



Yucaipa Valley Water District

Notice and Agenda of a Board Workshop

Tuesday, December 10, 2019 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. **Presentation**
 - A. Overview of Drinking Water and Recycled Water Consumption and Water Conservation Trends [[Workshop Memorandum No. 19-243 - Page 7 of 36](#)]
- V. **Capital Improvement Projects**
 - A. Overview of a Proposed Construction Contract for the Replacement of the Drinking Water Reservoir R-16.6 - Calimesa [[Workshop Memorandum No. 19-244 - Page 9 of 36](#)]
- VI. **Administrative Issues**
 - A. Presentation of the Unaudited Financial Report for the Period Ending on November 30, 2019 [[Workshop Memorandum No. 19-245 - Page 12 of 36](#)]
 - B. Overview of the Demolition of Structures at 12816 Second Street, Yucaipa [[Workshop Memorandum No. 19-246 - Page 27 of 36](#)]
- VII. **Director Comments**

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

VIII. Announcements

- A. December 17, 2019 at 6:00 p.m. - Board Meeting
- B. **December 31, 2019 at 4:00 p.m. - Board Workshop - Cancelled**
- C. **January 7, 2020 at 6:00 p.m. - Board Meeting - Cancelled**
- D. January 14, 2020 at 4:00 p.m. - Board Workshop
- E. January 21, 2020 at 6:00 p.m. - Board Meeting
- F. January 28, 2020 at 4:00 p.m. - Board Workshop

IX. 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 Real Property Negotiator(s) - Government Code 54956.8
Property: 32362 Live Oak Canyon Road, Redlands, California - Easement
Agency Negotiator: Joseph Zoba, General Manager
Under Negotiation: Terms of Payment and Price
- D. Conference with Real Property Negotiator(s) - Government Code 54956.8
Property: 12205 16th Street, Yucaipa California - Easement
Agency Negotiator: Joseph Zoba, General Manager
Under Negotiation: Terms of Payment and Price
- E. Conference with Legal Counsel - Anticipated Litigation (Government Code 54956.9) - Two Cases

X. Adjournment

Staff Report



Yucaipa Valley Water District

NOTICE TO STATE WATER PROJECT CONTRACTORS**Date:** DEC 2 2019**Number:** 19-12**Subject:** 2020 State Water Project Initial Allocation – 10 Percent**From:** Original signed by
Ted Craddock
Acting Deputy Director, State Water Project
Department of Water Resources

The Department of Water Resources (DWR) is initially approving 427,167 acre-feet (AF) of Table A water for the long-term State Water Project (SWP) contractors in 2020. SWP supplies are projected to meet 10 percent of most SWP contractors' requests for Table A water, which total 4,172,786 AF. Attached is the initial 2020 SWP allocation table.

This initial allocation is made consistent with the long-term water supply contracts and public policy. DWR's approval considered several factors including existing storage in SWP conservation reservoirs, SWP operational constraints such as the conditions of the Biological Opinions for Delta Smelt and Salmonids, and the Longfin Smelt Incidental Take Permit, and the 2020 contractor demands. DWR may revise the initial and subsequent allocations if warranted by the year's developing hydrologic and water supply conditions.

DWR will use the current long-term SWP contractors' 10 percent schedules that they submitted in October 2019 as part of their initial request, unless contractors submit updated schedules. DWR will send the approved monthly water delivery schedules to the long-term SWP contractors.

If you have any questions or need additional information, please contact Pedro Villalobos, Chief, State Water Project Analysis Office, at (916) 653-4313.

Attachment

2020 STATE WATER PROJECT INITIAL ALLOCATION
(ACRE-FEET)

SWP CONTRACTORS	TABLE A	INITIAL REQUEST	APPROVED ALLOCATION	PERCENT INITIAL REQUEST APPROVED (3)/(2) (4)
	(1)	(2)	(3)	(4)
<u>FEATHER RIVER</u>				
County of Butte	27,500	27,500	4,000	15%
Plumas County FC&WCD	2,700	2,700	270	10%
City of Yuba City	9,600	9,600	1,920	20%
Subtotal	39,800	39,800	6,190	
<u>NORTH BAY</u>				
Napa County FC&WCD	29,025	29,025	5,805	20%
Solano County WA	47,756	47,756	9,551	20%
Subtotal	76,781	76,781	15,356	
<u>SOUTH BAY</u>				
Alameda County FC&WCD, Zone 7	80,619	80,619	8,062	10%
Alameda County WD	42,000	42,000	4,200	10%
Santa Clara Valley WD	100,000	100,000	10,000	10%
Subtotal	222,619	222,619	22,262	
<u>SAN JOAQUIN VALLEY</u>				
Oak Flat WD	5,700	5,700	570	10%
County of Kings	9,305	9,305	931	10%
Dudley Ridge WD	41,350	41,350	4,135	10%
Empire West Side ID	3,000	3,000	300	10%
Kern County WA	982,730	982,730	98,273	10%
Tulare Lake Basin WSD	87,471	87,471	8,747	10%
Subtotal	1,129,556	1,129,556	112,956	
<u>CENTRAL COASTAL</u>				
San Luis Obispo County FC&WCD	25,000	25,000	2,500	10%
Santa Barbara County FC&WCD	45,486	45,486	4,549	10%
Subtotal	70,486	70,486	7,049	
<u>SOUTHERN CALIFORNIA</u>				
Antelope Valley-East Kern WA	144,844	144,844	14,484	10%
Santa Clarita Valley WA	95,200	95,200	9,520	10%
Coachella Valley WD	138,350	138,350	13,835	10%
Crestline-Lake Arrowhead WA	5,800	5,800	580	10%
Desert WA	55,750	55,750	5,575	10%
Little Rock Creek ID	2,300	2,300	230	10%
Metropolitan WDSC	1,911,500	1,911,500	191,150	10%
Mojave WA	89,800	89,800	8,980	10%
Palmdale WD	21,300	21,300	2,130	10%
San Bernardino Valley MWD	102,600	102,600	10,260	10%
San Gabriel Valley MWD	28,800	28,800	2,880	10%
San Geronio Pass WA	17,300	17,300	1,730	10%
Ventura County WPD	20,000	20,000	2,000	10%
Subtotal	2,633,544	2,633,544	263,354	
TOTAL	4,172,786	4,172,786	427,167	

