



Yucaipa Valley Water District

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

Notice and Agenda of a Meeting of the Board of Directors

Tuesday, May 11, 2021 at 4:00 p.m.

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

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

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

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

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

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

- IV. CONSENT CALENDAR** - All consent calendar matters are routine and will be acted upon in one motion. There will be no discussion of these items unless board members, administrative staff, or members of the public request specific items to be discussed and/or removed prior to the vote for approval.
- A. Minutes of Meetings
1. Board Meeting - April 27, 2021
- V. STAFF REPORT**
- VI. DISCUSSION ITEMS**
- A. Award of a Contract for the Demolition of Structures Located at 12086 2nd Street, 12816 2nd Street, 12834 2nd Street, and a Storage Structure on 2nd Street, Yucaipa [[Director Memorandum No. 21-082 - Page 15 of 143](#)]
- RECOMMENDED ACTION: That the Board award a construction contract to Interior Demolition for a sum not to exceed \$106,168 and adopt Resolution No. 2021-23 transferring \$13,793.00 from Water Infrastructure Reserves to fund the contract.
- B. Presentation of the Unaudited Financial Report for the Period Ending on April 30, 2021 [[Director Memorandum No. 21-083 - Page 18 of 143](#)]
- RECOMMENDED ACTION: That the Board receive and file the unaudited financial report.
- C. Status Report on the Advanced Metering Infrastructure Project [[Director Memorandum No. 21-084 - Page 47 of 143](#)]
- RECOMMENDED ACTION: Staff Presentation - No Action Required.
- D. Consideration to Initiate the Secondary Treatment Improvements Project (STIP) at the Wochholz Regional Water Recycling Facility [[Director Memorandum No. 21-085 - Page 50 of 143](#)]
- RECOMMENDED ACTION: That the Board authorize the General Manager to (1) purchase APG-Neuros turbo blowers for a sum not to exceed \$700,745; (2) purchase OTT fine bubble diffusers for a sum not to exceed \$67,775; (3) to authorize the District staff to solicit proposals for the removal of existing equipment and installation of the new equipment; and (4) adopt Resolution No. 2021-24 transferring funds within the Sewer Division as Transfer No. 21.
- E. Renewal for the Environmental Liability Insurance Policy [[Director Memorandum No. 21-086 - Page 111 of 143](#)]
- RECOMMENDED ACTION: That the Board authorize the General Manager to execute the necessary documents for the renewal for environmental liability insurance policy coverage from Alliant for a sum not to exceed \$44,945.65.
- F. Authorization to Execute Quitclaim Deeds for Assessor's Parcel Numbers 0318-213-03 and 0318-213-08 [[Director Memorandum No. 21-087 - Page 130 of 143](#)]
- RECOMMENDED ACTION: That the Board authorize the General Manager to execute the attached quitclaim deed for expired construction easements.
- VII. BOARD REPORTS & DIRECTOR COMMENTS**
- VIII. ANNOUNCEMENTS**
- A. May 18, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- B. May 25, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- C. June 1, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- D. June 8, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- E. June 15, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**

- F. June 22, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- G. June 29, 2021 at 4:00 p.m. - **Board Meeting Cancelled**
- H. July 6, 2021 at 4:00 p.m. - **Board Meeting Cancelled**
- I. July 13, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- J. July 20, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- K. July 27, 2021 at 4:00 p.m. - Board Meeting - **Teleconference Only**

IX. CLOSED SESSION

- A. Closed Session--Conference with Legal Counsel:
 - 1. Existing Litigation - San Timoteo Water Management Authority vs City of Banning, et al.; Riverside County Superior Case No. RIC389197 (Government Code, Section 54956.9(d)(1))

X. ADJOURNMENT

**EXECUTIVE DEPARTMENT
STATE OF CALIFORNIA**

EXECUTIVE ORDER N-29-20

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

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

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

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

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

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

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

IT IS HEREBY ORDERED THAT:

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

otherwise-applicable Medicaid time limits in emergency situations.

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

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

In particular, any otherwise-applicable requirements that

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

are hereby suspended.

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

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

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

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

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

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

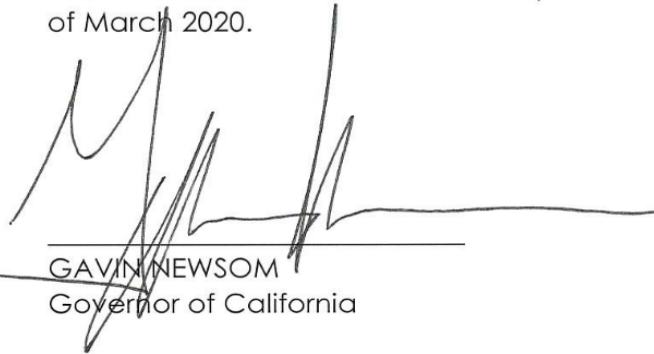
All of the foregoing provisions concerning the conduct of public meetings shall apply only during the period in which state or local public health officials have imposed or recommended social distancing measures.

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

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

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

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



GAVIN NEWSOM
Governor of California

Consent Calendar

MINUTES OF A BOARD MEETING - TELECONFERENCE

April 27, 2021 at 4:00 pm

Directors Present:

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

Staff Present:

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

Directors Absent:

None

Consulting Staff Present:

David Wysocki, Legal Counsel

Registered Guests and Others Present:

Doug Carlson, Customer
Wynona Duvall, City of Calimesa
Logan Largent, Ortega Strategies Group
Cindy McCuistion, Customer
Larry Smith, San Gorgonio Pass Water Agency

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

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

CALL TO ORDER

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

ROLL CALL

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

PUBLIC COMMENTS

None

CONSENT CALENDAR

Director Jay Bogh moved to approve the consent calendar and Director Dennis Miller seconded the motion.

A. Minutes of Meetings

1. Board Meeting - April 20, 2021

The motion was approved by the following vote:

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

STAFF REPORT

General Manager Joseph Zoba provided information about the following items:

- The Yucaipa Sustainable Groundwater Management Agency will be holding a board meeting on Wednesday, April 28, 2021 at 10:00am and a community meeting on Wednesday, April 28, 2021 at 6:00pm.
- The District staff recently implemented a new utility bill payment process that will eliminate the use of the Utah payment center. Instead utility bills will be mailed to the Yucaipa post office and payments will be processed by District staff members.
- The District staff is making progress on the closed circuit reverse osmosis system and the secondary treatment improvements at the Wochholz Regional Water Recycling Facility. Future agenda items will be scheduled to provide a detailed update on the progress of these improvements.

DISCUSSION ITEMS:

DM 21-079

General Manager Joseph Zoba discussed the updated Department of Water Resources report on Drought in California.

OVERVIEW OF THE
DEPARTMENT OF
WATER RESOURCES
REPORT - DROUGHT IN
CALIFORNIA

DM 21-080

CONSIDERATION OF
AMENDMENT NO. 3 TO
DEVELOPMENT
AGREEMENT NO. 2018-
05 FOR PARCEL 4 OF
PARCEL MAP NO.
19822

General Manager Joseph Zoba presented Amendment No. 3 to Development Agreement No. 2018-05 for Parcel 4 of Parcel Map No. 19822. The updated amendment will allow the developer to utilize their proposed groundwater well for irrigation and domestic uses. The District staff will be preparing a new connection standard to protect the District's water system from possible contamination from this site.

Director Lonni Granlund moved that the Board approve and authorize the Board President to execute Amendment No. 3 to Development Agreement No. 2018-05.

Director Jay Bogh seconded the motion.

The motion was approved by the following vote:

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

DM 21-081

STATUS REPORT ON
THE GRADING WATER
AGREEMENT FOR THE
I-10 LOGISTICS
PROJECT

General Manager Joseph Zoba presented an update on the status of the conditionally approved agreement with I-10 Logistics for grading water. At this time, the developer has been unable to secure the required insurance but they are still working to resolve this issue. An update will be provided at the next board meeting.

BOARD REPORTS AND
DIRECTOR COMMENTS

Director Joyce McIntire reported on recent news articles about the issues between the State Water Resources Control Board and Nestle Water using water resources in the San Bernardino National Forest.

Director Lonni Granlund reported on the Riverside Task Force Meeting hosted by Western Municipal Water District.

Director Dennis Miller commented on his support for expansion of the recycled water system to support more areas in the District's service area.

ANNOUNCEMENTS

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

ADJOURNMENT

The meeting was adjourned at 4:35 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary

(Seal)

Staff Report

Discussion Items



Date: May 11, 2021

Task: 87422

Prepared By: Matthew Porras, Implementation Manager

Subject: Award of a Contract for the Demolition of Structures Located at 12086 2nd Street, 12816 2nd Street, 12834 2nd Street, and a Storage Structure on 2nd Street, Yucaipa

Recommendation: That the Board award a construction contract to Interior Demolition for a sum not to exceed \$106,168 and adopt Resolution No. 2021-23 transferring \$13,793.00 from Water Infrastructure Reserves to fund the contract.

On November 10, 2020, the Board of Directors authorized the release of the Request for Proposals for the demolition of structures and a storage building located on 2nd Street, Yucaipa. [Director Memorandum 20-168]



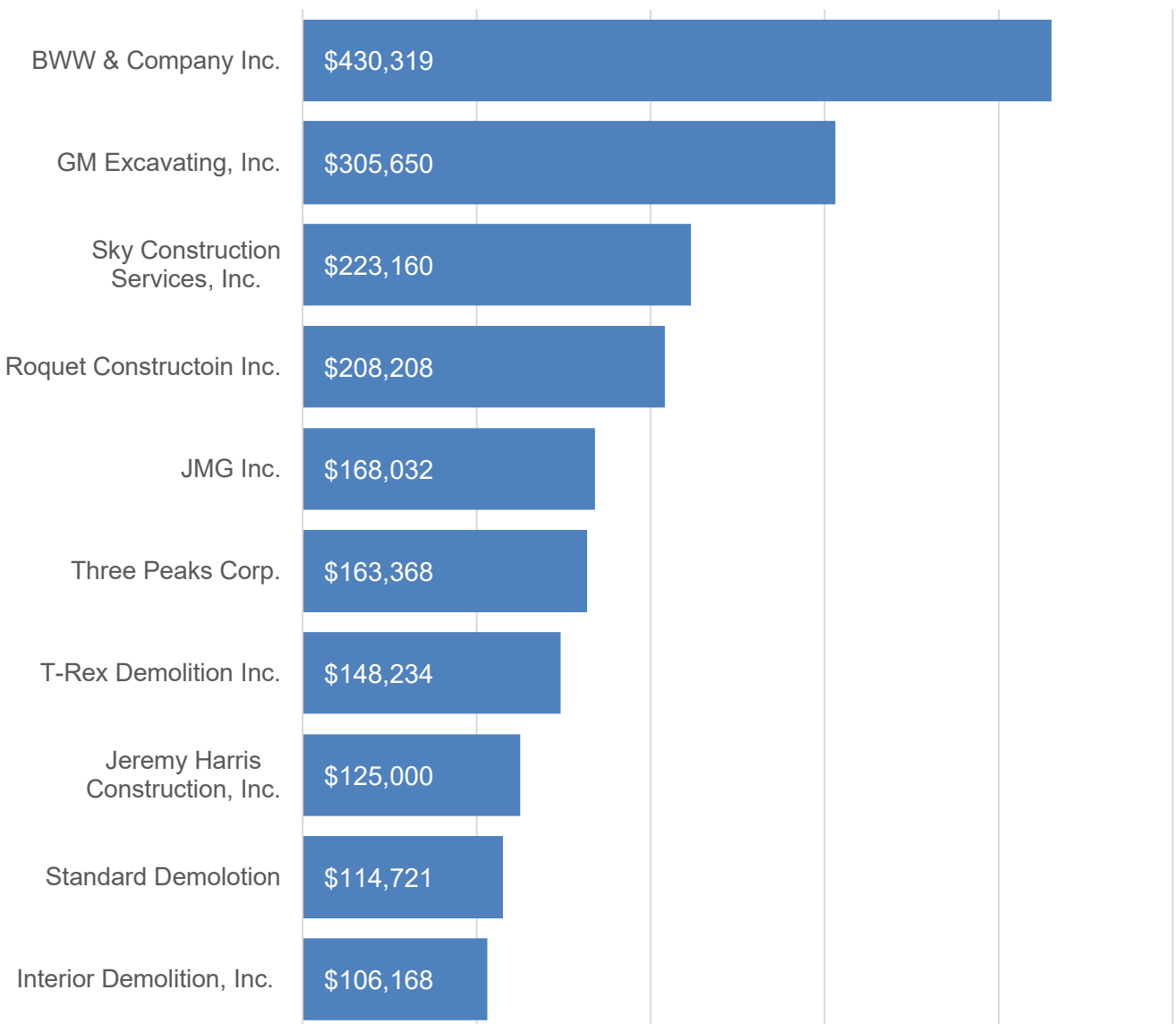
The storage facility located on 2nd Street that will be demolished is pictured below.



The proposals for demolishing the structures have been reviewed by District staff and the staff recommends awarding a construction contract to Interior Demolition Inc. for a sum not to exceed \$106,168 and adopt Resolution No. 2021-23 transferring the difference of funds from Water Infrastructure Reserves to fund the construction contract.

This project was previously bid and awarded to Earthworks Engineering for a sum of \$92,375 but was terminated due to the contractor’s non-responsiveness. [Director Memorandum 21-060] At the time of the initial contract, a fund transfer was completed for \$92,375 as Resolution No. 2020-63. The attached Resolution No. 2021-23 will transfer \$13,793 which represents the difference between the previous fund transfer [Director Memorandum 20-183] for \$92,375 and the current contract amount of \$106,168.

Demolition of Structures - Bid Results



The project will be funded by the Water Fund, Infrastructure Reserves [G/L Account #02-000-10311].

RESOLUTION NO. 2021-23

RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT TRANSFERRING FUNDS WITHIN THE WATER FUND AS TRANSFER NO. 20 FOR FISCAL YEAR 2021

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

WHEREAS, the Board of Directors has authorized the construction contract for the Demolition of Structures on 2nd Street Project for a sum not to exceed \$106,168 [Director Memorandum No. 21-999], and

WHEREAS, a previous transfer was completed [Director Memorandum No. 20-183, Resolution No. 2020-63, Transfer No. 14] for \$92,375.

WHEREAS, this Resolution authorizes the remaining \$13,793.00 [Director Memorandum No. 21-082].

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

Section 1: Fund Transfer No. 20 in the amount of \$13,793.00 from the Water Fund Infrastructure Reserves (02-000-10311) to fund the construction contract awarded for the Demolition of Structures on 2nd Street, Yucaipa.

PASSED, APPROVED and ADOPTED this 11th day of May 2021.

YUCAIPA VALLEY WATER DISTRICT

Chris Mann, President Board of Directors

ATTEST:

Joseph B. Zoba, General Manager



Date: May 11, 2021

Task: N/A

Prepared By: Allison M. Edmisten, Chief Financial Officer

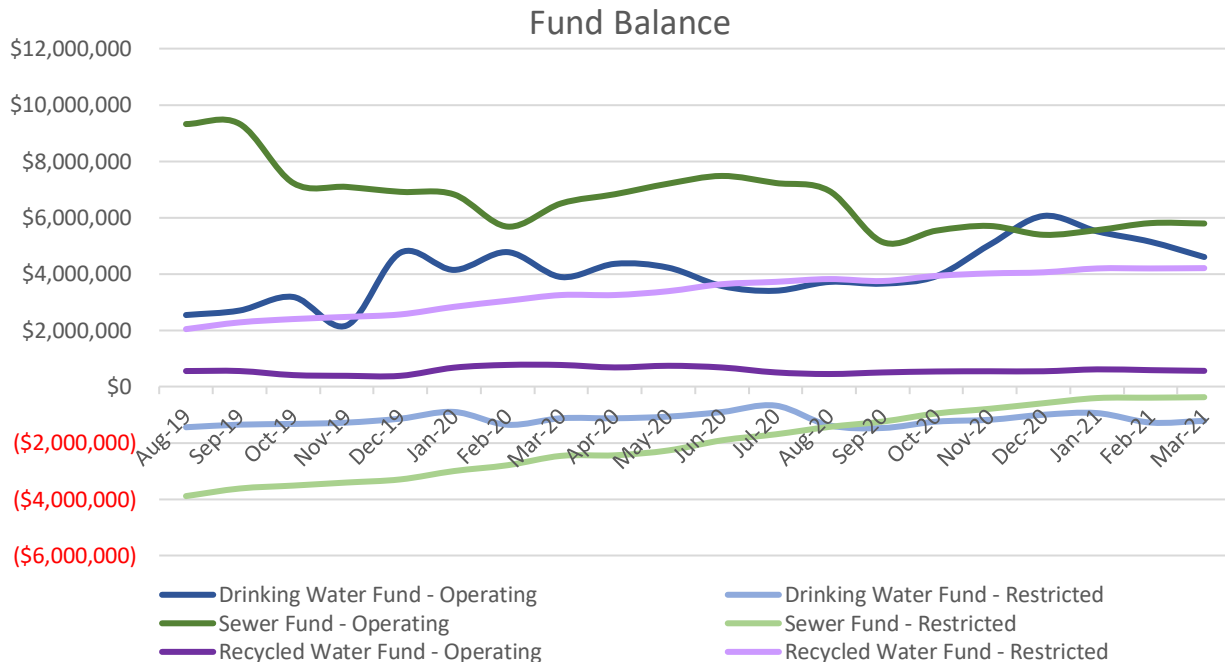
Subject: Presentation of the Unaudited Financial Report for the Period Ending on April 30, 2021

Recommendation: That the Board receive and file the unaudited financial report.

The following unaudited financial report has been prepared by the Administrative Department for your review. Please remember that the following financial information has not been audited.

Cash Fund Balance and Cash Flow Reports

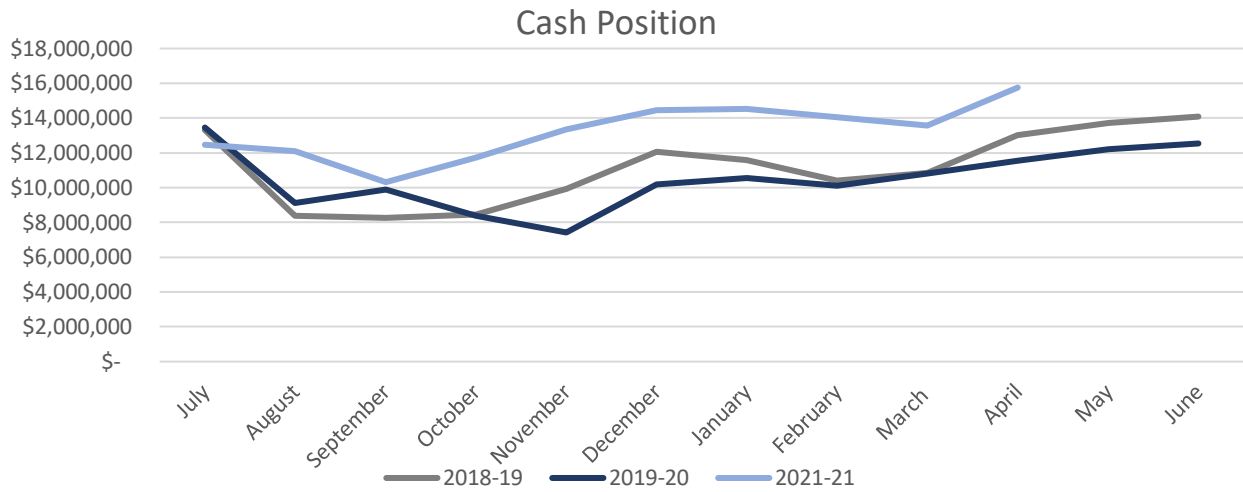
The Cash Fund Balance Report provides a summary of how the total amount of funds maintained by financial institutions is distributed throughout the enterprise and non-enterprise funds of the District. A summary of the report is as follows:



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.

Cash Fund Balance Report - April 2021

Water Division		GL#	Balance
Restricted	ID 1 Construction Funds	02-000-10216	\$ 293,145.85
	ID 2 Construction Funds	02-000-10217	\$ -
	FCC - Debt Service YVRWFF Phase I	02-000-10401	\$ (6,752,917.60)
	FCC - Future YVRWFF Phase II & III	02-000-10403	\$ 692,996.38
	FCC - Recycled System	02-000-10410	\$ (442,796.55)
	FCC - Booster Pumping Plants	02-000-10411	\$ 1,054,015.29
	FCC - Pipeline Facilities	02-000-10412	\$ 1,261,929.99
	FCC - Water Storage Reservoirs	02-000-10413	\$ 2,756,159.85
Subtotal Restricted Funds			\$ (1,137,466.79)
Operating	Infrastructure Reserves	02-000-10311	\$ 2,895,300.81
	Sustainability Fund	02-000-10313	\$ 135,708.86
	Rate Stabilization Fund	02-000-10314	\$ 500,209.14
	Supplemental Water Fund - San Bernardino	02-000-10315	\$ 947,816.69
	Supplemental Water Fund - Riverside	02-000-10316	\$ 844,855.20
	Operating Funds:		\$ 611,729.31
Subtotal Operating Funds			\$ 5,935,620.01
Total Water Division			\$ 4,798,153.22
Sewer Division		GL#	Balance
Restricted	SRF Reserve Fund - Brineline	03-000-10218	\$ 637,449.00
	SRF Reserve Fund - WISE	03-000-10219	\$ 184,928.00
	SRF Reserve Fund - R 10.3	03-000-10220	\$ 51,531.00
	SRF Reserve Fund - Crow St	03-000-10221	\$ 19,255.00
	FCC - Debt Service WWTP Expansion & Upgrade	03-000-10405	\$ 4,115,535.24
	FCC - Future WWTP Expansion	03-000-10407	\$ 3,001,403.99
	FCC - Sewer Interceptors	03-000-10415	\$ (512,425.35)
	FCC - Lift Stations	03-000-10416	\$ 482,472.67
	FCC - Effluent Disposal Facilities	03-000-10417	\$ (1,091,091.74)
	FCC - Salt Mitigation Facilities	03-000-10418	\$ (7,077,847.93)
Subtotal Restricted Funds			\$ (188,790.12)
Operating	Project Fund - Encumbered	03-000-10215	\$ 646,500.00
	Infrastructure Reserves	03-000-10311	\$ 6,161,247.16
	Rate Stabilization Fund	03-000-10314	\$ 1,464,394.90
	Operating Funds:		\$ (2,035,782.69)
Subtotal Operating Funds			\$ 6,236,359.37
Total Wastewater Division			\$ 6,047,569.25
Recycled Water Division		GL#	Balance
Restricted	FCC - Recycled System	04-000-10410	\$ 406,578.84
	FCC - Booster Pumping Plants	04-000-10411	\$ 271,167.05
	FCC - Pipeline Facilities	04-000-10412	\$ 1,980,845.22
	FCC - Water Storage Reservoirs	04-000-10413	\$ 1,667,573.07
Subtotal Restricted Funds			\$ 4,326,164.18
Oper	Infrastructure Reserves	04-000-10311	\$ 434,396.39
	Operating Funds:		\$ 473,709.68
Subtotal Operating Funds			\$ 583,268.80
Total Recycled Water Division			\$ 4,909,432.98
DISTRICT TOTAL			\$ 15,755,155.45

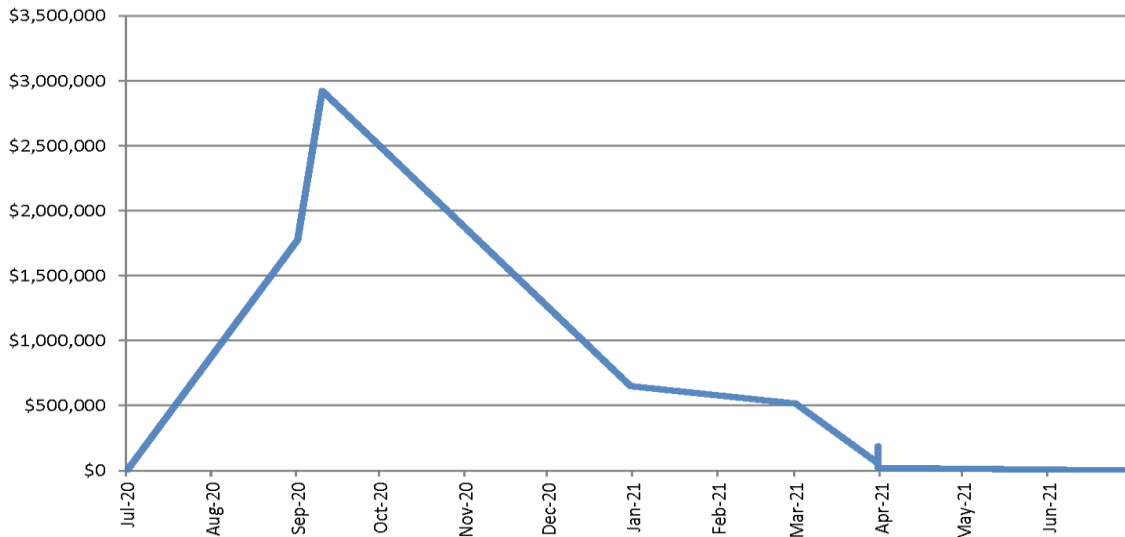


The Cash Flow Report provides a list of the debt service payment due dates and amounts as well as the cash flow requirements for debt service for each month of the fiscal year.

Cash Flow Report for Fiscal Year 2020-21

Financial Obligations for Fiscal Year 2020-21				
Due Date	Fund	Description	Term of Obligation	Amount
9/1/2020	Water	2015A Bond Payment - YVRWFF	2015-2034	\$ 1,776,681.25
9/10/2020	Sewer	SRF Payment - WRWRF	2009-2028	\$ 2,923,668.75
12/31/2020	Sewer	SRF Payment - Yucaipa Regional Brineline	2013-2032	\$ 649,273.50
3/1/2021	Water	2015A Bond Payment - YVRWFF	2015-2034	\$ 515,931.25
3/31/2021	Sewer	SRF Payment - Recycled Reservoir R-10.3	2014-2033	\$ 54,277.31
3/31/2021	Sewer	SRF Payment - Desalinization at WRWRF	2014-2033	\$ 185,251.30
3/31/2021	Sewer	SRF Payment - Crow Street/Recycled Booster B-12.1	2016-2035	\$ 21,223.27
Total				\$ 6,126,306.63

Payment Schedule and Cash Flow Requirements for Fiscal Year 2020-21



Cash Disbursement Report

The cash disbursement report lists each check and electronic payment processed during the month. 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.

Check Register - April 2021

Date	Check #	Payee or Description	Amount
4/5/2021	38894	ADS, LLC	\$ 6,210.00
4/5/2021	38895	Ameripride Uniform Services	\$ 836.34
4/5/2021	38896	Atlas Copco Compressors, LLC	\$ 54,646.20
4/5/2021	38897	BSK Associates	\$ 2,365.00
4/5/2021	38898	C & B Crushing, Inc.	\$ 120.00
4/5/2021	38899	Calmat Company	\$ 2,087.72
4/5/2021	38900	Caselle, Inc.	\$ 2,870.00
4/5/2021	38901	CDW LLC	\$ 266.88
4/5/2021	38902	City of Yucaipa	\$ 1,156.00
4/5/2021	38903	Coverall North America, Inc.	\$ 805.00
4/5/2021	38904	Crown Ace Hardware - Yucaipa	\$ 75.01
4/5/2021	38905	DSLPROS	\$ 10,358.00
4/5/2021	38906	Epic Pest Management	\$ 85.00
4/5/2021	38907	Evoqua Water Technologies LLC	\$ 303.05
4/5/2021	38908	Fedex	\$ 69.89
4/5/2021	38909	First American Data Tree, LLC	\$ 50.00
4/5/2021	38910	Hach Company	\$ 861.08
4/5/2021	38911	JW D'Angelo Co.	\$ 11,117.71
4/5/2021	38912	Keely Neimeyer	\$ 6.64
4/5/2021	38913	Merit Oil Company	\$ 3,198.20
4/5/2021	38914	NetComp Technologies, Inc.	\$ 1,462.77
4/5/2021	38915	Pacific Coast Landscape & Design, Inc.	\$ 4,725.00
4/5/2021	38916	Ponton Industries, Inc	\$ 1,398.85
4/5/2021	38917	Q Versa, LLC	\$ 13,438.72
4/5/2021	38918	Quadient Leasing USA, Inc	\$ 353.07
4/5/2021	38919	REVIZE SOFTWARE SYSTEMS	\$ 2,850.00
4/5/2021	38920	SCE Rosemead	\$ 191,113.37
4/5/2021	38921	South Mesa Water Company	\$ 50.00
4/5/2021	38922	The Gas Company	\$ 5,244.66
4/5/2021	38923	Underground Service Alert Of So. CA	\$ 354.85
4/5/2021	38924	USA BlueBook	\$ 2,298.62
4/5/2021	38925	Yucaipa Valley Water District	\$ 59,817.25
4/9/2021	38926	California State Disbursement Unit	\$ 628.14
4/9/2021	38927	IBEW Local #1436	\$ 690.00
4/9/2021	38928	WageWorks Inc	\$ 1,668.47

Check Register - April 2021

Date	Check #	Payee or Description	Amount
4/5/2021	38923	Underground Service Alert Of So. CA	\$ 354.85
4/5/2021	38924	USA BlueBook	\$ 2,298.62
4/5/2021	38925	Yucaipa Valley Water District	\$ 59,817.25
4/9/2021	38926	California State Disbursement Unit	\$ 628.14
4/9/2021	38927	IBEW Local #1436	\$ 690.00
4/9/2021	38928	WageWorks Inc	\$ 1,668.47
4/12/2021	38929	Doug Earnest	\$ 685.14
4/12/2021	38930	Joe DeSalliers	\$ 603.35
4/12/2021	38931	Peggy Little	\$ 685.14
4/12/2021	38932	Robert Wall	\$ 799.13
4/12/2021	38933	Alpine Springs	\$ 62.45
4/12/2021	38934	Ameripride Uniform Services	\$ 837.03
4/12/2021	38935	Best Home Center	\$ 68.93
4/12/2021	38936	Bogh Engineering	\$ 29.89
4/12/2021	38937	Brenntag Pacific, Inc	\$ 5,741.63
4/12/2021	38938	California Water Environment Association	\$ 192.00
4/12/2021	38939	California Water Technologies, LLC	\$ 6,321.71
4/12/2021	38940	Clinical Laboratory of San Bernardino	\$ 29,584.00
4/12/2021	38941	Corelogic, Inc.	\$ 330.00
4/12/2021	38942	Coverall North America, Inc.	\$ 526.00
4/12/2021	38943	Evoqua Water Technologies LLC	\$ 2,287.61
4/12/2021	38944	Fastenal Company	\$ 1,971.85
4/12/2021	38945	Forstra Filters, Inc.	\$ 11,788.94
4/12/2021	38946	Freedom Mailing Services	\$ 7,963.70
4/12/2021	38947	Frontier Communications	\$ 174.11
4/12/2021	38948	Fuel Serv	\$ 2,818.56
4/12/2021	38949	G&G Environmental Compliance, Inc	\$ 6,369.88
4/12/2021	38950	GLS US	\$ 77.31
4/12/2021	38951	Grainger	\$ 98.48
4/12/2021	38952	Hach Company	\$ 8,833.27
4/12/2021	38953	Harper & Associates Eng., Inc.	\$ 3,000.00
4/12/2021	38954	Hasa, Inc.	\$ 3,807.43
4/12/2021	38955	Inland Water Works Supply Co.	\$ 5,989.82
4/12/2021	38956	JW D'Angelo Co.	\$ 25,345.02
4/12/2021	38957	Konica Minolta Business Solutions	\$ 887.57
4/12/2021	38958	Larry Cross	\$ 406.12
4/12/2021	38959	Les Schwab Tire Center	\$ 1,556.70
4/12/2021	38960	Merit Oil Company	\$ 3,009.18
4/12/2021	38961	NCL Of Wisconsin Inc	\$ 4,036.97
4/12/2021	38962	SCAP	\$ 3,119.00
4/12/2021	38963	Superior Automotive Warehouse, Inc	\$ 81.76
4/12/2021	38964	Time Warner Cable	\$ 1,732.15
4/12/2021	38965	TSG Cherry Valley, LP	\$ 46,090.03

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Date	Check #	Payee or Description	Amount
4/12/2021	38966	Waterwisepro Training LLC	\$ 5,625.00
4/12/2021	38967	Berkshire Hathaway Homestate Companies	\$ 20,661.42
4/12/2021	38968	Concentra	\$ 66.50
4/13/2021	38969	Goldak Inc	\$ 161.15
4/13/2021	38970	Track Technologies	\$ 2,750.00
4/19/2021	38971	Borden Excavating, Inc.	\$ 47,500.00
4/19/2021	38972	David L. Wysocki	\$ 6,862.50
4/19/2021	38973	Delta Partners, LLC	\$ 7,500.00
4/19/2021	38974	Dudek & Associates, Inc	\$ 9,335.00
4/19/2021	38975	Geoscience Support Services, Inc.	\$ 16,588.25
4/19/2021	38976	Inland Potable Services, Inc.	\$ 70,227.00
4/19/2021	38977	One Stop Landscape Supply Inc	\$ 26,320.50
4/19/2021	38978	Separation Processes, Inc.	\$ 2,179.50
4/19/2021	38979	Borden Excavating, Inc.	\$ 23,032.20
4/19/2021	38980	Ameripride Uniform Services	\$ 828.43
4/19/2021	38981	AT&T Mobility	\$ 1,992.50
4/19/2021	38982	Autodesk, Inc.	\$ 8,410.00
4/19/2021	38983	B.L. Wallace Distributor Inc.	\$ 4,749.62
4/19/2021	38984	Best Home Center	\$ 213.12
4/19/2021	38985	BofA Credit Card	\$ 4,187.06
4/19/2021	38986	Brenntag Pacific, Inc	\$ 15,218.53
4/19/2021	38987	Calmat Company	\$ 2,603.94
4/19/2021	38988	Clark Pest Control	\$ 115.00
4/19/2021	38989	Contron Scada Systems	\$ 4,400.88
4/19/2021	38990	Dudek & Associates, Inc	\$ 3,113.75
4/19/2021	38991	Evoqua Water Technologies LLC	\$ 1,148.18
4/19/2021	38992	Fieldman, Rolapp & Associates, Inc.	\$ 500.00
4/19/2021	38993	Fresno Oxygen	\$ 6,757.51
4/19/2021	38994	Grainger	\$ 349.09
4/19/2021	38995	Hach Company	\$ 10,919.39
4/19/2021	38996	Inland Water Works Supply Co.	\$ 675.95
4/19/2021	38997	JW D'Angelo Co.	\$ 4,462.41
4/19/2021	38998	Lawrence Roll Up Doors, Inc.	\$ 1,478.98
4/19/2021	38999	Les Schwab Tire Center	\$ 1,886.71
4/19/2021	39000	Mercedes Scientific	\$ 166.86
4/19/2021	39001	Merit Oil Company	\$ 2,176.53
4/19/2021	39002	NCL Of Wisconsin Inc	\$ 126.74
4/19/2021	39003	NetComp Technologies, Inc.	\$ 2,600.00
4/19/2021	39004	Pollardwater	\$ 438.76
4/19/2021	39005	Redline	\$ 10,535.71
4/19/2021	39006	Separation Processes, Inc.	\$ 5,593.00
4/19/2021	39007	South Coast A.Q.M.D.	\$ 557.42
4/19/2021	39008	Spectrum Business	\$ 3,668.00

