the Board of Directors equal to a single employee in the Management-Exempt Bargaining Group during their tenure as a board member. No medical benefit(s) shall be provided to spouses or other family members of the board member. Any monetary amount of medical benefit that is unused, may be paid to the board member as either cash or a contribution to a deferred compensation account at the sole discretion of the board member.

Section 6. Communications by Board Members

- A. Opinion Statements, Editorials, and Letters to the Editor. In a manner similar to any other public member, the Board of Directors may submit opinion statements, editorials, and letters to the editor of newspapers to present an opinion on an issue. Board members should be mindful that their individual opinion may not necessarily represent the opinions



of other board members. Therefore, specific language should be inserted within the written piece to reflect the sole opinion and the signature should reference the board member by division.

- B. Board Member Contact with the Public. The District staff will not provide personal contact information of board members to the public. When a customer requests to speak to a board member, the District staff will record the name and contact information of the customer and relay the information to the board member. An email address provided by board members will be added to the District website at the board member request.





Date: January 28, 2020

From: Joseph Zoba, General Manager

Subject: Discussion Regarding a Change in Compensation Paid to Members of the Board of Directors and a Possible Adjustment to the Compensation Paid per Meeting Day

Pursuant to governing ordinances and resolutions, the Board of Directors is requested to make a decision regarding the rate of compensation received by board members for attending District meetings and functions. Based on the reimbursement and compensation policy, the Board has two alternatives to address the rate of compensation.

Alternative 1 – No Director Fee Increase. Attached is Resolution No. 2020-06 which, if adopted by the Board of Directors, would maintain the rate of compensation paid to board members at the current rate of \$154.94 per day for each day's attendance at meetings as defined in Section 1(d) of Ordinance No. 53-2007. This daily rate is not to exceed ten days per month.

Alternative 2 – Automatic Director Fee Increase. By not taking action (procedurally this is accomplished by no motion for action being made at the board meeting, or by Resolution No. 2020-06 failing to be approved), then provision in Section 2 of Ordinance No. 53-2007 will apply which states, "...each calendar year following the adoption of this Ordinance, the compensation which may be received by members of the Board of Directors shall automatically be increased by 5% per calendar year beginning in January 2008, unless the Board of Directors by resolution elects not to receive an increase. Action by the Board of Directors to make such an election not to receive an increase in any one year will not affect the automatic increase the following calendar year". Therefore, by taking no action, compensation paid to board members will be increased from \$154.94 to \$162.69 per day for each day's attendance at meetings as defined in Section 1(d) of Ordinance No. 53-2007.

Financial Implications

Typically, board members charge the District less than ten meetings per month. However, based on attending ten meetings per month, the cost per board member at the current rate of \$154.94 per meeting-day is \$1,549.40 per board member per month, or \$18,592.80 per board member per year.

If the automatic increase takes effect, the current rate of \$154.94 would be increased to \$162.69 per day for each day's attendance at meetings. Based on attending ten meetings per month, the cost per board member at a rate of \$162.69 per meeting-day is \$1,626.90 per board member per month, or \$19,522.80 per board member per year. The maximum additional cost per year for all five board members would be \$4,650.

ORDINANCE NO. 53-2007**AN ORDINANCE OF THE YUCAIPA VALLEY WATER DISTRICT
UPDATING THE REIMBURSEMENT POLICY AND COMPENSATION PAID
TO MEMBERS OF THE BOARD OF DIRECTORS PER ASSEMBLY BILL 1234**

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

WHEREAS, by Resolution No. 3-1978 adopted on January 25, 1978, the Board of Directors authorized compensation to be paid to each Director of the Board of Directors for each day's attendance at meetings of the Board of Directors and for each day's service rendered as a Director at the request of the Board of Directors; and

WHEREAS, by minute action on June 23, 1982, consistent with Water Code, Section 30507, the Board of Directors increased that per day compensation to \$100.00 per day; and