Presentations



Yucaipa Valley Water District

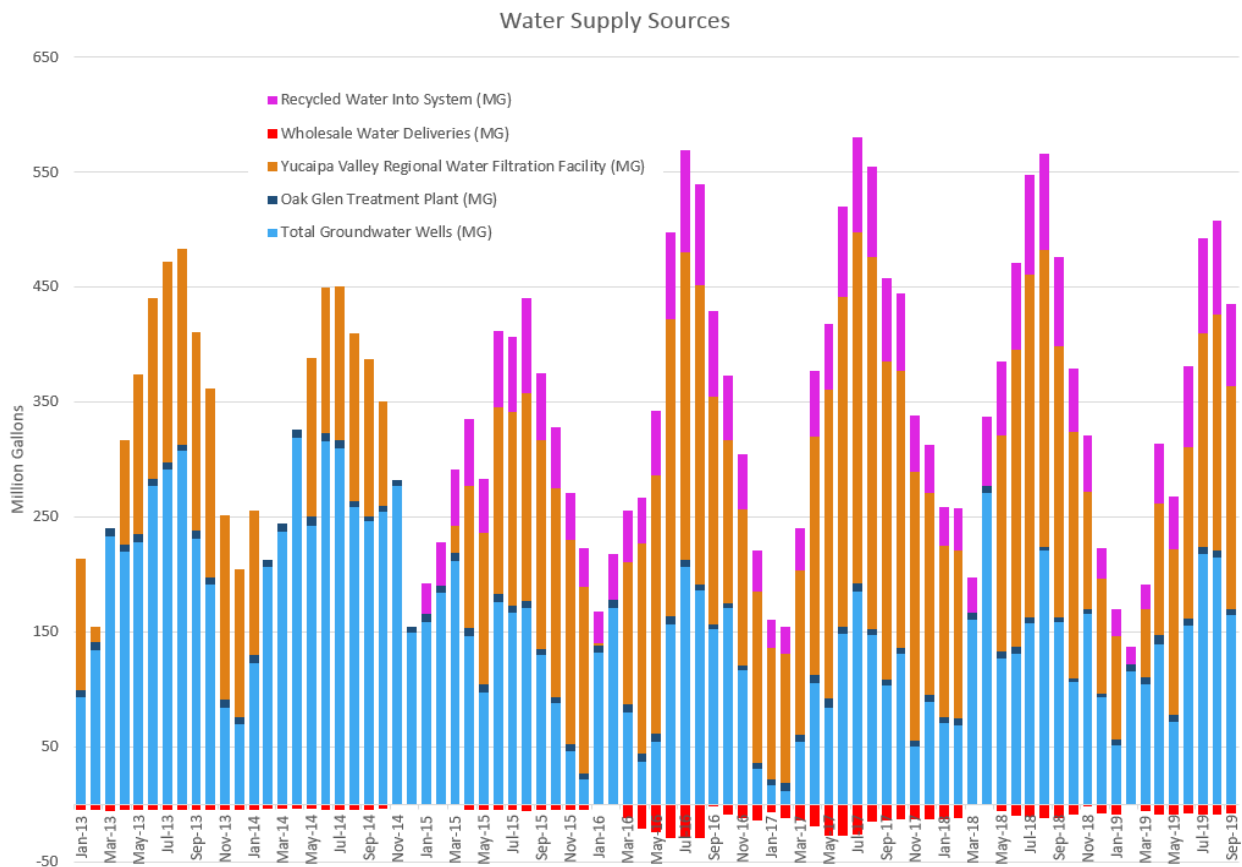


Date: December 10, 2019

From: Joseph Zoba, General Manager

Subject: Overview of Drinking Water and Recycled Water Consumption and Water Conservation Trends

Each month, the Yucaipa Valley Water District reports water conservation information to the State Water Resources Control Board. While the water conservation information is fairly basic, the supporting information behind the calculations shows several trends about the various water sources available to Yucaipa Valley Water District.



With the construction of dual-plumbed homes, additional information is available that shows the efficiency of these new homes in our community.

The purpose of this agenda item is to provide an overview drinking water and recycled water trends during the past year.

Capital Improvement Projects



Yucaipa Valley Water District



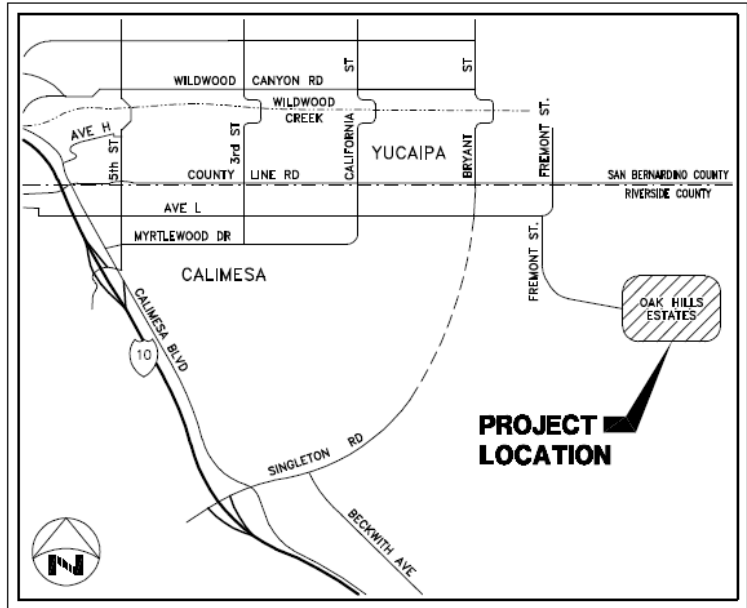
Date: December 10, 2019

From: Matthew Porras, Implementation Manager

Subject: Overview of a Proposed Construction Contract for 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 asset's useful life. The replacement of this tank is recommended before the condition becomes more severe.



LOCATION MAP

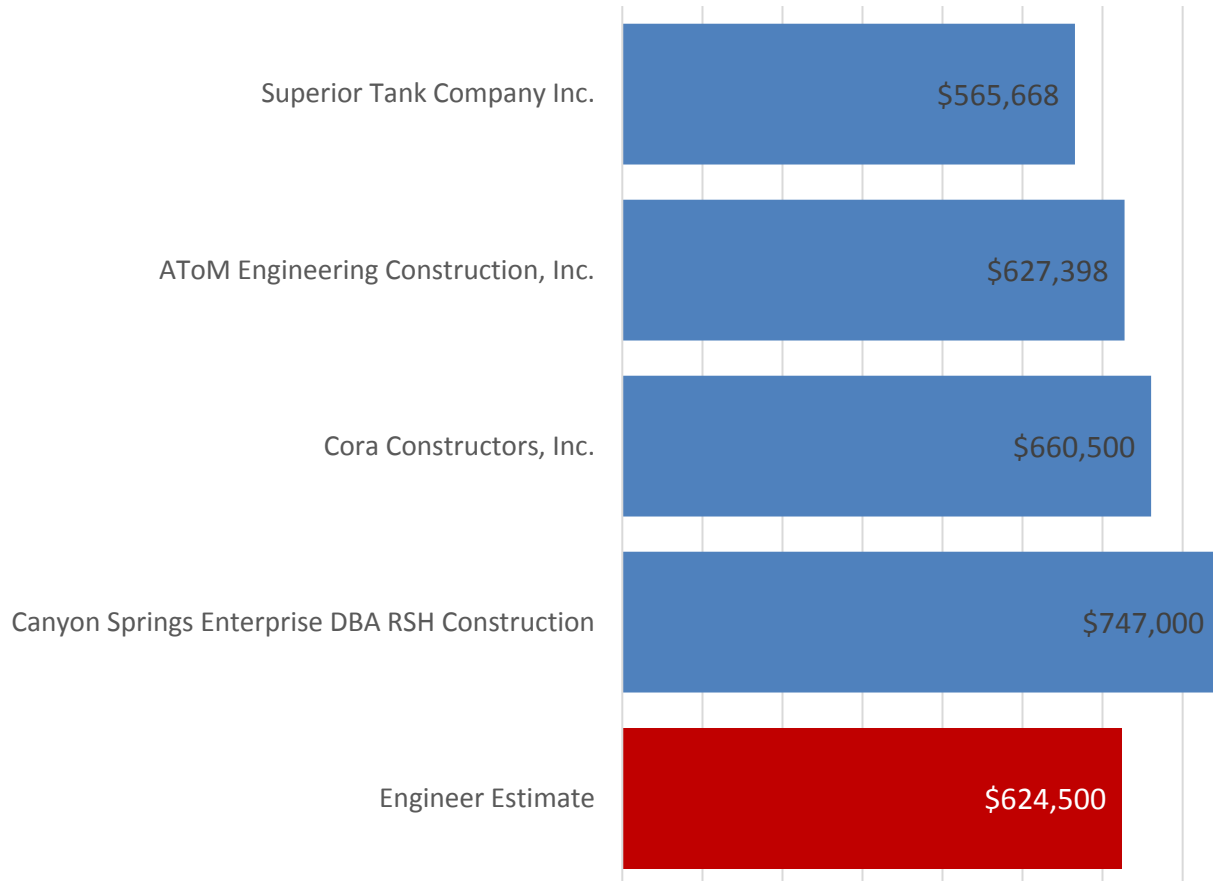
NOT TO SCALE

District staff is planning the replacement of the steel bolted tank in the same location. Traditional options of tank construction include bolted steel, welded steel, or reinforced concrete. Some advantages of the bolted steel tanks are the relatively short manufacturing time, construction time, and overall cost. In addition, the individual panels of a bolted steel tank are constructed off site and their protective coating is applied off site resulting in a reduced on site fabrication and construction effort. The lifespan of a bolted steel tank is typically 40 years.

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 (pictured below) 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.

The District staff received authorization to solicit bids for this project at the October 15, 2019 board meeting [Director Memorandum No. 19-114]. The project was advertised in multiple newspapers on November 13, 2019. The graph below includes the bidders that submitted the required information within the timeline of November 13, 2019 to December 4, 2019.