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Date	Check #	Payee or Description	Amount
4/19/2021	39009	Superior Automotive Warehouse, Inc	\$ 224.55
4/19/2021	39010	The Counseling Team International	\$ 675.00
4/19/2021	39011	Westech Engineering	\$ 548.48
4/23/2021	39012	CRESPO, LUIS H	\$ 548.55
4/23/2021	39013	California State Disbursement Unit	\$ 628.14
4/23/2021	39014	WageWorks Inc	\$ 1,686.89
4/26/2021	39015	VOID	\$ -
4/26/2021	39016	VOID	\$ -
4/26/2021	39017	VOID	\$ -
4/26/2021	39018	VOID	\$ -
4/26/2021	39019	VOID	\$ -
4/26/2021	39020	VOID	\$ -
4/26/2021	39021	VOID	\$ -
4/26/2021	39021	Doug Earnest	\$ 685.14
4/26/2021	39022	Joe DeSalliers	\$ 603.35
4/26/2021	39023	Peggy Little	\$ 685.14
4/26/2021	39024	Robert Wall	\$ 799.13
4/26/2021	39025	Taylor Corporation	\$ 213.29
4/26/2021	39026	WageWorks, Inc.	\$ 191.75
4/26/2021	39027	YVWD-Petty Cash	\$ 394.82
4/26/2021	39028	All American Sewer Tools	\$ 2,443.79
4/26/2021	39029	Ameripride Uniform Services	\$ 825.68
4/26/2021	39030	Aqua-Metric Sales Company	\$ 27,012.00
4/26/2021	39031	B.L. Wallace Distributor Inc.	\$ 12,983.62
4/26/2021	39032	Bernell Hydraulics, Inc.	\$ 399.97
4/26/2021	39033	Burgeson's Heating & Air Cond. Inc	\$ 1,680.00
4/26/2021	39034	C & B Crushing, Inc.	\$ 660.00
4/26/2021	39035	Cobb's Printing, LLC	\$ 80.81
4/26/2021	39036	County of Riverside	\$ 1,136.00
4/26/2021	39037	Daily Journal Corporation	\$ 662.20
4/26/2021	39038	Evoqua Water Technologies LLC	\$ 1,196.07
4/26/2021	39039	EXTREME PLATES, LLC	\$ 10,138.43
4/26/2021	39040	Forestry Suppliers Inc.	\$ 369.00
4/26/2021	39041	Frontier Communications	\$ 46.25
4/26/2021	39042	GLS US	\$ 34.32
4/26/2021	39043	Grainger	\$ 2,141.25
4/26/2021	39044	Hasa, Inc.	\$ 3,737.43
4/26/2021	39045	Home Depot U.S.A. Inc	\$ 1,801.12
4/26/2021	39046	Inland Water Works Supply Co.	\$ 634.16
4/26/2021	39047	JW D'Angelo Co.	\$ 20,329.30
4/26/2021	39048	Kathy Estopinal	\$ 31.43
4/26/2021	39049	Les Schwab Tire Center	\$ 1,965.64
4/26/2021	39050	Merit Oil Company	\$ 2,292.77

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Date	Check #	Payee or Description	Amount
4/26/2021	39051	Mike McCormack	\$ 62.76
4/26/2021	39052	NCL Of Wisconsin Inc	\$ 1,604.18
4/26/2021	39053	Nexa	\$ 675.00
4/26/2021	39054	Pro-Pipe & Supply, Inc.	\$ 26.88
4/26/2021	39055	Redline	\$ 4,246.82
4/26/2021	39056	Ryan Herco Products Corp	\$ 2,038.23
4/26/2021	39057	San Bdno. Valley Muni. Water Dist.	\$ 12,352.20
4/26/2021	39058	SB CNTY-Fire Protection District	\$ 2,520.00
4/26/2021	39059	Sinclair Rock and Sand Inc.	\$ 26,325.00
4/26/2021	39060	Southern CA Emergency Medicine, Inc.	\$ 75.00
4/26/2021	39061	Spectrum Business	\$ 2,649.00
4/26/2021	39062	TPX Communications	\$ 2,203.66
4/26/2021	39063	Uline, Inc.	\$ 2,194.42
4/26/2021	39064	US Bank	\$ 4,070.79
4/26/2021	39065	Aflac	\$ 2,635.64
4/26/2021	39066	Blue Shield of California	\$ 4,960.70
4/26/2021	39067	Nippon Life Insurance Co	\$ 2,804.40
4/26/2021	39068	Standard Dental Insurance Co	\$ 1,325.32
4/26/2021	39069	Standard Insurance Vision Plan	\$ 357.04
4/26/2021	39070	Western Dental Services Inc	\$ 230.92
			<u>\$ 1,084,019.87</u>
4/9/2021	electronic pmt	DIRECT DEPOSIT TOTAL	\$ 156,470.34
4/9/2021	electronic pmt	CalPERS 457 & Loan	\$ 30,074.15
4/9/2021	electronic pmt	CalPERS Retirement	\$ 34,174.64
4/9/2021	electronic pmt	EDD - State of California	\$ 11,763.93
4/9/2021	electronic pmt	IRS	\$ 65,274.27
4/9/2021	electronic pmt	VOYA 457 Retirement Plan	\$ 4,509.55
4/23/2021	electronic pmt	DIRECT DEPOSIT TOTAL	\$ 154,919.19
4/23/2021	electronic pmt	CalPERS 457 & Loan	\$ 28,124.87
4/23/2021	electronic pmt	EDD - State of California	\$ 12,229.44
4/23/2021	electronic pmt	IRS	\$ 65,466.80
4/23/2021	electronic pmt	VOYA 457 Retirement Plan	\$ 4,509.55
4/26/2021	electronic pmt	CalPERS Health Insurance	\$ 98,245.98
4/26/2021	electronic pmt	CalPERS Retirement	\$ 35,505.99
			<u>\$ 701,268.70</u>

Fiscal Year 2020-21 Reserve Transfers									
Reserve Account - 10311									
Transfer Date	DM #	DM Date	Project	Description	Water	Sewer	Recycled	Transfer #	Resolution
7/31/2020	20-118	7/21/2020	1	Reservoir 16.6	\$ 183,592				
7/31/2020	20-083	5/26/2020	2	Solar at Water Plant	\$ 144,853				
8/11/2020	20-123	8/11/2020	3	Windows 2019 Fileserver (Providence)	\$ 21,783	\$ 21,783	\$ 4,841	1-3	2020-36
8/11/2020	18-232	10/9/2018	4	AMI Project	\$ 129,046				
8/11/2020	20-118	7/21/2020	1	Reservoir 16.6	\$ 27,033				
8/11/2020	20-033	3/24/2020	5	Reservoir 18.4 Electrical	\$ 14,750				
8/25/2020	20-127	8/25/2020	6	Closed Circuit Reverse Osmosis System		\$ 190,000		4	2020-37
8/30/2020	20-118	7/21/2020	1	Reservoir 16.6	\$ 9,563				
9/15/2020	20-132	9/8/2020	7	Wastewater Forsta Auto Strainers (6)		\$ 487,000		7	2020-39
9/30/2020	18-232	10/9/2018	4	AMI Project	\$ 78,454				
9/30/2020	20-140	9/22/2020	9	Skid Steer & Trailer	\$ 4,092	\$ 4,092		8-9	2020-41
9/30/2020	20-073	5/12/2020	10	Wastewater Secondary Treatment		\$ 18,821			
10/20/2020	20-054	4/14/2020	11	Vehicles (approved 4/2020)	\$ 79,848	\$ 79,848		3-4	2020-22
12/10/2020	20-146	10/6/2020	12	Property Purchase 12806 Second Street	\$ 107,500	\$ 107,500		10-11	2020-48
12/10/2020	18-232	10/9/2018	4	AMI Project	\$ 14,277				
12/10/2020	20-179	12/8/2020	13	YVRWFF Air Conditioning	\$ 29,650			12	2020-59
12/31/2020	20-181	12/15/2020	14	16" Wildwood Canyon Pipeline	\$ 397,068			13	2020-61
12/31/2020	20-183	12/22/2020	15	2nd Street Demolition	\$ 92,375			14	2020-63
2/9/2021	21-021	2/2/2021	16	Low Pressure Air Compressor		\$ 55,479		15	2021-10
4/26/2021	21-021	2/2/2021	16	Low Pressure Air Compressor		\$ (2,263)			
4/1/2021	21-031	2/23/2021	17	Injection Well - Geoscience		\$ 450,818		16	2021-11
4/1/2021	21-040	3/2/2021	18	Chemical Storage Tank - YVRWFF	\$ 62,450			16a	2021-14
4/1/2021	21-044	3/9/2021	19	ISCO Sampler Purchase		\$ 36,496		17	2021-15
4/26/2021	21-076	4/20/2021	20	Air Scrubbers & Door Repair		\$ 25,000		18	2021-21
4/26/2021	21-077	4/20/2021	21	Well 46 Replacement Motor	\$ 31,806			19	2021-22

Total Transfers from Reserves	\$ (1,428,140)	\$ (1,474,574)	\$ (4,841)
Beginning Balance @ 7/1/20	\$ 2,570,713	\$ 7,635,821	\$ 320,486
Contribution to Reserves 2020-21	\$ 1,656,379	\$ -	\$ 118,751
Ending Balance @ 6/30/21	\$ 2,798,953	\$ 6,161,247	\$ 434,396

Fiscal Year 2020-21 Reserve Transfers						
Transfer Date	DM #	DM Date	Project	Description	Water Reserve Account	
					10217-Water Fund Impr. District 2	
12/31/2020	20-181	12/15/2020	13	16" Wildwood Canyon Pipeline	\$ 80,409	2020-61

Total Transfers from Reserves \$ (80,409) \$ - \$ -

Beginning Balance @ 7/1/20 \$ 80,409

Contribution to Reserves 2020-21

Ending Balance @ 6/30/21 \$ - \$ - \$ -

Transfer Date	DM #	DM Date	Project	Description	Water Reserve Account		
					10411-FCC Booster Pumping	10412-FCC Pipeline	10413-FCC Water Reservoir
9/15/2020	20-131	9/8/2020	8	R 16.2 Reservoir Design	\$ 87,836	\$ 63,974	\$ 33,890

Total Transfers from Reserves \$ (87,836) \$ (63,974) \$ (33,890)

Beginning Balance @ 7/1/20 \$ 1,020,535 \$ 1,004,149 \$ 2,548,478

Contribution to Reserves 2020-21 \$ 39,993 \$ 138,512 \$ 111,639

Ending Balance @ 6/30/21 \$ 972,693 \$ 1,078,687 \$ 2,626,228

Transfer Date	DM #	DM Date	Project	Description	Recycled Reserve Account		
					10411-FCC Booster Pumping	10412-FCC Pipeline	10413-FCC Recycled Water Reservoir
9/15/2020	20-131	9/8/2020	8	R 16.2 Reservoir Design	\$ 97,816	\$ 71,243	\$ 37,741

Total Transfers from Reserves \$ (97,816) \$ (71,243) \$ (37,741)

Beginning Balance @ 7/1/20 \$ 286,758 \$ 1,642,634 \$ 1,375,298

Contribution to Reserves 2020-21 \$ 16,647 \$ 82,896 \$ 66,813

Ending Balance @ 6/30/21 \$ 205,589 \$ 1,654,287 \$ 1,404,370

Fiscal Year 2020-21 Reserve Transfers

Summary of Projects

Project	Description	Total Reserves Transfer
1	Reservoir 16.6	\$ 220,188
2	Solar at Water Plant	\$ 144,853
3	Windows 2019 Fileserver (Providence)	\$ 48,406
4	AMI Project	\$ 221,777
5	Reservoir 18.4 Electrical	\$ 14,750
6	Closed Circuit Reverse Osmosis System	\$ 190,000
7	Wastewater Forsta Auto Strainers (6)	\$ 487,000
8	R 16.2 Reservoir Design	\$ 392,500
9*	Skid Steer & Trailer	\$ 130,384
10	Wastewater Secondary Treatment	\$ 18,821
11	Vehicles (approved 4/2020)	\$ 159,696
12	Property Purchase 12806 Second Street	\$ 215,000
13	YVRWFF Air Conditioning	\$ 29,650
14	16" Wildwood Canyon Pipeline	\$ 477,477
15	2nd Street Demolition	\$ 92,375
16	Low Pressure Air Compressor	\$ 55,479
17	Injection Well - Geoscience	\$ 450,818
18	Chemical Storage Tank - YVRWFF	\$ 62,450
19	ISCO Sampler Purchase	\$ 36,496
20	Air Scrubbers & Door Repair	\$ 25,000
21	Well 46 Replacement Motor	\$ 31,806

* Transfer completed in prior year = \$ 122,200

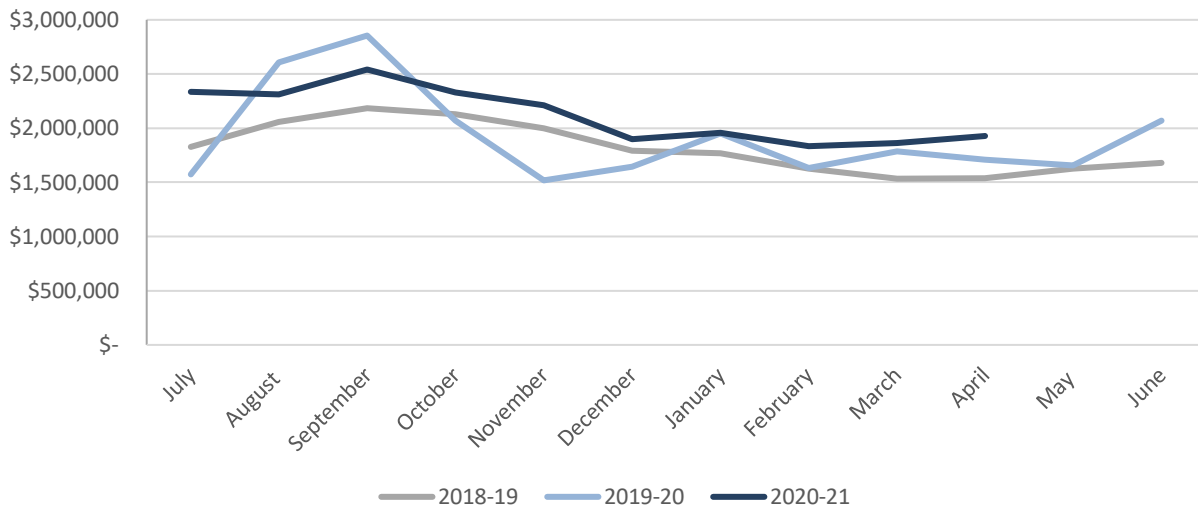
* Transfer completed in prior year = \$ 5,235

Partial Reversal of transfer \$ (2,263)

Financial Account Information

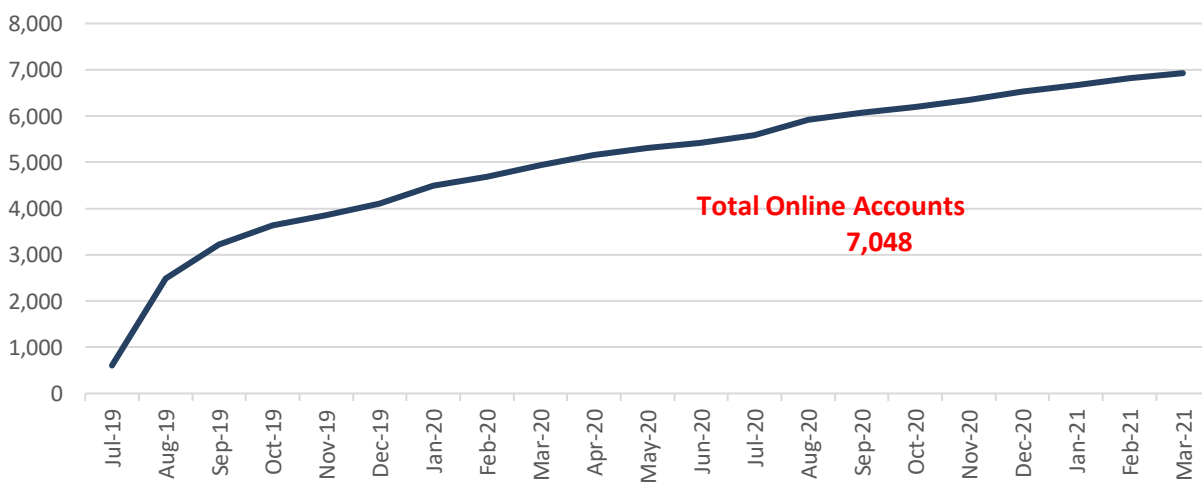
The District currently deposits all revenue received via mail or in person into the Deposit Checking account. All revenue received through Xpress Bill Pay is kept in a separate account and transferred weekly to the Deposit Checking account. The General Checking account is used as a sole processing account 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.

Monthly Utility Revenue

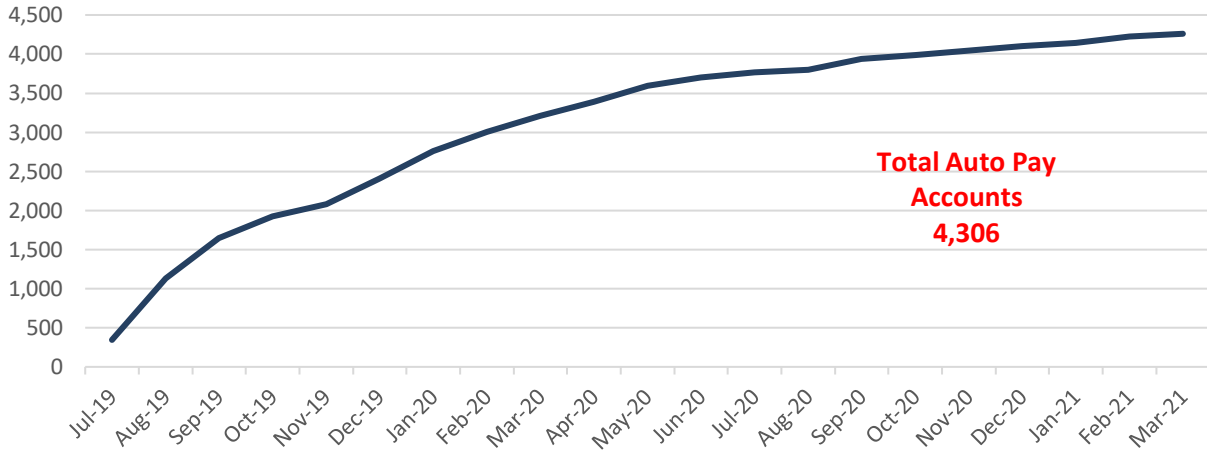


Xpress Bill Pay: Xpress Bill Pay is a third-party vendor the District utilizes to process credit card payments, echecks, online payments from customers, Lockbox payments processed offsite, as well as phone payments processed without a live customer service representative.

Xpress Bill Pay Online Account Enrollment

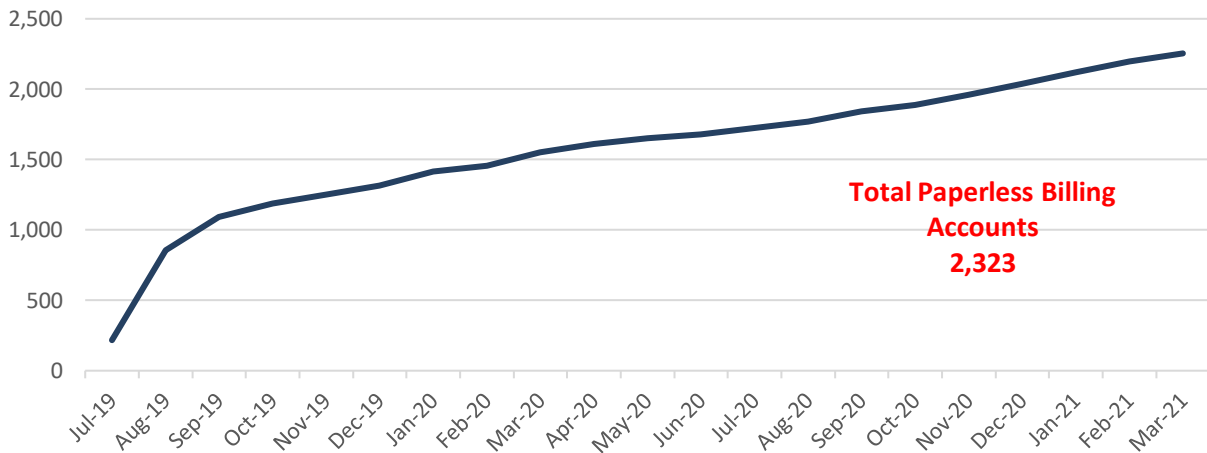


Auto Pay Account Enrollment



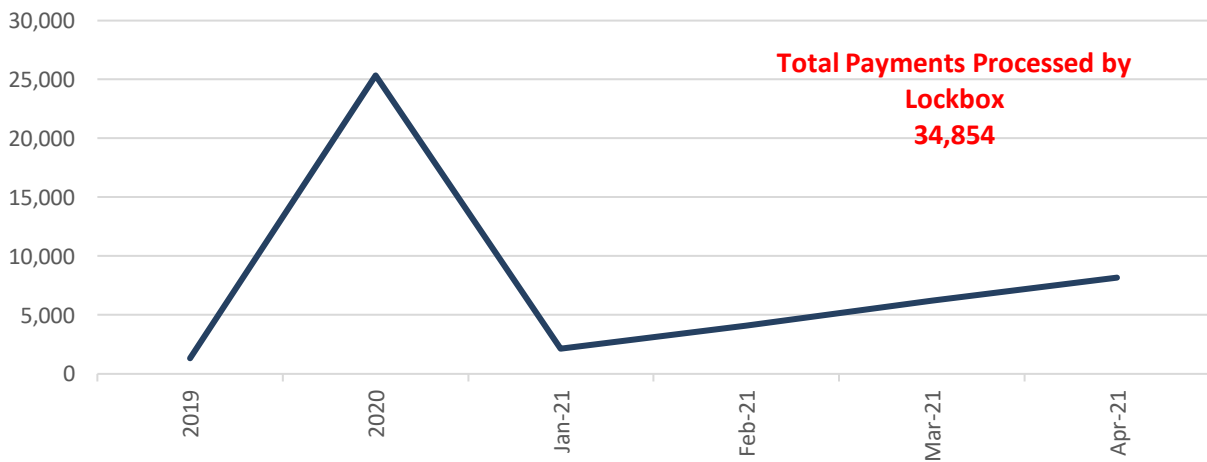
**Total Auto Pay
Accounts
4,306**

Paperless Billing Account Enrollment



**Total Paperless Billing
Accounts
2,323**

Xpress Bill Pay - Payments Processed by Lockbox

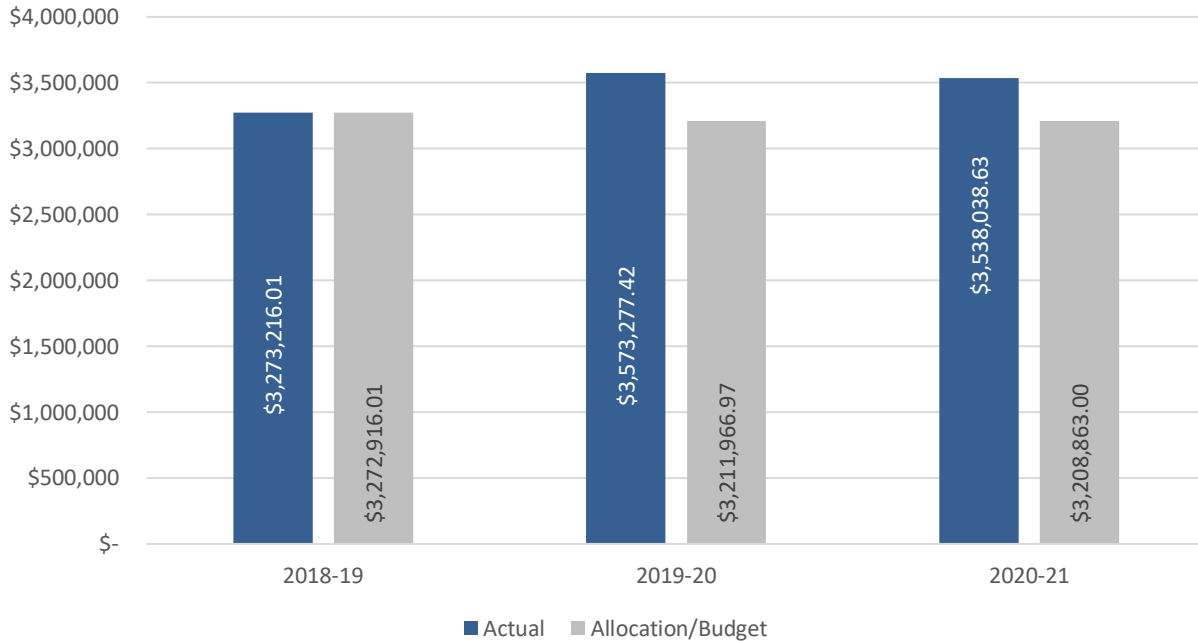


**Total Payments Processed by
Lockbox
34,854**

Summary of Property Tax Revenue:

Current Month	Year-to-Date	Budget Amount	Percentage
Property Taxes	\$ 3,538,039	\$ 3,208,863	110.26%

Property Taxes - Actual vs. Budget



Investment Summary

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. 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.

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.

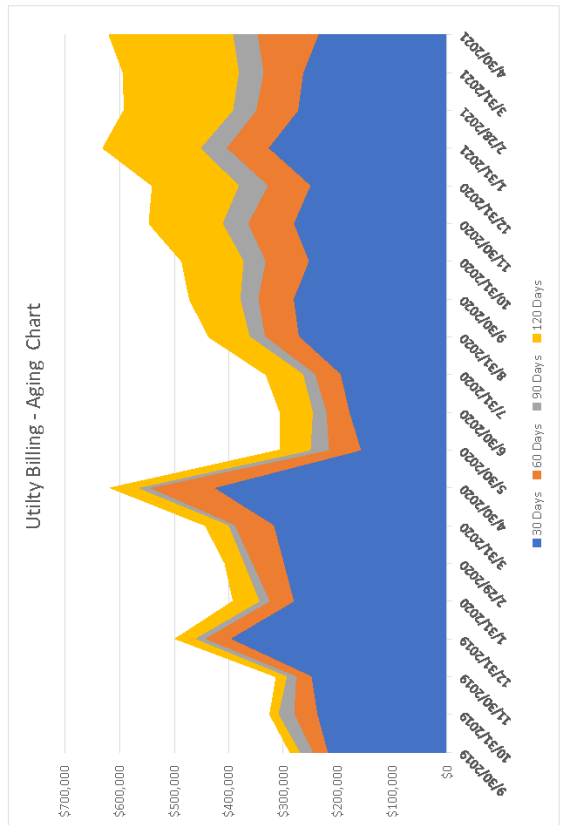
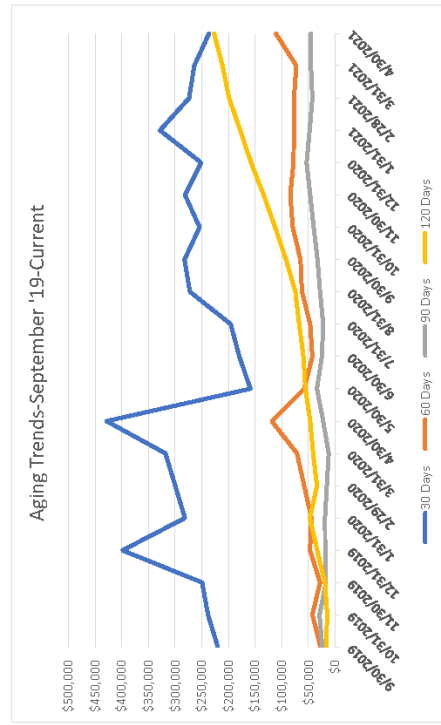
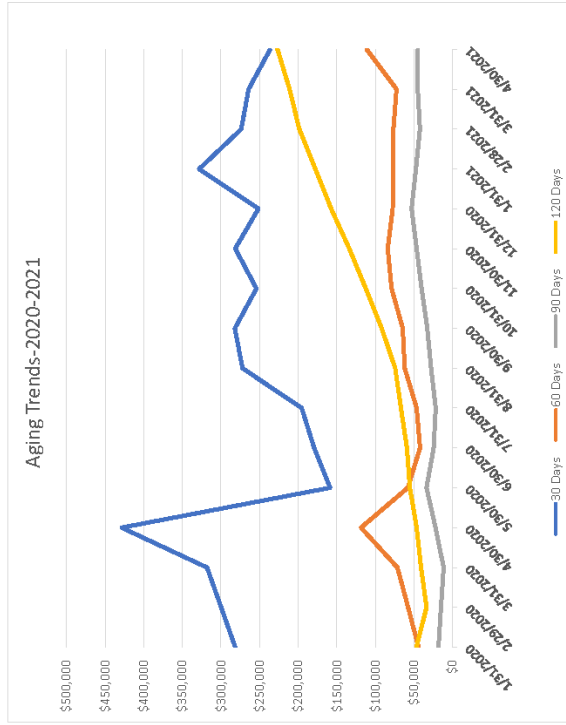
Management Discussion

This section is new beginning in September 2020 and will be included in the monthly unaudited report in the future. This will be used to discuss items of importance that may have a financial impact on the District.

- The District continues to track the aging trends for Utility Receivables as a result of COVID-19 (see below).
- The next scheduled rate increase is July 2021.
- District staff is preparing the draft budget.
- District staff is reviewing the financial advisor proposals and has interviews with each proposer the week of May 10th
- The interim annual financial audit took place the week of May 3rd
- The District received the final reimbursement for the AMI grant and the project is anticipated to be complete in summer 2021.
- The District is currently in the process of ordering the large meters that will be replaced as part of the \$75,000 grant that was received.
- District staff will now handle the utility payments that are mailed in and we will discontinue the use of the lockbox.
- The finance team is currently working through the implementation of Invoice Cloud which will replace Xpress Bill Pay for online billing options for customers.

Average Pre-Covid	30 Days	60 Days	90 Days	120 Days
	\$281,219	\$41,173	\$20,379	\$27,505
9/30/2019	\$219,674	\$27,324	\$23,818	\$16,783
10/31/2019	\$238,200	\$42,466	\$29,185	\$14,740
11/30/2019	\$249,231	\$28,074	\$16,957	\$18,748
12/31/2019	\$398,693	\$46,971	\$18,425	\$33,732
1/31/2020	\$281,607	\$44,353	\$18,670	\$47,076
2/29/2020	\$299,907	\$77,848	\$15,218	\$33,953
3/31/2020	\$318,206	\$71,532	\$11,854	\$41,128
4/30/2020	\$428,692	\$118,758	\$22,338	\$46,778
5/30/2020	\$158,815	\$68,042	\$34,032	\$55,547
6/30/2020	\$179,470	\$42,375	\$24,764	\$59,317
7/31/2020	\$195,647	\$46,783	\$22,104	\$67,157
8/31/2020	\$272,158	\$62,221	\$28,092	\$74,515
9/30/2020	\$282,140	\$64,710	\$32,923	\$92,047
10/31/2020	\$254,095	\$79,254	\$40,271	\$112,550
11/30/2020	\$281,588	\$84,120	\$46,659	\$133,952
12/31/2020	\$251,518	\$77,823	\$53,354	\$157,520
1/31/2021	\$328,326	\$76,941	\$47,697	\$177,885
2/28/2021	\$273,713	\$76,804	\$42,494	\$198,653
3/31/2021	\$264,232	\$72,780	\$45,237	\$211,265
4/30/2021	\$236,321	\$111,345	\$45,143	\$226,884

Average Post Covid % increase
 \$268,697 -4.45%
 \$71,613 73.93%
 \$33,882 66.26%
 \$101,421 268.73%



Investment Summary - April 2021

LOCAL AGENCY INVESTMENT FUND

PERIOD	TOTAL WITHDRAWAL AMOUNT	TOTAL DEPOSIT AMOUNT	ACCRUED INTEREST (QUARTERLY)	ENDING BALANCE
July 31, 2020	\$ -	\$ -	\$ 32,317.59	\$ 9,597,255.22
August 31, 2020	\$ (2,700,000.00)	\$ -	\$ -	\$ 6,897,255.22
September 30, 2020	\$ -	\$ -	\$ -	\$ 6,897,255.22
October 31, 2020	\$ -	\$ 2,000,000.00	\$ 17,200.35	\$ 8,914,455.57
November 30, 2020	\$ -	\$ -	\$ -	\$ 8,914,455.57
December 31, 2020	\$ -	\$ 1,700,000.00	\$ -	\$ 10,614,455.57
January 31, 2021	\$ -	\$ 800,000.00	\$ 13,839.14	\$ 11,428,294.71
February 28, 2021	\$ -	\$ -	\$ -	\$ 11,428,294.71
March 31, 2021	\$ -	\$ -	\$ -	\$ 11,428,294.71
April 30, 2021	\$ -	\$ 2,090,000.00	\$ 12,291.74	\$ 13,530,586.45
May 31, 2021	\$ -	\$ -	\$ -	\$ 13,530,586.45
June 30, 2021	\$ -	\$ -	\$ -	\$ 13,530,586.45

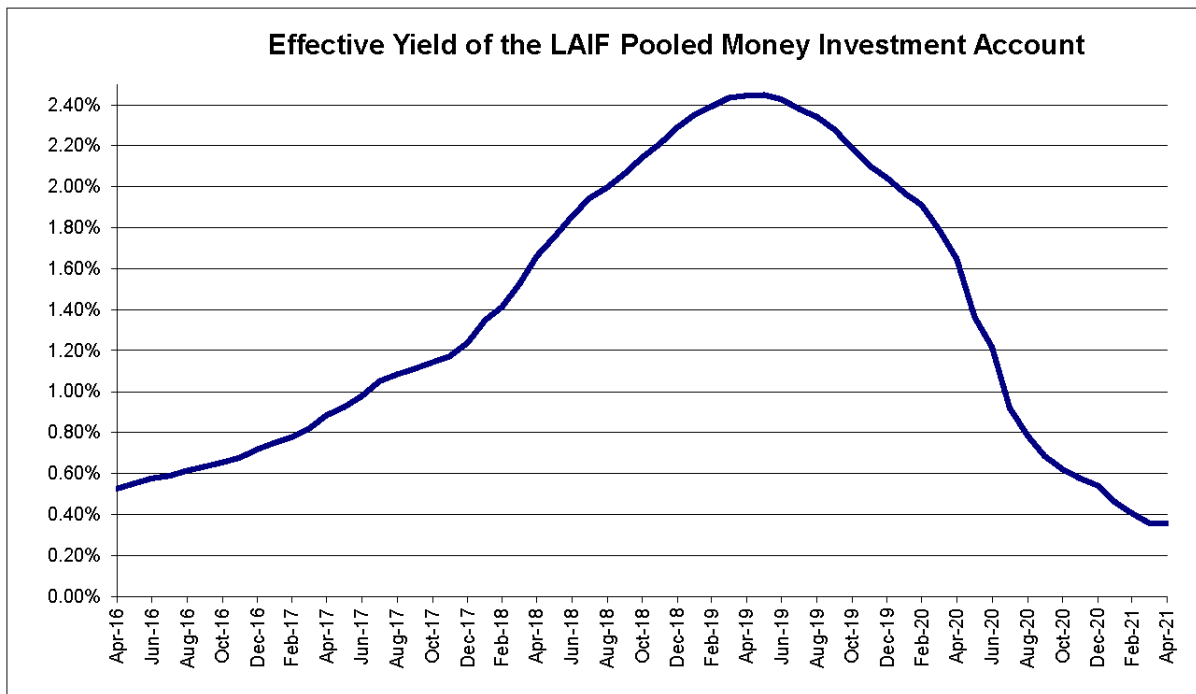
L.A.I.F. INCOME SUMMARY

CURRENT QUARTER FY YEAR-TO-DATE

INCOME RECEIVED

\$ 12,291.74

\$ 75,648.82



Fiscal Year 2020-21 Detail Budget Status

The revenue and expense budget status for the 2020-21 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.