WHEREAS, as authorized by Water Code, Sections 30507 and 71255 the District has previously authorized reimbursement to its Board members of their actual, necessary and reasonable expenses incurred in the performance of their official duties in attending Board meetings, committee meetings, workshops, educational special district workshops and related occurrences; and

WHEREAS, by Ordinance No. 51-2005 adopted on December 21, 2005, the Board of Directors increased the per day compensation for each of the Directors to \$105.00 per day and also updated the reimbursement and compensation policy consistent with AB 1234 enacted effective January 1, 2006; and

WHEREAS, the Board of Directors desires to increase the per day compensation by 5% to \$110.25 and to provide for automatic annual compensation increases of no more than 5% per year beginning in January of each year following the adoption of this Ordinance.

NOW, THEREFORE, BE IT ORDAINED by the Board of Directors of the Yucaipa Valley Water District, as follows:

Section 1. Definitions:

(a) "Day's attendance" shall mean attendance at any Meeting as defined in Section 1(d) below.

(b) "Day's service" shall mean service rendered by a Director without regard to the length of time of such service.

(c) "Expenses" shall mean those actual and necessary out-of-pocket expenses incurred by a Director incident to or arising from a day's attendance at meetings or a day's service rendered.

(d) "Meeting" shall mean a meeting of the Board of Directors, including Board workshops and Board-created Committee meetings, advisory body or a conference or

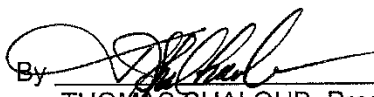
organized educational activity all of which are authorized "meetings" under Government Code, Section 53232.1(a), and any other meeting or occurrence authorized by a written resolution adopted by the Board of Directors in a public meeting.

Section 2. Compensation and Annual Increases: Each Director shall receive compensation in the amount of \$110.25 per day for each day's attendance at Meetings as defined in Section 1(d) above not to exceed a total of ten (10) days in any calendar month, together with any expenses authorized by a resolution establishing the policy for the reimbursement of such actual and necessary expenses incurred in the performance of the official duties of the Board of Directors. Each calendar year following the adoption of this Ordinance, the compensation which may be received by members of the Board of Directors shall automatically be increased by 5% per calendar year beginning in January 2008, unless the Board of Directors by resolution elects not to receive such an increase. Action by the Board of Directors to make such an election not to receive an increase in any one year will not affect the automatic increase the following calendar year.


Section 3. Effective Date: In accordance with Section 20204 of the Water Code, this Ordinance shall become effective sixty (60) days from the date of its passage. This Ordinance hereby supersedes Ordinance No. 51-2005.

Adopted and enacted this 21st day of March, 2007.

YUCAIPA VALLEY WATER DISTRICT

By 
THOMAS SHALOUB, President of the
Board of Directors

ATTESTED:


Secretary of the Board

RESOLUTION NO. 2020-06**RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT
ELECTING NOT TO INCREASE THE COMPENSATION
FOR THE BOARD OF DIRECTORS IN CALENDAR YEAR 2020**

WHEREAS, on March 21, 2007, the Board of Directors adopted Ordinance No. 53, 2007 which updated the reimbursement policy and compensation paid to members of the Board of Directors pursuant to Assembly Bill No. 1234; and

WHEREAS, each member of the Board of Directors is currently compensated at a rate of \$154.94 per day for each day's attendance at meetings as defined in Section 1(d) of Ordinance No. 53-2007.

NOW, THEREFORE, BE IT HEREBY RESOLVED AND ORDERED, that the Board of Directors of the Yucaipa Valley Water District does hereby determine that the rate of compensation shall remain at \$154.94 per day for each day's attendance at future meetings.

This Resolution shall become effective on the date below.

PASSED, APPROVED and ADOPTED this 4th day of February 2020.

YUCAIPA VALLEY WATER DISTRICT

ATTEST:

Chris Mann, President Board of Directors

Joseph B. Zoba, General Manager



Date: January 28, 2020
From: Joseph Zoba, General Manager
Subject: Discussion Regarding the Implementation of Supplemental Water Rates Charged by the San Gorgonio Pass Water Agency

On April 15, 2019, the San Gorgonio 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 will adjust 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.