Replacement of Drinking Water Reservoir R16.6 - Bid Results



This project will be paid for by the Water Fund, Infrastructure Reserves [G/L Account #02-000-10311]. This project was included in the CIP budget 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: December 10, 2019
From: Allison M. Edmisten, Chief Financial Officer
Subject: Presentation of the Unaudited Financial Report for the Period Ending on November 30, 2019

The following unaudited financial report has been prepared by the Administrative Department for your review. The report has been divided into five sections to clearly disseminate information pertaining to the financial status of the District. Please remember that the following financial information has not been audited.

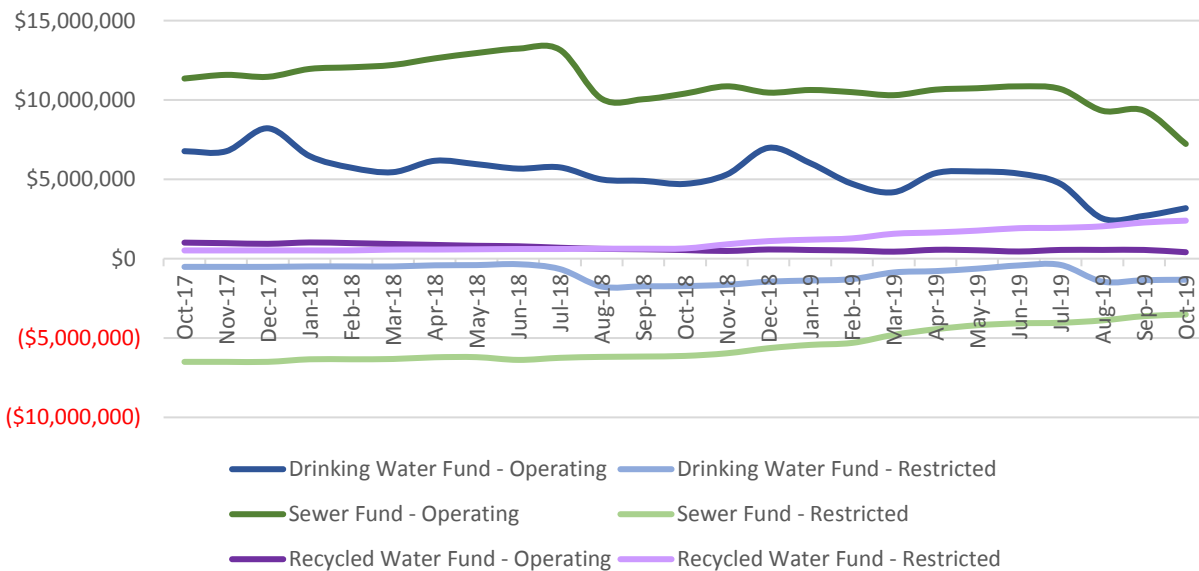
Cash Fund Balance and Cash Flow Reports

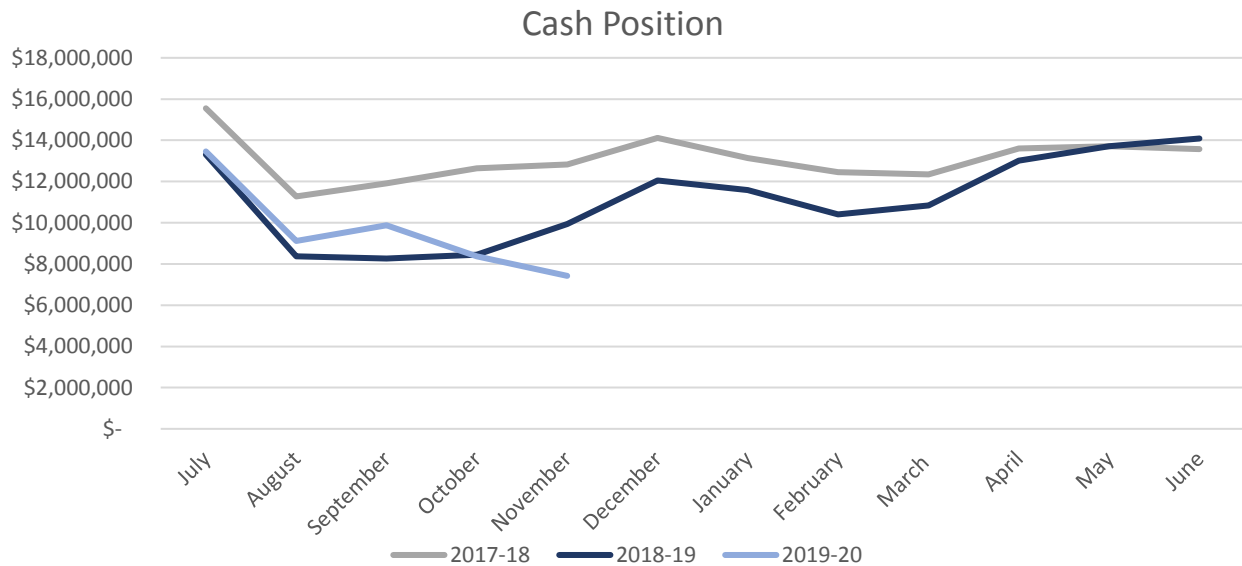
[Detailed information can be found on page 7 to 8 of 15]

The Cash Fund Balance Report provides a summary of how the total amount of funds maintained by financial institutions is distributed throughout the enterprise and non-enterprise funds of the District. A summary of the report is as follows:

Fund Source	Operating Funds	Restricted Funds	Total Funds
Water Division	\$ 2,169,045.99	\$ (1,281,007.84)	\$ 888,038.15
Sewer Division	\$ 7,088,763.89	\$ (3,408,187.89)	\$ 3,680,576.00
Recycled Water Division	\$ 380,736.71	\$ 2,473,023.15	\$ 2,853,759.86
Total	\$ 9,638,546.59	\$ (2,216,172.58)	\$ 7,422,374.01

Fund Balance





Most of the funds reflected in the Cash Fund Balance Report are designated for specific purposes and are therefore restricted, either by law or by District policy.

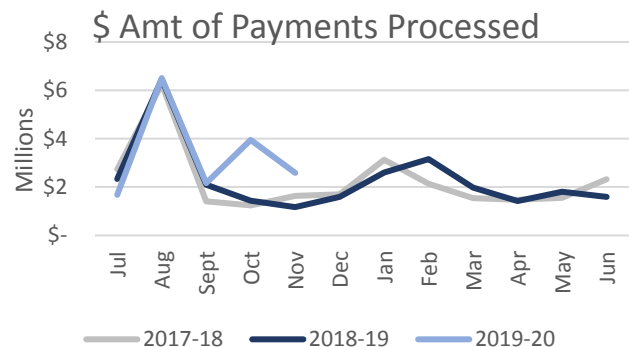
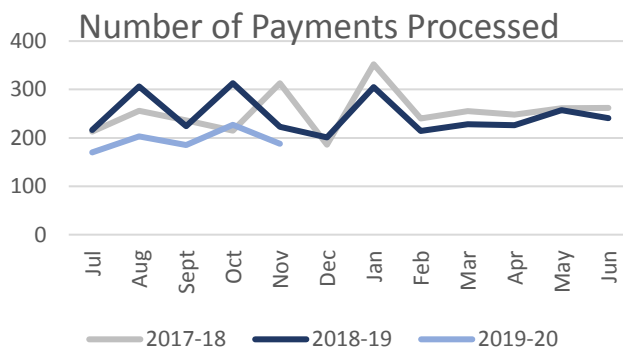
The Cash Flow Report provides a list of the debt service payment due dates and amounts as well as the cash flow requirements for debt service for each month of the fiscal year.

Cash Disbursement Report

[Detailed information can be found on pages 9 to 13 of 15]

The cash disbursement report lists each check and electronic payment processed during the month of November 2019. All payments are reviewed by District staff for accuracy and completeness, checks are usually signed by the General Manager and one Director but may be signed by two Directors. The Chief Financial Officer will make any check, payment, invoice or supporting documentation available for review to any board member upon request.