Summary of Revenue Budget				
As of April 30, 2021 (83% of Budget Cycle)				
Division	Current Month	Year-to-Date	Budget Amount	Percentage
Water	\$ 2,174,669	\$ 13,711,947	\$ 14,715,063	93.18%
Sewer	\$ 1,081,995	\$ 10,569,359	\$ 12,869,897	82.12%
Recycled Water	\$ 141,048	\$ 1,362,009	\$ 1,270,360	107.21%
District Revenue	\$ 3,397,711	\$ 25,643,315	\$ 28,855,320	88.87%

Summary of Water Budget vs. Expenses				
As of April 30, 2021 (83% of Budget Cycle)				
Department	Current Month	Year-to-Date	Budget Amount	Percentage
Water Resources	\$ 174,768	\$ 2,975,153	\$ 4,950,543	60.10%
Public Works	\$ 193,924	\$ 1,894,223	\$ 3,304,607	57.32%
Administration	\$ 182,152	\$ 1,928,247	\$ 2,942,747	65.53%
Long Term Debt	\$ -	\$ 2,292,438	\$ 2,292,613	99.99%
Asset Acquisition	\$ -	\$ -	\$ -	0.00%
TOTAL	\$ 550,844	\$ 9,090,061	\$ 13,490,510	67.38%

Summary of Sewer Budget vs. Expenses				
As of April 30, 2021 (83% of Budget Cycle)				
Department	Current Month	Year-to-Date	Budget Amount	Percentage
Treatment	\$ 213,949	\$ 2,693,620	\$ 4,473,712	60.21%
Administration	\$ 173,544	\$ 2,186,038	\$ 2,733,912	79.96%
Environmental Control	\$ 116,156	\$ 987,907	\$ 1,318,555	74.92%
Long Term Debt	\$ -	\$ 3,833,694	\$ 3,833,718	100.00%
Asset Acquisition	\$ -	\$ -	\$ -	0.00%
TOTAL	\$ 503,650	\$ 9,701,259	\$ 12,359,897	78.49%

Summary of Recycled Water Budget vs. Expenses				
As of April 30, 2021 (83% of Budget Cycle)				
Department	Current Month	Year-to-Date	Budget Amount	Percentage
Administration	\$ 85,356	\$ 1,018,681	\$ 1,270,360	80.19%
TOTAL	\$ 85,356	\$ 1,018,681	\$ 1,270,360	80.19%

District Expenses	\$ 1,139,849	\$ 19,810,000	\$ 27,120,767	73.04%
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FY 2020-21 Water Revenue					
G/L ACCOUNT#	DESCRIPTION	BUDGET	April '21	Year to Date	%
02-400-40010	Sales-Water & Non Potable	\$ 5,862,780	\$ 447,059	\$ 5,355,793	91.35%
02-400-40011	Sales-Construction Water	\$ 30,000	\$ 1,687	\$ 35,375	117.92%
02-400-40012	Sales-Imported Water-SGPWA	\$ 257,500	\$ 18,857	\$ 221,972	86.20%
02-400-40013	Sales-Imported Water-MUNI	\$ 875,500	\$ 56,867	\$ 681,473	77.84%
02-400-40014	Sales-Disc (Multi Unit) Commdy	\$ (110,000)	\$ (8,665)	\$ (99,395)	90.36%
02-400-40015	Sales-Wholesale Water	\$ 115,000	\$ 10,718	\$ 140,647	122.30%
02-400-40016	Sales-Establish Service Fee	\$ 6,120	\$ 650	\$ 5,925	96.81%
02-400-41000	Sales-Service Demand Charges	\$ 3,859,820	\$ 323,590	\$ 3,095,493	80.20%
02-400-41001	Sales-Fire Srv Standby Fees	\$ 40,800	\$ 5,288	\$ 49,903	122.31%
02-400-41003	Sales-Const Water Minimum Chg	\$ 5,100	\$ 289	\$ 2,968	58.20%
02-400-41005	Sales-Disc (Multi Units)-SC	\$ (128,250)	\$ (12,026)	\$ (119,976)	93.55%
02-400-41010	Unauthorized Use of Water Chrg	\$ 2,040	\$ -	\$ -	0.00%
02-400-41110	Meter/Lateral Installation	\$ 200,000	\$ 24,579	\$ 220,388	110.19%
02-400-41112	Fire Flow Test Fees	\$ 4,590	\$ 1,050	\$ 7,800	169.93%
02-400-41113	Disconnect & Reconnect Fees	\$ 70,000	\$ -	\$ -	0.00%
02-400-41121	Delinquent Payment Charges	\$ 139,050	\$ -	\$ -	0.00%
02-400-41124	Bad Debt Write-Off & Recovery	\$ (20,400)	\$ -	\$ 2,173	-10.65%
02-421-42122	Revenue - Other, Operating	\$ -	\$ -	\$ 336	N/A
02-421-42123	Admin, Management & Acctg Fees	\$ 206,550	\$ 17,213	\$ 172,125	83.33%
02-430-43010	Interest Eamed	\$ 70,000	\$ 5,531	\$ 24,463	34.95%
02-431-43110	Property Tax - Unsecured	\$ -	\$ 1,423	\$ 114,252	N/A
02-431-43120	Property Tax - Secured	\$ 2,988,863	\$ 1,270,582	\$ 2,704,121	90.47%
02-431-43130	Tax Collection - Prior	\$ 40,000	\$ 2,309	\$ 32,262	80.65%
02-431-43140	Taxes - Other	\$ 180,000	\$ 7,459	\$ 186,266	103.48%
02-491-49110	Rental Income	\$ -	\$ -	\$ -	N/A
02-491-49150	Revenue - Misc Non-Operating	\$ 20,000	\$ 210	\$ 877,583	4387.92%
	WATER OPERATING REVENUE	\$ 14,715,063	\$ 2,174,669	\$ 13,711,947	93.18%
	Transfer - Reserve Fund	\$ -	\$ -	\$ -	
02-480-48002	Grants	\$ 300,000	\$ 130,348	\$ 234,098	78.03%
02-480-48901	Contrib Cap-Capacity Fees	\$ -	\$ 79,377	\$ 1,340,828	N/A
02-480-48902	Contrib Cap-Sustainability	\$ -	\$ 4,403	\$ 172,259	N/A
	TOTAL WATER REVENUE	\$ 15,015,063	\$ 2,388,797	\$ 15,459,131	102.96%

NOTE: Plan check & inspection fees to 02-42122

FY 2020-21 Sewer Revenue

G/L ACCOUNT#	DESCRIPTION	BUDGET	April '21	Year to Date	%
03-400-40016	Sales-Establish Service Fee	\$ 510	\$ -	\$ 75	14.71%
03-400-41000	Sales-Sewer Charges	\$ 12,424,514	\$ 1,041,234	\$ 10,202,552	82.12%
03-400-41005	Sales-Disc (Multi Units)-SC	\$ (200,000)	\$ (17,364)	\$ (179,785)	89.89%
03-400-41110	Meter/Lateral Installation	\$ 15,038	\$ 5,000	\$ 15,000	99.75%
03-400-41121	Penalty - Late Charges	\$ 126,250	\$ (1)	\$ (22)	-0.02%
03-400-41124	Bad Debt Write-Off & Recovery	\$ (15,075)	\$ -	\$ -	0.00%
03-400-41131	Front Footage Fees	\$ 55,550	\$ 46,875	\$ 103,250	185.87%
03-421-42122	Revenue - Other, Operating	\$ 2,020	\$ 720	\$ 2,160	106.93%
03-430-43010	Interest Earned	\$ 102,000	\$ 5,531	\$ 24,324	23.85%
03-431-43110	Property Tax - Unsecured	\$ -	\$ -	\$ -	-
03-431-43120	Property Tax - Secured	\$ 356,540	\$ -	\$ 356,540	-
03-431-43130	Tax Collection - Prior	\$ -	\$ -	\$ -	-
03-431-43140	Taxes - Other	\$ -	\$ -	\$ -	-
03-491-49150	Revenue - Misc Non-Operating	\$ 2,550	\$ -	\$ 45,265	1775.10%
	SEWER OPERATING REVENUE	\$ 12,869,897	\$ 1,081,995	\$ 10,569,359	82.12%
03-480-48002	Grants	\$ -	\$ -	\$ -	-
03-480-48901	Contrib Cap-Capacity Fees	\$ -	\$ 189,878	\$ 1,720,738	-
03-480-48905	Contrib Cap-Infrastructure	\$ -	\$ 27,000	\$ 319,500	-
	TOTAL SEWER REVENUE	\$ 12,869,897	\$ 1,298,873	\$ 12,609,598	97.98%

FY 2020-21 Recycled Revenue

G/L ACCOUNT#	DESCRIPTION	BUDGET	April '21	Year to Date	%
04-400-40010	Sales-Water & Non Potable	\$ 1,001,460	\$ 98,536	\$ 1,002,765	100.13%
04-400-40011	Sales-Construction Water	\$ 9,981	\$ -	\$ -	0.00%
04-400-40017	Sales-Excess Drinking Water	\$ 8,574	\$ 3,443	\$ 27,564	321.49%
04-400-40018	Sales-Infrastructure	\$ 72,642	\$ 8,337	\$ 89,234	122.84%
04-400-41000	Sales-Service Demand Charges	\$ 153,641	\$ 16,913	\$ 153,897	100.17%
04-400-41003	Sales-Const Water Minimum Chg	\$ 821	\$ 175	\$ 1,431	174.30%
04-400-41110	Meter/Lateral Installation	\$ 1,020	\$ 12,342	\$ 80,754	7917.06%
04-400-41121	Penalty - Late Charges	\$ 2,000	\$ -	\$ -	0.00%
04-400-41122	Revenue - Other, Operating	\$ 505	\$ 73	\$ 945	187.20%
04-430-43010	Interest Earned	\$ 19,716	\$ 1,229	\$ 5,405	27.42%
04-431-43110	Property Tax - Unsecured	\$ -	\$ -	\$ -	N/A
04-431-43120	Property Tax - Secured	\$ -	\$ -	\$ -	N/A
04-431-43130	Tax Collection - Prior	\$ -	\$ -	\$ -	N/A
04-431-43140	Taxes - Other	\$ -	\$ -	\$ -	N/A
04-491-49150	Revenue-Misc Non-Operating	\$ -	\$ -	\$ 14	N/A
	RECYCLED OPERATING REVENUE	\$ 1,270,360	\$ 141,048	\$ 1,362,009	107.21%
04-480-48002	Grants	\$ -	\$ -	\$ -	N/A
04-480-48901	Contrib Cap-Capacity Fees	\$ -	\$ 121,224	\$ 898,161	N/A
	TOTAL RECYCLED REVENUE	\$ 1,270,360	\$ 262,272	\$ 2,260,170	177.92%

FY 2020-21 Water Expenses

G/L ACCOUNT #	DESCRIPTION	BUDGET	April '21	Year to Date	%
02-501-50009	Labor - Overtime	\$ 35,447	\$ 2,075	\$ 41,209	116.26%
02-501-50010	Labor	\$ 1,000,914	\$ 82,121	\$ 786,781	78.61%
02-501-50011	Labor - Credit	\$ -	\$ -	\$ -	N/A
02-501-50013	Benefits-FICA	\$ 79,279	\$ 6,931	\$ 66,974	84.48%
02-501-50014	Benefits-Life Insurance	\$ 4,899	\$ 137	\$ 1,372	28.00%
02-501-50016	Benefits-Health & Def Comp	\$ 201,304	\$ 20,972	\$ 202,170	100.43%
02-501-50017	Benefits-Disability Insurance	\$ 9,326	\$ 1,311	\$ 11,730	125.77%
02-501-50019	Benefits-Workers Compensation	\$ 60,398	\$ -	\$ 10,055	16.65%
02-501-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
02-501-50022	Benefits-PERS Employer	\$ 75,364	\$ 5,767	\$ 54,993	72.97%
02-501-50023	Benefits-Uniforms	\$ 5,050	\$ 150	\$ 2,627	52.02%
02-501-50024	Benefits-Vacation & Sick Pay	\$ -	\$ -	\$ -	N/A
02-501-50025	Benefits-Boots	\$ 3,330	\$ -	\$ -	0.00%
02-501-51003	R&M - Structures	\$ 325,776	\$ 21,957	\$ 208,612	64.04%
02-501-51011	R&M - Valves	\$ 20,400	\$ -	\$ 7,065	34.63%
02-501-51115	Laboratory Supplies	\$ 2,550	\$ -	\$ -	N/A
02-501-51140	General Supplies & Expenses	\$ 5,000	\$ 3,377	\$ 13,179	263.59%
02-501-51210	Utilities - Power Purchases	\$ 1,352,000	\$ -	\$ 1,112,238	82.27%
02-501-51211	Utilities - Electricity	\$ 5,100	\$ -	\$ 2,435	47.74%
02-501-51316	Imported Water Purchases	\$ 1,085,750	\$ -	\$ 129,941	11.97%
02-501-54012	Education & Training	\$ 7,303	\$ -	\$ -	0.00%
02-501-54019	Licenses & Permits	\$ 66,300	\$ 4,062	\$ 10,994	16.58%
02-501-54025	Telephone & Internet	\$ 3,000	\$ 304	\$ 2,128	70.93%
02-501-54110	Laboratory Services	\$ 76,500	\$ -	\$ -	0.00%
02-501-57040	YVRWFF-Crystal Creek Exp	\$ 561,000	\$ 27,679	\$ 351,861	62.72%
	WATER RESOURCE TOTALS	\$ 4,950,543	\$ 174,768	\$ 2,975,153	60.10%
02-503-50009	Labor - Overtime	\$ 59,434	\$ 3,311	\$ 33,837	56.93%
02-503-50010	Labor	\$ 1,584,210	\$ 115,337	\$ 1,080,963	68.23%
02-503-50011	Labor - Credit	\$ -	\$ (1,595)	\$ (1,595)	N/A
02-503-50013	Benefits-FICA	\$ 125,741	\$ 9,528	\$ 88,099	70.06%
02-503-50014	Benefits-Life Insurance	\$ 9,991	\$ 261	\$ 2,608	26.10%
02-503-50016	Benefits-Health & Def Comp	\$ 391,002	\$ 39,139	\$ 367,552	94.00%
02-503-50017	Benefits-Disability Insurance	\$ 14,795	\$ 1,892	\$ 16,339	110.44%
02-503-50019	Benefits-Workers Compensation	\$ 13,744	\$ -	\$ 10,054	73.16%
02-503-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
02-503-50022	Benefits-PERS Employer	\$ 120,829	\$ 8,554	\$ 79,270	65.61%
02-503-50023	Benefits-Uniforms	\$ 10,850	\$ 644	\$ 6,124	56.44%
02-503-50024	Benefits-Vacation & Sick Pay	\$ -	\$ -	\$ -	N/A
02-503-50025	Benefits-Boots	\$ 6,735	\$ -	\$ -	0.00%
02-503-51001	R&M - Vehicles & Equipment	\$ 224,000	\$ 14,894	\$ 104,826	46.80%
02-503-51011	R&M - Valves	\$ 5,100	\$ -	\$ 161	3.16%
02-503-51020	R&M - Pipelines	\$ 204,000	\$ 5,681	\$ 91,345	44.78%

FY 2020-21 Water Expenses

G/L ACCOUNT #	DESCRIPTION	BUDGET	April '21	Year to Date	%
02-503-51021	R&M - Service Lines	\$ 97,920	\$ 519	\$ 22,177	22.65%
02-503-51022	R&M - Fire Hydrants	\$ 51,000	\$ (2,922)	\$ (1,401)	-2.75%
02-503-51029	Repair & Maintenance-Backflow	\$ 66,300	\$ 3,611	\$ 17,806	26.86%
02-503-51030	R&M - Meters	\$ 330,600	\$ 20	\$ 4,955	1.50%
02-503-51031	R&M - Fire Flow Testing	\$ 25,500	\$ -	\$ -	0.00%
02-503-51092	Equipment Credits	\$ -	\$ (2,031)	\$ (2,031)	N/A
02-503-51140	General Supplies & Expenses	\$ 3,060	\$ -	\$ 2,149	70.22%
02-503-54012	Education & Training	\$ 15,230	\$ -	\$ 2,245	14.74%
02-503-54025	Telephone & Internet	\$ 4,000	\$ 392	\$ 2,576	64.40%
	PUBLIC WORKS TOTALS	\$ 3,304,607	\$ 193,924	\$ 1,894,223	57.32%
02-506-50009	Labor - Overtime	\$ 12,436	\$ -	\$ 2,033	16.35%
02-506-50010	Labor	\$ 655,148	\$ 46,679	\$ 447,526	68.31%
02-506-50011	Labor - Credit	\$ -	\$ -	\$ -	N/A
02-506-50012	Director Fees	\$ 27,300	\$ 2,684	\$ 17,652	64.66%
02-506-50013	Benefits-FICA	\$ 53,161	\$ 4,335	\$ 36,534	68.72%
02-506-50014	Benefits-Life Insurance	\$ 3,964	\$ 78	\$ 843	21.26%
02-506-50016	Benefits-Health & Def Comp	\$ 161,439	\$ 16,847	\$ 156,045	96.66%
02-506-50017	Benefits-Disability Insurance	\$ 6,007	\$ 696	\$ 5,619	93.55%
02-506-50019	Benefits-Workers Compensation	\$ 4,454	\$ -	\$ 5,296	118.91%
02-506-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
02-506-50022	Benefits-PERS Employer	\$ 53,984	\$ 3,845	\$ 333,219	617.25%
02-506-50023	Benefits-Uniforms	\$ 175	\$ 139	\$ 2,740	1565.96%
02-506-50024	Benefits-Vacation & Sick Pay	\$ -	\$ -	\$ -	N/A
02-506-50025	Benefits-Boots	\$ 2,055	\$ -	\$ -	0.00%
02-506-51003	R&M - Structures	\$ 40,700	\$ 2,906	\$ 27,161	66.73%
02-506-51091	Expense Credits (overhead)	\$ -	\$ (79)	\$ (79)	N/A
02-506-51120	Safety Equipment & Supplies	\$ 25,500	\$ 893	\$ 12,591	49.38%
02-506-51125	Petroleum Products	\$ 153,000	\$ 8,655	\$ 60,192	39.34%
02-506-51130	Office Supplies & Expenses	\$ 35,700	\$ 597	\$ 10,581	29.64%
02-506-51140	General Supplies & Expenses	\$ 40,800	\$ (606)	\$ 11,292	27.68%
02-506-51199	Disaster Repairs & Incidences	\$ -	\$ -	\$ 2,773	N/A
02-506-51211	Utilities - Electricity	\$ 32,640	\$ -	\$ 26,498	81.18%
02-506-51213	Utilities - Natural Gas	\$ 2,740	\$ 288	\$ 416	15.18%
02-506-54002	Dues & Subscriptions	\$ 30,600	\$ 192	\$ 10,077	32.93%
02-506-54005	Computer Expenses	\$ 147,900	\$ 8,088	\$ 97,318	65.80%
02-506-54010	Postage	\$ 10,200	\$ 4	\$ 2,560	25.10%
02-506-54011	Printing & Publications	\$ -	\$ -	\$ -	N/A
02-506-54012	Education & Training	\$ 20,400	\$ 3,020	\$ 11,072	54.27%
02-506-54013	Utility Billing Expenses	\$ 197,700	\$ 23,580	\$ 183,956	93.05%
02-506-54014	Public Relations	\$ 32,130	\$ 1,283	\$ 7,759	24.15%
02-506-54016	Travel Related Expenses	\$ 7,650	\$ 21	\$ 37	0.48%
02-506-54017	Certifications & Renewals	\$ 12,240	\$ 175	\$ 4,575	37.38%
02-506-54020	Meeting Related Expenses	\$ 8,160	\$ 40	\$ 685	8.40%
02-506-54022	Utilities - YVWD Services	\$ 147,900	\$ 7,319	\$ 41,762	28.24%

FY 2020-21 Water Expenses

G/L ACCOUNT #	DESCRIPTION	BUDGET	April '21	Year to Date	%
02-506-54024	Waste Disposal	\$ 5,100	\$ 444	\$ 7,325	143.63%
02-506-54025	Telephone & Internet	\$ 53,000	\$ 3,012	\$ 23,729	44.77%
02-506-54099	Conservation & Rebates	\$ 30,600	\$ -	\$ 676	2.21%
02-506-54104	Contractual Services	\$ 200,700	\$ 30,251	\$ 152,760	76.11%
02-506-54107	Legal	\$ 120,000	\$ 7,523	\$ 7,523	6.27%
02-506-54108	Audit & Accounting	\$ 15,300	\$ -	\$ 7,592	49.62%
02-506-54109	Professional Fees	\$ 168,300	\$ 500	\$ 24,995	14.85%
02-506-55500	Depreciation	\$ 204,000	\$ -	\$ 17,000	8.33%
02-506-56001	Insurance	\$ 122,000	\$ 9,354	\$ 97,788	80.15%
02-506-57030	Regulatory Compliance	\$ 35,700	\$ (609)	\$ 17,397	48.73%
02-506-57090	Election Related Expenses	\$ -	\$ -	\$ -	N/A
02-506-57095	Yucaipa SGMA	\$ 10,200	\$ -	\$ 327	3.20%
02-506-57096	Beaumont Basin Watermaster	\$ 40,800	\$ -	\$ 40,434	99.10%
02-506-57097	San Timoteo SGMA	\$ 8,100	\$ -	\$ -	0.00%
02-506-57098	Bunker Hill GSC	\$ 15,300	\$ -	\$ 14,004	91.53%
02-506-57199	Suspense	\$ -	\$ -	\$ -	
	ADMINISTRATION TOTALS	\$ 2,942,747	\$ 182,152	\$ 1,928,247	65.53%
02-540-57201	Series 2015A Principal	\$ 1,230,000	\$ -	\$ 1,230,000	100.00%
02-540-57402	Interest - Bond Repayment	\$ 1,062,613	\$ -	\$ 1,062,438	99.98%
	40 - Debt	\$ 2,292,613	\$ -	\$ 2,292,438	99.99%
02-540-57001	Asset Acq. - Water Dept	\$ -	\$ -	\$ -	--
02-540-57003	Asset Acq. - US Dept	\$ -	\$ -	\$ -	--
02-540-57006	Asset Acq. - Admin Dept	\$ -	\$ -	\$ -	--
	40 - Capital Outlay	\$ -	\$ -	\$ -	--
	TOTAL WATER EXPENSES	\$ 13,490,510	\$ 550,844	\$ 9,090,061	67.38%

FY 2020-21 Sewer Expenses

G/L ACCOUNT #	DESCRIPTION	BUDGET	April '21	Year to Date	%
03-502-50009	Labor - Overtime	\$ 33,252	\$ 455	\$ 31,049	93.38%
03-502-50010	Labor	\$ 1,033,509	\$ 84,040	\$ 845,439	81.80%
03-502-50013	Benefits-FICA	\$ 81,604	\$ 6,931	\$ 70,354	86.21%
03-502-50014	Benefits-Life Insurance	\$ 5,136	\$ 142	\$ 1,427	27.78%
03-502-50016	Benefits-Health & Def Comp	\$ 210,851	\$ 20,969	\$ 204,760	97.11%
03-502-50017	Benefits-Disability Insurance	\$ 9,600	\$ 1,338	\$ 12,211	127.19%
03-502-50019	Benefits-Workers Compensatn	\$ 71,774	\$ -	\$ 13,870	19.32%
03-502-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
03-502-50022	Benefits-PERS Employer	\$ 75,557	\$ 5,832	\$ 58,404	77.30%
03-502-50023	Benefits-Uniforms	\$ 5,350	\$ 322	\$ 3,943	73.70%
03-502-50024	Benefits-Vacation & Sick Pay	\$ -	\$ -	\$ -	N/A
03-502-50025	Benefits-Boots	\$ 3,450	\$ -	\$ -	0.00%
03-502-51003	R&M - Structures	\$ 357,000	\$ 32,914	\$ 211,155	59.15%
03-502-51010	R&M - Automation Control	\$ 75,000	\$ -	\$ 11,638	15.52%
03-502-51106	Chemicals	\$ 700,000	\$ 52,345	\$ 445,104	63.59%
03-502-51111	Propane	\$ 510	\$ -	\$ -	0.00%
03-502-51115	Laboratory Supplies	\$ 41,000	\$ 3,388	\$ 9,050	22.07%
03-502-51140	General Supplies & Expenses	\$ 6,400	\$ 3,370	\$ 15,123	236.29%
03-502-51210	Utilities - Power Purchases	\$ 994,553	\$ -	\$ 769,655	77.39%
03-502-54012	Education & Training	\$ 7,566	\$ -	\$ -	0.00%
03-502-54025	Telephone & Internet	\$ 5,000	\$ 368	\$ 2,944	58.88%
03-502-54110	Laboratory Services	\$ 114,000	\$ 1,535	\$ 5,740	5.03%
03-502-57031	Sewage Waste Disposal-Solids	\$ 234,600	\$ -	\$ 24,623	10.50%
03-502-57034	Brineline Operating Expenses	\$ 408,000	\$ -	\$ (42,866)	-10.51%
	TREATMENT TOTALS	\$ 4,473,712	\$ 213,949	\$ 2,693,620	60.21%
03-506-50009	Labor - Overtime	\$ 12,436	\$ -	\$ 2,119	17.04%
03-506-50010	Labor	\$ 655,148	\$ 46,679	\$ 474,070	72.36%
03-506-50011	Labor - Credit	\$ -	\$ -	\$ -	N/A
03-506-50012	Director Fees	\$ 27,300	\$ 2,684	\$ 19,604	71.81%
03-506-50013	Benefits-FICA	\$ 53,161	\$ 4,335	\$ 37,982	71.45%
03-506-50014	Benefits-Life Insurance	\$ 3,964	\$ 78	\$ 842	21.24%
03-506-50016	Benefits-Health & Def Comp	\$ 161,439	\$ 17,009	\$ 163,212	101.10%
03-506-50017	Benefits Disability Insurane	\$ 6,007	\$ 696	\$ 5,769	96.04%
03-506-50019	Benefits-Workers Compensation	\$ 4,454	\$ -	\$ 7,096	159.33%
03-506-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
03-506-50022	Benefits-PERS Employer	\$ 53,984	\$ 3,845	\$ 335,175	620.88%
03-506-50023	Benefits-Uniforms	\$ 175	\$ -	\$ 357	203.79%
03-506-50024	Benefits-Vacation & Sick Pay	\$ -	\$ -	\$ -	N/A
03-506-50025	Benefits-Boots	\$ 2,115	\$ -	\$ -	0.00%
03-506-50055	Pension Expense-GASB 68	\$ -	\$ -	\$ -	N/A
03-506-51120	Safety Equipment & Supplies	\$ 9,690	\$ 944	\$ 13,637	140.73%
03-506-51125	Petroleum Products	\$ 29,000	\$ 2,417	\$ 24,167	83.33%
03-506-51130	Office Supplies & Expenses	\$ 9,200	\$ 107	\$ 4,076	44.31%
03-506-51140	General Supplies & Expenses	\$ 30,600	\$ 858	\$ 2,515	8.22%
03-506-51199	Disaster Repairs & Incidences	\$ -	\$ 130	\$ 2,404	N/A

FY 2020-21 Sewer Expenses

G/L ACCOUNT #	DESCRIPTION	BUDGET	April '21	Year to Date	%
03-506-54002	Dues & Subscriptions	\$ 41,000	\$ 3,119	\$ 28,232	68.86%
03-506-54003	Management & Admin Services	\$ 206,550	\$ 17,213	\$ 172,125	83.33%
03-506-54005	Computer Expenses	\$ 122,400	\$ 10,031	\$ 100,621	82.21%
03-506-54011	Printing & Publications	\$ -	\$ -	\$ -	N/A
03-506-54012	Education & Training	\$ 20,400	\$ 3,123	\$ 8,886	43.56%
03-506-54014	Public Relations	\$ 25,500	\$ 1,283	\$ 2,964	11.62%
03-506-54016	Travel Related Expenses	\$ 10,200	\$ -	\$ 16	0.16%
03-506-54017	Certifications & Renewals	\$ 10,200	\$ 1,399	\$ 2,774	27.20%
03-506-54019	Licenses & Permits	\$ 71,400	\$ 138	\$ 78,698	110.22%
03-506-54020	Meeting Related Expenses	\$ 7,500	\$ 40	\$ 569	7.58%
03-506-54022	Utilities - YVWD Services	\$ 355,000	\$ 44,265	\$ 331,734	93.45%
03-506-54024	Waste Disposal	\$ 33,000	\$ 1,333	\$ 22,648	68.63%
03-506-54025	Telephone & Internet	\$ 60,000	\$ 4,943	\$ 40,141	66.90%
03-506-54030	Drinking Water	\$ -	\$ -	\$ -	N/A
03-506-54104	Contractual Services	\$ 165,000	\$ 2,720	\$ 143,638	87.05%
03-506-54107	Legal	\$ 30,600	\$ -	\$ 975	3.19%
03-506-54108	Audit & Accounting	\$ 15,300	\$ -	\$ 7,592	49.62%
03-506-54109	Professional Fees	\$ 297,189	\$ (8,762)	\$ 8,615	2.90%
03-506-55500	Depreciation	\$ -	\$ -	\$ -	N/A
03-506-56001	Insurance	\$ 132,600	\$ 12,921	\$ 125,376	94.55%
03-506-57030	Regulatory Compliance	\$ 71,400	\$ -	\$ 17,410	24.38%
	ADMINISTRATION TOTALS	\$ 2,733,912	\$ 173,544	\$ 2,186,038	79.96%
03-507-50009	Labor - Overtime	\$ 23,890	\$ 1,398	\$ 19,800	82.88%
03-507-50010	Labor	\$ 616,937	\$ 46,943	\$ 467,267	75.74%
03-507-50011	Labor - Credit	\$ -	\$ -	\$ -	0.00%
03-507-50013	Benefits-FICA	\$ 49,025	\$ 3,855	\$ 38,478	78.49%
03-507-50014	Benefits-Life Insurance	\$ 3,768	\$ 101	\$ 1,009	26.79%
03-507-50016	Benefits-Health & Def Comp	\$ 152,863	\$ 14,699	\$ 141,393	92.50%
03-507-50017	Benefits-Disability Insurance	\$ 5,768	\$ 757	\$ 6,889	119.44%
03-507-50019	Benefits-Workers Compensatio	\$ 5,391	\$ -	\$ 13,870	257.28%
03-507-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
03-507-50022	Benefit-PERS Employer	\$ 49,754	\$ 3,623	\$ 35,938	72.23%
03-507-50023	Benefits-Uniforms	\$ 4,050	\$ 164	\$ 2,767	68.33%
03-507-50024	Benefits-Vacation & Sick Pay	\$ -	\$ -	\$ -	N/A
03-507-50025	Benefits-Boots	\$ 2,475	\$ -	\$ -	0.00%
03-507-51003	Sewer Pipeline & Facilities	\$ 250,001	\$ 5,348	\$ 101,975	40.79%
03-507-51140	General Supplies & Expenses	\$ 1,000	\$ -	\$ 252	25.18%
03-507-51241	Lift Station #1	\$ 52,001	\$ 1,767	\$ 66,966	128.78%
03-507-51242	Lift Station #2	\$ 18,001	\$ 35,102	\$ 54,084	300.45%
03-507-51243	Lift Station #3	\$ 6,200	\$ 563	\$ 2,136	34.45%
03-507-51244	Lift Station #4	\$ 9,501	\$ 563	\$ 9,311	98.00%
03-507-51246	Lift Station #6	\$ 5,001	\$ 557	\$ 6,537	130.72%

FY 2020-21 Sewer Expenses

G/L ACCOUNT #	DESCRIPTION	BUDGET	April '21	Year to Date	%
03-507-51248	Lift Station #8	\$ 2,501	\$ 563	\$ 1,234	49.36%
03-507-54012	Education & Training	\$ 5,428	\$ -	\$ -	0.00%
03-507-54025	Telephone & Internet	\$ -	\$ 152	\$ 1,160	N/A
03-507-54111	Pretreatment	\$ 55,000	\$ -	\$ 16,840	30.62%
	ENVIRONMENTAL CONTROL TOTAL	\$ 1,318,555	\$ 116,156	\$ 987,907	74.92%
03-540-57202	SRF Principal - WWTP	\$ 2,361,721	\$ -	\$ 2,361,721	100.00%
03-540-57203	SRF Principal - Brineline	\$ 459,211	\$ -	\$ 459,211	100.00%
03-540-57204	SRF Principal - Wise	\$ 139,605	\$ -	\$ 139,605	100.00%
03-540-57205	SRF Principal - R 10.3	\$ 40,903	\$ -	\$ 40,903	100.00%
03-540-57206	SRF Principal - Crow St	\$ 16,012	\$ -	\$ 15,994	99.89%
03-540-57403	Interest - Long Term Debt	\$ 816,267	\$ -	\$ 816,261	100.00%
	40 - Debt	\$ 3,833,718	\$ -	\$ 3,833,694	100.00%
03-540-57002	Asset Acq. - Treatment Dept	\$ -	\$ -	\$ -	
03-540-57006	Asset Acq. - Admin Dept	\$ -	\$ -	\$ -	
03-540-57007	Asset Acq. - EC Dept	\$ -	\$ -	\$ -	
	40 - Capital Outlay	\$ -	\$ -	\$ -	
	TOTAL SEWER EXPENSES	\$ 12,359,897	\$ 503,650	\$ 9,701,259	78.49%

FY 2020-21 Recycled Expenses

G/L ACCOUNT #	DESCRIPTION	BUDGET	April '21	Year to Date	%
04-506-50009	Labor - Overtime	\$ 18,771	\$ 523	\$ 6,799	36.22%
04-506-50010	Labor	\$ 718,807	\$ 52,827	\$ 534,014	74.29%
04-506-50011	Labor - Credit	\$ -	\$ -	\$ -	N/A
04-506-50012	Director Fees	\$ 5,000	\$ -	\$ -	0.00%
04-506-50013	Benefits-FICA	\$ 56,805	\$ 4,315	\$ 41,856	73.68%
04-506-50014	Benefits-Life Insurance	\$ 3,735	\$ 95	\$ 975	26.10%
04-506-50016	Benefits-Health & Def Comp	\$ 156,856	\$ 15,433	\$ 152,002	96.91%
04-506-50017	Benefits-Disability Insurance	\$ 6,640	\$ 831	\$ 7,364	110.90%
04-506-50019	Benefits-Workers Compensation	\$ 9,080	\$ -	\$ 7,096	78.15%
04-506-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
04-506-50022	Benefits-PERS Employer	\$ 56,064	\$ 4,317	\$ 108,701	193.89%
04-506-50023	Benfits-Uniforms	\$ 3,000	\$ 35	\$ 1,723	57.42%
04-506-50024	Benefits-Vacation & Sick Pay	\$ -	\$ -	\$ -	N/A
04-506-50025	Benefits-Boots	\$ 2,340	\$ -	\$ -	0.00%
04-506-51003	R&M - Structures	\$ 15,300	\$ -	\$ -	0.00%
04-506-51011	R&M - Valves	\$ 510	\$ -	\$ -	0.00%
04-506-51020	R&M - Pipelines	\$ 510	\$ -	\$ -	0.00%
04-506-51021	R&M - Service Lines	\$ 2,040	\$ -	\$ -	0.00%
04-506-51022	R&M - Fire Hydrants	\$ 2,040	\$ -	\$ 75	3.69%
04-506-51030	R&M - Meters	\$ 1,530	\$ -	\$ -	0.00%
04-506-51140	General Supplies & Expenses	\$ 3,060	\$ 797	\$ 2,991	97.74%
04-506-51210	Utilities - Power Purchases	\$ 87,880	\$ -	\$ 73,754	83.93%
04-506-54002	Dues & Subscriptions	\$ 3,060	\$ -	\$ 3,377	110.34%
04-506-54005	Computer Expenses	\$ 5,100	\$ -	\$ 6,277	123.08%
04-506-54011	Printing & Publications	\$ -	\$ -	\$ -	N/A
04-506-54012	Education & Training	\$ 5,132	\$ 35	\$ 1,130	22.01%
04-506-54014	Public Relations	\$ 4,284	\$ 310	\$ 1,736	40.51%
04-506-54016	Travel Related Expenses	\$ 1,020	\$ -	\$ 18	1.77%
04-506-54017	Certifications & Renewals	\$ 510	\$ -	\$ -	0.00%
04-506-54019	Licenses & Permits	\$ 7,650	\$ -	\$ 10,509	137.37%
04-506-54020	Meeting Related Expenses	\$ 1,428	\$ -	\$ 375	26.26%
04-506-54022	Utilities - YVWD Services	\$ 12,750	\$ 614	\$ 4,498	35.28%
04-506-54025	Telephone & Internet	\$ 1,428	\$ 120	\$ 968	67.79%
04-506-54104	Contractural Services	\$ 10,200	\$ 3,024	\$ 24,868	243.80%
04-506-54107	Legal	\$ 510	\$ -	\$ -	0.00%
04-506-54108	Audit & Accounting	\$ 4,080	\$ -	\$ 6,717	164.62%
04-506-54109	Professional Fees	\$ 30,600	\$ -	\$ -	0.00%
04-506-54110	Laboratory Services	\$ -	\$ -	\$ -	N/A
04-506-55500	Depreciation	\$ -	\$ -	\$ -	N/A
04-5-06-56001	Insurance	\$ 25,500	\$ 2,079	\$ 20,676	81.08%
04-5-06-57030	Regulatory Compliance	\$ 6,630	\$ -	\$ 183	2.76%
04-5-06-57040	Environmental Compliance	\$ 510	\$ -	\$ -	0.00%
	TOTAL RECYCLED EXPENSES	\$ 1,270,360	\$ 85,356	\$ 1,018,681	80.19%



Date: May 11, 2021 **Task:** N/A

Prepared By: Allison M. Edmisten, Chief Financial Officer

Subject: Status Report on the Advanced Metering Infrastructure Project

Recommendation: Staff Presentation - No Action Required.

