



Yucaipa Valley Water District

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

Notice and Agenda of a Special Meeting of the Board of Directors

Tuesday, March 31, 2020 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 using passcode 623-317-242#** NEW

**View live presentation material at
<https://zoom.us/j/623317242> ([Click here](#))** NEW

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.

Any person who requires accommodation to participate in this meeting should contact the District office at (909) 797-5117, at least 48 hours prior to the meeting to request a disability-related modification or accommodation.

Materials that are provided to the Board of Directors after the meeting packet is compiled and distributed will be made available for public review during normal business hours at the District office located at 12770 Second Street, Yucaipa. Meeting materials are also available on the District's website at www.yvwd.dst.ca.us

IV. CONSENT CALENDAR - All consent calendar matters are routine and will be acted upon in one motion. There will be no discussion of these items unless board members, administrative staff, or members of the public request specific items to be discussed and/or removed prior to the vote for approval.

- A. Minutes of Meetings
 - 1. Special Board Meeting - March 23, 2020
 - 2. Special Board Meeting - March 24, 2020

V. STAFF REPORT

VI. DISCUSSION ITEMS

- A. Status Report Regarding the Proclamation of a Local Emergency Related to the Coronavirus and COVID-19 in the Yucaipa Valley Water District Service Area within the Counties of Riverside and San Bernardino [[Director Memorandum No. 20-035 - Page 20 of 109](#)]

RECOMMENDED ACTION: Pending

- B. Presentation of the Unaudited Financial Report for the Period Ending on February 29, 2020 [[Director Memorandum No. 20-036 - Page 33 of 109](#)]

RECOMMENDED ACTION: That the Board receive and file the unaudited financial report.

- C. Overview of the Proposed 2020 Habitat Monitoring Program [[Director Memorandum No. 20-037 - Page 58 of 109](#)]

RECOMMENDED ACTION: That the Board authorize the General Manager to execute a contract with Dudek for the 2020 Habitat Monitoring Program for a sum not to exceed \$52,660.

- D. Overview of the 2020 Groundwater and Surface Water Monitoring for the Yucaipa Valley Water District's Maximum Benefit Monitoring Program [[Director Memorandum No. 20-038 - Page 65 of 109](#)]

RECOMMENDED ACTION: That the Board authorize the General Manager to execute a contract with Dudek for the 2020 Groundwater and Surface Water Monitoring for a sum not to exceed \$52,338.

- E. Consideration of Amendment No. 1 to the Geoscience Contract for the Preliminary Design of Groundwater Monitoring Wells in the San Timoteo Management Zone [[Director Memorandum No. 20-039 - Page 76 of 109](#)]

RECOMMENDED ACTION: That the Board ratify the additional preliminary design costs for the San Timoteo Management Zone monitoring wells for a sum not to exceed \$7,500.

- F. Status Report of the Replacement of Microfiltration Modules at the Yucaipa Valley Regional Water Filtration Facility [[Director Memorandum No. 20-040 - Page 80 of 109](#)]

RECOMMENDED ACTION: Staff Presentation - No Action Required.

- G. Consideration of Change Order Nos. 3 and 4 for the Forsta Filter Strainer Upgrades and Drain Modifications at the Yucaipa Valley Regional Water Filtration Facility [[Director Memorandum No. 20-041 - Page 81 of 109](#)]

RECOMMENDED ACTION: That the Board approve Change Order Nos. 3 and 4 for a sum not to exceed \$5,139.

- H. Ratification of the Replacement Dissolved Air Flootation (DAF) Recirculation Pumps and Motors at the Yucaipa Valley Regional Water Filtration Facility [[Director Memorandum No. 20-042 - Page 86 of 109](#)]

RECOMMENDED ACTION: That the Board ratify Change Order No. 1 for the DAF motors and pumps for a sum not to exceed \$3,735.08.

- I. Consideration of a Development Agreement for a Sewer Service at 31479 Avenue E, Yucaipa (Assessor Parcel Number 300-192-08) [[Director Memorandum No. 20-043 - Page 94 of 109](#)]

RECOMMENDED ACTION: That the Board authorize the General Manager to execute Development Agreement No. 2020-02.