	Number Processed	Amount Processed
Checks	173	\$ 1,984,080.29
Electronic Payments	15	\$ 601,935.59
Total	188	\$ 2,586,015.88



Financial Account Information

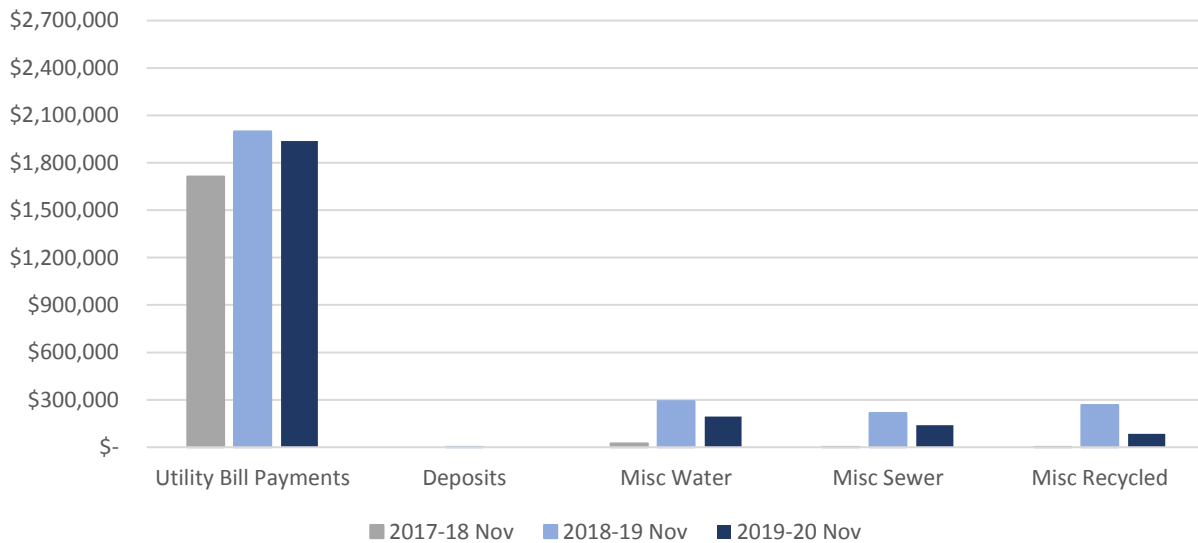
The District currently deposits all revenue received via mail or in person into the Deposit Checking account. All revenue received through Xpress Bill Pay is kept in a separate account and transferred weekly to the Deposit Checking account. The General Checking account is used as a sole processing account for all District checks and electronic payroll. The Investment Checking account is used for the purchase and redemption of US treasury notes and bills and for the transfer of LAIF funds. The US treasury notes and bills are booked at cost.

The LAIF investment account is a pooled money account administered by the State of California. Additional information on the LAIF account is provided below in the investment summary report.

Monthly Revenue Allocation:

Funding Source	Total
Utility Bill Payments	\$ 1,937,663.94
Deposits	\$ 0.00
Misc. Water Related Activities	\$ 194,763.72
Misc. Sewer Related Activities	\$ 140,191.42
Misc. Recycled Related Activities	\$ 84,135.40
Total	\$ 2,356,754.48

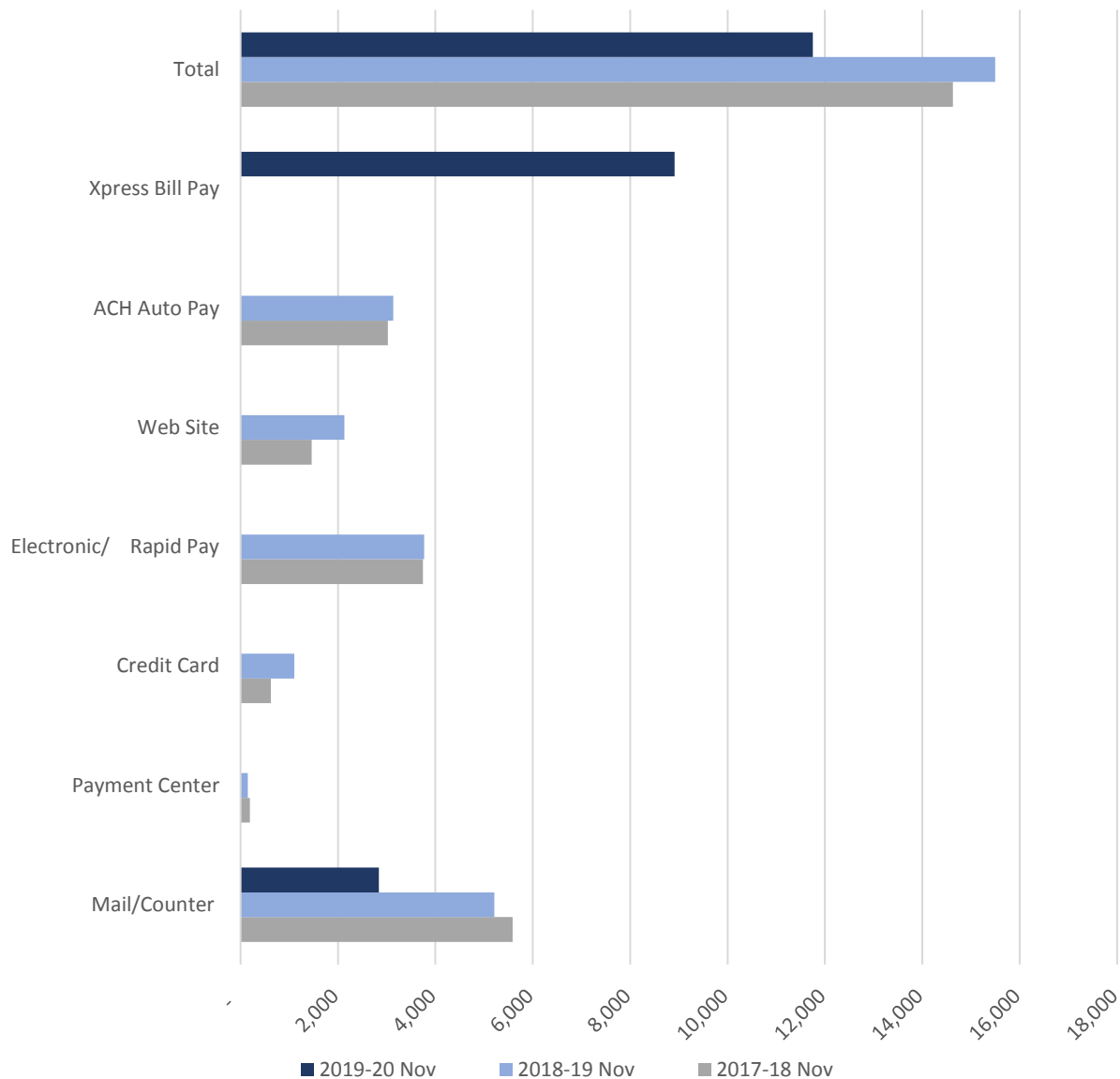
Monthly Revenue Allocation



Summary of Utility Bill Payments:

Payment Method	Number of Payments	% of Total Received
Mail/Counter	2,839	24.15%
Xpress Bill Pay	8,915	75.85%
Total	11,754	100.00%

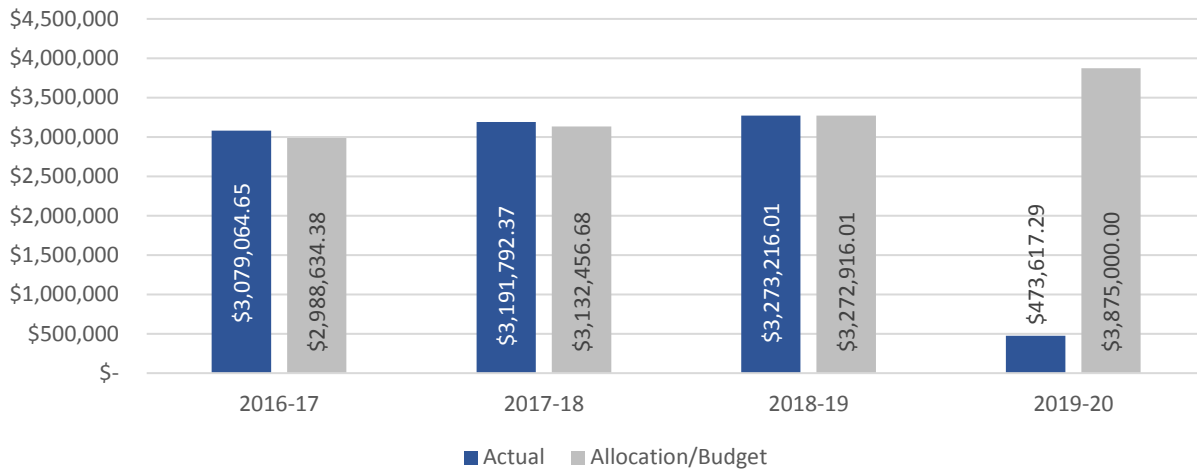
Type of Payments



Summary of Property Tax Revenue:

Current Month	Year-to-Date	Budget Amount	Percentage
Property Taxes	\$ 473,617	\$ 3,875,000	12.22%

Property Taxes - Actual vs. Budget



Investment Summary

[Detailed information can be found on pages 14 to 15 of 15]

The investment summary report illustrates the District's investments in US treasury notes and bills in addition to the investments held by the Local Agency Investment Fund or LAIF. The yields for the treasury notes and bills are provided for each individual transaction. The historical annual yield for funds invested with LAIF is also provided.

Separate pooled money investment reports prepared by the State of California are maintained by the District and available for review.

Investment Policy Disclosure - The District is currently compliant with the portfolio of its Investment Policy and State law. The District is using Sandy Gage with Merrill Lynch Wealth Management (Bank of America Corporation) for Treasury investments. The District expects to meet its expenditure requirements for the next six months.

Fiscal Year 2019-20 Detail Budget Status

[Detailed information will be available at the Board workshop]

The revenue and expense budget status for the 2019-20 Fiscal Year is provided for your review.

Questions or Comments

If you have any questions about a particular budget account, please do not hesitate to contact the Chief Financial Officer directly. If you need additional information, the members of the Administrative Department would be happy to provide you with any detailed information you may desire.

Cash Fund Balance Report - November 2019

Water Division		GL#	Balance
Restricted	*ID 1 Construction Funds	02-10216	\$ 293,145.85
	*ID 2 Construction Funds	02-10217	\$ 80,409.31
	*FCC - Debt Service YVRWFF Phase I	02-10401	\$ (5,785,500.05)
	*FCC - Future YVRWFF Phase II & III	02-10403	\$ 549,037.18
	*FCC - Recycled System	02-10410	\$ (665,102.64)
	*FCC - Booster Pumping Plants	02-10411	\$ 903,919.70
	*FCC - Pipeline Facilities	02-10412	\$ 822,051.68
	*FCC - Water Storage Reservoirs	02-10413	\$ 2,521,031.13
Operating	Depreciation Reserves	02-10310	\$ 882,126.28
	Infrastructure Reserves	02-10311	\$ 2,597,794.87
	Sustainability Fund	02-10313	\$ 135,708.86
	Rate Stabilization Fund	02-10314	\$ 500,209.14
	Imported Water Fund - MUNI	02-10315	\$ 626,636.53
	Imported Water Fund - SGPWA	02-10316	\$ 884,591.93
	Operating Funds:		\$ (3,458,021.62)
Total Water Division			\$ 888,038.15

Sewer Division		GL#	Balance
Restricted	*SRF Reserve Fund - Brineline	03-10218	\$ 637,449.00
	*SRF Reserve Fund - WISE	03-10219	\$ 184,928.00
	*SRF Reserve Fund - R 10.3	03-10220	\$ 51,531.00
	*SRF Reserve Fund - Crow St	03-10221	\$ 19,255.00
	*FCC - Debt Service WWTP Expansion & Upgrade	03-10405	\$ 3,011,066.58
	*FCC - Future WWTP Expansion	03-10407	\$ 2,215,577.27
	*FCC - Sewer Interceptors	03-10415	\$ (624,449.91)
	*FCC - Lift Stations	03-10416	\$ 430,326.31
	*FCC - Effluent Disposal Facilities	03-10417	\$ (1,356,439.00)
	*FCC - Salt Mitigation Facilities	03-10418	\$ (7,977,432.14)
Operating	Project Fund - Encumbered	03-10215	\$ 646,500.00
	Depreciation Reserves	03-10310	\$ 4,047,780.83
	Infrastructure Reserves	03-10311	\$ 4,021,018.28
	Rate Stabilization Fund	03-10314	\$ 1,464,394.90
	Operating Funds:		\$ (3,090,930.12)
Total Wastewater Division			\$ 3,680,576.00

Recycled Water Division		GL#	Balance
Restricted	*FCC - Recycled System	04-10410	\$ 231,205.77
	*FCC - Booster Pumping Plants	04-10411	\$ 180,398.40
	*FCC - Pipeline Facilities	04-10412	\$ 1,113,000.59
	*FCC - Water Storage Reservoirs	04-10413	\$ 948,418.39
Operating	Project Fund - Encumbered	04-10215	\$ -
	Depreciation Reserves	04-10310	\$ 27,994.09
	Infrastructure Reserves	04-10311	\$ 292,492.31
	Operating Funds:		\$ 60,250.31
Total Recycled Water Division			\$ 2,853,759.86

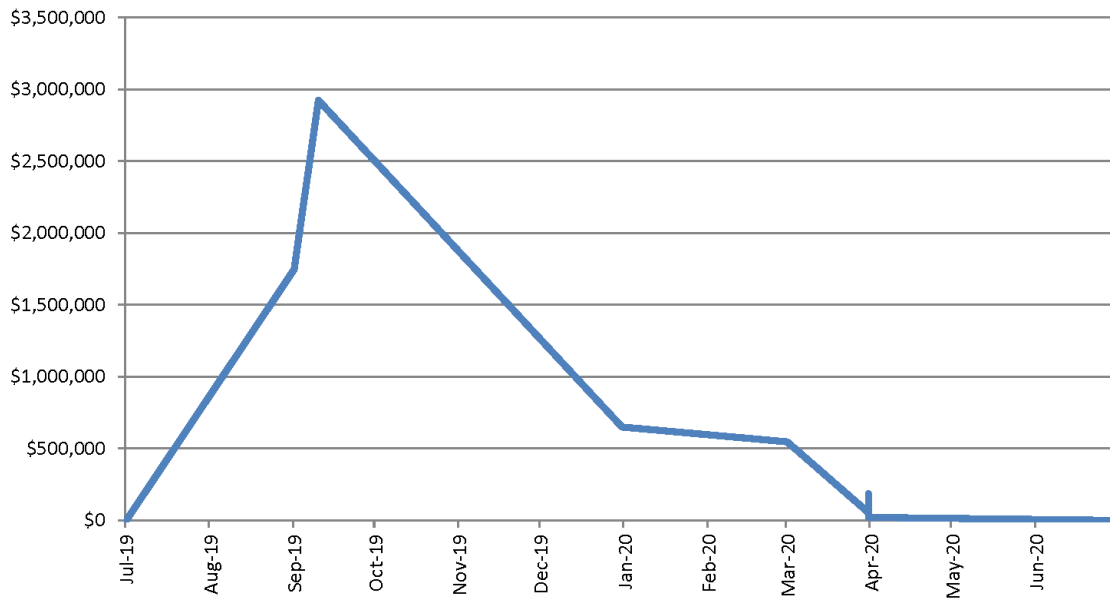
DISTRICT TOTAL \$ 7,422,374.01

*=Restricted Funds

Cash Flow Report for Fiscal Year 2019-20

Financial Obligations for Fiscal Year 2019-20				
Due Date	Fund	Description	Term of Obligation	Amount
9/1/2019	Water	2015A Bond Payment - YVRWFF	2015-2034	\$ 1,745,931.25
9/10/2019	Sewer	SRF Payment - WRWRF	2009-2028	\$ 2,923,668.75
12/31/2019	Sewer	SRF Payment - Yucaipa Regional Brineline	2013-2032	\$ 649,273.50
3/1/2020	Water	2015A Bond Payment - YVRWFF	2015-2034	\$ 546,681.25
3/31/2020	Sewer	SRF Payment - Recycled Reservoir R-10.3	2014-2033	\$ 54,277.31
3/31/2020	Sewer	SRF Payment - Desalinization at WRWRF	2014-2033	\$ 185,251.30
3/31/2020	Sewer	SRF Payment - Crow Street/Recycled Booster B-12.1	2016-2035	\$ 21,233.27
			Total	\$ 6,126,316.63