Yucaipa Valley Water District was awarded a \$1,000,000 United States Bureau of Reclamation WaterSMART: Water and Energy Efficiency Grant on October 2, 2018 for the District's Advanced Metering Infrastructure (AMI) Project. On March 7, 2019, the District was notified the environmental compliance activities were complete and the construction for the project began.

As detailed in the following table the project continues to be ahead of schedule. District staff estimates less than 1,000 AMI meters remain to be installed and functioning by June 2021. Currently 13,339 AMI meters are automatically read (approximately 930 are being hand read). This has greatly reduced the amount of time required for District staff to read meters manually throughout the District.

On April 8, 2021, the District received a \$130,348.00 reimbursement from the U.S. Bureau of Reclamation per the grant guidelines. In total, the District has received \$1,000,000.00. District staff anticipates this project will be complete in Summer 2021.

Financial Impact

Funding for this project in addition to the \$1,000,000 grant is from the Water Fund, Infrastructure Reserves [G/L Account #02-000-10311]. This project is included in the 2020-21 budget as a Capital Improvement Project. There is sufficient funding available in the reserve fund listed above.

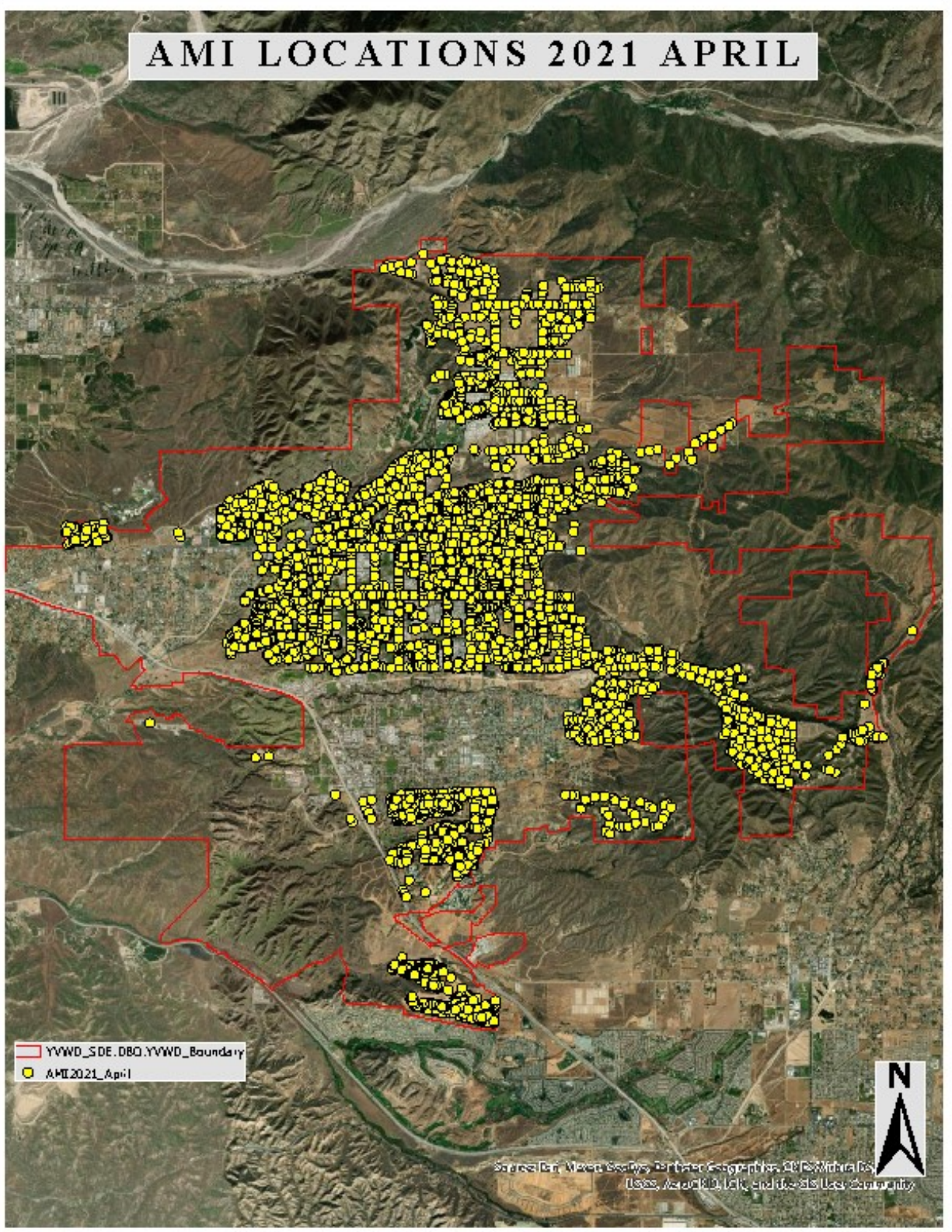
AMI Project - Estimated/Actual Meter Quantities

Action	Quarterly Install Rate				2019 Estimates		2019 Actual	
	Q1	Q2	Q3	Q4	Quantity	Cost	Quantity	Cost
Retrofit	1,200	1,200	1,200	1,200	4,800	\$ 858,000	4,100	\$ 732,875
Replacement	50	50	50	50	200	\$ 93,830	2,920	\$ 1,369,918
Endpoint Installations	1,250	1,250	1,250	1,250	5,000	\$ 951,830	7,020	\$ 2,102,793
Action	Quarterly Install Rate				2020 Estimates		2020 Actual	
	Q1	Q2	Q3	Q4	Quantity	Cost	Quantity	Cost
Retrofit	304	304	305	305	1,218	\$ 217,718	1,918	\$ 342,843
Replacement	912	912	912	912	3,648	\$ 1,711,459	1,910	\$ 896,077
Endpoint Installations	1,216	1,216	1,217	1,217	4,866	\$ 1,929,177	3,828	\$ 1,238,919
Action	Quarterly Install Rate				2021 Estimates		2021 Actual	
	Q1	Q2	Q3	Q4	Quantity	Cost	Quantity	Cost
Retrofit	-	-	-	-	-	\$ -	0	\$ -
Replacement	746	746	745	745	2,982	\$ 1,399,005	2,000	\$ 938,300
Endpoint Installations	746	746	745	745	2,982	\$ 1,399,005	2,000	\$ 938,300
Total Endpoint Installations 2019-2021					12,848	\$ 4,280,012	12,848	\$ 4,280,012

The total number of AMI meters installed is 13,339. However, this includes meters that were installed prior to the approval of the grant. We have less than 1,000 meters to install to complete this project.

The map below indicates the location of meters that are currently read automatically. Many of the meters that remain to be installed are the larger size meters as well as a few remaining residential meters throughout various parts of the District.

AMI LOCATIONS 2021 APRIL





Date: May 11, 2021

Task: 87041

Prepared By: Charles Thomas, Operations Manager

Subject: Consideration to Initiate the Secondary Treatment Improvements Project (STIP) at the Wochholz Regional Water Recycling Facility

Recommendation: That the Board authorize the General Manager to (1) purchase APG-Neuros turbo blowers for a sum not to exceed \$700,745; (2) purchase OTT fine bubble diffusers for a sum not to exceed \$67,775; (3) to authorize the District staff to solicit proposals for the removal of existing equipment and installation of the new equipment; and (4) adopt Resolution No. 2021-24 transferring funds within the Sewer Division as Transfer No. 21.

The Wochholz Regional Water Recycling Facility (WRWRF) secondary treatment process consists of anoxic basins, aeration tanks, and secondary clarifiers. There are four aeration tanks, each containing two aerobic zones for delivery of aeration air. The purpose of aeration air is to provide dissolved oxygen to the biological treatment process for ammonia removal. The current approach involves controlling the dissolved oxygen in the aeration basins. Dissolved oxygen control is essential to cost effective operation; however, the aeration blowers must be able to adjust to a variable demand of oxygen smoothly over differing water quality conditions.



Major modifications to the secondary treatment process as part of the Secondary Treatment Improvements Project include:

- Removal of the IFAS media for the aeration tanks
- Replacement of the aeration tank coarse bubble diffusers with fine bubble diffusers
- Replacement of the aeration air control valves and actuators
- Replacement of the existing multistage centrifugal blowers with turbo blowers

The existing aeration tanks will be retrofitted with fine bubble diffusers which will make the oxygen transfer rate to the biological treatment process more efficient. The IFAS media, retention screens, retention screen supports, and coarse bubble diffusers will be removed from each of the

aeration tanks. The aeration air drop pipes into each aeration tank will be protected-in-place for connection to the new fine bubble diffuser grids. The existing aeration tank control valves and associated electric actuators will be removed and replaced with smaller valves and electric actuators to facilitate better control of the lower aeration air flows. The District staff working with solicited information from potential vendors and selected tubular fine bubble diffusers manufactured by OTT Group and turbo blowers from APG-Neuros.

The purpose of this agenda item is to (1) purchase APG-Neuros turbo blowers for a sum not to exceed \$700,745; (2) purchase the OTT fine bubble diffusers for a sum not to exceed \$67,775, (3) to authorize the District staff to solicit proposals for the removal of existing equipment and installation of the new equipment; and (4) adopt Resolution No. 2021-24 transferring funds for the equipment purchases.

RESOLUTION NO. 2021-24

RESOLUTION OF THE YUCAIPA VALLEY SEWER DISTRICT TRANSFERRING FUNDS WITHIN THE SEWER FUND AS TRANSFER NO. 21 FOR FISCAL YEAR 2021

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

WHEREAS, the Board of Directors has approved the equipment purchase of APG-Neuros Turbo Blowers and OTT Fine Bubble Diffusers for the Secondary Treatment Improvements Project (STIP) at the Wochholz Regional Water Recycling Facility [Director Memorandum No. 21-085].

WHEREAS, the construction costs associated with the installation of this equipment and other costs associated with the Secondary Treatment Improvements Project (STIP) will be addressed in a separate resolution.

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

Section 1: Fund Transfer No. 21 in the amount of \$768,520 from the Sewer Fund Infrastructure Reserves (03-000-10311) to fund the purchase of equipment associated with the Secondary Treatment Improvements Project (STIP).

PASSED, APPROVED and ADOPTED this 11th day of May 2021.

YUCAIPA VALLEY WATER DISTRICT

Chris Mann, President Board of Directors

ATTEST:

Joseph B. Zoba, General Manager

Design Report

HENRY N. WOCHHOLZ REGIONAL WATER RECYCLING FACILITY SECONDARY TREATMENT IMPROVEMENTS PROJECT

DESIGN REPORT

Report Prepared for:



Yucaipa Valley Water District

Prepared by

Separation Processes Inc.
3152 Lionshead Ave.
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April 2021



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Design Report

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- APPENDIX C – Opinion of Probable Cost



1.0 Introduction

The Yucaipa Valley Water District (YVWD) operates Henry N. Wochholz Regional Water Recycling Facility (WRWRF) to produce recycled water that meets California Title 22 requirements and a stringent Total Inorganic Nitrogen (TIN) limit of less than 6 mg/L. The current capacity of the facility is 6.67 mgd of recycled water production. The primary and secondary processes are designed to treat up to 9.2 mgd of wastewater. However, wastewater flows since startup of the plant in 2008 have been about 4 mgd Average Daily Flow (ADF).

The existing facility operates as a conventional wastewater facility with advanced nitrogen removal. A major component of the advanced nitrogen removal system is the AnoxKaldnes Biofilm and Activated Sludge (HYBAS™) process. This process uses Integrated Fixed Film Activated Sludge (IFAS) media to encourage growth of biomass and enhance treatment.

As shown in Figure 1-1, the facility has had issues with foam since startup of the secondary treatment retrofit in 2008. In the summer months there may be about 1-2 feet of foam in the aeration tanks. During the winter months the foaming can be worse with about 3 feet of foam in the aeration tanks. The foam can make its way back to the anoxic basins or downstream to the secondary clarifiers during the winter months. When severe foam events occur, the foam can overflow the aeration tanks.



Figure 1-1: Foam in an Aeration Tank

The foam issue has been a nuisance to the plant operators and has added cost to operation of the facility. Various foam control measures have been employed with limited success. YVWD adopted the approach of investigating the cause of the foam and making efforts to remediate that cause, rather than managing the foam after it is formed. *Nocardia* and other foam-causing microorganisms contribute to the foam generation, but the root cause of the foam generation was determined to be excess IFAS media in the aeration basins.

A BioWin model of the WRWRF was developed to assist with understanding the potential effects of process changes on effluent water quality and process operating parameters. The BioWin model was used to evaluate the effects of aeration tank IFAS media fill percentage, DO

concentration setpoint, temperature, and diffuser type on secondary effluent water quality and aeration rate. The model suggested that removal of all the IFAS media, coupled with replacement of the existing aeration tank coarse bubble diffusers with fine bubble diffusers, would result in minimal difference in secondary effluent quality.

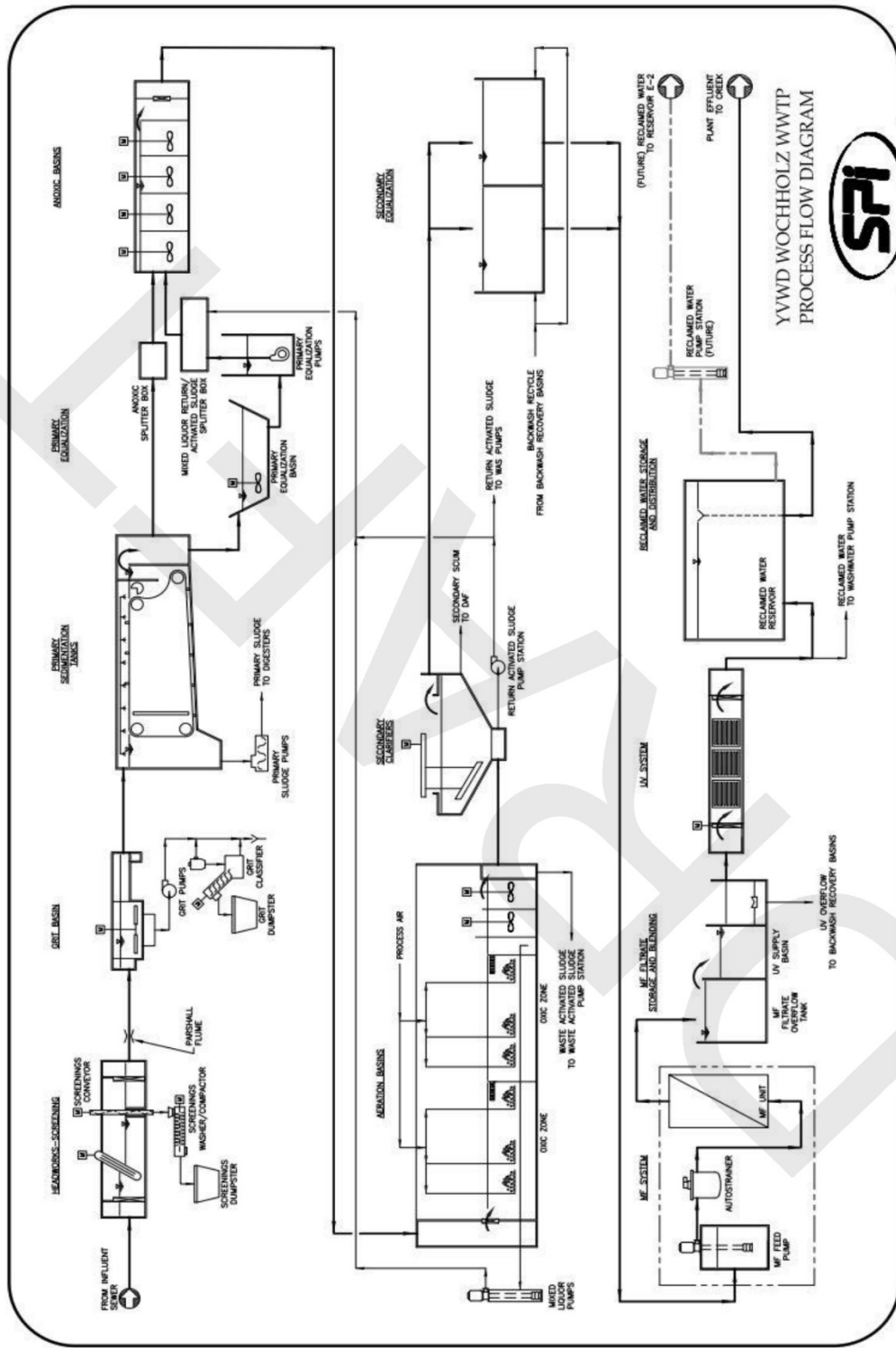
These modifications would decrease the aeration air requirements because air would only be needed primarily to supply oxygen to the secondary activated sludge process, whereas the existing AnoxKaldnes process requires air for both IFAS media suspension/mixing and oxygen supply to the biological process. The existing oversized aeration blowers would need to be replaced with new smaller and more energy efficient blowers. An *Aeration Blower Evaluation Report* (SPI, September 2020) was prepared for the District to assist with selection of the replacement blowers.

The purpose of this Engineering Report is to summarize the major equipment design criteria, project cost estimate, project delivery for the Secondary Treatment Improvements Project.

2.0 Secondary Treatment Process

2.1 Description

Major treatment components of the WRWRF include headworks, primary treatment, primary equalization, secondary treatment, secondary equalization, tertiary treatment - microfiltration and ultraviolet (UV) disinfection, and recycled water storage and distribution. Figure 2-1 shows a process flow diagram of the WRWRF.



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Figure 2-1: WRRF Process Flow Diagram



Effluent from the primary treatment process and/or primary equalization flows to the secondary treatment process. The WRWRF secondary treatment process consists of anoxic basins, aeration tanks, and secondary clarifiers. There are four aeration tanks, each containing two oxic zones for delivery of aeration air. The purpose of aeration air is to provide dissolved oxygen to the biological treatment process. The current approach to operation involves controlling the dissolved oxygen in the aeration basins. Dissolved oxygen control is essential to cost effective operation; however, the aeration blowers must be able to adjust to a variable demand smoothly over differing water quality conditions.

Major modifications to the secondary treatment process as part of the Secondary Treatment Improvements Project include:

- Removal of the IFAS media for the aeration tanks
- Replacement of the aeration tank coarse bubble diffusers with fine bubble diffusers
- Replacement of the aeration air control valves and actuators
- Replacement of the existing multistage centrifugal blowers with turbo blowers

2.2 Aeration Air Requirements

Aeration air requirements were estimated in a BioWin modeling effort summarized in the report entitled *Wochholz WWTP Fine Air BioWin Modeling Summary Report* (Dudek, June 2020). Table 2-1 provides a summary of the aeration air requirements at different primary effluent flows and water temperatures for the secondary treatment process with new fine air bubble diffusers.

Table 2-1: WRWRF Secondary Treatment Aeration Air Requirements

Primary Effluent Flow mgd	Flow Type	No. of Aeration Tanks In Service	Aeration Air Flow	
			18°C Wastewater Temp	28°C Wastewater Temp
			scfm	
3.85	Current ADF	2	1,537	1,736
5.5	Future ADF	3	2,213 *	2,417 *
8	Plant Design ADF	4	3,283	3,586
9.2	Plant Design Max Month	4	3,816	4,205

* Estimated from BioWin modeling results

The aeration air flows in Table 2-1 define the operating envelope for the aeration blower system with fine air bubble diffusers. The aeration air flow requirements are less for lower wastewater temperature. This is because the solubility of oxygen decreases as the wastewater temperature increases. At a lower wastewater temperature, more oxygen can be dissolved into the wastewater for a given air flow. At a higher wastewater temperature, less oxygen can be dissolved in the wastewater at the same air flow rate. This results in a requirement of more

aeration air at a higher wastewater temperature to maintain the same dissolved oxygen concentration in the wastewater.

A graphical representation of the aeration air requirements is presented on Figure 2-2.

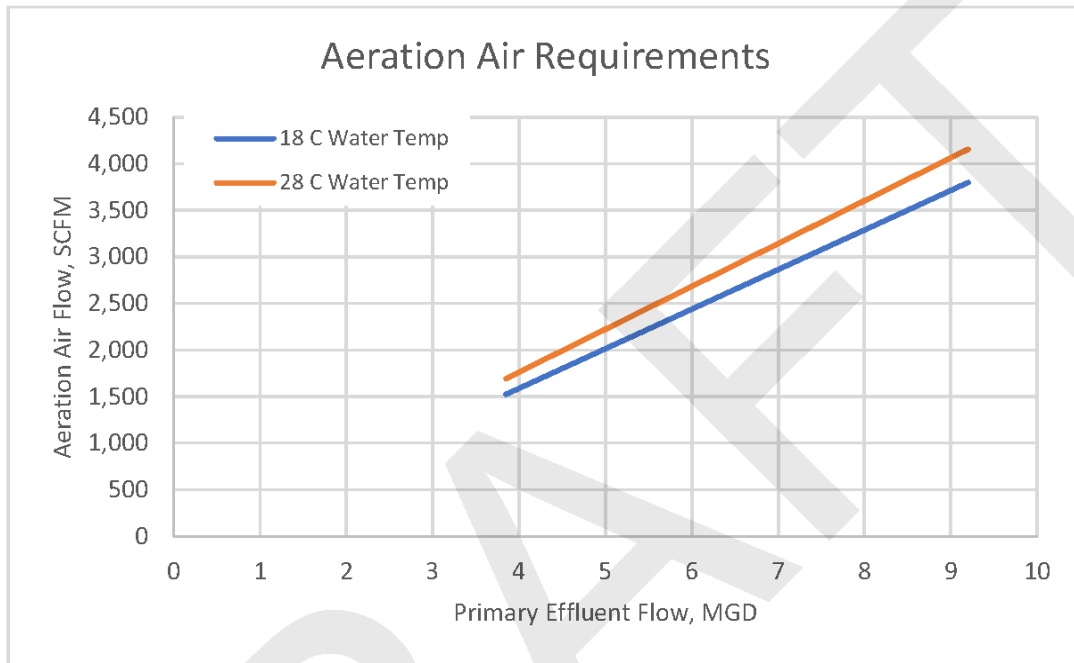


Figure 2-2: WRWRF Secondary Treatment Aeration Air Requirements

2.3 Other Plant Considerations

No other plant modifications will be required as part of the Secondary Treatment Improvements Project. However, the following operational and future modifications summarized in the *Wochholz WWTP Fine Air BioWin Modeling Summary Report* (Dudek, June 2020) should be noted by the District:

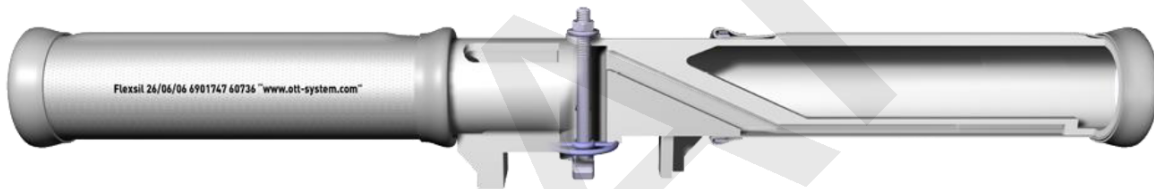
- Waste sludge generation is expected to increase due to conversion of the process from AnoxKaldnes to a conventional activated sludge process. Initially the Waste Activated Sludge (WAS) flow rate may double compared to the existing AnoxKaldnes WAS flow rate. The WRWRF solids handling facility may thus need to be operated longer to process the increased solids.
- The solids loading rate for the existing secondary clarifiers may exceed design limits when the plant nears the ultimate flow rate. Additional clarifiers may need to be added when the plant flow approaches ultimate.

3.0 Aeration Tank Improvements

3.1 Description of Improvements

The existing aeration tanks will be retrofitted with fine bubble diffusers. The IFAS media, retention screens, retention screen supports, and coarse bubble diffusers will be removed from each of the aeration tanks. The aeration air drop pipes into each aeration tank will be protected-in-place for connection to the new fine bubble diffuser grids. The existing aeration tank control valves and associated electric actuators will be removed and replaced with smaller valves and electric actuators to facilitate control of the lower aeration air flows.

The District has selected tubular fine bubble diffusers manufactured by OTT Group. These diffusers are 2 meters long and have flexible membranes constructed of silicone that are fitted to a molded polypropylene diffuser body. Figure 3-1 shows an OTT fine bubble diffuser.



Source: OTT

Figure 3-1: OTT Fine Bubble Diffuser

The diffusers are installed on glass fiber-reinforced polypropylene lateral pipes designed for modularity and fast installation. An example OTT installation is presented in Figure 3-3.



Source: OTT

Figure 3-2: OTT Fine Bubble Diffuse Installation

3.2 Design Criteria

Table 3-1 provides a summary of the fine bubble diffuser design criteria.

Table 3-1: Fine Bubble Diffuser Design Criteria

Parameter	Value
Diffuser Type	Fine Bubble
Diffuser Configuration	Tubular
Manufacturer	OTT
Model	MAGNUM® 2000
Diffuser Membrane Material	FLEXSIL® Silicone
Diffuser Length, m	2
Airflow per Diffuser, Min/Max, Nm ³ /hr/m	1.0/16.0
Number of Aeration Tanks	4
Number of Oxidation Zones Per Aeration Tank	2
Number of Diffuser Grids per Oxidation Zone	3
Oxidation Zone 1 Diffusers per Aeration Tank, Initial/Future	54/72
Oxidation Zone 2 Diffusers per Aeration Tank, Initial/Future	30/36

The initial installation of fine bubble diffusers does not require all the diffuser ports on the lateral pipes to be populated with diffusers. Blind plugs will be installed in unused ports. For Oxidation Zone 1 in each of the aeration tanks, 54 diffusers would be installed (18 per grid). For Oxidation Zone 2 in each of the aeration tanks, 30 diffusers would be installed (10 per grid). Figure 3-3 shows the initial diffuser layout for one of the aeration tanks.

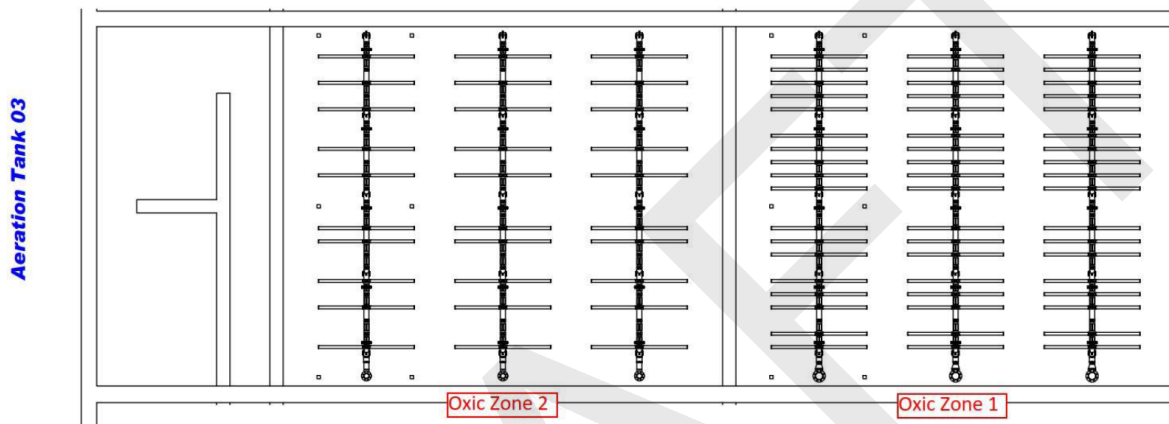


Figure 3-3: Initial Fine Bubble Diffuser Layout

As the plant flow approaches the ultimate flow, additional diffusers would need to be added to the diffuser grids to maintain air flow through the diffusers within the recommended range. In Oxidation Zone 1 of each aeration tank, a total of 72 diffusers (24 per grid) would be needed. In Oxidation Zone 2 of each aeration tank, a total of 36 diffusers (12 per grid) would be needed. The future diffuser layout is shown on Figure 3-4.

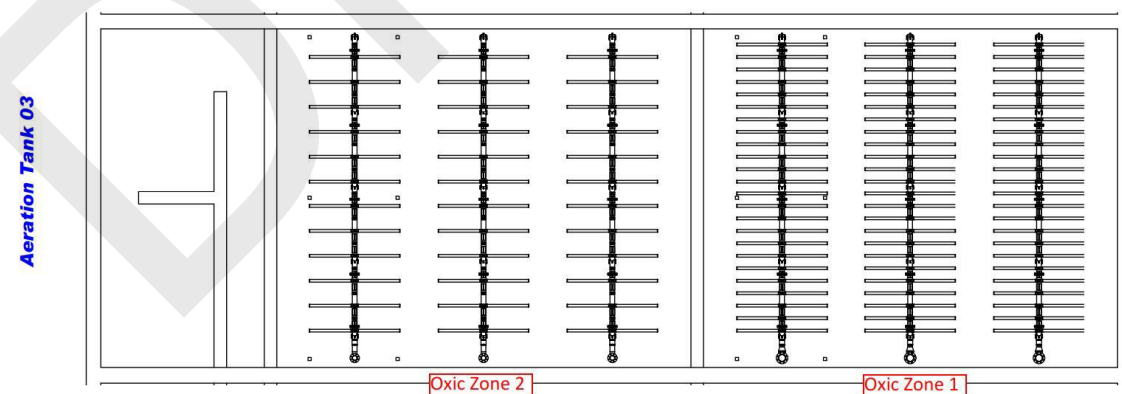


Figure 3-4: Future Fine Bubble Diffuser Layout

4.0 Aeration Blower Replacement

4.1 Description of Improvements

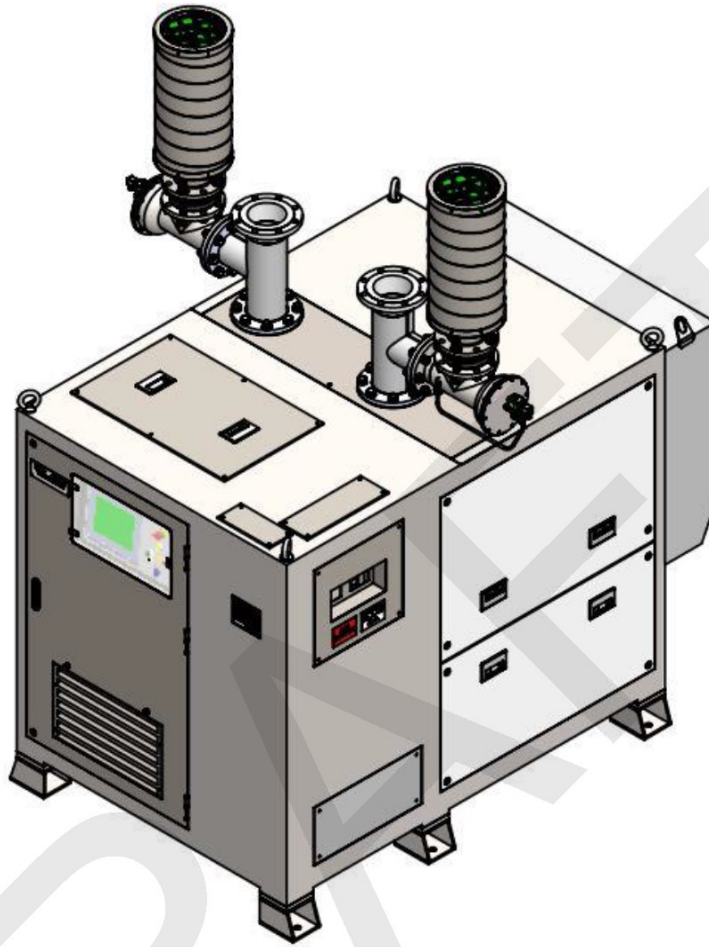
The existing multistage centrifugal blowers will be replaced with dual core turbo blowers. The existing blowers are oversized for providing aeration air to the fine bubble diffusers and do not have an efficient means of turndown other than throttling inlet valves.