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

Resolution No. 2020-01 will become effective on February 1, 2020. The District staff recommends presenting a resolution for your consideration that will use a SGPWA imported water rate of \$309/acre foot instead of \$399/acre foot until February 1, 2021. If the Board of Directors agree, a resolution will be drafted and presented at the next board meeting for your consideration.

Director Comments



Yucaipa Valley Water District



FACTS ABOUT THE YUCAIPA VALLEY WATER DISTRICT

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

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

Number of Employees: 5 elected board members
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

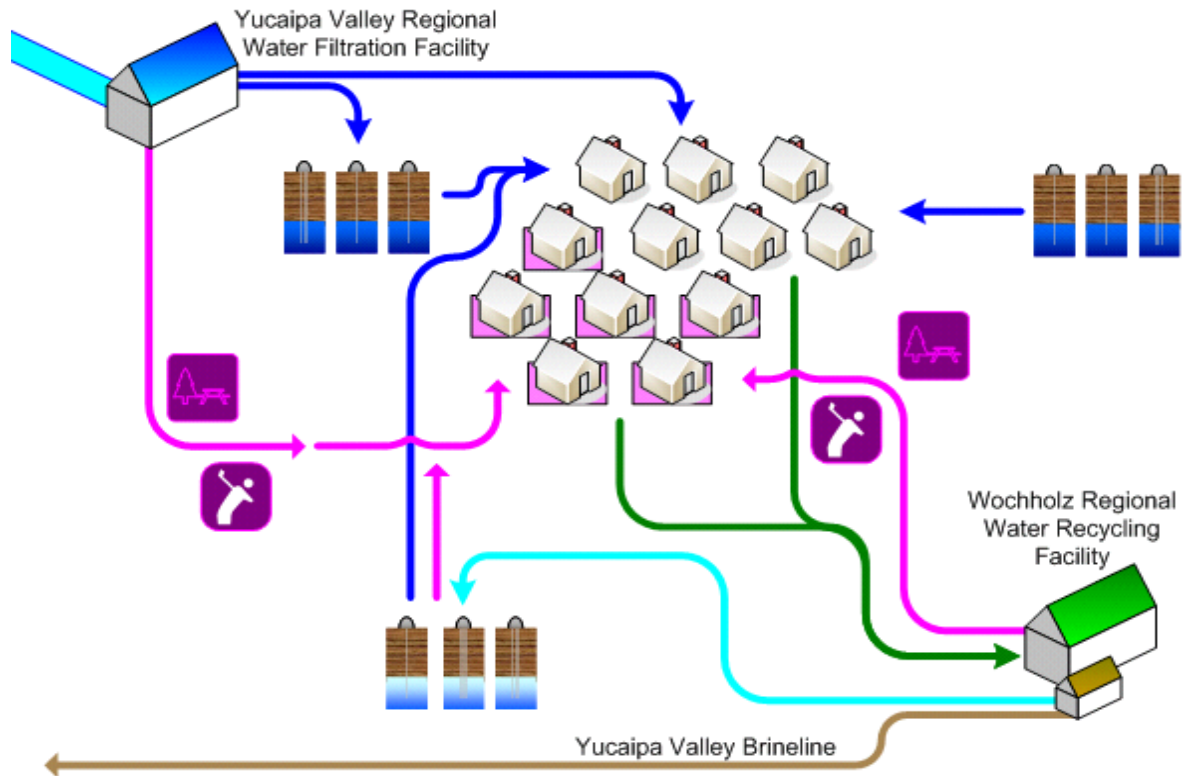
Water System: 223 miles of drinking water pipelines
2,033 fire hydrants
27 reservoirs - 34 million gallons of storage capacity
18 pressure zones
2.958 billion gallon annual drinking water demand
Two water filtration facilities:
- 1 mgd at Oak Glen Surface Water Filtration Facility
- 12 mgd at Yucaipa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