**Payment Schedule and Cash Flow Requirements
for Fiscal Year 2019-20**



Check Register - November 2019

Check Date	Check Number	Payee	Amount
11/4/2019	35745	All American Sewer Tools	\$ 675.99
11/4/2019	35746	Alpine Springs	\$ 222.40
11/4/2019	35747	Ameripride Uniform Services	\$ 1,197.15
11/4/2019	35748	Aqua-Metric Sales Company	\$ 12,858.08
11/4/2019	35749	Arrow Staffing	\$ 1,912.24
11/4/2019	35750	Auto Care Clinic	\$ 93.23
11/4/2019	35751	AutoZone Stores LLC	\$ 296.56
11/4/2019	35752	Avista Technologies, Inc.	\$ 20,903.60
11/4/2019	35753	Best Home Center	\$ 16.25
11/4/2019	35754	Brenntag Pacific, Inc	\$ 9,991.55
11/4/2019	35755	BSK Associates	\$ 2,085.00
11/4/2019	35756	California Water Environment Association	\$ 384.00
11/4/2019	35757	Caselle, Inc.	\$ 58,007.00
11/4/2019	35758	Clinical Laboratory of San Bernardino	\$ 8,359.00
11/4/2019	35759	Cole-Parmer	\$ 433.24
11/4/2019	35760	DC Frost Associates, Inc.	\$ 234.42
11/4/2019	35761	Hach Company	\$ 5,163.57
11/4/2019	35762	House Of Quality, Parts Plus	\$ 215.00
11/4/2019	35763	Houston & Harris PCS, Inc.	\$ 1,900.00
11/4/2019	35764	Inland Water Works Supply Co.	\$ 471.95
11/4/2019	35765	JW D'Angelo Co.	\$ 11,554.17
11/4/2019	35766	Krieger & Stewart	\$ 35,467.84
11/4/2019	35767	Les Schwab Tire Center	\$ 584.48
11/4/2019	35768	Merit Oil Company	\$ 2,688.13
11/4/2019	35769	Nalco Company	\$ 10,328.10
11/4/2019	35770	Pacific Coast Landscape & Design, Inc.	\$ 6,325.00
11/4/2019	35771	Platinum Advisors, LLC	\$ 125.00
11/4/2019	35772	Ponton Industries, Inc	\$ 15,670.08
11/4/2019	35773	Pro-Pipe & Supply, Inc.	\$ 57.70
11/4/2019	35774	Quinn Company	\$ 3,439.40
11/4/2019	35775	Red Alert Special Couriers	\$ 1,195.26
11/4/2019	35776	Redline	\$ 1,178.86
11/4/2019	35777	SCCI, Inc.	\$ 300.00
11/4/2019	35778	Schaner's WasteWater Prod., Inc	\$ 2,698.77
11/4/2019	35779	Southern CA Emergency Medicine, Inc.	\$ 75.00
11/4/2019	35780	The Gas Company	\$ 79.87
11/4/2019	35781	Titan Electric	\$ 8,250.00
11/4/2019	35782	TPX Communications	\$ 2,657.75
11/4/2019	35783	Underground Service Alert Of So. CA	\$ 318.55
11/4/2019	35784	United Rentals Inc.	\$ 1,095.10
11/4/2019	35785	Watereuse Association	\$ 2,086.50
11/8/2019	35786	Denise Howard	\$ 1,519.53
11/12/2019	35787	Action Rentals	\$ 60.00
11/12/2019	35788	Ameripride Uniform Services	\$ 868.47
11/12/2019	35789	Arrow Staffing	\$ 2,126.40
11/12/2019	35790	Auto Care Clinic	\$ 597.53
11/12/2019	35791	Best Home Center	\$ 38.63

Check Register - November 2019

Check Date	Check Number	Payee	Amount
11/12/2019	35792	Brenntag Pacific, Inc	\$ 23,087.42
11/12/2019	35793	Caselle, Inc.	\$ 2,170.00
11/12/2019	35794	Corelogic, Inc.	\$ 330.00
11/12/2019	35795	Coverall North America, Inc.	\$ 1,021.00
11/12/2019	35796	Crown Ace Hardware - Yucaipa	\$ 18.49
11/12/2019	35797	Custom Concrete System	\$ 6,600.00
11/12/2019	35798	Eurofins Eaton Analytical, Inc.	\$ 9,600.00
11/12/2019	35799	First American Data Tree, LLC	\$ 50.00
11/12/2019	35800	Frontier Communications	\$ 163.26
11/12/2019	35801	G&G Environmental Compliance, Inc	\$ 4,149.01
11/12/2019	35802	House Of Quality, Parts Plus	\$ 80.50
11/12/2019	35803	Houston & Harris PCS, Inc.	\$ 1,800.00
11/12/2019	35804	InfoSend, Inc.	\$ 33,937.62
11/12/2019	35805	Instrument & Valve Services Company	\$ 1,862.65
11/12/2019	35806	JB Paving & Engineering, Inc.	\$ 19,000.00
11/12/2019	35807	JW D'Angelo Co.	\$ 1,959.06
11/12/2019	35808	Konica Minolta Business Solutions	\$ 1,332.20
11/12/2019	35809	Lowe's Companies, Inc.	\$ 853.23
11/12/2019	35810	Lucas D'Aon	\$ 79.78
11/12/2019	35811	MBC Applied Environmental Sciences	\$ 1,350.00
11/12/2019	35812	Merit Oil Company	\$ 5,013.32
11/12/2019	35813	Nautilus Environmental, Inc.	\$ 1,500.00
11/12/2019	35814	Nautilus Environmental, Inc.	\$ 1,500.00
11/12/2019	35815	Nearmap US Inc.	\$ 6,000.00
11/12/2019	35816	Pro-Pipe & Supply, Inc.	\$ 979.80
11/12/2019	35817	Q Versa, LLC	\$ 945.00
11/12/2019	35818	Redlands-Yucaipa Rentals Inc.	\$ 254.10
11/12/2019	35819	Risk Sciences	\$ 808.13
11/12/2019	35820	San Bernardino County	\$ 330.75
11/12/2019	35821	SCCI, Inc.	\$ 955.00
11/12/2019	35822	Separation Processes, Inc.	\$ 4,168.50
11/12/2019	35823	Shanna Gorssich	\$ 95.49
11/12/2019	35824	The Counseling Team International	\$ 300.00
11/12/2019	35825	Yucaipa Disposal, Inc.	\$ 4,561.32
11/12/2019	35826	Yucaipa/Calimesa News Mirror	\$ 201.50
11/12/2019	35827	Yucaipa-Calimesa Joint Unified School Di	\$ 890.00
11/8/2019	35828	California State Disbursement Unit	\$ 743.52
11/8/2019	35829	IBEW Local #1436	\$ 580.00
11/8/2019	35830	WageWorks Inc	\$ 1,340.00
11/18/2019	35831	David L. Wysocki	\$ 3,712.50
11/18/2019	35832	Delta Partners, LLC	\$ 7,500.00
11/18/2019	35833	Dudek & Associates, Inc	\$ 13,459.10
11/18/2019	35834	Eide Bailly LLP	\$ 21,300.00
11/18/2019	35835	Forstra Filters, Inc.	\$ 167,990.33
11/18/2019	35836	One Stop Landscape Supply Inc	\$ 21,160.50
11/18/2019	35837	Separation Processes, Inc.	\$ 11,091.22
11/18/2019	35838	Alliant Insurance Services, Inc.	\$ 7,019.20