The *Aeration Blower Evaluation Report* (SPI, September 2020) evaluated various aeration blower technologies and configurations. Dual core turbo blowers as supplied by APG-Neuros were recommended for the Secondary Treatment Improvements Project. The APG-Neuros dual core turbo blowers would provide lower installation and maintenance requirements, lower installation cost, and better process and energy performance than the other blower alternatives considered.

Turbo blowers use advanced bearing design to operate at higher speeds (10,000 to 50,000 revolutions per minute) with less energy input compared to multi-stage centrifugal and positive displacement blowers. Turbo blowers can achieve high wire-to-air efficiency (75-83%) and a wide turndown percent range (40-55%).

Turbo blowers are close coupled, with the impeller attached to an extended motor shaft so that no flexible coupling is required. Each blower is typically provided as packaged system consisting of a blower (core), motor, VFD, control panel, vibration isolators, and ancillary components. The packaged system is enclosed in a sound attenuating enclosure that reduces noise and offers a small footprint compared to other blower technologies.

Dual core turbo blowers offer the same features as indicated above, but they combine two turbo blower cores within a common enclosure to achieve a more space efficient installation. Each core shares common components including inlet pipe, control panel, and enclosure. Each core has its own VFD and discharge pipe. Figure 4-1 shows an APG-Neuros dual core blower.



Source: APG-Neuros

Figure 4-1: Dual Core Turbo Blower

4.2 Design Criteria

Design criteria for the aeration blowers are shown in Table 4-1.

Table 4-1: Aeration Blower Design Criteria

Parameter	Value
Blower Type	Dual Core Turbo
Manufacturer	APG-Neuros
Model	NX150D-C080
Bearing Design	Airfoil
Number of Blower Units	2 Duty/1 Standby
Number of Cores per Blower Unit	2
Blower Nominal Power, HP each	150 (75 per core)
Blower Nominal Capacity, SCFM each	2,293 (1,147 per core)
Discharge Pressure, psig	10.7
Sound Enclosure	Yes
Drive Type	VFD
Drive Configuration	Integral to Sound Enclosure

For the initial installation one duty dual core turbo blower and one standby dual core blower would be needed to provide sufficient aeration air. However, the District decided to install a total of three dual core blowers initially to avoid future construction activities in the WRWRF blower room. The 2 duty/1 standby configuration would be capable of providing aeration air for the ultimate plant flow.

The new dual core blowers will be placed at similar locations within the existing blower room to facilitate use of existing piping corridors, access corridors, and building wall penetrations. Figure 4-2 shows an isometric view of the blower room with the dual core blowers installed.

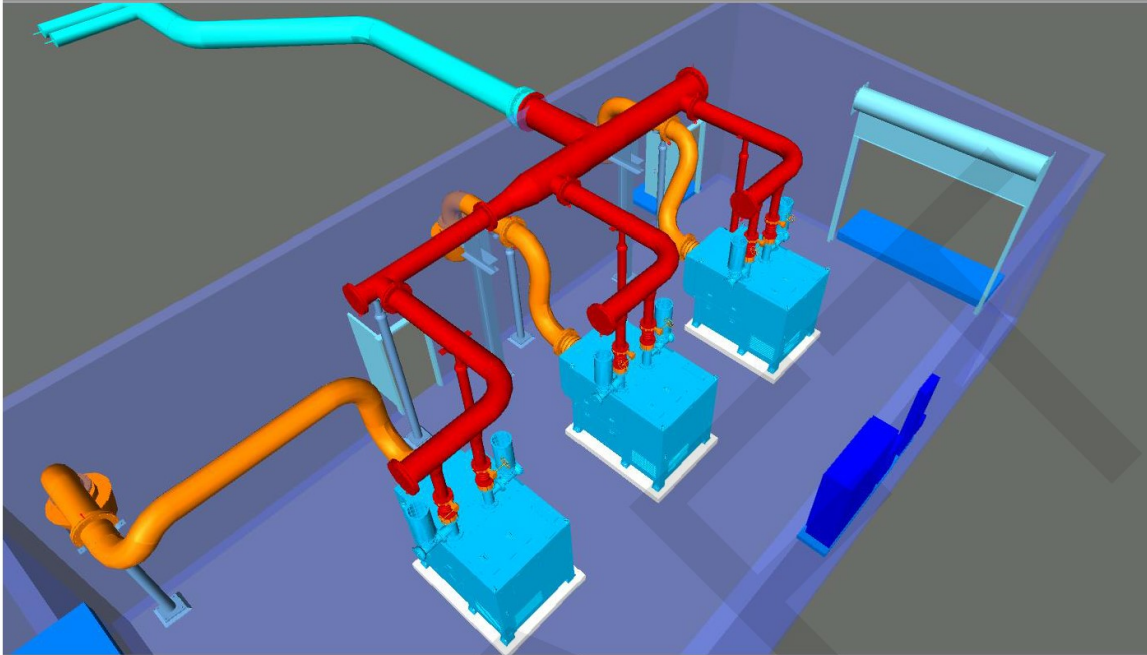


Figure 4-2: WRWRF Blower Room

5.0 Instrumentation and Control

The aeration blowers are a key component of the aeration system for the secondary treatment process. Other major components of the aeration system include:

- Aeration Tanks – each with two Oxidation Zones
- Fine Bubble Diffusers
- Aeration Air Control Valves with Electric Actuators
- Aeration Air Flowmeters
- Dissolved Oxygen Analyzers

Figure 5-1 presents a schematic of the aeration system including the major system components.

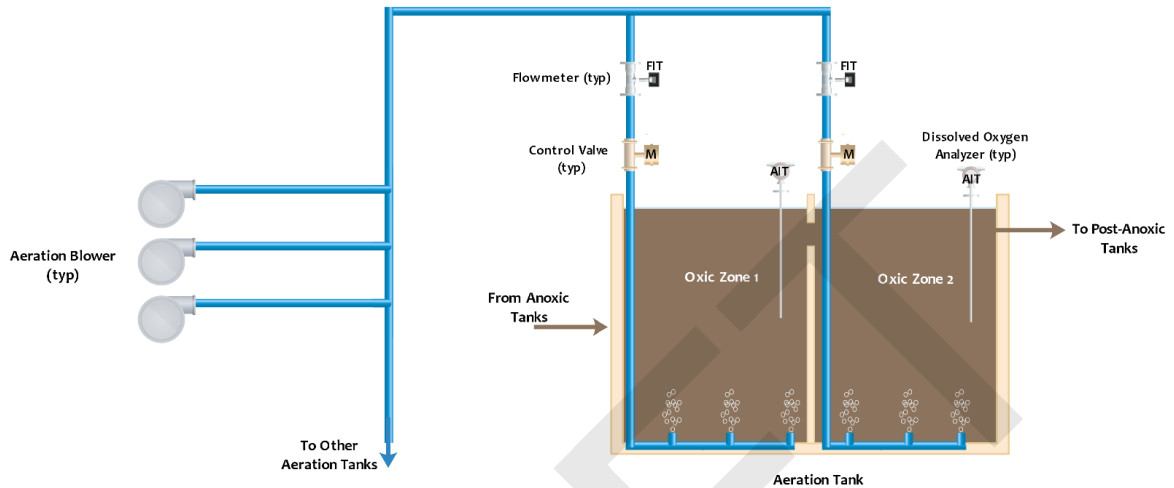


Figure 5-1: Secondary Treatment Process Aeration System

The overall control objective for the secondary treatment process is to provide sufficient aeration air to achieve dissolved oxygen setpoints in each of the two Oxic Zones in the aeration tanks. This is accomplished by measuring the dissolved oxygen concentration in the Oxic Zones and estimating the amount of aeration air needed at the plant flow rate. The blowers operate to supply the aeration air to the aeration tanks. The aeration air flowmeters and aeration air control valves work together to deliver the required aeration air to each Oxic Zone.

The existing multistage centrifugal blowers were supplied as a package along with other aeration system instrumentation and control components including the aeration air control valves/actuators, aeration air flowmeters, dissolved oxygen analyzers, blower local control panels (LCPs), blower Master Control Panel (MCP). It is common practice on municipal wastewater treatment plant projects to have the blower supplier provide these components and also provide control programming for the aeration system. This results in supply of an integrated control package and a single responsible party for the major aeration system components.

For the Secondary Treatment Improvements Project, the existing aeration air flowmeters and dissolved oxygen analyzers will be used with the new aeration system components. The existing 10-inch (Oxic Zone 1) and 8-inch (Oxic Zone 2) aeration air control valves will be replaced with 6-inch and 5-inch valves, respectively. New electric actuators will be provided for these smaller valves. The existing blower LCPs will be demolished since each dual core turbo blower is provided with an integrated control panel.

APG-Neuros performed an assessment of the existing MCP and determined that it could be repurposed for use on this project with the following modifications:

- Installation of a new Uninterruptible Power Supply (UPS)
- Replacement of the existing PanelView 1000 Operator Interface Terminal (OIT) with a 15-inch PanelView plus 7 OIT
- Replacement of the ControlNet network with a DLR network ring
- Addition of an APG-Neuros standard network switch for blower communications
- Upgrade the current firmware version 16 to version 20.057
- Replacement of the existing aeration program with the APG-Neuros aeration control program

The APG-Neuros control strategy utilizes the Most Open Valve (MOV) method for air distribution. MOV is a commonly employed control method for modern aeration systems. MOV control is a variable header pressure control scheme in which the blower discharge header pressure is automatically adjusted to ensure the valve at the most pneumatically demanding location is the most open. This reduces energy waste created by valve throttling and can result in lower power and energy consumption.

6.0 Electrical

6.1 Existing Electrical and Instrumentation

There are three existing 400HP blowers, instrument and control panels that provide the air for the aeration tanks. These blowers have their own control panels and communicate with PLC-9 located in the existing blower master control panel No: MCP-1500.

In addition, there are eight control valves at the aeration tanks that provide aeration to the aeration tanks.

6.2 Description of Improvements

In this project, the existing 400HP blowers are being replaced with new 150HP blowers which include the compressor, motor, VFD, harmonic filter and PLC control panel in one package that is supplied by APG-Neuros.

The existing blower feeder panel in MCC-AA will be used to feed new blower package. To do so, the existing 600A circuit breaker, solid-state motor starter with bypass contactor, and other electrical equipment will be removed, and two new 150 Amp circuit breakers will be installed in each panel to feed each one 75HP blower in the blower package.

The underground power and control conduits will be re-routed to the location of the new blower conduit entries.

The new blower control panels will communicate with the existing PLC-9 panel No: MCP-1500 by means of Ethernet communication. The PLC-9 panel will be modified by APG-Neuros to accommodate the Ethernet communication.

The eight control valves at the aeration tanks will be replaced and relocated. However, the existing control and power wires will be re-used after testing.

7.0 Project Delivery

The District will utilize Design-Bid-Build project delivery for the Secondary Treatment Improvements Project.

7.1 Equipment Procurement

Major equipment (fine bubble diffusers, dual core turbo blowers) will be pre-purchased by the District. Appendix A includes a proposal for the fine bubble diffusers. A proposal for the dual core turbo blower and associated scope items is provided in Appendix B.

Plans and specifications for construction of the improvements will be used to solicit bids from contractors to perform the work.

7.2 Construction Schedule

Construction of the Secondary Treatment Improvements Project needs to be performed and completed before the winter months. Operation of the WRWRF is of critical importance and must be maintained during the construction period. Temporary blowers will need to be rented to provide aeration air while the new dual core blowers are being installed. Figure 7-1 presents a preliminary construction schedule.

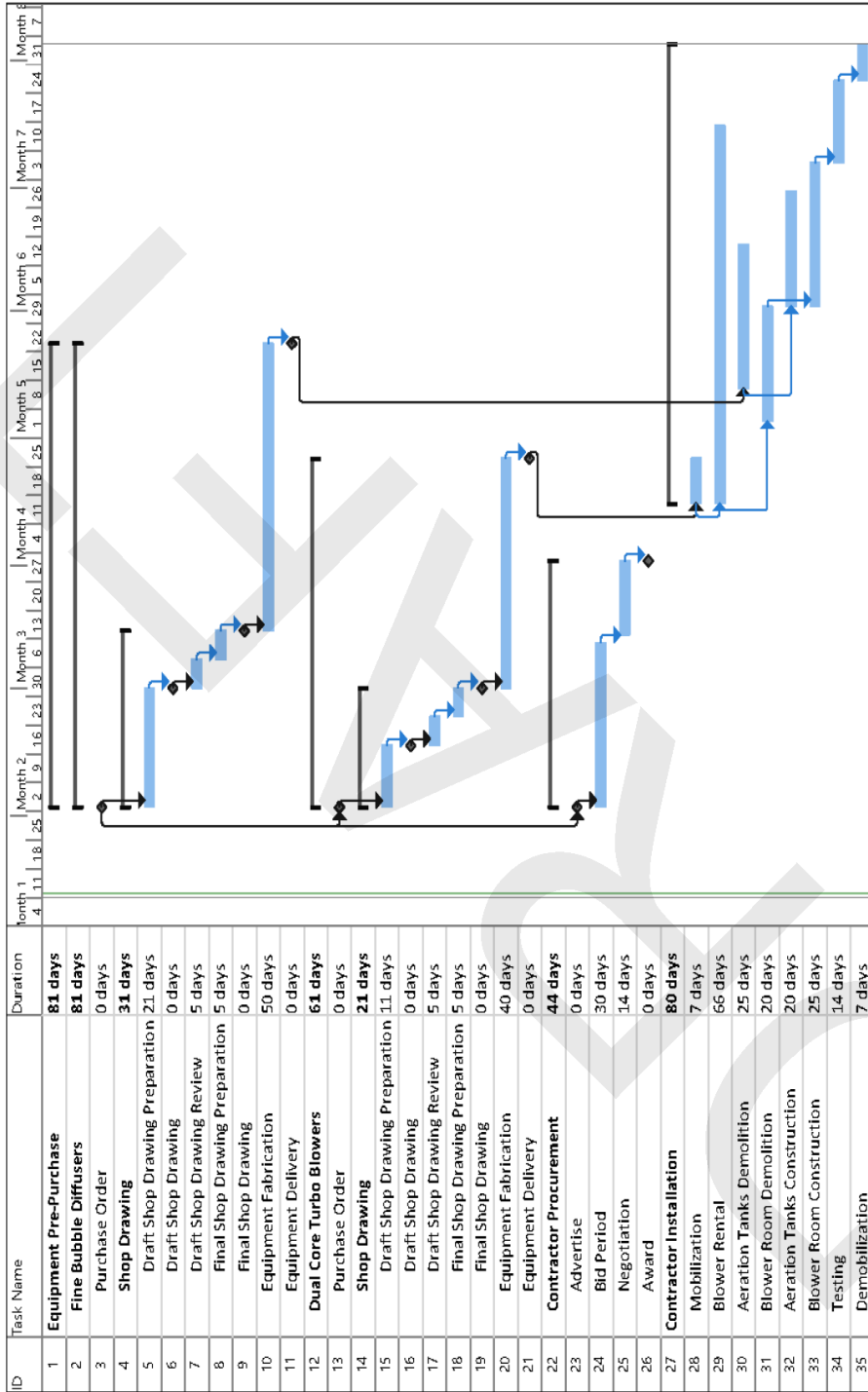


Figure 7-1: Preliminary Construction Schedule



8.0 Opinion of Probable Cost

Table 8-1 presents an estimate of the construction cost for Secondary Treatment Improvements Project. The cost was separated into three components – District Equipment Pre-Purchase, Contractor Installation, and Project Summary.

Table 8-1: Estimated Construction Cost Summary

Item Description	Units Option 1
District Equipment Pre-Purchase	
Fine Bubble Diffusers	\$56,100
APG-Neuros Dual Core Turbo Blower Package	\$650,343
Taxes (7.75%)	\$54,749
Equipment Pre-Purchase Subtotal	\$762,000
Contractor Installation	
Aeration Tank Improvements	\$84,000
Aeration Blower Improvements	\$352,000
Contractor Overhead and Profit (20%)	\$88,000
Bonds and Insurance (3%)	\$16,000
Contractor Installation Subtotal	\$540,000
Project Summary	
Equipment Pre-Purchase Subtotal	\$762,000
Contractor Installation Subtotal	\$540,000
Contingencies (25%)	\$326,000
Engineering (15%)	\$196,000
Projected Construction Cost	\$1,824,000

Costs for the equipment pre-purchase were obtained from the fine bubble diffuser and dual core blower proposals in Appendix A and B, respectively. Appendix C provides a more detailed breakdown of the costs summarized in Table 8-1.

APPENDIX A - OTT FINE BUBBLE DIFFUSERS PROPOSAL

DRAFT



OTT North America, LLC

225 Peachtree St. NE, Suite 1100 South

Atlanta, GA 30303 USA

flood@ott-group.com

Phone: 920-213-6334

February 26, 2021

Charles Cruz, PE

SPI Engineering

3152 Lionshead Ave.

Carlsbad, CA 92010

760-400-3660

ccruz@spi-engineering.com

Subject: Quotation 19-0788-R2, Yucaipa Valley WWTP - Wochholz Aeration Basin Retrofit

Technical Comments:

OTT has evaluated the oxygen transfer requirements based on SOR rates from the BioWin analysis. Oxygen transfer characteristics, airflows, and efficiencies are shown in our process simulations.

We have taken a high efficiency approach and are proposing a robust system that includes reuse of the 304 stainless drop pipes, transition piece manifolds, our AIRREX[®] molded polypropylene laterals and MAGNUM[®] tube diffusers with FLEXSIL[®] silicone membranes. The installation will be done in a 2 phase approach that includes 54 diffusers / 30 diffusers in phase 1 and 72 diffusers / 36 diffusers in phase 2.

Submittal, O&M manual, startup, and training services as well as site delivery are included. Installation service has NOT been included at this time, but can be added if requested.

MAGNUM[®] Tube diffusers

OTT MAGNUM[®] tube diffusers offer excellent performance and durability at an attractive price. MAGNUM[®] aeration diffusers on AIRREX[®] laterals provide cost-efficient realization of air supply piping and diffuser installation.

Available in overall lengths up to 2200 mm (86.61"), MAGNUM[®] provides extremely high membrane surface area in a single diffuser. This results in minimum installation time and low air piping costs. Like all OTT tubular diffusers, MAGNUM[®] is equipped with patented engineering features including an integrated end-to-end air channel and a wrinkle-free membrane mounting ridge. The diffuser bodies are molded polypropylene, providing reliable, corrosion free service at operating temperatures up to 120°C (248°F). They are very resistant to moisture absorption, good chemical resistance over a wide range of bases and acids, and fully resistant to formic acid. MAGNUM[®] diffuser bodies mount directly to our unique, modular AIRREX[®] molded PP laterals. The system is designed for quick & easy installation and membrane replacement in all configurations.

Membrane materials

MAGNUM[®] tube diffusers are available in premium membrane materials, including FLEXNORM[®] EPDM and FLEXSIL[®] silicone to best suit a variety of municipal & industrial wastewater conditions. An array of membrane perforation sizes are available to optimize the oxygen transfer efficiency and ensure a uniform bubble pattern over a broad air throughput range.

- FLEXNORM[®] provides workhorse reliability even in demanding wastewaters. FLEXNORM[®] membranes are formulated with a biologically resistant plasticizer which reduces shrinkage and age-related hardening. FLEXNORM[®] EPDM provides long service life at air temperatures up to 80°C (176°F).
- FLEXSIL[®] membranes are recommended for use where maximum service life is desired. This polyorgano siloxate (silicone) material is free of plasticizers, thus are far less susceptible to shrinkage and age-related hardening relative to conventional membrane materials. FLEXSIL[®] membranes are highly resistant to UV, oils, fats, grease and retain their flexibility over extended service periods. Their smooth surface finish resists adherence of biological organisms that lead to fouling.

Quotation 19-0788-R2, Yucaipa Valley WWTP - Wochholz Aeration Basin Retrofit

AIRREX® Modular Lateral Piping

AIRREX® is the first injection molded glass fiber reinforced polypropylene piping assembly designed expressly for aeration service. All components are recyclable and free of PVC.

With rugged construction and ability to handle service temperatures exceeding 100°C / 212°F, AIRREX® outperforms PVC piping (60°C / 140°F) at a small additional cost. However, the modular design allows for extremely fast installations which normally more than offset this cost. AIRREX® laterals are expandable up to 22m (72.2 ft.) in increments of 1.8m. Each section can support 6 diffusers at 300mm intervals or 8 diffusers at reduced pitch for high density applications. Multiple inlet connection sizes allow for connection to any existing piping system. Reinforced, threaded diffuser ports are designed for direct, easy installation of MAGNUM® tube diffusers or D-REX® disc diffusers as well as diffusers from other manufacturers. Specially designed clamps allow thermal expansion without expansions joints and prevent rotation of lateral.

All stainless fabrications are welded and passivated according to ASTM A380 standards.

DESIGN CRITERIA

Parameter	Value
Influent Flow Rate, Average Flow (MGD) – Current 54 / 30 configuration	3.85
Influent Flow Rate, Peak Flow (MGD) – Future 72 / 36 configuration	9.2
Influent Flow Rate, Average Ultimate Flow (MGD) – Future 72 / 36 configuration	8
Number of Basins	4
Dimension of Zone 1 each basin, L x W x S WD (ft)	27 x 33 x 20
Dimension of Zone 2 each basin, L x W x S WD (ft)	27 x 33 x 20
Zone 1 SOR in each basin (lb O ₂ /hr/basin)	At Current Average Annual Conditions – 2 basins in operation 216.94
Zone 2 SOR in each basin (lb O ₂ /hr/basin)	At Current Average Annual Conditions – 2 basins in operation 120.52
Zone 1 SOR in each basin (lb O ₂ /hr/basin)	At Current Average Annual Conditions – 4 basins in operation 225.40
Zone 2 SOR in each basin (lb O ₂ /hr/basin)	At Current Average Annual Conditions – 4 basins in operation 125.22
Zone 1 SOR in each basin (lb O ₂ /hr/basin)	At Current Average Annual Conditions – 4 basins in operation 259.21
Zone 2 SOR in each basin (lb O ₂ /hr/basin)	At Current Average Annual Conditions – 4 basins in operation 144.01
Design Alpha (α) factor – Zone 1	0.5
Design Alpha (α) factor – Zone 2	0.6
Beta (β) factor	0.95
Target D.O. – Zone 1 (mg/L)	2.0
Target D.O. – Zone 2 (mg/L)	2.0
Design temperature of sewage (°C)	24°C ave (Range 18 - 28)
Design MLSS in the basins, average (mg/l)	3998 - 4748
Altitude of the site above MSL (ft)	2074
Estimated temperature at blower discharge (°F)	100 - 300
Estimated temperature at top of drop pipe (°C)	
Design Minimum air flow per diffuser (Nm ³ /hr/m) NOTE: MG2000 = 2 m	1.0
Design Minimum air flow per diffuser (Nm ³ /hr/m) NOTE: MG2000 = 2 m	16.0



Quotation 19-0788-R2, Yucaipa Valley WWTP - Wochholz Aeration Basin Retrofit

Aeration System with 54 Zone 1 & 30 Zone 2 Configuration **\$56,100.**
For Current Average Annual Condition with 2 basins in service.

- OTT will furnish complete aeration systems for the 2 aeration zones in 4 basins. Supply scope includes:
- 12 Transition pieces, 304L, 6 x 4 sch. 10, with ANSI flange / AFR, elbow, reducer, stub outlet
 - 12 Transition pieces, 304L 4" sch 10, with ANSI flange / AFR, elbow, stub outlet
 - 24 Flange / bolt-up sets for connecting drop pipe to transition piece
 - 24 AIRREX[®] AR4 diffuser laterals, GF-PP, DN100 x 7.49 m long. 24 ports for attachment of MAGNUM[®] diffusers
 - 24 Silicone couplings with clamps for attaching to AIRREX[®] inlet piece
 - 340 MAGNUM[®] 2000 tube diffusers, polypropylene, with wrinkle-free membrane mounting ridge and FLEXSIL[®] Silicone membranes. 1.2 mm perforation. Includes 4 spares.
 - 244 Blind plugs of polypropylene. Includes 4 spares.
 - 8 Dewatering lines of EPDM hose and 3/4" PVC ball valve for each zone. Attachment using clamps and anchors
 - 1 MAGNUM[®] Assembly tool set, without torque wrench.
 - 1 Lot fastening hardware in 316 ss. Lateral supports, all-thread, nuts, washers, wedge anchors.

NOTE: Reuse of existing drop pipe up to flange connection located 1 ft, 9-3/4 in. above the basin floor.

NOTE: A additional diffusers in the 72 Zone 1 & 36 Zone 2 Configuration are required for 8.0 MGD Future Ultimate Annual & 9.2 MGD Future Ultimate Peak Conditions with 4 basins in service.

ADDER – 96 additional MAGNUM 2000 Diffusers to convert to 72 Zone 1 & 36 Zone 2 Configuration **\$6,797.**

SERVICES:

- 1 Construction Submittal and O&M Manual
- 1 Project management / delivery coordination
- 1 Installation Inspection, issuance of certification
- 1 Startup and Training, including travel & living
- 1 DAP Delivery to project site

SUBMITTAL:

Construction Submittal will be provided 3-4 weeks after receipt of order. Submittal to contain:

- Plan and elevation layout drawings listing BOMs
- Installation instructions / procedures
- O&M procedures
- Component detail cut sheets
- Headloss vs. flowrate data
- Oxygen transfer performance curves

Shipment is approximately 8-10 weeks after submittal and drawing approvals.

WARRANTY:

OTT warrants all materials and workmanship for 2 years. See attached warranty conditions.

TERMS: 10% with order, 25% with submittal, 50% with delivery, 10% with startup, 5% with final acceptance.

We look forward to working with you on this important project. Please contact me if you have any questions.

Best Regards,

Finian Flood

Finian Flood
flood@ott-group.com
920-213-6334 Cell

Cc: JBI Water & Wastewater – Tarn Victor

Warranty Conditions



OTT GROUP

Applicable to deliveries after 01.05.2019

1. Object of delivery

1.1. Item description

The OTT warranty conditions apply to the following products as well as their accessories and attachments:

- STANDARD membrane tube diffuser
- STANDARD 2 membrane tube diffuser
- MAGNUM[®] membrane tube diffuser
- MAGNUM[®] T membrane tube diffuser
- D-REX[®] membrane disc diffuser
- FLEXNORM[®] membranes
- FLEXSIL[®] membranes
- FLEXLON[®] membranes
- AirRex[®] piping systems
- OTT aeration systems

1.2. Technical data

The dimensions and material properties of the components as well as the pressure losses of the membranes/aerators can be found in the technical data sheets. These are available at service.ott-group.com.

1.3. Performance data

Details of the oxygen inputs and the efficiency of the membranes/aerators are determined on project-related basis. The performance data of your membranes/aerators can be found in the data sheet provided.

2. Warranty case

A warranty shall be applicable when faults in material or workmanship have occurred which cause damage to the product during the warranty period.

Damage or changes to the product caused by actions beyond the control of OTT (e.g. build-up of biological deposits on the membranes, damage due to clogging, a change to the pressure loss and the behaviour of the flue due to improper storage) are not covered by the warranty.

The warranty also does not apply if the defect or the reduced performance is due to improper handling or failure to comply with the OTT installation, operating and maintenance instructions.

3. Warranty period

The warranty period shall amount to 24 months from the date of despatch.

4. Scope of warranty

Warranty shall be limited to the delivery of free replacements for justifiably rejected parts. Such a free supply of replacement parts does not prolong the warranty period indicated under Item 3, not even with respect to the replacements supplied. Otherwise, all other and additional claims, particularly claims for damages, shall be excluded, unless OTT System GmbH & Co. KG can be accused of intention or gross negligence.

5. Notice of defect

Any defects have to be notified to manufacturer immediately within two working days after they became known. The manufacturer reserves the right to inspect the damage himself or have it inspected by a person appointed by him. If, for compelling reasons, a replacement has to be supplied by OTT System prior to the inspection or the acknowledgement of a warranty case, such a replacement shall be invoiced on a preliminary basis until the liability has been clarified.