VII. BOARD REPORTS & DIRECTOR COMMENTS

VIII. ANNOUNCEMENTS

- A. April 7, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- B. April 14, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- C. April 21, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- D. April 28, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- E. May 5, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- F. May 12, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- G. May 19, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- H. May 26, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- I. June 2, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- J. June 9, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- K. June 16, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- L. June 23, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**
- M. June 30, 2020 at 4:00 p.m. - Board Meeting - **Teleconference Only**

IX. ADJOURNMENT

**EXECUTIVE DEPARTMENT
STATE OF CALIFORNIA**

EXECUTIVE ORDER N-29-20

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

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

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

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

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

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

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

IT IS HEREBY ORDERED THAT:

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

otherwise-applicable Medicaid time limits in emergency situations.

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

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

In particular, any otherwise-applicable requirements that

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

are hereby suspended.

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

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

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

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

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

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


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

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

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

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

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



GAVIN NEWSOM
Governor of California

Consent Calendar



Yucaipa Valley Water District

MINUTES OF A SPECIAL BOARD MEETING - TELECONFERENCE

March 23, 2020 at 4:00 P.M.

Directors Present:

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

Staff Present:

Jennifer Ares, Water Resource Manager
Madeline Blua, Water Resource Specialist
Allison Edmisten, Chief Financial Officer
Kathryn Hallberg, Implementation Manager
Mike Kostelecky, Operations Manager
Matthew Porras, Implementation 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:

Gil Navarro, San Bernardino Valley Municipal Water District

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 by calling (888) 475-4499 using passcode 269-868-0464 # and live presentation material was available at <https://zoom.us/j/2698680464>

CALL TO ORDER

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

ROLL CALL

The roll was called and Director Jay Bogh, Director Bruce Granlund, Director Lonni Granlund, Director Chris Mann, and Director Joyce McIntire were present.

PUBLIC COMMENTS

Director Gil Navarro from the San Bernardino Valley Municipal Water District provided comments about the reliability and safety of imported water resources available to the Yucaipa Valley Water District during the current state and federal emergency declarations.

STAFF REPORT

A staff report was not provided at this meeting.

BOARD REPORTS AND
DIRECTOR COMMENTS

Director Joyce McIntire reported on the regular board meeting of the San Geronio Pass Water Agency held on March 16, 2020. Director Bruce Granlund and Director Joyce McIntire reported on the regular meeting of the San Bernardino Valley Municipal Water District held on March 17, 2020.

ANNOUNCEMENTS

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

CLOSED SESSION

Director Jay Bogh, Director Bruce Granlund, Director Lonni Granlund, Director Chris Mann, and Director Joyce McIntire were present in closed session with Legal Counsel David Wysocki, Chief Financial Officer Allison Edmisten, and General Manager Joseph Zoba to discuss the following items.

- B. Conference with Real Property Negotiator(s) - Government Code 54956.8
Property: Assessor's Parcel Number: 0319-121-63
Agency Negotiator: Joseph Zoba, General Manager
Negotiating Parties: Emmet Conlon
Under Negotiation: Terms of Payment and Price

After reconvening out of closed session, Legal Counsel David Wysocki reported that direction was provided to the General Manager and that there were no other reportable actions taken.

ADJOURNMENT

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

Respectfully submitted,

Joseph B. Zoba, Secretary

(Seal)

MINUTES OF A SPECIAL BOARD MEETING - TELECONFERENCE

March 24, 2020 at 4:00 P.M.