Check Register - November 2019

Check Date	Check Number	Payee	Amount
11/18/2019	35839	Ameripride Uniform Services	\$ 899.13
11/18/2019	35840	Arrow Staffing	\$ 2,126.40
11/18/2019	35841	Assoc. SB Cty Special Districts	\$ 272.00
11/18/2019	35842	Best Home Center	\$ 36.06
11/18/2019	35843	BofA Credit Card	\$ 1,491.84
11/18/2019	35844	BSK Associates	\$ 1,005.00
11/18/2019	35845	California Association of Sanitation Age	\$ 16,711.00
11/18/2019	35846	California Water Environment Association	\$ 384.00
11/18/2019	35847	Cemex Inc. USA	\$ 2,044.56
11/18/2019	35848	Contron Scada Systems	\$ 4,227.47
11/18/2019	35849	Coverall North America, Inc.	\$ 310.00
11/18/2019	35850	Custom Metal Fabrication	\$ 285.00
11/18/2019	35851	Eurofins Eaton Analytical, Inc.	\$ 600.00
11/18/2019	35852	Evoqua Water Technologies LLC	\$ 2,057.69
11/18/2019	35853	Fastenal Company	\$ 1,015.07
11/18/2019	35854	Harrington Ind. Plastic, LLC	\$ 190.34
11/18/2019	35855	Hasa, Inc.	\$ 3,705.31
11/18/2019	35856	House Of Quality, Parts Plus	\$ 23.12
11/18/2019	35857	Hub Construction Specialties Inc	\$ 224.68
11/18/2019	35858	Joseph Preston	\$ 3,729.12
11/18/2019	35859	Koritas Tires Inc.	\$ 15.00
11/18/2019	35860	Les Schwab Tire Center	\$ 483.82
11/18/2019	35861	Merit Oil Company	\$ 3,116.72
11/18/2019	35862	NOSHAQ PROPERTIES LLC	\$ 88.97
11/18/2019	35863	Polydyne Inc.	\$ 3,462.86
11/18/2019	35864	Q Versa, LLC	\$ 3,840.00
11/18/2019	35865	Red Alert Special Couriers	\$ 1,195.26
11/18/2019	35866	Redlands Ford	\$ 53.68
11/18/2019	35867	SB CNTY-Solid Waste Mgmt Div	\$ 151.65
11/18/2019	35868	Smart & Final Stores LLC	\$ 195.02
11/18/2019	35869	Smith & Loveless, Inc.	\$ 4,670.98
11/18/2019	35870	Southern California Edison	\$ 5,182.11
11/18/2019	35871	Spectrum Business	\$ 1,834.00
11/18/2019	35872	State Water Resources Control Board	\$ 54,100.00
11/18/2019	35873	Studio Orange Street	\$ 300.00
11/18/2019	35874	Time Warner Cable	\$ 281.30
11/22/2019	35875	Aflac	\$ 3,019.68
11/22/2019	35876	California State Disbursement Unit	\$ 743.52
11/22/2019	35877	FRANCHISE TAX BOARD	\$ 100.00
11/22/2019	35878	WageWorks Inc	\$ 1,340.00
11/22/2019	35879	Western Dental Services Inc	\$ 251.16
11/25/2019	35880	All American Sewer Tools	\$ 2,296.22
11/25/2019	35881	Alpine Springs	\$ 62.45
11/25/2019	35882	American Water Works Assoc.	\$ 4,269.00
11/25/2019	35883	Ameripride Uniform Services	\$ 874.39
11/25/2019	35884	Arrow Staffing	\$ 1,416.83
11/25/2019	35885	AT&T Mobility	\$ 2,467.79

Check Register - November 2019

Check Date	Check Number	Payee	Amount
11/25/2019	35886	AutoZone Stores LLC	\$ 25.82
11/25/2019	35887	Best Home Center	\$ 31.72
11/25/2019	35888	Brenntag Pacific, Inc	\$ 6,552.22
11/25/2019	35889	California Water Environment Association	\$ 192.00
11/25/2019	35890	Environmental Systems Research Institute	\$ 49,000.00
11/25/2019	35891	Frontier Communications/CMR Claims Dept	\$ 160.02
11/25/2019	35892	House Of Quality, Parts Plus	\$ 57.93
11/25/2019	35893	Houston & Harris PCS, Inc.	\$ 2,500.00
11/25/2019	35894	InfoSend, Inc.	\$ 1,799.74
11/25/2019	35895	JB Paving & Engineering, Inc.	\$ 58,543.00
11/25/2019	35896	JW D'Angelo Co.	\$ 633.57
11/25/2019	35897	Leighton Consulting, Inc.	\$ 9,995.00
11/25/2019	35898	Merit Oil Company	\$ 3,229.99
11/25/2019	35899	NetComp Technologies, Inc.	\$ 2,600.00
11/25/2019	35900	Novotx	\$ 73,000.00
11/25/2019	35901	Pacific Coast Landscape & Design, Inc.	\$ 6,325.00
11/25/2019	35902	Pro-Pipe & Supply, Inc.	\$ 93.73
11/25/2019	35903	R.F MacDonald Co.	\$ 1,650.00
11/25/2019	35904	RivCo Parks	\$ 6,100.00
11/25/2019	35905	SCCI, Inc.	\$ 300.00
11/25/2019	35906	SCE Rosemead	\$ 227,833.40
11/25/2019	35907	Schaner's WasteWater Prod., Inc	\$ 2,728.37
11/25/2019	35908	Spectrum Business	\$ 4,483.00
11/25/2019	35909	State Water Resources Control Board	\$ 2,625.00
11/25/2019	35910	State Water Resources Control Board	\$ 649,273.50
11/25/2019	35911	Steven R. Smith, MSREA, MAI, SRA	\$ 2,950.00
11/22/2019	35912	Blue Shield of California	\$ 3,703.40
11/22/2019	35913	CalPERS Health Insurance	\$ 95,074.24
11/22/2019	35914	Nippon Life Insurance Co	\$ 2,806.25
11/22/2019	35915	Standard Dental Insurance Co	\$ 1,552.24
11/22/2019	35916	Standard Insurance Vision Plan	\$ 274.60
11/25/2019	35917	WageWorks, Inc.	\$ 186.50
			\$ 1,984,080.29
11/8/2019	electronic pmt	CalPERS 457 & Loan	\$ 27,969.36
11/8/2019	electronic pmt	CalPERS Retirement	\$ 30,828.27
11/8/2019	electronic pmt	EDD - State of California	\$ 9,963.23
11/8/2019	electronic pmt	IRS	\$ 57,618.70
11/8/2019	electronic pmt	Payroll Direct Deposit	\$ 145,780.06
11/8/2019	electronic pmt	VOYA 457 Retirement Plan	\$ 5,071.64
11/21/2019	electronic pmt	EDD - State of California	\$ 910.90
11/21/2019	electronic pmt	IRS	\$ 10,841.83
11/21/2019	electronic pmt	Payroll-Comp Time Cash Out	\$ 40,222.48
11/22/2019	electronic pmt	CalPERS 457 & Loan	\$ 24,971.62
11/22/2019	electronic pmt	CalPERS Retirement	\$ 31,128.05
11/22/2019	electronic pmt	EDD - State of California	\$ 10,316.05

Check Register - November 2019

Check Date	Check Number	Payee	Amount
11/22/2019	electronic pmt	IRS	\$ 56,649.09
11/22/2019	electronic pmt	Payroll Direct Deposit	\$ 146,067.67
11/22/2019	electronic pmt	VOYA 457 Retirement Plan	\$ 3,596.64
			\$ 601,935.59

Investment Summary - November 2019

U.S. TREASURIES

Quantity	Description	Cusip	Maturity Date	Yield	Cost of Purchase	Market Value
500,000	US Treasury Bill	912796SV2	June 18, 2020	2.150%	\$ 491,590.83	\$ 523,527.49
500,000	Total Values				\$ 491,590.83	\$ 523,527.49

Money Market Account Activity-Beginning Balance	\$	28,390.56
7/31/17 - Bond Interest	\$	-
7/31/18 - Dividend/Interest	\$	1.93
Cusip 912796QM4 Accrued Interest Paid		
Business Account Fee		
Income	\$	1.93
Intra-Bank Transfers to/from Investment Checking	\$	-
Fund Transfers	\$	-
Cusip Maturity		
Redemptions	\$	-
Cusip Purchase		
Purchases	\$	-
Ending Balance - Money Market	\$	28,392.49
US Treasury Securities Investment Principal	\$	491,590.83
Total Assets	\$	519,983.32

Note: As of 12/2/19, the updated treasury information for November has not been received. The information above is as of 10/31/19.