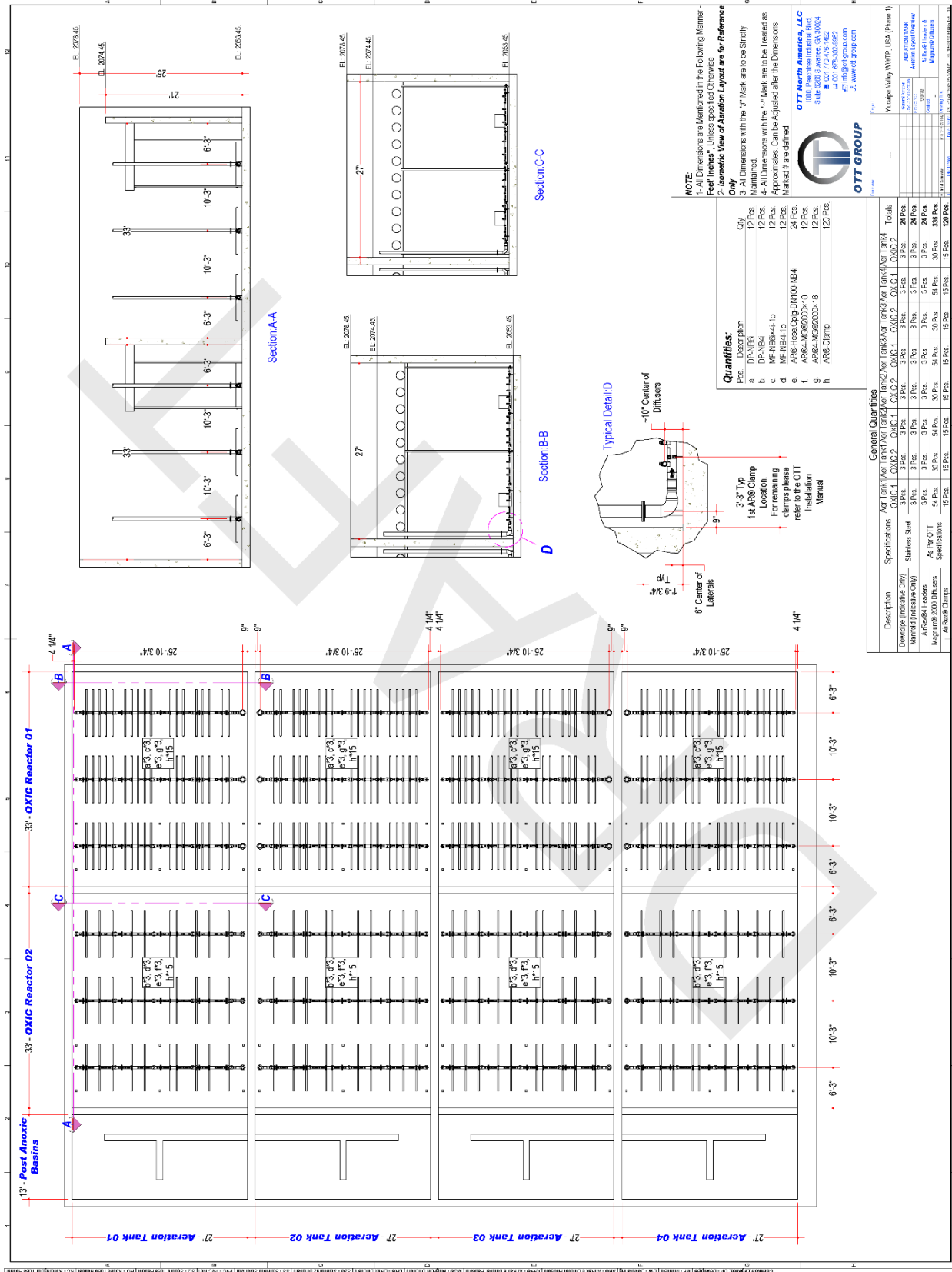
www.ott-group.com · Email: info@ott-group.com · Phone +49(0)511 78631-0

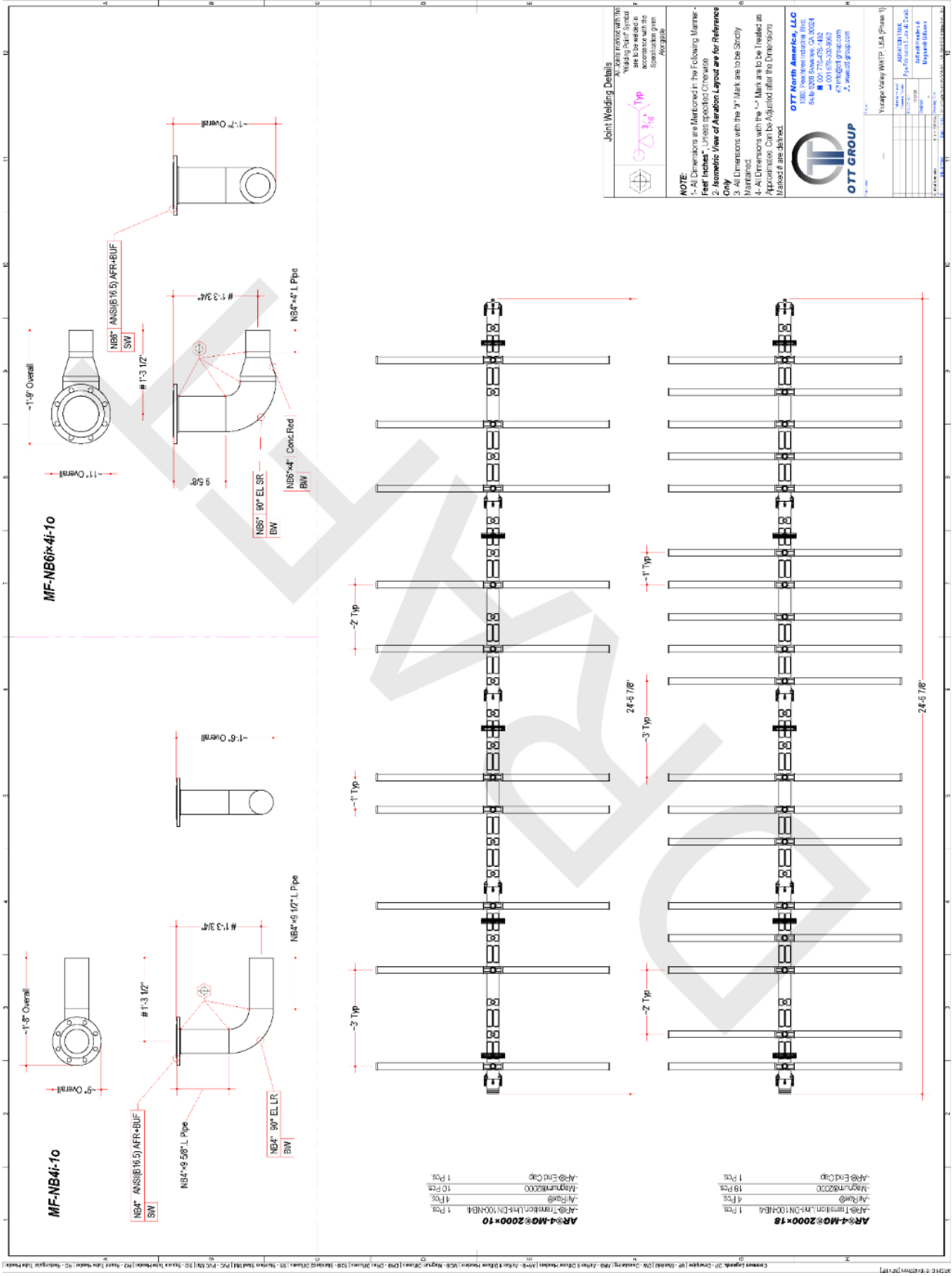


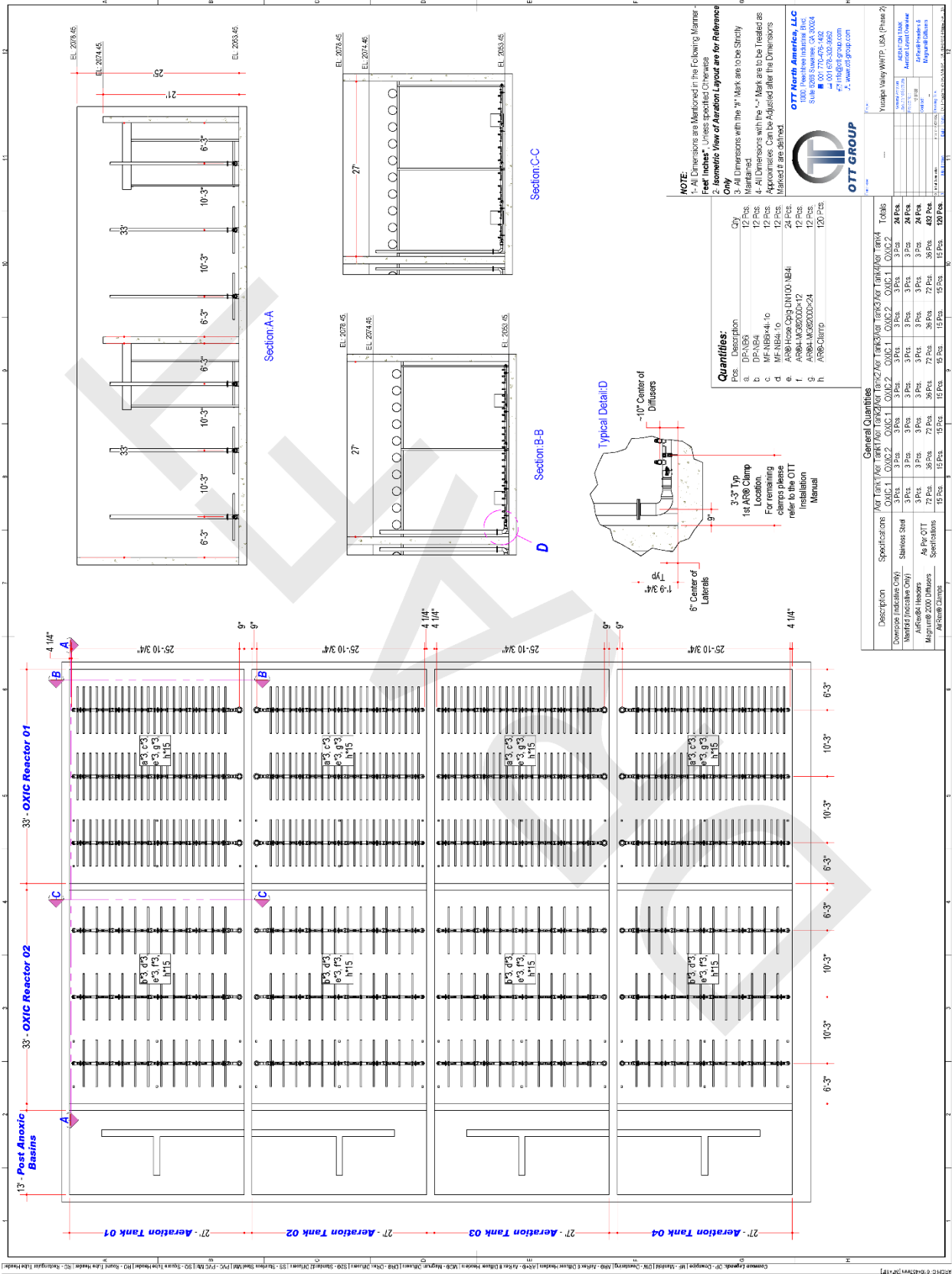
OTT GROUP
 15-0788
 Revision 1
 11/15/2020
 MACHADO

Per location: 1 of 2

	Yucaipa Valley		Yucaipa Valley		Yucaipa Valley		Yucaipa Valley		Yucaipa Valley		Yucaipa Valley	
	Phase 1 Current Operation (MGD 3.85)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)	Phase 2 Future Operation (MGD 6.0)
1. BASIN DIMENSIONS	length	33.0 ft	33.0 ft	33.0 ft	33.0 ft	33.0 ft	33.0 ft	33.0 ft	33.0 ft	33.0 ft	33.0 ft	33.0 ft
	width	20.008 ft	20.008 ft	20.008 ft	20.008 ft	20.008 ft	20.008 ft	20.008 ft	20.008 ft	20.008 ft	20.008 ft	20.008 ft
distance of axis from floor	SWD	7.9 inch	7.9 inch	7.9 inch	7.9 inch	7.9 inch	7.9 inch	7.9 inch	7.9 inch	7.9 inch	7.9 inch	7.9 inch
	Submergence	19.352 ft	19.352 ft	19.352 ft	19.352 ft	19.352 ft	19.352 ft	19.352 ft	19.352 ft	19.352 ft	19.352 ft	19.352 ft
Basin Area		680.1146953 sq ft	680.1146953 sq ft	680.1146953 sq ft	680.1146953 sq ft	680.1146953 sq ft	680.1146953 sq ft	680.1146953 sq ft	680.1146953 sq ft	680.1146953 sq ft	680.1146953 sq ft	680.1146953 sq ft
	Basin Volume	17818 ft ³	17818 ft ³	17818 ft ³	17818 ft ³	17818 ft ³	17818 ft ³	17818 ft ³	17818 ft ³	17818 ft ³	17818 ft ³	17818 ft ³
2. OXYGEN REQUIREMENTS	used O ₂ for the simulation	216.9 lbs/hr	58.4 kg/hr	223.40 lbs/day	102.24 kg/day	175.22 lbs/day	56.80 kg/day	259.19 lbs/day	117.57 kg/day	144.00 lbs/day	65.32 kg/day	1566 kg/d
		5706.4 lbs/day	1312 kg/d	5429.6 lbs/day	2454 kg/d	3006.3 lbs/day	1383 kg/d	6220.7 lbs/day	2822 kg/d	3456.1 lbs/day	1566 kg/d	1295 kg/m ³ /hr
3. SYSTEM DESIGN	active length of diffusers	54.60 pcs	39 pcs	73.00 pcs	37 pcs	36.00 pcs	34 pcs	73.00 pcs	37 pcs	36.00 pcs	36 pcs	2000 ft
	total diffuser length	334 ft	108 m	767 ft	144 m	767 ft	230 m	767 ft	144 m	767 ft	230 m	72 m
diffuser density		185.9 sqft	17.25 m ²	393.3 sqft	23.04 m ²	323.9 sqft	11.52 m ²	247.9 sqft	23.04 m ²	323.9 sqft	11.52 m ²	14%
	number of laterals	34.6 pcs	7.3 pcs	24.6 pcs	7.3 pcs	24.6 pcs	7.3 pcs	24.6 pcs	7.3 pcs	24.6 pcs	7.3 pcs	12 pcs
diffuser spacing (axis to axis)	width of grid	16.9 inch	0.43 m	12.5 inch	0.32 m	12.5 inch	0.32 m	12.5 inch	0.32 m	12.5 inch	0.32 m	0.66 m
	open space between grids	34.0 inch	0.86 m	34.0 inch	0.86 m	34.0 inch	0.86 m	34.0 inch	0.86 m	34.0 inch	0.86 m	0.86 m
floor coverage		59.8%	60%	60%	60%	59.8%	59.8%	59.8%	59.8%	59.8%	59.8%	59.8%
		64317 sqft	1025 Nm ² /hr	397 sqft	629 Nm ² /hr	608 sqft	559 Nm ² /hr	383 sqft	353 Nm ² /hr	724 sqft	665 Nm ² /hr	459 sqft
4. AIR FLOW RATES	diffuser throughput rate	12.0 scfm/diffusers	9.5 Nm ³ /hr/m	8.4 scfm/diffusers	6.7 Nm ³ /hr/m	8.4 scfm/diffusers	6.7 Nm ³ /hr/m	10.1 scfm/diffusers	8.0 Nm ³ /hr/m	12.7 scfm/diffusers	10.1 Nm ³ /hr/m	12.7 scfm/diffusers
	MIXING CAPABILITY	specific aeration rate	36.4 scfm/1000 cft	2.05 Nm ³ /hr/m ³	22.3 scfm/1000 cft	1.25 Nm ³ /hr/m ³	21.5 scfm/1000 cft	1.20 Nm ³ /hr/m ³	40.7 scfm/1000 cft	2.27 Nm ³ /hr/m ³	25.7 scfm/1000 cft	1.44 Nm ³ /hr/m ³
5. EFFICIENCY	making energy	27.2 Wh/m ³	16.7 Wh/m ³	16.7 Wh/m ³	25.4 Wh/m ³	16.0 Wh/m ³	16.0 Wh/m ³	30.4 Wh/m ³	19.2 Wh/m ³	19.2 Wh/m ³	19.2 Wh/m ³	19.2 Wh/m ³
	SOOT	32.1 %	1.66 %/ft	32.1 %	1.66 %/ft	32.1 %	1.66 %/ft	32.1 %	1.66 %/ft	32.1 %	1.66 %/ft	32.1 %
6. PRESSURE LOSS	diffuser headloss	40.27 mbar	51.13 mbar	0.59 psi	40.75 mbar	0.79 psi	54.26 mbar	0.77 psi	53.06 mbar	0.86 psi	58.05 mbar	0.86 psi
	pressure against water column	8.39 mbar	579 mbar	8.39 mbar	579 mbar	8.39 mbar	579 mbar	8.39 mbar	579 mbar	8.39 mbar	579 mbar	8.39 mbar
total headloss (new diffusers)		9.31 psi	642 mbar	9.31 psi	645 mbar	9.31 psi	645 mbar	9.31 psi	645 mbar	9.31 psi	645 mbar	9.31 psi
		15.25 ft	15.25 ft	15.25 ft	15.25 ft	15.25 ft	15.25 ft	15.25 ft	15.25 ft	15.25 ft	15.25 ft	15.25 ft







NOTE:
 1. All Dimensions are Mentioned in the Following Manner - Feet/Inches*, Unless Specified Otherwise
 2. Isometric View of Aeration Layout are for Reference Only
 3. All Dimensions with the 7' Mark are to be Strictly Maintained
 4. All Dimensions with the 4'-11\"/>

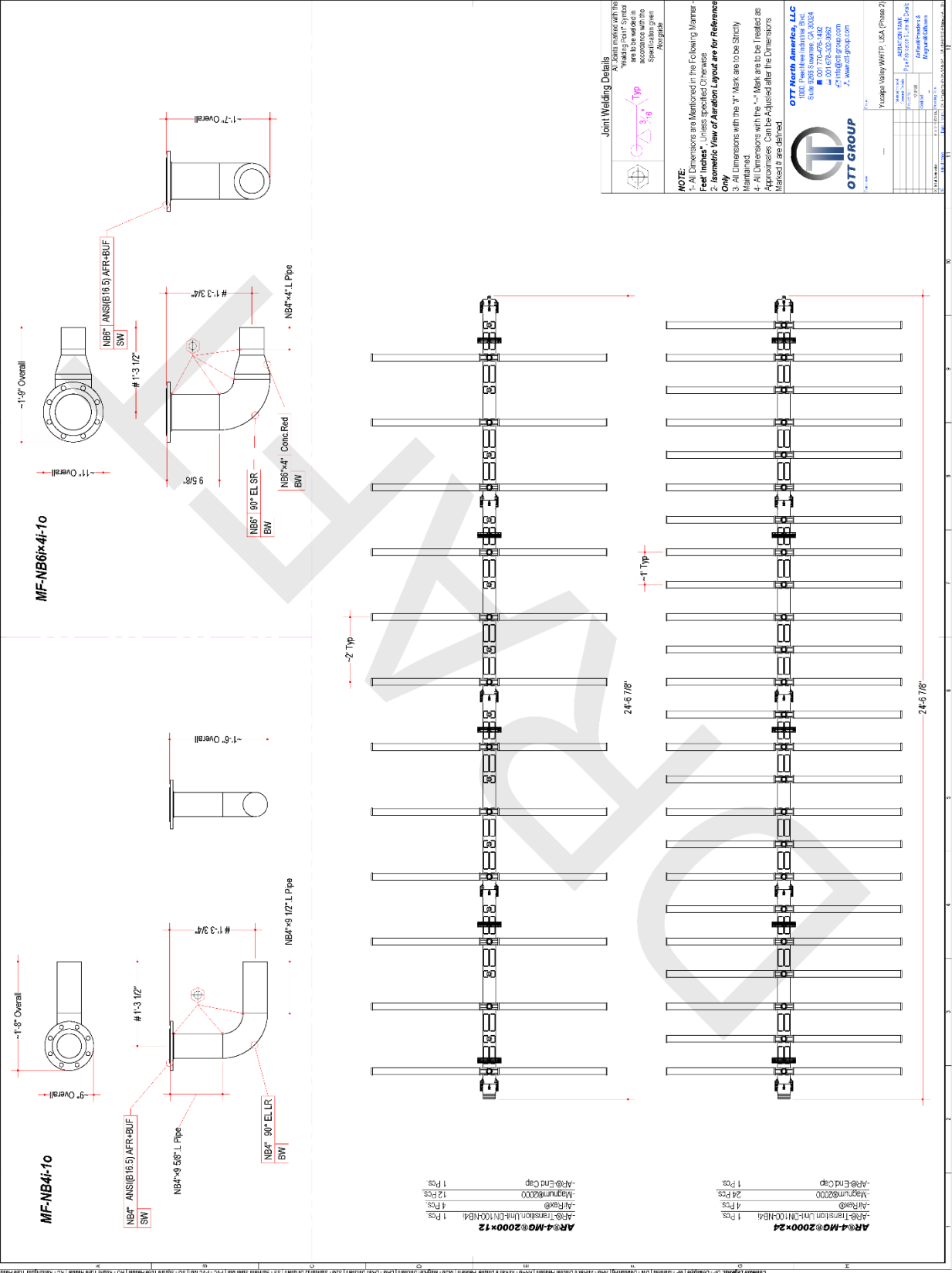
Quantities:

Pcs.	Description	Qty.
3	DP-NS4	3 Pcs.
3	DP-NS4	3 Pcs.
12	MF-NS4-10	12 Pcs.
12	MF-NS4-10	12 Pcs.
24	ARB-Hose-Opq UN100-NH4	24 Pcs.
12	ARB-MS2000D-12	12 Pcs.
12	ARB-MS2000D-24	12 Pcs.
120	ARB-Clamp	120 Pcs.

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 Suite 1000, Hayward, CA 94524
 Tel: (510) 476-3000
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 Email: info@ottgroup.com
 www.ottgroup.com

General Quantities

Description	Specifications	AMT	10K	15K	20K	25K	30K	35K	40K	45K	50K	Totals
Downcomer (Indicate Only)	OMC.1	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	24 Pcs.
Windrod (Indicate Only)	OMC.2	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	3 Pcs.	24 Pcs.
Manhole 2000 Diffusers	As Per OTT Specifications	72 Pcs.	72 Pcs.	72 Pcs.	72 Pcs.	72 Pcs.	72 Pcs.	72 Pcs.	72 Pcs.	72 Pcs.	72 Pcs.	480 Pcs.
Air Sump Clamps	As Per OTT Specifications	15 Pcs.	15 Pcs.	15 Pcs.	15 Pcs.	15 Pcs.	15 Pcs.	15 Pcs.	15 Pcs.	15 Pcs.	15 Pcs.	180 Pcs.



MF-NB6x4i-10

MF-NB4i-10

AR@4-M@2000x24
 1 Pcs
 4 Pcs
 12 Pcs
 1 Pcs
 -AR@ End Cap
 -M@2000

AR@4-M@2000x24
 1 Pcs
 4 Pcs
 24 Pcs
 1 Pcs
 -AR@ Transition Union (DN100) NB4
 -M@2000
 -AR@ End Cap

Joint Welding Details
 All Joints executed with the "Welding Power Symbol" in accordance with the Specification given.
 All welds shall be performed in accordance with the Specification given.
 All welds shall be performed in accordance with the Specification given.

NOTE:
 1. All Dimensions are Mentioned in the Following Manner - Feet-Inches". Unless specified Otherwise
 2. Isometric View of Assembly Layout are for Reference Only
 3. All Dimensions with the "7" Mark are to be Strictly Maintained.
 4. All Dimensions with the "4" Mark are to be Tolerated as per the Specification.
 5. All Dimensions with the "1" Mark are to be Tolerated as per the Specification.
 6. All Dimensions with the "2" Mark are to be Tolerated as per the Specification.
 7. All Dimensions with the "3" Mark are to be Tolerated as per the Specification.

OTT North America, LLC
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 Suite 3000, San Diego, CA 92124
 Phone: 619.441.1100
 Fax: 619.441.1101
 Email: info@ottgroup.com
 Website: www.ottgroup.com

OTT GROUP

Yucaipa Valley Water District, USA (Phase 2)

REV	DESCRIPTION	DATE
1	ISSUE FOR BIDDING	05/11/21
2	REVISION	05/11/21
3	REVISION	05/11/21

APPENDIX B - APG-NEUROS TURBO BLOWERS PROPOSAL

DRAFT



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2- Summary Sheet.....	3
3- Performance Data and Curves.....	4
4- Blower Cut Sheet.....	5
5- General Terms and Conditions.....	6

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1 - Scope of supply



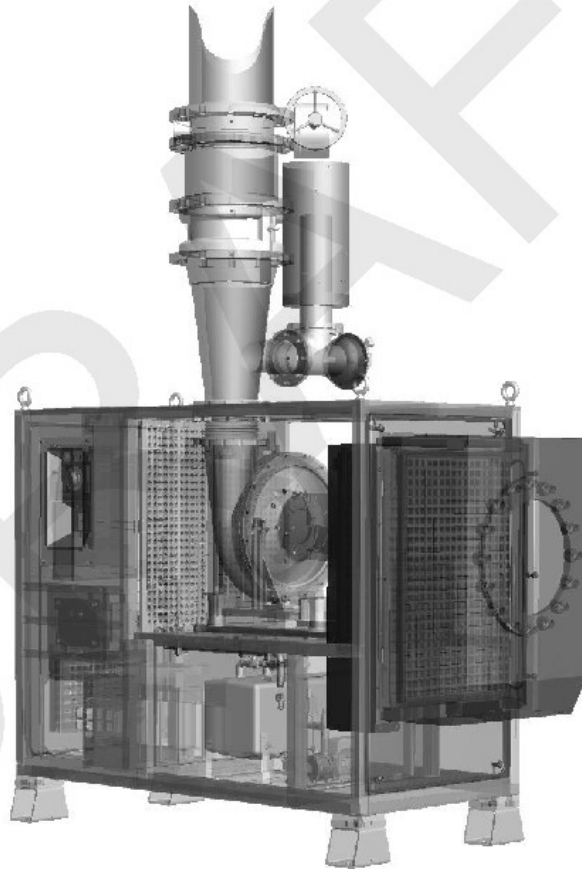
Yucaipa WWTP

High Speed Turbo Blower

Bid Scope of Supply
Proposal # 11277

Submitted by:

APGN Inc. *dba* APG – Neuros



APGN Inc. *dba* APG-Neuros

1270 Michèle-Bohec, Blainville, Québec J7C 5S4, Canada, Tel : (450) 939-0799

www.apg-neuros.com

APGN Publication: APGN-SP-FORM-194.E.05 Bid Scope of Supply

APGN Revision Date: July-11-2019

March 4, 2021

Charlie Cruz
Vice President - SPI engineering

Yucaipa Valley Water District
880 W. County Line Road
Calimesa, CA 92320

Subject: Request for Proposal – Supply of Process Aeration Equipment

Dear Mr. Cruz,

APG-Neuros is pleased to submit the following proposal in response to the above referenced inquiry.

APG-Neuros Turbo Blower Scope of Supply:

A. Three (3) NX150D-C080 APG-Neuros High Speed Turbo Blowers system packages, to be installed *indoors* (by others), rated for conditions as shown on the specification, complete with integrated components as follows:

- Blower Core;
 - High Efficiency Forged Aluminum Impeller
 - Permanent Magnet Synchronous Motor
 - Dual Layer Bump-foil Air Bearings
 - Titanium Shaft
 - Sine-wave filter for cooler running motor
 - Internal vibration and dynamic effect Absorption Mounts
 - Internal Expansion Joint
- Blower Local Control Panel;
 - Allen Bradley Panel View - 10" Touch Screen
 - Allen Bradley CompactLogix L33 PLC
 - Voltage Surge Protection
 - Uninterruptible Power Supply for PLC - Industrial grade – (10 minutes)
 - Provisions for Remote Control capability via Ethernet, LAN or Hard wiring
 - Blower surge indication and protection
 - Blower overload indication and protection
- KEB Variable Frequency Drive and Inverter
 - UL, CE & CSA certified
 - Built in Speed measurement
 - Voltage Surge Protection
 - 3ph/60Hz/480 Volts

APG-Neuros Proprietary Information Provided in Strict Confidence

- Equipment Sensors & Instruments;
 - Temperature sensors for motor, bearing, inlet and discharge air flow
 - Pressure sensors for Ambient pressure, inlet and discharge conditions
 - Pressure sensor and alert for air filter condition
 - Built in Flow calculation and Indication
 - Built in vibration sensors and transmitters
 - Blower surge detection
 - Blower overload detection
- Harmonic Filters
 - Installed inside the blower enclosure
 - Passive type meets IEEE 519 Total Harmonic Distortion
- All above components within a sound attenuating NEMA 3R enclosure with;
 - 16" Flanged Inlet
 - 2 x 6" Discharge Expansion Cone
 - Coarse pre-filter with 89% by weight per ASHRAE 52-97 and Merv 8 rated
 - Pleated inlet air filters with >98% efficiency @ 10 microns

B. Each blower is complete with following ship-loose items to be installed by others

- Two (2) Neuros Blow-off bypass valve to blow off air flow during start/shutdown sequence
- Two (2) Neuros Blow-off silencer to silence air flow during start/shutdown sequence
- Two (2) US Valve (09-2-0SPS) Wafer style discharge Check Valve, 6"
- Two (2) (Pratt/BF2-8687) Lugged type discharge Butterfly valve with manual Operator, 6"
- Two (2) Maxi-Joint EPDM rated for maximum operating temperature flexible connector for discharge (w/retaining rings and control rods), 6"
- One (1) Maxi-Joint EPDM rated for maximum operating temperature flexible connector for the inlet (w/retaining rings and control rods), 16"
- One (1) Endustra Tri-Vent Series P09 Intake Filter/ Silencer, 16"

C. Aeration System:

- Modifications to existing Master Control Panel MCP (installed by APG-Neuros) including
 - Installing new UPS and replacing existing PanelView 1000 with PanelView plus 7 15"
 - Replace the ControlNet Network with a DLR network ring
 - Add APG-Neuros standard network switch for blower communications
 - Panel modifications materials
 - Upgrade current firmware version 16 to version 20.057
 - Replace existing aeration program with APG-Neuros aeration control system for control of three (3) Dual core NX150D blowers and 8 aeration zones
 - Programming, integration and start-up
 - 2-year warranty
- Four (4) 6-inch Pratt (BF2-8687) Ductile Iron Body / 316 SS Disc / 416 SS Stem / VITON Seat / lugged aeration valves with Rotork IQTM250 480/3/60 Modulating Electric Actuator
- Four (4) 5-inch Pratt (BF2-8687) Ductile Iron Body / 316 SS Disc / 416 SS Stem / VITON Seat / lugged aeration valves with Rotork IQTM250 480/3/60 Modulating Electric Actuator

APG-Neuros Proprietary Information Provided in Strict Confidence

D. Submittal Information: Copies as required (Only PDF copy is acceptable)

- Bill of Materials
- Qualifications of APG-Neuros
- Quality of construction
- Power Guarantee
- Product Data
- Detailed Installation, Electrical and Control Drawings
- Quality Control
- Certified Blower test
- Operation and Maintenance Manuals
- Commissioning and Startup Instructions
- Seismic Anchorage calculations by California PE
- Certificate of Proper Installation for equipment provided by APG-Neuros but installed by others.

E. Payment Terms:

- 10% on approval of Shop drawings
- 40% on release for production for material procurement
- 40% on delivery of equipment to site
- 5% on issuance of preliminary O&M Manual
- 5% on completion of start-up and acceptance by owner
- All invoices are to be paid Net 30 days
- APG-Neuros will bill if delivery does not occur within 30 days after completion of production and will store the equipment at no extra charge.
- 1.5% Interest charge per month will be added to past due accounts of 45 days and over
- Payment shall not be dependent on the buyer being paid by any third parties or equipment acceptance by owner.

F. Proposal Validity and Seller Terms and Conditions

- Unless otherwise specified elsewhere in the Sales Agreements, the prices in this proposal are valid for ninety (90) days from the issue date on the cover page.
- This proposal, unless otherwise specified herein this document, is subject to the Seller's General Terms and Conditions of Sales available upon request.
- Final price is subject to change contingent on final conformed specification review, if applicable.

G. Factory Inspection and Tests

- Factory Acceptance Performance Test to ASME PTC-10 'Type 2' standard

H. Warranty

- Blowers and appurtenances (parts and labor) will be warranted for a period of Two (2) years from the date of start- up not to exceed thirty (30) months from delivery, whichever occurs first.

APG-Neuros Proprietary Information Provided in Strict Confidence

I. Technical Support

- APG-Neuros will provide services of a qualified technician on site for installation inspection, start-up, control hardware installation, programming, integration, field testing and operator training for a total of 10 days, performed in 3 trips to site.

J. Spare parts

- One (1) tools box and tools kit
- One (1) Set of inlet air filters
- One (1) set of Endustra intake filter elements

K. Quality Assurance / Certifications

- APG-Neuros Turbo Blower is UL1450/CSA & CE certified
- APG-Neuros production system is certified to ISO 9001

L. Price.....USD 650,343.30 (Please refer to attached summary sheet)

- Price is Net F.O.B. shipping destination and Excludes Taxes.
- Price covers Items A through K above.

Price adders, can be provided when requested or required in specifications at following additional cost (*not included* in the price above):

M. Delivery Lead time

- Submittals shall be issued two (2) weeks from manufacturers acceptance of PO
- Blowers shall be shipped Eight (8) weeks from approval of shop drawings.

N. Exclusions

The following items are not included in this scope of supply and shall be the responsibility of others.

- Blower and loose-shipped item Installation
- Piping for suction, discharge, gauge, vent, seal, etc. and miscellaneous fittings
- Harmonic Mitigation testing on site
- Software licenses

We appreciate the opportunity to quote APG-Neuros Turbo Blowers and look forward to a successful project.

APG-Neuros Proprietary Information Provided in Strict Confidence



For any questions regarding Sales, Procurement, Service and Warranty information, please contact:

APG-Neuros Sales Department
1270 Michèle-Bohec
Blainville, Québec J7C 5S4
Phone 450-939-0799
Fax 450-939-2115
sales@apg-neuros.com

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APG-Neuros Proprietary Information Provided in Strict Confidence

APGN Publication: APGN-SP-FORM-194-E.05 Bid Scope of Supply

APGN Revision Date: July-11-2019

2-Summary Sheet

DRAFT



Yucaipa WWTP - APG - Neuros Turbo Blower - Price & Summary

Budgetary Price (U.S. Dollars, 2021 Economy Year)
February 17, 2021
Proposal Number #11277

Item	Equipment Item (See Section A in the Scope for more information)	QTY	Unit Price (USD)	Total Price (USD)
1	NX150D-C080 High Speed Turbo Blower Package	3		
	Harmonic Filter - Installed inside the blower enclosure (one per core)	6		
	Vibration sensor	6	\$ 146,409.00	\$ 439,227.00
	Warranty One (1) Year on Blower equipment	1		
	FOB Job Site	1		
Additional Equipment Adders (See Section B and C in the Scope for more information)				
2	Blow-off bypass valve	6		
	Blow-off silencer	6		
	6" Discharge Check Valve	6		
	6" Discharge Butterfly Valve (Manual)	6		
	6" EPDM Discharge Duct Expansion Joint	6	\$ 92,868.00	\$ 92,868.00
	16" EPDM Suction Duct Expansion Joint	3		
	6" Aeration Butterfly Valve with Modulating Electric Actuator	4		
	5" Aeration Butterfly Valve with Modulating Electric Actuator	4		
	Modifications to existing Master Control Panel MCP including hardware programming, integration, and start-up and One (1) year warranty	1	\$ 56,471.00	\$ 56,471.00
	Endustra Tri-Vent Series PD9 Intake Filter Silencer, 16"	3	\$ 3,283.00	\$ 9,849.00
Warranty (see Section H in the scope for more information)				
3	Extended Warranty - additional One (1) year (for items in #1 and 2)	1	\$ 29,428.30	\$ 29,428.30
Manufacturer Services (See section D and I in the Scope for more information)				
4	Start-up, programming, integration, field testing and operator training services including travel and expense s (10 days in 3 trips)	10	\$ 2,000.00	\$ 20,000.00
	Seismic Anchorage Calculations by California PE	1	\$ 2,500.00	\$ 2,500.00
Total Price \$				650,343.30

Notes

The total price covers from items A through K in the scope of Supply
Taxes and Duties are Not Included

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Tel: 450-939-0799 Fax: 450 969 2115
www.apg-neuros.com

APGN Inc. proprietary information

APGN-FRM-FORM-193-E 06 February 20, 2019

3-Performance Data and Curves



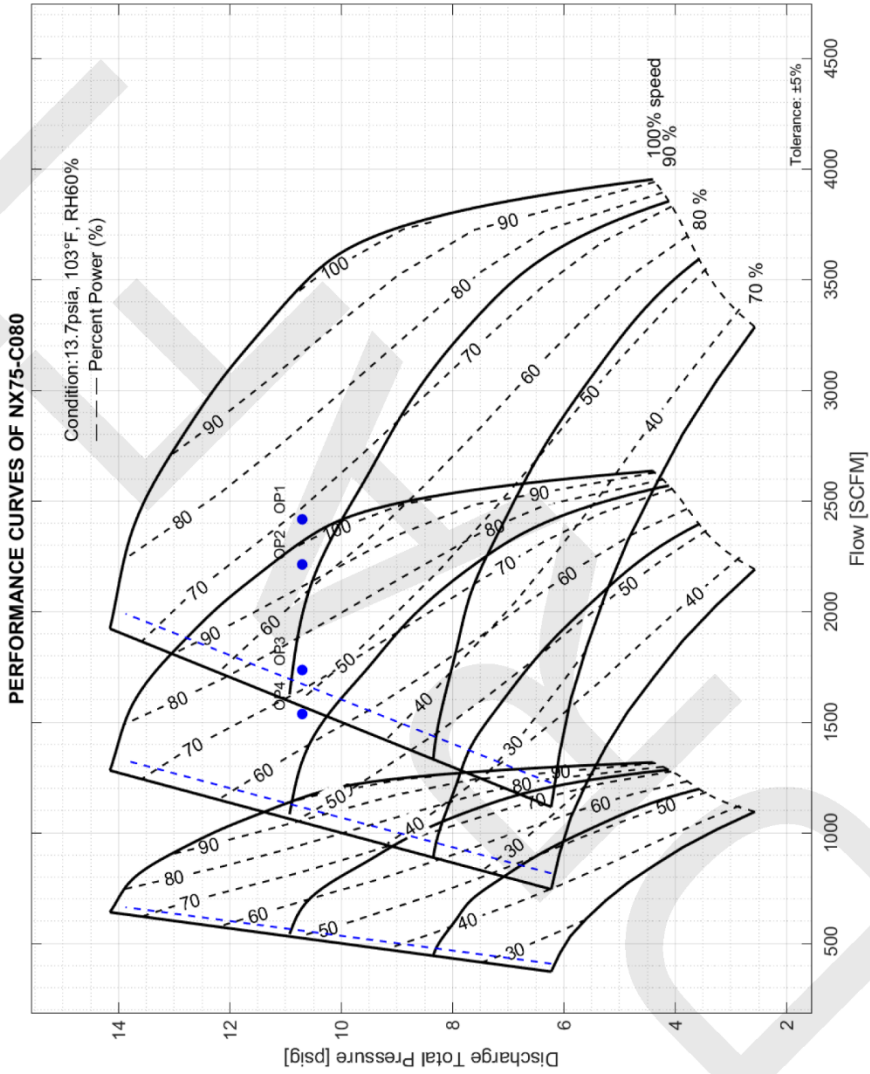
Yucaipa WWTP - APG- Neuros Turbo Blower - Performance Data					
Ambient Conditions	3.85 - 5.5 MGD				
Application	Aeration				
Blower Installation Location	Indoor				
Working Fluid	Air				
Ambient Pressure	13.70				psia
Blower Performance					
	DP1	DP2	DP3	DP4	
Model	NX150D-C080				
Inlet Pressure	13.70	13.70	13.70	13.70	psia
Inlet Temperature	103.0	103.0	103.0	103.0	°F
Relative Humidity	60	60	60	60	%
System Flow Rate	2,417	2,213	1,736	1,537	SCFM
Blower Units on Duty	1.5	1.0	1.0	1.0	Units
Blower Units Stand By	0.5	1.0	1.0	1.0	Units
Core Units on Duty	3	2	2	2	Units
Core Units Stand By	1	2	2	2	Units
Flow Rate per Blower	1,611	2,213	1,736	1,537	SCFM
Duty Discharge Pressure	10.70	10.70	10.70	10.70	psig
Total Power @ Design Condition	145	134	111	106	bhp
Total Wire-to-Air Power @ Design Condition	118	108	90	86	kW
Maximum Air Flow @ Duty Discharge Pressure per Blower	2,293	2,293	2,293	2,293	SCFM
Minimum Air Flow @ Duty Discharge Pressure per Blower	573	573	573	573	SCFM
Turndown from Maximum to Minimum	75.0%	75.0%	75.0%	75.0%	%
Discharge Temperature @ Design Condition	255.8	254.9	257.1	262.0	°F
Maximum Discharge Pressure	13.75	13.75	13.75	13.75	psig
Rise-to-Surge	3.05	3.05	3.05	3.05	psig
Note: SCFM defined at 68 Deg F, 14.696 psia and 36% relative humidity					



Yucaipa WWTP - APG- Neuros Turbo Blower - Performance Data		
Dimensions and Specification		
Blower Length	83	Inches
Blower Width	59	Inches
Blower Height	71	Inches
Weight per Unit	4034	lbs.
Blower Inlet Air Entry type	Flanged	
Inlet Flange Size (Optional, if louvered inlet does not apply)	16	Inches
Discharge Flange Size	2×6	Inches
Maximum Noise Level @ 3 feet	80	dBA
Rate Motor Output Power	75x2	hp
Rated Motor Speed	29563	RPM
Insulation Class	H	
Input Voltage/Phase/Frequency	480/3/60	V/Phase/Hz
Full Load Amperage	81×2	Amps



Yucaipa WWTP - APG - Neuro Turbo Blower - Performance Curves



APGN Inc.
1270 Michelle-Bohes, Blainville, QC J7C 5S4
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APGN-PN-FORM-193-E.06 February 20, 2019



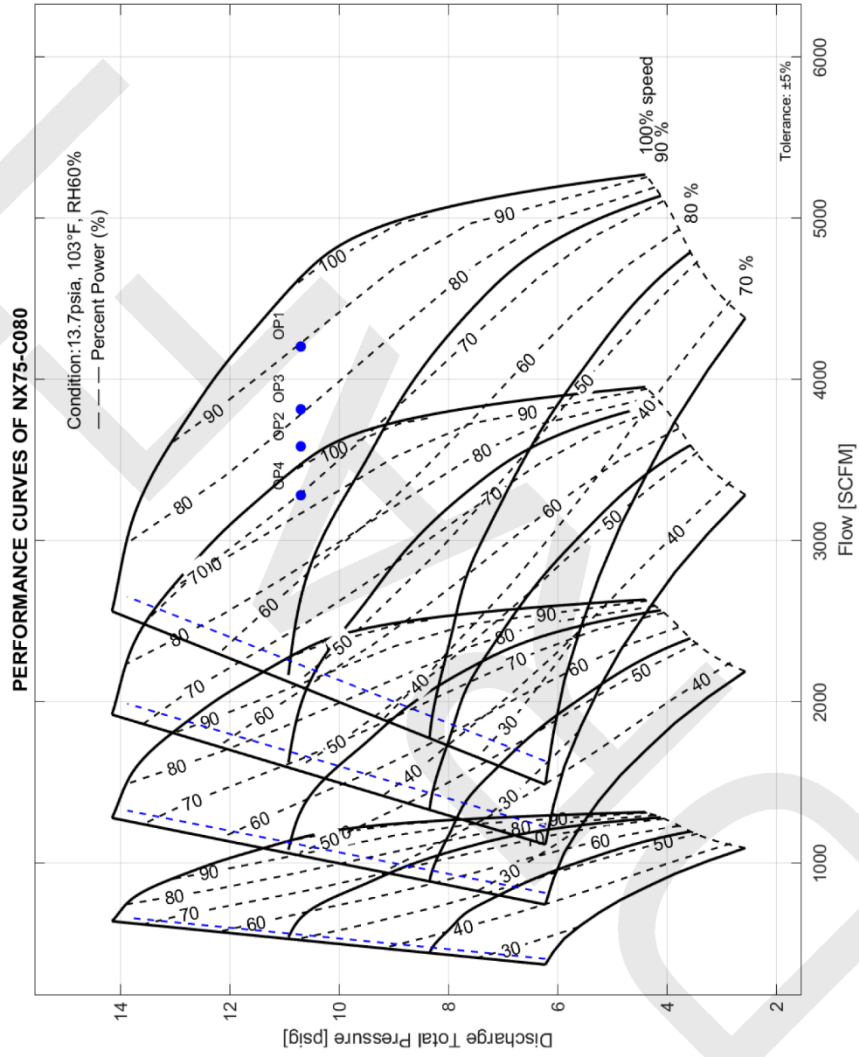
Yucaipa WWTP - APG- Neuros Turbo Blower - Performance Data					
Ambient Conditions	8 - 9.2 MGD				
Application	Aeration				
Blower Installation Location	Indoor				
Working Fluid	Air				
Ambient Pressure	13.70				psia
Blower Performance					
	DP1	DP2	DP3	DP4	
Model	NX150D-C080				
Inlet Pressure	13.70	13.70	13.70	13.70	psia
Inlet Temperature	103.0	103.0	103.0	103.0	°F
Relative Humidity	60	60	60	60	%
System Flow Rate	4,205	3,586	3,816	3,283	SCFM
Blower Units on Duty	2.0	2.0	2.0	1.5	Units
Blower Units Stand By	1.0	1.0	1.0	1.5	Units
Core Units on Duty	4	4	4	3	Units
Core Units Stand By	2	2	2	3	Units
Flow Rate per Blower	2,103	1,793	1,908	2,189	SCFM
Duty Discharge Pressure	10.70	10.70	10.70	10.70	psig
Total Power @ Design Condition	258	214	227	197	bhp
Total Wire-to-Air Power @ Design Condition	208	174	184	160	kW
Maximum Air Flow @ Duty Discharge Pressure per Blower	2,293	2,293	2,293	2,293	SCFM
Minimum Air Flow @ Duty Discharge Pressure per Blower	573	573	573	573	SCFM
Turndown from Maximum to Minimum	75.0%	75.0%	75.0%	75.0%	%
Discharge Temperature @ Design Condition	260.4	257.4	258.5	256.1	°F
Maximum Discharge Pressure	13.75	13.75	13.75	13.75	psig
Rise-to-Surge	3.05	3.05	3.05	3.05	psig
Note: SCFM defined at 68 Deg F, 14.696 psia and 36% relative humidity Noise Level : +/- 2dB					



Yucaipa WWTP - APG- Neuros Turbo Blower - Performance Data		
Dimensions and Specification		
Blower Length	83	Inches
Blower Width	59	Inches
Blower Height	71	Inches
Weight per Unit	4034	lbs.
Blower Inlet Air Entry type	Flanged	
Inlet Flange Size (Optional, if louvered inlet does not apply)	16	Inches
Discharge Flange Size	2x6	Inches
Maximum Noise Level @ 3 feet	80	dBA
Rate Motor Output Power	75x2	hp
Rated Motor Speed	29563	RPM
Insulation Class	H	
Input Voltage/Phase/Frequency	480/3/60	V/Phase/Hz
Full Load Amperage	81x2	Amps



Yucaipa WWTP - APG - Neuros Turbo Blower - Performance Curves



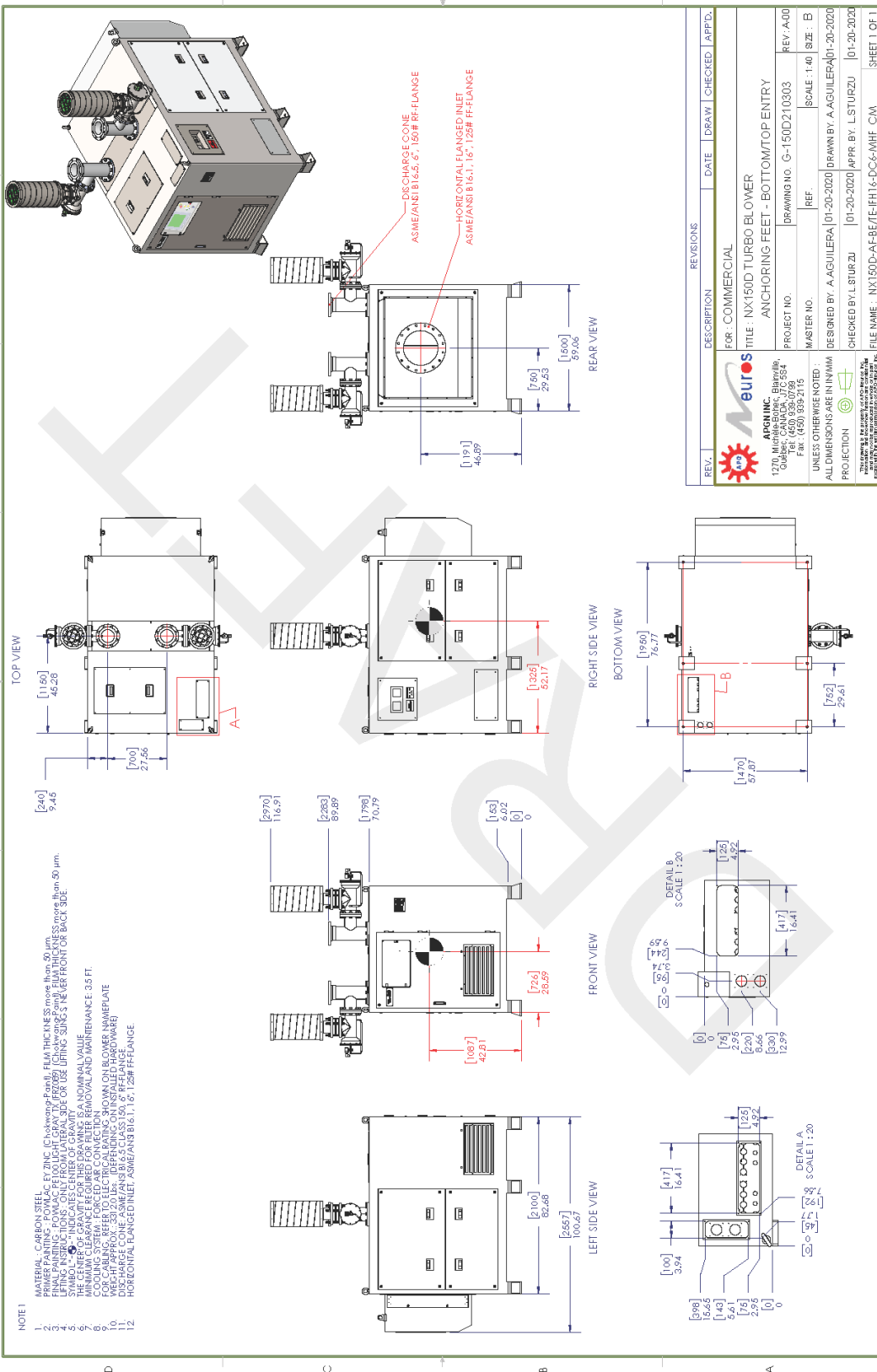
APGN Inc.
1270 Mitchell-Rohrer, Blainville, QC, J7C-5S4
Tel: 450.639.0799 Fax: 450.639.2115
www.apgn-neuros.com

APGN proprietary information

APGN-PM-FORM-193-E.06 February 20, 2019

4-Blower Cut Sheet

DRAFT



5- General Terms and Conditions

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SELLER STANDARD TERMS AND CONDITIONS
Buy-Sell

This quotation is subject to the following APG-Neuros, a division of APGN Inc. "Seller" Standard Terms and Conditions which, unless otherwise pre-agreed to and specified on the Purchase Order, supersedes Buyer's proposed terms and conditions, if any.

1. This quotation contains the entire agreement of the parties and all proposals, negotiations, representations, or agreements made or entered into prior to or contemporaneously with this quotation are excluded whether oral or in writing. Prices set forth in this quotation are based upon the terms and conditions set forth herein. Any modifications must be communicated in writing and accepted by Seller. Modification to Sellers terms and conditions may affect the quoted price.
2. ANY TERMS PROPOSED IN BUYER'S ACCEPTANCE OF THIS AGREEMENT WHICH ADD TO, VARY FROM, OR CONFLICT WITH THE TERMS HEREOF ARE HEREBY OBJECTED TO AND REJECTED AND SHALL NOT CONSTITUTE ANY PART OF ANY CONTRACT RESULTING FROM THIS AGREEMENT. ANY SUCH PROPOSED TERMS SHALL HAVE NO FORCE OR EFFECT AND THE TERMS HEREIN SHALL CONSTITUTE THE COMPLETE AND EXCLUSIVE STATEMENT OF THE TERMS AND CONDITIONS OF ANY CONTRACT RESULTING FROM THIS AGREEMENT AND MAY BE MODIFIED ONLY BY WRITTEN INSTRUMENT EXECUTED BY THE AUTHORIZED REPRESENTATIVES OF BOTH PARTIES.
3. All orders shall be made out to Seller and subject to acceptance by Seller at the address shown herein. This Agreement may be revised and resent to Buyer for review, or it can be revoked at any time prior to written acceptance by Seller.
4. Any preliminary technical documents, schematics and drawings provided by Seller to Buyer as part of the Seller's quotation are for illustration purposes only. Certified technical documentation will be provided as part of the formal submittal package after the receipt of the order. The set of Submittals of technical documents, drawings and supporting engineering data will be provided within the time period indicated upon the Seller's final acceptance of the Purchase Order. Further negotiations of the Terms and Conditions may affect the final date of the availability of the Submittals.
5. Prices unless otherwise specified are FOB factory, are stated in United States Dollars and payment shall be in United States currency. Invoices are payable Net Thirty (30) Days and payment terms unless otherwise specified are Fifteen percent (15%) with Purchase Order issue, Seventy-five percent (75%) on delivery and Ten percent (10%) on commissioning, no later than ninety (90) days after delivery unless other terms are agreed to by Company and Sales Representative. Seller will issue a Letter of Credit in lieu of retention, if required by specification for successful commissioning. Letter of Credit, when issued, will expire upon start-up or ninety (90) days after delivery, whichever occurs first.
6. If an order is cancelled by Buyer without Seller's consent, then any such cancellation shall be affected by delivery to Seller of a notice of termination specifying the extent to which such order is cancelled, and the date upon which such cancellation becomes effective. Such effective date shall not be earlier than the date of delivery of such notice.

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- (a) Upon receipt of any such notice, Seller shall, unless the notice requires otherwise:
 - (i) immediately discontinue work on the date and to the extent specified in the notice;
 - (ii) cancel and place no further orders for materials other than as may be necessarily required for completion of any portion of the work that is not terminated or as may be necessary to comply with the requirements stated in the notice;
 - (iii) promptly make reasonable efforts to either obtain cancellation terms of all orders to sub-suppliers; and
 - (iv) assist the Buyer upon request in the maintenance, protection, and disposition of property acquired by the Buyer in connection with the cancelled order.

 - (b) The Buyer shall pay the Seller as a result of the cancellation of each order without Seller's consent:
 - (i) Seller's actual costs for the portion of the Products completed and delivered in accordance with the order up to the date of termination; and
 - (ii) the cost for any Products then in production; and
 - (iii) the costs of settling and paying claims arising out of the cancelled order.

 - (c) The maximum termination liability shall not be more than 100% of the selling price of the Products that were included in the cancelled order.

 - (d) Seller shall submit an invoice within sixty (60) Days of date of termination by Buyer, setting out details of the work carried out and all necessary documentation to support the requested costs.
7. Seller reserves the right to modify or withdraw credit terms at any time without notice and to require guarantees, security, or different payments in advance in the amount of the credit involved.
8. Prices do not include sales, use, excise or any similar tax. Any tax or other governmental charge upon the production, sales, shipment, or use of the product which Seller is required to pay or collect from Buyer shall be paid by Buyer to Seller unless Buyer furnishes Seller with a tax exemption certificate acceptable to the applicable taxing authority. Buyer shall be responsible for obtaining any necessary governmental clearances, including import and foreign exchange licenses, which may be required by any governments other than the governments of Canada or the United States.
9. Seller shall not be liable for any failure to perform its obligations under any contract resulting from this Agreement when such failure arises directly or indirectly from or is contributed to by any act of God, acts of Buyer, acts of civil or military authority, priorities, fire, strikes or other labor disputes, accidents, floods, epidemics, war, riot, delays in transportation, lack of or inability to obtain raw materials, components, labor, fuel or supplies, or other circumstances beyond Seller's reasonable control whether similar or dissimilar to the foregoing.
10. Bribery, Corruption and malpractice. Seller does not engage in bribery, corruption, fraud, malpractice or any unethical inducement or payment including facilitation payments and 'kickbacks'. Seller and Buyer are required to avoid any activities that might lead to, or suggest, a conflict of interest with the business of the company. Seller and Buyer must declare and keep a record of hospitality or gifts accepted or offered, which will be subject to managerial review.

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Seller and Buyer shall not make direct or indirect contributions to political parties. Seller and Buyer shall communicate this policy and relevant guidance to suppliers and contractors.

While Seller is committed to adhering to a high level of ethics with regards to its business practices, should ever a Buyer become aware of an unethical or illegal business practice, they must immediately bring their concern to the attention of Seller, along with any proof they may have collected. Buyer may also inform Seller anonymously, although the scope of the investigation may be limited if the information provided is insufficient.

11. Shipping dates are given to the best of Seller's knowledge based upon conditions existing at the time any contract resulting from this Agreement and entered into based on specifications contained therein. Seller will, in good faith, endeavor to ship by the estimated shipping date, but shall not be responsible for any delay or any damage arising from failure to ship on the estimated shipping date. If buyer fails to furnish such shipping instructions, Seller will select what is, in its opinion, the most satisfactory routing for the shipment. If Buyer is to pick up products and has not done so within seven (7) days after notification that they are ready for shipment, Seller may ship the products commercial carrier (best way). Any prepayment by Seller for freight charges shall be for the account of Buyer and shall be paid by Buyer with and in addition to the purchase price.
12. Until all amounts owed by Buyer to Seller have been paid in full, Seller shall retain a security in the equipment and have all rights of a secured party under the Uniform Commercial Code, including the right to repossess the equipment without legal process.
13. Title to the products and risk of loss with respect thereto shall pass to Buyer upon delivery thereof by Seller to a common carrier of all shipments destined to the Buyer.
14. If Buyer has not made a claim to Seller within thirty (30) days after receipt of the products, or within ninety (90) days after shipment, whichever shall first occur, the products shall be considered accepted and conforming to contract requirements.
15. Seller, unless otherwise specified, warrants to Buyer for a period of 18 months from the date of shipment or 12 months from placement into service, whichever first occurs, that any product delivered under any contract resulting from this Agreement will at the time of shipment be free from defects in material and workmanship. If, within said warranty period, any such product is found, by Seller following its examination, to be defective in material or workmanship, Seller's sole obligation under this warranty will be to repair or replace such defective product at its option and expense (excluding freight). Seller does not warrant any products, accessories, or components not manufactured by Seller, but to the extent possible agrees to provide Buyer with the benefits of the manufacturer's warranty, if any. Seller shall not be liable for damage to or wear of products caused in whole or in part by abnormal conditions, improper application, and improper lubrication, failure to provide proper inlet conditions or flow, corrosives, abrasives or foreign objects, or other external causes.
16. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED, OR STATUTORY INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

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17. In the event Buyer claims that Seller has breached any of its obligations under any contract resulting from this Agreement, whether in warranty or otherwise, Seller may request and require return of the product and refund the Buyer's purchase price (if product is in same condition as when shipped by Seller) upon Seller's receipt of returned product. If Seller so requests the return of the product, the product shall be redelivered to Seller in accordance with Seller's instructions. Redelivered freight charges will be to Seller's account.
18. In the event Seller elects to require return of the product, Seller shall absolutely have no further obligation to Buyer under any contract resulting from this Agreement except to refund such purchase price upon redelivery of the product.
19. THE REMEDIES PROVIDED FOR IN THIS AND THE PRECEDING PARAGRAPH SHALL CONSTITUTE THE SOLE RECOURSE OF BUYER AGAINST SELLER FOR BREACH OF ANY OF SELLER'S OBLIGATIONS UNDER ANY CONTRACT RESULTING FROM THIS AGREEMENT, WHETHER THE CLAIM IS MADE IN TORT, CONTRACT, OR IN ADMIRALTY, INCLUDING CLAIMS BASED ON WARRANTY, NEGLIGENCE, OR OTHERWISE. NOTWITHSTANDING ANY OTHER PROVISION OF THIS AGREEMENT, IN NO EVENT SHALL SELLER BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, NOR SHALL SELLER'S LIABILITY FOR ANY CLAIMS OR DAMAGE ARISING OUT OF OR CONNECTED WITH ANY CONTRACT RESULTING FROM THIS AGREEMENT, OR THE MANUFACTURE, SALE, DELIVERY OR USE OF THE PRODUCT, EXCEED THE PURCHASE PRICE OF THE PRODUCT.
20. In the event (1) Buyer modifies any product sold pursuant to any contract resulting from this Agreement without the express written consent of Seller or (2) Buyer fails to implement any changes in the product directed by Seller or (3) any product to be furnished under any contract resulting from this Agreement is made in accordance with drawings, samples, or manufacturing specifications provided or designated by Buyer, Buyer agrees to indemnify and hold harmless Seller from any and all claims, demands, actions, or causes of action or costs or expenses incurred thereby whether in contract, tort, or admiralty.
21. In the event any product to be furnished under any contract resulting from this Agreement is to be made in accordance with drawings, samples or manufacturing specifications provided or designated by Buyer, Buyer agrees to indemnify and hold Seller harmless from any and all damages, costs and expenses arising from a claim that such product furnished to Buyer by Seller or the use thereof, infringes any Letters Patent, foreign or domestic, and Buyer agrees at its own expense to undertake the defense of any suit against Seller brought upon such claim or claims. In the event any product to be furnished under any contract resulting from this Agreement is not for a government application and is not to be made in accordance with drawings, samples or manufacturing specifications provided or designated by Buyer, but rather is the design of Seller, Seller agrees to hold Buyer and its customers harmless against any damages awarded by a court of final jurisdiction in any suit for infringement of any Letters Patent by reason of the sale or use of such product as furnished by Seller under any contract resulting from this Agreement. In the event any claim is asserted or threatened, as to which Buyer may seek indemnification hereunder, Seller shall have the sole right to contest, compromise, litigate, or otherwise dispose of said claim, including the right to substitute non-infringing products, and Buyer agrees to cooperate fully with Seller with respect thereto. The foregoing undertaking of Seller shall not apply unless Seller shall have been informed in writing immediately by Buyer of any charge or suit alleging such infringement and shall have been given the opportunity to assume the defense thereof, and further, such undertaking shall not apply if (1) the

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claimed infringement is settled without the consent of Seller, or (ii) the infringement results from the use of a product delivered hereunder which is (a) modified by Buyer or others without authorization by Seller or (b) used in combination with a product not delivered by Seller where such infringement would not have occurred from the lone use of the product delivered under any contract resulting from this Agreement.

22. Any contract resulting from this Agreement shall be governed by the laws of the Province of Quebec, Canada, as effective and in force on the date hereof. No action for breach of sale, any contract resulting from this Agreement or any covenant or warranty arising therefrom shall be brought more than one year after the cause of action has accrued.
23. Any controversy or claim relating to any aspect of the sale, or to its breach or to the contract resulting from this Agreement shall be settled by arbitration under the rules of the Chamber of Commerce, Montreal, Quebec. The laws of the Province of Quebec shall be deemed controlling as to all matters arising under this contract or relationship. The parties agree to abide by the arbitrator's award and also agree that a judgment may be entered upon the award as a final judgment of a court record. The arbitrators shall have the power to grant injunctions and mandatory injunctions as well as other types of award. Notwithstanding any rule to the contrary, the prevailing party shall be entitled to recover attorney's fees and cost of Arbitration. The award of Arbitrators shall be binding and may not be appealed.
24. Any contract resulting from this Agreement may not be modified or rescinded except in writing signed by Seller and Buyer. If all or part of any contract resulting from this Agreement is terminated by such modification or rescission, Buyer, in the absence of a contrary written agreement between Seller and Buyer, shall pay termination charges based upon costs determined by generally accepted accounting principles plus a reasonable profit, except that any products scheduled for completion within thirty (30) days of Buyer's request for termination or rescheduling will be accepted and paid for in full by Buyer. Buyer shall reimburse Seller for all costs incurred by Seller in the settling and payment of claims and administrative expenses incurred by Seller pursuant to any such termination.

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APPENDIX C – OPINION OF PROBABLE COST

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Yucaipa Valley Water District
Henry N. Wochholz Regional Water Reclamation Facility
Secondary Treatment Improvements
Construction Cost Estimate
April 14, 2021 Rev. 4

District Equipment Pre-Purchase	Qty	Unit	Each	Line Items	Total
Fine Bubble Diffusers (District Pre-Purchase)	1	lot	\$ 56,100	\$ 56,100	
APG-Neuros Dual Core Turbo Blower Package - 3 blowers, appurtenances, Master Control Panel modifications, oxic zone valves/actuators (District Pre-Purchase)	1	lot	\$ 650,343	\$ 650,343	
Subtotal				\$ 706,443	
Taxes	7.75	%		\$ 54,749	
Equipment Pre-Purchase Subtotal				\$ 761,193	\$ 762,000
Contractor Installation	Qty	Unit	Each	Line Items	Total
Aeration Tanks					
Removal of Existing IFAS Media	1	lot	\$ 8,000	\$ 8,000	
Demolition of Existing Coarse Bubble Diffusers	1	lot	\$ 16,000	\$ 16,000	
Demolition of Existing Media Retention Screens and Supports	1	lot	\$ 16,000	\$ 16,000	
Demolition of Existing Aeration Air Control Valves and Actuators	1	lot	\$ 12,000	\$ 12,000	
Mechanical Equipment Installation	1	lot	\$ 32,000	\$ 32,000	
Subtotal				\$ 84,000	\$ 84,000
Aeration Blowers					
Demolition of Existing Aeration Blowers, Piping, and Electrical	1	lot	\$ 20,000	\$ 20,000	
Piping, % of Major Equipment	7.5	%		\$ 48,776	
Mechanical Equipment Installation, % of Major Equipment	15	%		\$ 104,868	
Electrical/I&C, % of Major Equipment	16.6	%		\$ 107,957	
Temporary Blower Rental (2 months, includes accessories and shipping)	1	lot	\$ 69,800	\$ 69,800	
Subtotal				\$ 351,401	\$ 352,000
Contractor Major Project Elements Subtotal					\$ 436,000
Contractor Overhead and Profit	20	%			\$ 88,000
Bonds and Insurance	3	%			\$ 16,000
Contractor Installation Subtotal					\$ 540,000
Project Summary	Qty	Unit	Each	Line Items	Total
Pre-Purchase Equipment Subtotal					\$ 762,000
Contractor Subtotal					\$ 540,000
Project Subtotal					\$ 1,302,000
Contingencies	25	%			\$ 326,000
Engineering	15	%			\$ 196,000
Projected Construction Price					\$ 1,824,000



Date: May 11, 2021 **Task:** N/A
Prepared By: Allison M. Edmisten, Chief Financial Officer
Subject: Renewal for the Environmental Liability Insurance Policy

Recommendation: That the Board authorize the General Manager to execute the necessary documents for the renewal for environmental liability insurance policy coverage from Alliant for a sum not to exceed \$44,945.65.

This item is to renew the current environmental liability insurance policy coverage from Alliant for May 21, 2021 through May 21, 2022. This will specifically provide coverage for 232 miles of sewer pipelines, 6 lift stations, and 19 miles of brineline.

The proposed environmental liability insurance would include coverage for:

- Clean up of Affected Sites;
- Emergency Response;
- Environmental Crisis;
- Insured Location;
- Non-Owned Site;
- Transportation;
- Covered Operation;
- Defense, Supplementary Payments and Settlement, and
- Terrorism - Optional

This renewal is an increase of \$2,140.26 or 5% more than the 2020-21 premium. The District recommends keeping the coverage in place for \$3,000,000 per incident with terrorism coverage for a total premium in the amount of \$44,945.65.

Financial Consideration: This expense is included in the annual budget and will be paid from the Sewer Fund, Insurance [GL Account #03-506-56001].



Yucaipa Valley Water District



Environmental Legal Liability Insurance Proposal 2021 – 2022

Presented on April 15, 2021 by:

Seth Cole, ARM
Senior Vice President

Alliant Insurance Services, Inc.
100 Pine Street, 11th Floor
San Francisco, CA 94111
O 415 403 1400
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CA License No. 0C36861
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Company Profile

With a history dating back to 1925, Alliant Insurance Services is one of the nation's leading distributors of diversified insurance products and services. Operating through a national network of offices, Alliant offers a comprehensive portfolio of services to clients, including:

- Risk Solutions
 - Employee Benefits
 - Strategy
 - Employee Engagement
 - Procurement
 - Analytics
 - Wellness
 - Compliance
 - Benefits Administration
 - Global Workforce
 - Industry Solutions
 - Construction
 - Energy and Marine
 - Healthcare
 - Law Firms
 - Public Entity
 - Real Estate
 - Tribal Nations
 - And many other industries
 - Co-Brokered Solutions
 - Automotive Specialty
 - Energy Alliance Program
 - Hospital All Risk Property Program
 - Law Firms
 - Parking/Valet
 - Public Entity Property Insurance Program
 - Restaurants/Lodging
 - Tribal Nations
 - Waste Haulers/Recycling
 - Business Services
 - Risk Control Consulting
 - Human Resources Consulting
 - Property Valuation
- The knowledge that Alliant has gained in its more than eight decades of working with many of the top insurance companies in the world allows us to provide our clients with the guidance and high-quality performance they deserve. Our solution-focused commitment to meeting the unique needs of our clients assures the delivery of the most innovative insurance products, services, and thinking in the industry.
- Alliant ranks among the 15 largest insurance brokerage firms in the United States



Alliant Advantage

	Alliant	Competition
1. Satisfying the insurance needs of business for nearly 90 years.	✓	
2. Privately owned and operated.	✓	
3. A full-service insurance agency for all your business, life and health, and personal insurance.	✓	
4. Representing over 40 insurance companies to provide the best and most affordable coverage.	✓	
5. State-licensed support staff.	✓	
6. Dedicated Certificate of Insurance personnel.	✓	
7. Risk management services to help identify hazards and present options.	✓	
8. Workers' compensation insurance claims management at no additional charge.	✓	



Your Service Team

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Thary Ou, CLIC
Assistant Account Manager
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Named Insured / Additional Named Insureds

Named Insured(s)

Yucaipa Valley Water District

Additional Named Insured(s)

None

NAMED INSURED DISCLOSURE

- The first named insured is granted certain rights and responsibilities that do not apply to other policy named insureds and is designated to act on behalf of all insureds for making policy changes, receiving correspondence, distributing claim proceeds, and making premium payments.
- **Are ALL entities listed as named insureds?** Coverage is **not** automatically afforded to all entities unless specifically named. Confirm with your producer and service team that all entities to be protected are on the correct policy. Not all entities may be listed on all policies based on coverage line.
- Additional named insured is (1) A person or organization, other than the first named insured, identified as an insured in the policy declarations or an addendum to the policy declarations. (2) A person or organization added to a policy after the policy is written with the status of named insured. This entity would have the same rights and responsibilities as an entity named as an insured in the policy declarations (other than those rights and responsibilities reserved to the first named insured).
- Applies to Professional Liability, Pollution Liability, Directors & Officers Liability, Employment Practices Liability, Fiduciary Liability policies (this list not all inclusive). Check your Policy language for applicability. These policies provide protection to the Named Insured for claims made against it alleging a covered wrongful act. Coverage is not afforded to any other entities (unless specifically added by endorsement or if qualified as a "Subsidiary" pursuant to the policy wording) affiliated by common individual insured ownership or to which indemnification is otherwise contractually owed. If coverage is desired for affiliated entities or for contractual indemnities owed, please contact your Alliant Service Team with a full list of entities for which coverage is requested. With each request, include complete financials and ownership information for submission to the carrier. It should be noted, that the underwriter's acceptance of any proposed amendments to the policy, including expansion of the scope of "insureds" under the policy could result in a potential diminution of the applicable limits of liability and/or an additional premium charge.