Investment Summary - November 2019

LOCAL AGENCY INVESTMENT FUND

PERIOD	TOTAL WITHDRAWAL AMOUNT	TOTAL DEPOSIT AMOUNT	ACCRUED INTEREST (QUARTERLY)	ENDING BALANCE
July 31, 2019	\$ -	\$ -	\$ 56,327.40	\$ 10,343,772.08
August 31, 2019	\$ (2,900,000.00)	\$ -	\$ -	\$ 7,443,772.08
September 30, 2019	\$ -	\$ -	\$ -	\$ 7,443,772.08
October 31, 2019	\$ (1,000,000.00)	\$ -	\$ 54,200.09	\$ 6,497,972.17
November 30, 2019	\$ -	\$ -	\$ -	\$ 6,497,972.17
December 31, 2019	\$ -	\$ -	\$ -	\$ 6,497,972.17
January 31, 2020	\$ -	\$ -	\$ -	\$ 6,497,972.17
February 28, 2020	\$ -	\$ -	\$ -	\$ 6,497,972.17
March 31, 2020	\$ -	\$ -	\$ -	\$ 6,497,972.17
April 30, 2020	\$ -	\$ -	\$ -	\$ 6,497,972.17
May 31, 2020	\$ -	\$ -	\$ -	\$ 6,497,972.17
June 30, 2020	\$ -	\$ -	\$ -	\$ 6,497,972.17

L.A.I.F. INCOME SUMMARY

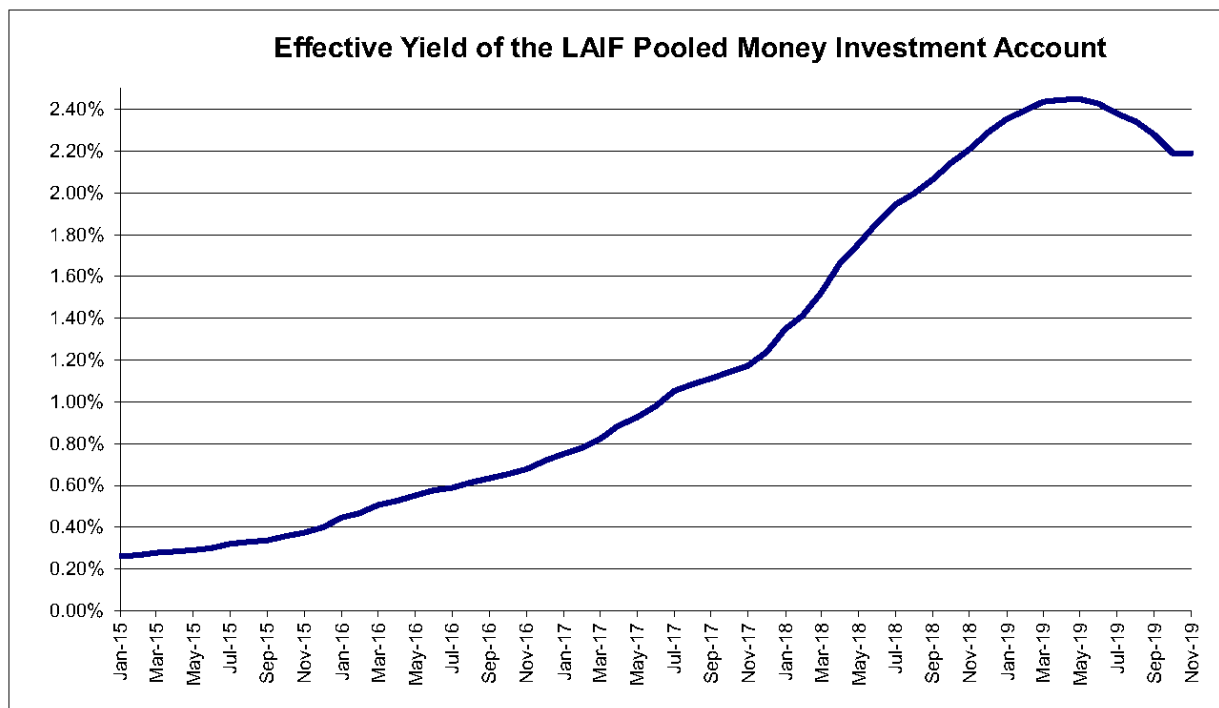
INCOME RECEIVED

CURRENT QUARTER

FY YEAR-TO-DATE

\$ 54,200.09

\$ 110,527.49





Date: December 10, 2019
From: Joseph Zoba, General Manager
Subject: Overview of the Demolition of Structures at 12816 Second Street, Yucaipa

The Yucaipa Valley Water District recently acquired property located at 12816 Second Street, Yucaipa. The District staff recommends demolishing the existing garage, house, and other structures on-site and to remove any remaining debris.



A draft Request for Proposals is currently being prepared and will be distributed at the board workshop for review.

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

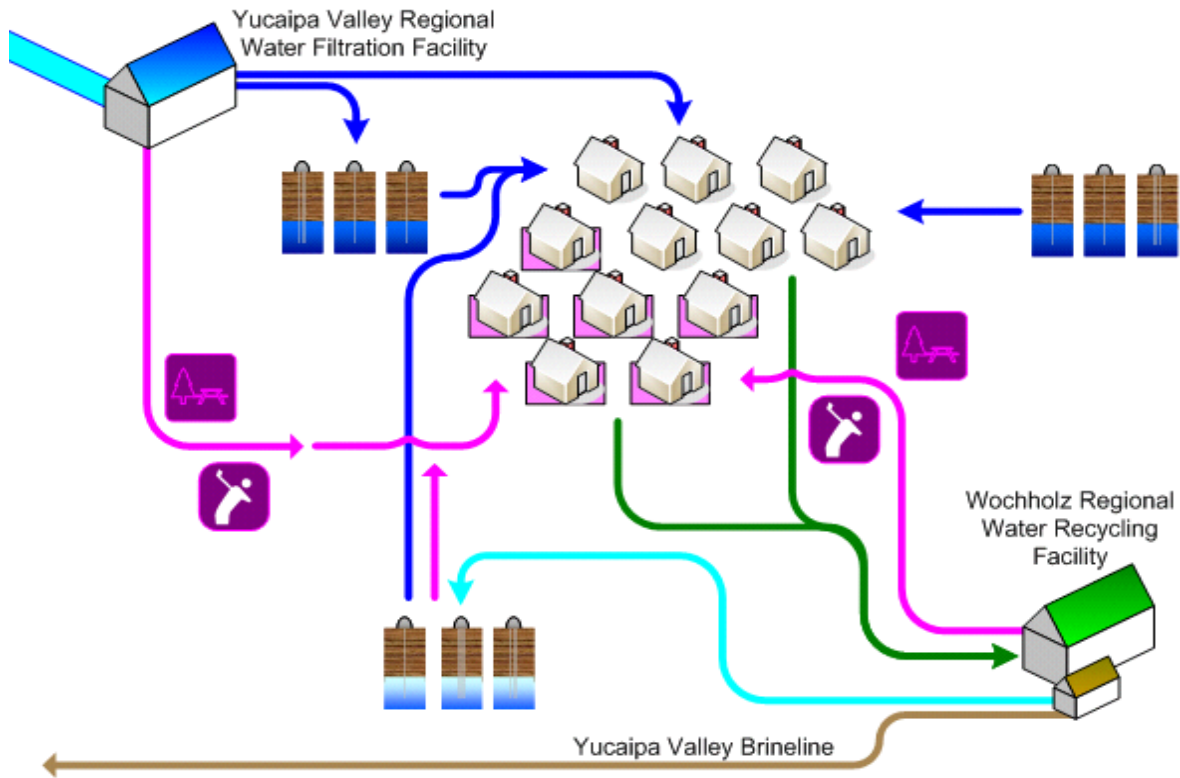
Water System: 223 miles of drinking water pipelines
2,033 fire hydrants
27 reservoirs - 34 million gallons of storage capacity
18 pressure zones
2.958 billion gallon annual drinking water demand
Two water filtration facilities:
- 1 mgd at Oak Glen Surface Water Filtration Facility
- 12 mgd at Yucaipa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