Schedule of Locations

Loc #	Address	City	State	Zip
1	Brineline 19-miles of brineline pipeline transporting brine from YVWD water recycling facility in Yucaipa via Live Oak Canyon San Timoteo Canyon, Loma Linda and San Bernardino	Loma Linda and San Bernardino	CA	92399
2	Sewerline force mains 230 miles of gravity mains - sewer			
3	Sewerline gravity mains 2.2 miles of force mains – sewer			
4	Lift Station 32280 Live Oak Canyon Road Yucaipa, CA 92399	Yucaipa	CA	92399
5	Lift Station 10053 Calimesa Blvd. Calimesa, CA 92320	Calimesa	CA	92320
6	Lift Station 746W Avenue L Calimesa, CA 92320	Calimesa	CA	92320
7	Lift Station 9096 Calimesa Blvd. Calimesa, CA 92320	Calimesa	CA	92320
8	Lift Station 34163.5 Yucaipa Blvd Yucaipa, CA 92399	Yucaipa	CA	92399
9	Lift Station 10410 Roberts Rd. Calimesa, CA 92320	Calimesa	CA	92320



Line of Coverage

Environmental Legal Liability Coverage

INSURANCE COMPANY:
A.M. BEST RATING:
STANDARD & POOR'S RATING:
CALIFORNIA STATUS:
POLICY/COVERAGE TERM:

Coverage Form:

Retro Active Date:

Limits:

Self-Insured Retention:

Present Coverage	Proposed Coverage
Aspen Specialty Insurance Company A (Excellent), Financial Size Category: XV (\$2 Billion or greater) as of April 1, 2020 Not Rated Non-Admitted May 21, 2020 to May 21, 2021 Environmental Legal Liability Policy - ASPENV110 0617 – Claims Made and Reported May 21, 2018 \$ 3,000,000 Policy Aggregate Limit \$ 3,000,000 Insuring Agreement A – Per Incident Limit (Exclude Business Interruption) \$ 3,000,000 Insuring Agreement B – Defense, Supplementary Payments and Settlement – Per Incident Limit \$ 250,000 Environmental Crisis - Per Incident Limit - shall not erode the aggregate limit of liability \$ 25,000 Per Incident/All Loss, except \$ 50,000 Loss (230 miles of gravity mains – sewer, 2.2 miles of force mains – sewer)	Aspen Specialty Insurance Company A (Excellent), Financial Size Category: XV (\$2 Billion or greater) as of April 1, 2020 Not Rated Non-Admitted May 21, 2021 to May 21, 2022 Environmental Legal Liability Policy - ASPENV110 0617 – Claims Made and Reported May 21, 2018 \$ 3,000,000 Policy Aggregate Limit \$ 3,000,000 Insuring Agreement A – Per Incident Limit (Exclude Business Interruption) \$ 3,000,000 Insuring Agreement B – Defense, Supplementary Payments and Settlement – Per Incident Limit \$ 250,000 Environmental Crisis - Per Incident Limit - shall not erode the aggregate limit of liability \$ 25,000 Per Incident/All Loss, except \$ 50,000 Loss (230 miles of gravity mains – sewer, 2.2 miles of force mains – sewer)



Environmental Legal Liability Coverage - Continued

	Present Coverage	Proposed Coverage
Defense Inside/Outside the Limit:	Inside the Limit	Inside the Limit
Who has the Duty to Defend:	Insurer	Insurer
Policy Form Exclusions: (including but not limited to)	<ul style="list-style-type: none"> Contractual Liability Criminal Fines, Penalties and Assessments Damage to Insured's Work Divested Properties Employment Liability Identified Underground Storage Tanks Installed Asbestos and Lead- Based Paint Insured's Products Insured Versus Insured Intentional Non-Compliance Internal Expenses Prior Knowledge/ Non-Disclosure War Workers' Compensation and Similar Laws 	<ul style="list-style-type: none"> Contractual Liability Criminal Fines, Penalties and Assessments Damage to Insured's Work Divested Properties Employment Liability Identified Underground Storage Tanks Installed Asbestos and Lead- Based Paint Insured's Products Insured Versus Insured Intentional Non-Compliance Internal Expenses Prior Knowledge/ Non-Disclosure War Workers' Compensation and Similar Laws
Endorsements: (including but not limited to)	<ul style="list-style-type: none"> California Notice (D-2) Cap On Losses From Certified Acts Of Terrorism Insured Location (s) Schedule Endorsement Microbial Matter and Legionella Pneumophila Exclusion Endorsement Minimum Earned Premium Endorsement 100% At Inception 	<ul style="list-style-type: none"> California Notice (D-2) Cap On Losses From Certified Acts Of Terrorism (If Elected) Insured Location (s) Schedule Endorsement Microbial Matter and Legionella Pneumophila Exclusion Endorsement Minimum Earned Premium Endorsement 100% At Inception



Environmental Legal Liability Coverage - Continued

	Present Coverage	Proposed Coverage
Endorsements - Continued: (including but not limited to)	<ul style="list-style-type: none"> Nuclear, Biological, Chemical, or Radiological Terrorism Exclusion Retroactive Date / Specific Coverage Endorsement Schedule of Crisis Management Firms Endorsement Self-Insured Retention Endorsement (Operation Specific) Aspen Environmental Emergency Response Hotline 	<ul style="list-style-type: none"> Nuclear, Biological, Chemical, or Radiological Terrorism Exclusion Retroactive Date / Specific Coverage Endorsement Schedule of Crisis Management Firms Endorsement Self-Insured Retention Endorsement (Operation Specific) Aspen Environmental Emergency Response Hotline Disclosure Of Premium Pursuant To Terrorism Risk Insurance Act Exclusion of Certified Acts of Terrorism (If Rejected) Total Terrorism Exclusion (If Rejected)
Total Cost Excluding TRIA:	Not Applicable	\$ 42,263.00 Policy Premium \$ 1,267.89 CA Surplus Line Tax (3%) \$ 105.66 CA Stamping Fee (0.25%) \$ 43,636.55 Total Cost
Total Cost Including TRIA:	\$ 40,250.00 Policy Premium \$ 1,208.00 Terrorism Premium \$ 1,243.74 CA Surplus Line Tax (3%) \$ 103.65 CA Stamping Fee (0.25%) \$ 42,805.39 Total Cost	\$ 42,263.00 Policy Premium \$ 1,267.89 Terrorism Premium \$ 1,305.93 CA Surplus Line Tax (3%) \$ 108.83 CA Stamping Fee (0.25%) \$ 44,945.65 Total Cost



Environmental Legal Liability Coverage - Continued

	Present Coverage	Proposed Coverage
Minimum Earned Premium:	100% at Inception	100% at Inception
Policy Auditable:	Not Auditable	Not Auditable
Quote Valid Until:	No Longer Applicable	May 21, 2021
Binding Conditions:	No Longer Applicable	<ul style="list-style-type: none"> • A written request to bind coverage • All Surplus Lines Taxes/Fees are Fully Earned • Signed Terrorism selection/rejection form.

CLAIMS REPORTING NOTICE
PLEASE NOTE THAT POLLUTION LIABILITY POLICIES CONTAIN EXTREMELY STRICT CLAIM REPORTING PROCEDURES.

Attached please find your policy specific claim reporting requirements - Please make sure you understand these obligations. Contact your Alliant Service Team with any questions.

See Disclaimer Page for Important Notices and Acknowledgment



Disclosures

This proposal of insurance is provided as a matter of convenience and information only. All information included in this proposal, including but not limited to personal and real property values, locations, operations, products, data, automobile schedules, financial data and loss experience, is based on facts and representations supplied to Alliant Insurance Services, Inc. by you. This proposal does not reflect any independent study or investigation by Alliant Insurance Services, Inc. or its agents and employees.

Please be advised that this proposal is also expressly conditioned on there being no material change in the risk between the date of this proposal and the inception date of the proposed policy (including the occurrence of any claim or notice of circumstances that may give rise to a claim under any policy which the policy being proposed is a renewal or replacement). In the event of such change of risk, the insurer may, at its sole discretion, modify, or withdraw this proposal, whether or not this offer has already been accepted.

This proposal is not confirmation of insurance and does not add to, extend, amend, change, or alter any coverage in any actual policy of insurance you may have. All existing policy terms, conditions, exclusions, and limitations apply. For specific information regarding your insurance coverage, please refer to the policy itself. Alliant Insurance Services, Inc. will not be liable for any claims arising from or related to information included in or omitted from this proposal of insurance.

Alliant embraces a policy of transparency with respect to its compensation from insurance transactions. Details on our compensation policy, including the types of income that Alliant may earn on a placement, are available on our website at www.alliant.com. For a copy of our policy or for any inquiries regarding compensation issues pertaining to your account you may also contact us at: Alliant Insurance Services, Inc., Attention: General Counsel, 701 B Street, 6th Floor, San Diego, CA 92101.

Analyzing insurers' over-all performance and financial strength is a task that requires specialized skills and in-depth technical understanding of all aspects of insurance company finances and operations. Insurance brokerages such as Alliant Insurance typically rely upon rating agencies for this type of market analysis. Both A.M. Best and Standard and Poor's have been industry leaders in this area for many decades, utilizing a combination of quantitative and qualitative analysis of the information available in formulating their ratings.

A.M. Best has an extensive database of nearly 6,000 Life/Health, Property Casualty and International companies. You can visit them at www.ambest.com. For additional information regarding insurer financial strength ratings visit Standard and Poor's website at www.standardandpoors.com.

Our goal is to procure insurance for you with underwriters possessing the financial strength to perform. Alliant does not, however, guarantee the solvency of any underwriters with which insurance or reinsurance is placed and maintains no responsibility for any loss or damage arising from the financial failure or insolvency of any insurer. We encourage you to review the publicly available information collected to enable you to make an informed decision to accept or reject a particular underwriter. To learn more about companies doing business in your state, visit the Department of Insurance website for that state.



NY Regulation 194

Alliant Insurance Services, Inc. is an insurance producer licensed by the State of New York. Insurance producers are authorized by their license to confer with insurance purchasers about the benefits, terms and conditions of insurance contracts; to offer advice concerning the substantive benefits of particular insurance contracts; to sell insurance; and to obtain insurance for purchasers. The role of the producer in any particular transaction typically involves one or more of these activities.

Compensation will be paid to the producer, based on the insurance contract the producer sells. Depending on the insurer(s) and insurance contract(s) the purchaser selects, compensation will be paid by the insurer(s) selling the insurance contract or by another third party. Such compensation may vary depending on a number of factors, including the insurance contract(s) and the insurer(s) the purchaser selects. In some cases, other factors such as the volume of business a producer provides to an insurer or the profitability of insurance contracts a producer provides to an insurer also may affect compensation.

The insurance purchaser may obtain information about compensation expected to be received by the producer based in whole or in part on the sale of insurance to the purchaser, and (if applicable) compensation expected to be received based in whole or in part on any alternative quotes presented to the purchaser by the producer, by requesting such information from the producer.

Other Disclosures / Disclaimers

FATCA:

The Foreign Account Tax Compliance Act (FATCA) requires the notification of certain financial accounts to the United States Internal Revenue Service. Alliant does not provide tax advice so please contact your tax consultant for your obligation regarding FATCA.

Claims Reporting:

Your policy will come with specific claim reporting requirements. Please make sure you understand these obligations. Contact your Alliant Service Team with any questions.

Claims Made Policy:

This claims-made policy contains a requirement stating that this policy applies only to any claim first made against the insured and reported to the insurer during the policy period or applicable extended reporting period. Claims must be submitted to the insurer during the policy period, or applicable extended reporting period, as required pursuant to the Claims/Loss Notification Clause within the policy in order for coverage to apply. Late reporting or failure to report pursuant to the policy's requirements could result in a disclaimer of coverage by the insurer.



Other Disclosures / Disclaimers - Continued

NRRA:

The Non-Admitted and Reinsurance Reform Act (NRRA) went into effect on July 21, 2011. Accordingly, surplus lines tax rates and regulations are subject to change which could result in an increase or decrease of the total surplus lines taxes and/or fees owed on this placement. If a change is required, we will promptly notify you. Any additional taxes and/or fees must be promptly remitted to Alliant Insurance Services, Inc.

Changes and Developments

It is important that we be advised of any changes in your operations, which may have a bearing on the validity and/or adequacy of your insurance. The types of changes that concern us include, but are not limited to, those listed below:

- Changes in any operations such as expansion to another states, new products, or new applications of existing products.
- Travel to any state not previously disclosed.
- Mergers and/or acquisition of new companies and any change in business ownership, including percentages.
- Any newly assumed contractual liability, granting of indemnities or hold harmless agreements.
- Any changes in existing premises including vacancy, whether temporary or permanent, alterations, demolition, etc. Also, any new premises either purchased, constructed or occupied
- Circumstances which may require an increased liability insurance limit.
- Any changes in fire or theft protection such as the installation of or disconnection of sprinkler systems, burglar alarms, etc. This includes any alterations to the system.
- Immediate notification of any changes to a scheduled of equipment, property, vehicles, electronic data processing, etc.
- Property of yours that is in transit, unless previously discussed and/or currently insured.



Other Disclosures / Disclaimers - Continued

Certificates / Evidence of Insurance

A certificate is issued as a matter of information only and confers no rights upon the certificate holder. The certificate does not affirmatively or negatively amend, extend or alter the coverage afforded by a policy. Nor does it constitute a contract between the issuing insurer(s), authorized representative, producer or certificate holder.

You may have signed contracts, leases or other agreements requiring you to provide this evidence. In those agreements, you may assume obligations and/or liability for others (Indemnification, Hold Harmless) and some of the obligations that are not covered by insurance. We recommend that you and your legal counsel review these documents.

In addition to providing a certificate of insurance, you may be required to name your client or customer on your policy as an additional insured. This is only possible with permission of the insurance company, added by endorsement and, in some cases, an additional premium.

By naming the certificate holder as additional insured, there are consequences to your risks and insurance policy including:

- Your policy limits are now shared with other entities; their claims involvement may reduce or exhaust your aggregate limit.
- Your policy may provide higher limits than required by contract; your full limits can be exposed to the additional insured.
- There may be conflicts in defense when your insurer has to defend both you and the additional insured.

See Request to Bind Coverage page for acknowledgement of all disclaimers and disclosures.



Flood Offering

Flooding is a serious threat to both personal and commercial clients. Flooding can happen anywhere, not just zone referred to as high-risk areas (Special Flood Hazard Area). Your Alliant team is ready to explain how it works and the associated costs.

Basic Facts

Congress created the NFIP in 1968 in response to the rising cost of taxpayer-funded disaster relief for flood victims and the increasing amount of damage caused by floods. The NFIP makes federally backed flood insurance available in communities that agree to adopt and enforce floodplain management ordinances to reduce future flood damage. The NFIP is self-supporting for the average historical loss year. This means that unless there is a widespread disaster, operating expenses and flood insurance claims are financed through premiums collected.

Commercial buildings or residential dwellings owned by commercial entities are considered commercial property. All others are residential dwellings

The [FEMA Summary for Commercial Property](#) and [FEMA Standard Summary of Coverage](#) provides information on the following:

- Types of Flood Insurance Coverage
- What is a Flood- "a General and temporary condition of partial or complete inundation of two or more acres of normally dry land area" ...
- Deductibles – various options to meet your financial needs
- What is Covered and What is Not
- The valuation of the Property – Actual Cash Value or Replacement Cost

Additional Information

- Flood Zones
 - <https://www.fema.gov/flood-zones>
 - Excess Flood Insurance (contact your Producer for additional information)
 - Increased limits over the maximum flood limit provided by NFIP

FEMA Glossary of Flood Terms

<https://www.fema.gov/national-flood-insurance-program/definitions>

If you do NOT wish to purchase flood insurance your signature is required below:

Signature: _____ Date: _____

Name Printed / Typed: _____

Company Name: _____

Date issued: 4/15/21 Alliant Insurance Services, Inc. | www.alliant.com | CA License No. 0C36861



Optional Coverages

The following represents a list of insurance coverages that are not included in this proposal, but are optional and may be available with further underwriting information.

Note some of these coverages may be included with limitations or insured elsewhere. This is a partial listing as you may have additional risks not contemplated here or are unique to your organization.

- Crime / Fidelity Insurance
- Directors & Officers Liability
- Earthquake Insurance
- Employed Lawyers
- Employment Practices Liability
- Event Cancellation
- Fiduciary Liability
- Fireworks Liability
- Flood Insurance
- Foreign Insurance
- Garage Keepers Liability
- Kidnap & Ransom
- Law Enforcement Liability
- Media and Publishers Liability
- Medical Malpractice Liability
- Network Security / Privacy Liability and Internet Media Liability
- Owned/Non-Owned Aircraft
- Owned Watercraft
- Special Events Liability
- Student Accident
- Volunteer Accidental Death & Dismemberment (AD&D)
- Workers' Compensation
- Workplace Violence

Glossary of Insurance Terms

Below are a couple of links to assist you in understanding the insurance terms you may find within your insurance coverages:

- <http://insurancecommunityuniversity.com/UniversityResources/InsuranceGlossaryFREE.aspx>
- <http://www.ambest.com/resource/glossary.html>
- <http://www.irmi.com/online/insurance-glossary/default.aspx>



Request to Bind Coverage

Yucaipa Valley Water District

We have reviewed the proposal and agree to the terms and conditions of the coverages presented. We are requesting coverage to be bound as outlined by coverage line below:

Coverage Line	Bind Coverage for:
Environmental Legal Liability	<input type="checkbox"/>

Did you know that Alliant works with premium financing companies? Are you interested in financing your annual premium?

Yes, please provide us with a financing quote. No, we do not wish to finance our premium.

This Authorization to Bind Coverage also acknowledges receipt and review of all disclaimers and disclosures, including exposures used to develop insurance terms, contained within this proposal.

Signature of Authorized Insured Representative Date

Title

Printed / Typed Name

This proposal does not constitute a binder of insurance. Binding is subject to the final carrier approval. The actual terms and conditions of the policy will prevail.



Date: May 11, 2021

Task: N/A

Prepared By: Joseph B. Zoba, General Manager

Subject: Authorization to Execute Quitclaim Deeds for Assessor's Parcel Numbers 0318-213-03 and 0318-213-08

Recommendation: That the Board authorize the General Manager to execute the attached quitclaim deed for expired construction easements.

During the construction of the wastewater treatment plant, the District secured easements across various properties for access to the future treatment plant site. The construction related easements on Assessor's Parcel Numbers 0318-213-03 and 0318-213-08 have expired, but still encumber the two parcels. The District staff received a request to relinquish our prior interests in the properties to facilitate the sale of the land.





ORDER NO.
00147983-994
03/29/2021
APN

0318-213-08 & 03-0-000

Legend

- PAR 1
- PAR 2
- Ease for Pipe Lines & Ditches recorded
07/14/1910 Bk463 Pg381 Deeds - Item 2
(Unlocatable)
- Ease for Slope recorded
10/16/1961 Bk560 Pg430 OR - Item 6
- Ease for Construction Road recorded
08/17/1978 Bk9498 Pg1476 OR - Item 8
- Ease for Construction Road recorded
04/07/1982 # 82-087587 OR - Item 10
- Ease for Sewer Pipelines & Appurtenances
recorded 1/10/21/963 # 63-266053 OR - Item 11

This map/plat is being furnished as an aid in locating the herein described land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.



**RECORDING REQUESTED BY
AND WHEN RECORDED MAIL TO:**

MAIL TAX STATEMENTS TO:

Robert R. Chagolla
35575 Balsa Street
Yucaipa, California 92399

ASSESSOR’S PARCEL NO.: 0318-213-03 & 0318-213-08

QUITCLAIM DEED

Yucaipa Valley Water District, a County Water District formerly known as Yucaipa County Water District hereby releases and quitclaims to Zelia Chagolla, as Trustee of the Robert E. Chagolla and Zelia Chagolla Revocable Trust, as to an undivided 50% interest and Robert R. Chagolla and Anita Chagolla, as Trustees of the Robert R. Chagolla and Anita Chagolla Revocable Trust, as to an undivided 50% interest, all tenants in common, the following interests in the property in the County of San Bernardino, State of California, described in Exhibit “A” attached hereto and incorporated herein:

Interest 1. Any interests, rights, or claims created by, arising out of, and/or in connection with that certain Lis Pendens recorded on August 17, 1978 in Book 9498, Page 1476, of the Official Records of the County of San Bernardino.

Interest 2. Any interests, rights, or claims created by, arising out of, and/or in connection with that certain Grant of Easement recorded on April 7, 1982 as Document No. 82-067587 of the Official Records of the County of San Bernardino.

Interest 3. Any interests, rights, or claims created by, arising out of, and/or in connection with that certain Grant of Easement recorded on November 2, 1983 as Document No. 83-258055 of the Official Records of the County of San Bernardino.

DATED: _____

YUCAIPA VALLEY WATER DISTRICT

By: _____

Joseph B. Zoba,
General Manager

MAIL TAX STATEMENTS AS DIRECTED ABOVE

ACKNOWLEDGEMENT BY NOTARY PUBLIC

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which the certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
 : ss.
COUNTY OF SAN BERNARDINO)

On _____, before me, _____,
notary public, personally appeared Joseph B. Zoba who proved to me on the basis
of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies) and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted,
executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public for San Bernardino County
State of California
Commission # _____
Commission Expires: _____

EXHIBIT "A"

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF YUCAIPA, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL NO. 1:

THAT PORTION OF BLOCK 154, RESURVEY OF A PART OF SUBDIVISION NO. 8 OF A PART OF YUCAIPA VALLEY, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN [BOOK 20 OF MAPS, PAGE 72](#), RECORDS OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWESTERLY CORNER OF SAID BLOCK 154; THENCE ALONG THE WEST LINE OF SAID BLOCK, NORTH 0° 12' WEST 403.9 FEET TO THE NORTHEAST CORNER THEREOF; THENCE ALONG THE NORTHERLY LINE OF SAID BLOCK, SOUTH 81° 50' EAST 624.3 FEET TO AN ANGLE POINT THEREIN; AND THENCE NORTH 61° 24' EAST 67.3 FEET TO THE INTERSECTION OF SAID NORTHERLY LINE OF SAID BLOCK 154 WITH THE SOUTHWESTERLY LINE OF THE STATE HIGHWAY AS DESCRIBED IN A DEED FROM THOMAS H. SINGLETON TO THE STATE OF CALIFORNIA, RECORDED JUNE 3, 1949 IN [BOOK 2412 PAGE 152](#) OFFICIAL RECORDS OF SAID COUNTY; THENCE ALONG SAID HIGHWAY LINE SOUTH 24° 25' EAST 260.56 FEET; THENCE NORTH 65° 35' EAST 50 FEET; AND THENCE SOUTH 24° 25' EAST 398.1 FEET TO A POINT ON THE EASTERLY LINE OF SAID BLOCK 154, IN THE CENTER LINE OF 60 FEET WIDE AVENUE "C" (NOW 7TH PLACE) WHICH IS NORTH 7° 43' 47" EAST (RECORDED NORTH 7° 48' EAST) 32.88 FEET FROM THE SOUTHEAST CORNER OF SAID BLOCK 154; THENCE SOUTH 7° 43' 47" WEST 32.88 FEET TO SAID SOUTHEAST CORNER OF BLOCK 154; THENCE ALONG THE SOUTHERLY LINE OF SAID BLOCK, NORTH 74° 56 1/2' WEST 1023.5 FEET TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION THEREOF CONVEYED TO THE STATE OF CALIFORNIA BY DEED RECORDED OCTOBER 16, 1961 AS INSTRUMENT NO. 52 IN [BOOK 5560 PAGE 428](#) OF OFFICIAL RECORDS.

PARCEL NO. 2:

BLOCK 155-1/2 OF RESURVEY OF A PART OF A SUBDIVISION NO. 8 OF A PART OF YUCAIPA VALLEY IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER MAP RECORDED IN [BOOK 20 OF MAPS, PAGE 72](#) RECORDS OF SAID COUNTY.

EXCEPT THEREFROM THAT PORTION DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID BLOCK 155-1/2; THENCE NORTH ALONG THE EAST LINE OF SAID BLOCK, 181.8 FEET; THENCE SOUTH 87° 01' WEST 490.5 FEET, MORE OR LESS, TO A POINT ON THE WEST LINE OF SAID BLOCK 155-1/2 WHICH IS 164.3 FEET NORTHERLY FROM THE SOUTHWESTERLY CORNER THEREOF; THENCE SOUTH 4° 30" EAST 164.3 FEET TO SAID SOUTHWEST CORNER; THENCE NORTH 89° 07' 30" EAST ALONG THE SOUTH LINE OF SAID BLOCK 477.5 FEET TO THE POINT OF BEGINNING.

Board Reports and Comments



Yucaipa Valley Water District

FACTS ABOUT THE YUCAIPA VALLEY WATER DISTRICT

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

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

Number of Employees: 5 elected board members
72 full time employees

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

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

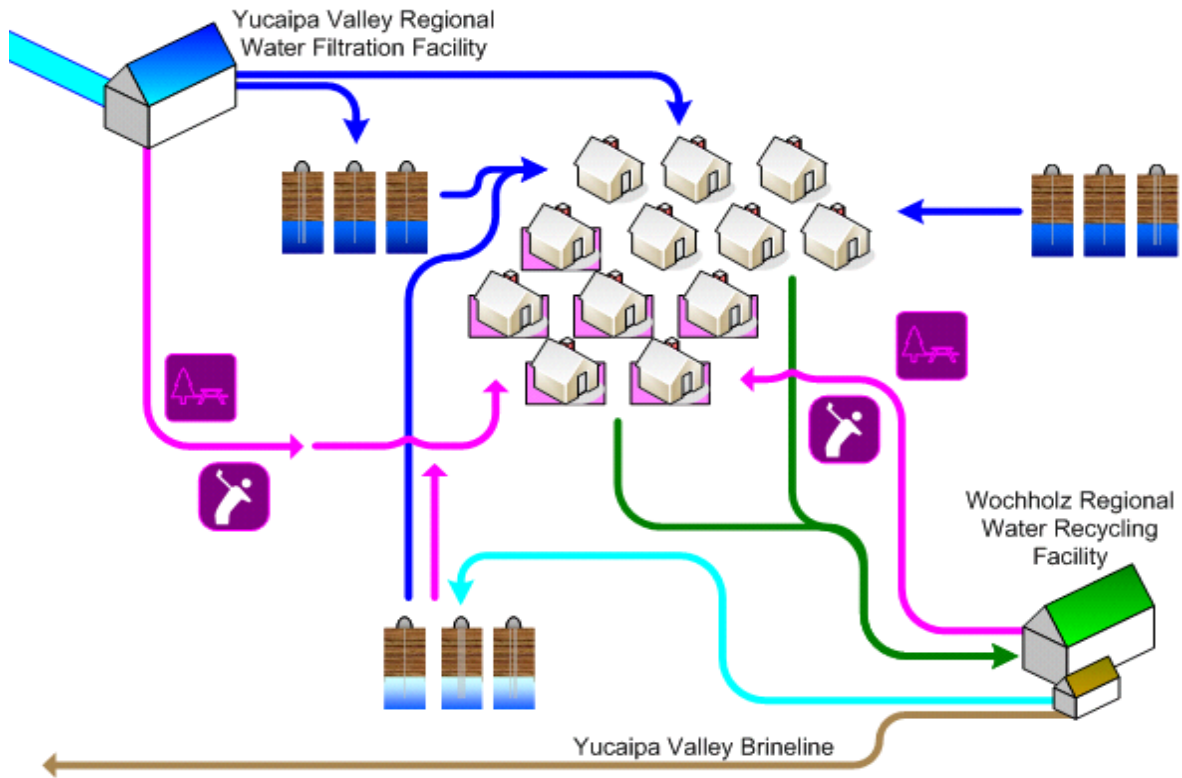
Water System: 234 miles of drinking water pipelines
2,103 fire hydrants
27 reservoirs - 34 million gallons of storage capacity
18 pressure zones
3.376 billion gallon annual drinking water demand
Two water filtration facilities:
- 1 mgd at Oak Glen Surface Water Filtration Facility
- 12 mgd at Yucaipa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

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

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

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

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



Typical Rates, Fees and Charges:

- Drinking Water Commodity Charge:

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

- Recycled Water Commodity Charge:

1,000 gallons or more	\$1.760 per each 1,000 gallons
-----------------------	--------------------------------

- Water Meter Service Charge (Drinking Water or Recycled Water):

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

- Sewer Collection and Treatment Charge:

Typical Residential Charge	\$44.21 per month
----------------------------	-------------------

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



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

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

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





GLOSSARY OF COMMONLY USED TERMS

Every profession has specialized terms which generally evolve to facilitate communication between individuals. The routine use of these terms tends to exclude those who are unfamiliar with the particular specialized language of the group. Sometimes jargon can create communication cause difficulties where professionals in related fields use different terms for the same phenomena.

Below are commonly used water terms and abbreviations with commonly used definitions. If there is any discrepancy in definitions, the District's Regulations Governing Water Service is the final and binding definition.

Acre Foot of Water - The volume of water (325,850 gallons, or 43,560 cubic feet) that would cover an area of one acre to a depth of 1 foot.

Activated-Sludge Process - A secondary biological wastewater treatment process where bacteria reproduce at a high rate with the introduction of excess air or oxygen and consume dissolved nutrients in the wastewater.

Annual Water Quality Report - The document is prepared annually and provides information on water quality, constituents in the water, compliance with drinking water standards and educational material on tap water. It is also referred to as a Consumer Confidence Report (CCR).

Aquifer - The natural underground area with layers of porous, water-bearing materials (sand, gravel) capable of yielding a supply of water; see Groundwater basin.

Backflow - The reversal of water's normal direction of flow. When water passes through a water meter into a home or business it should not reverse flow back into the water mainline.

Best Management Practices (BMPs) - Methods or techniques found to be the most effective and practical means in achieving an objective. Often used in the context of water conservation.

Biochemical Oxygen Demand (BOD) - The amount of oxygen used when organic matter undergoes decomposition by microorganisms. Testing for BOD is done to assess the amount of organic matter in water.

Biosolids - Biosolids are nutrient rich organic and highly treated solid materials produced by the wastewater treatment process. This high-quality product can be recycled as a soil amendment on farmland or further processed as an earth-like product for commercial and home gardens to improve and maintain fertile soil and stimulate plant growth.

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

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

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

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

Conjunctive Use - The coordinated management of surface water and groundwater supplies to maximize the yield of the overall water resource. Active conjunctive use uses artificial recharge, where surface water is intentionally percolated or injected into aquifers for later use. Passive conjunctive use is to simply rely on surface water in wet years and use groundwater in dry years.

Consumer Confidence Report (CCR) - see Annual Water Quality Report.

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

Cross-Connection - The actual or potential connection between a potable water supply and a non-potable source, where it is possible for a contaminant to enter the drinking water supply.

Disinfection by-Products (DBPs) - The category of compounds formed when disinfectants in water systems react with natural organic matter present in the source water supplies. Different disinfectants produce different types or amounts of disinfection byproducts. Disinfection byproducts for which regulations have been established have been identified in drinking water, including trihalomethanes, haloacetic acids, bromate, and chlorite

Drought - a period of below average rainfall causing water supply shortages.

Fire Flow - The ability to have a sufficient quantity of water available to the distribution system to be delivered through fire hydrants or private fire sprinkler systems.

Gallons per Capita per Day (GPCD) - A measurement of the average number of gallons of water use by the number of people served each day in a water system. The calculation is made by dividing the total gallons of water used each day by the total number of people using the water system.

Groundwater Basin - An underground body of water or aquifer defined by physical boundaries.

Groundwater Recharge - The process of placing water in an aquifer. Can be a naturally occurring process or artificially enhanced.

Hard Water - Water having a high concentration of minerals, typically calcium and magnesium ions.

Hydrologic Cycle - The process of evaporation of water into the air and its return to earth in the form of precipitation (rain or snow). This process also includes transpiration from plants, percolation into the ground, groundwater movement, and runoff into rivers, streams, and the ocean; see Water cycle.

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

Mains, Distribution - A network of pipelines that delivers water (drinking water or recycled water) from transmission mains to residential and commercial properties, usually pipe diameters of 4" to 16".

Mains, Transmission - A system of pipelines that deliver water (drinking water or recycled water) from a source of supply the distribution mains, usually pipe diameters of greater than 16".

Meter - A device capable of measuring, in either gallons or cubic feet, a quantity of water delivered by the District to a service connection.

Overdraft - The pumping of water from a groundwater basin or aquifer in excess of the supply flowing into the basin. This pumping results in a depletion of the groundwater in the basin which has a net effect of lowering the levels of water in the aquifer.

Pipeline - Connected piping that carries water, oil, or other liquids. See Mains, Distribution and Mains, Transmission.

Point of Responsibility, Metered Service - The connection point at the outlet side of a water meter where a landowner's responsibility for all conditions, maintenance, repairs, use and replacement of water service facilities begins, and the District's responsibility ends.

Potable Water - Water that is used for human consumption and regulated by the California Department of Public Health.

Pressure Reducing Valve - A device used to reduce the pressure in a domestic water system when the water pressure exceeds desirable levels.

Pump Station - A drinking water or recycled water facility where pumps are used to push water up to a higher elevation or different location.

Reservoir - A water storage facility where water is stored to be used at a later time for peak demands or emergencies such as fire suppression. Drinking water and recycled water systems will typically use concrete or

steel reservoirs. The State Water Project system considers lakes, such as Shasta Lake and Folsom Lake to be water storage reservoirs.

Runoff - Water that travels downward over the earth's surface due to the force of gravity. It includes water running in streams as well as over land.

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

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

Service Connection - The water piping system connecting a customer's system with a District water main beginning at the outlet side of the point of responsibility, including all plumbing and equipment located on a parcel required for the District's provision of water service to that parcel.

Sludge - Untreated solid material created by the treatment of wastewater.

Smart Irrigation Controller - A device that automatically adjusts the time and frequency which water is applied to landscaping based on real-time weather such as rainfall, wind, temperature, and humidity.

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

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

Supervisory Control and Data Acquisition (SCADA) - A computerized system which provides the ability to remotely monitor and control water system facilities such as reservoirs, pumps, and other elements of water delivery.

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

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

Transpiration - The process by which water vapor is released into the atmosphere by living plants.

Trickling filter - A biological secondary treatment process in which bacteria and other microorganisms, growing as slime on the surface of rocks or plastic media, consume nutrients in wastewater as it trickles over them.

Underground Service Alert (USA) - A free service (<https://www.digalert.org>) that notifies utilities such as water, telephone, cable and sewer companies of pending excavations within the area (dial 8-1-1 at least 2 working days before you dig).

Urban runoff - Water from city streets and domestic properties that carry pollutants into the storm drains, rivers, lakes, and oceans.

Valve - A device that regulates, directs, or controls the flow of water by opening, closing, or partially obstructing various passageways.

Wastewater - Any water that enters the sanitary sewer.

Water Banking - The practice of actively storing or exchanging in-lieu surface water supplies in available groundwater basin storage space for later extraction and use by the storing party or for sale or exchange to a third party. Water may be banked as an independent operation or as part of a conjunctive use program.

Water Cycle - The continuous movement water from the earth's surface to the atmosphere and back again.

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

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

Water table - the upper surface of the zone of saturation of groundwater in an unconfined aquifer.

Water transfer - a transaction, in which a holder of a water right or entitlement voluntarily sells/exchanges to a willing buyer the right to use all or a portion of the water under that water right or entitlement.

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

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

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

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





COMMONLY USED ABBREVIATIONS

AQMD	Air Quality Management District
BOD	Biochemical Oxygen Demand
CARB	California Air Resources Board
CCTV	Closed Circuit Television
CWA	Clean Water Act
EIR	Environmental Impact Report
EPA	U.S. Environmental Protection Agency
FOG	Fats, Oils, and Grease
GPD	Gallons per day
MGD	Million gallons per day
O & M	Operations and Maintenance
OSHA	Occupational Safety and Health Administration
POTW	Publicly Owned Treatment Works
PPM	Parts per million
RWQCB	Regional Water Quality Control Board
SARI	Santa Ana River Inceptor
SAWPA	Santa Ana Watershed Project Authority
SBVMWD	San Bernardino Valley Municipal Water District
SCADA	Supervisory Control and Data Acquisition system
SGMA	Sustainable Groundwater Management Act
SSMP	Sanitary Sewer Management Plan
SSO	Sanitary Sewer Overflow
SWRCB	State Water Resources Control Board
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
WDR	Waste Discharge Requirements
YVWD	Yucaipa Valley Water District