Directors Present:

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

Staff Present:

Jennifer Ares, Water Resource Manager
Madeline Blua, Water Resource Specialist
Allison Edmisten, Chief Financial Officer
Chelsie Fogus, Administrative Assistant I
Ashley Gibson, Regulatory Compliance Manager
Kathryn Hallberg, Implementation Manager
Mike Kostelecky, Operations Manager
Tim Mackamul, Operations Manager
Matthew Porras, Implementation 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:

Gil Navarro, San Bernardino Valley Municipal Water District
T. Milford Harrison, San Bernardino Valley Municipal Water District
Ron Duncan, San Gorgonio Pass Water Agency
Erica Gonzales, Beaumont Cherry Valley Water District
Logan Largent, Ortega Strategies Group

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

The meeting was available to the public by calling (888) 475-4499 using passcode 269-868-0464 and live presentation material was available at <https://zoom.us/j/2698680464>

CALL TO ORDER

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

ROLL CALL

The roll was called and Director Jay Bogh, Director Bruce Granlund, Director Lonni Granlund, Director Chris Mann, and Director Joyce McIntire were present.

PUBLIC COMMENTS

Director Gil Navarro from the San Bernardino Valley Municipal Water District provided comments about the reliability and safety of imported water resources available to the Yucaipa Valley

Water District during the current state and federal emergency declarations.

Director Milford Harrison from the San Bernardino Valley Municipal Water District provided comments about the positive working relationship of the staff members and board members from the two agencies.

Director Ron Duncan from the San Geronio Pass Water Agency (SGPWA) provided information about the SGPWA office being closed to the public, and that there has not been an impact to imported water deliveries in the Pass area.

CONSENT CALENDAR

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

- A. Minutes of Meetings
 - 1. Regular Board Meeting - February 18, 2020
 - 2. Board Workshop - February 25, 2020
 - 3. Board Workshop - March 10, 2020
- B. Payment of Bills
 - 1. Approve/Ratify Invoices for Board Awarded Contracts
 - 2. Ratify General Expenses for February 2020

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

STAFF REPORT

General Manager Joseph Zoba provided information on the following item(s):

- The District has completed the installation of the Forsta Filters at the Yucaipa Valley Regional Water Filtration Facility. These pre-filters were installed upstream of the microfiltration membranes.
- The District staff completed the installation of the Pall microfiltration membranes at the Yucaipa Valley Regional Water Filtration Facility. The new membranes have significantly reduced the operating pressure of this filtration process.
- The Wochholz Regional Water Recycling Facility and the Yucaipa Valley Regional Water Filtration Facility utilize several barriers of membrane protection to provide safe drinking water and recycled water to the community.

- The District staff has been doing an amazing job while under new work guidelines related to the coronavirus situation.

Legal Counsel David Wysocki provided information about Governor Newsom’s Executive Order N-29-20 and also shared suggestions about conducting an efficient teleconference meeting.

DISCUSSION ITEMS:

DM 20-024

CONSIDERATION OF RESOLUTION NO. 2020-15 PROCLAIMING A LOCAL EMERGENCY RELATED TO THE CORONAVIRUS AND COVID-19 IN THE YUCAIPA VALLEY WATER DISTRICT SERVICE AREA WITHIN THE COUNTIES OF RIVERSIDE AND SAN BERNARDINO

General Manager Joseph Zoba provided an overview of the current coronavirus and COVID-19 situation and discussed the importance of Resolution No. 2020-15.

Director Jay Bogh moved that the Board adopt Resolution No. 2020-15.

Director Lonni Granlund seconded the motion.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Chris Mann - Yes
- Director Joyce McIntire - Yes

DM 20-025

APPROVAL OF RESOLUTION NO. 2020-16 REDESIGNATING THE TIME AND PLACE FOR HOLDING REGULAR MEETINGS OF THE BOARD OF DIRECTORS

General Manager Joseph Zoba discussed the need to proactively conduct weekly board meetings to provide maximum flexibility to act quickly if the COVID-19 issue impacts the District staff or community.

Director Bruce Granlund moved that the Board adopt Resolution No. 2020-16.

Director Joyce McIntire seconded the motion.

The motion was approved by the following vote:

- Director Jay Bogh - Yes
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Chris Mann - Yes
- Director Joyce McIntire - Yes

DM 20-026

CONSIDERATION OF
RESOLUTION NO. 2020-
17 UPDATING THE
AUTHORIZED
SIGNATORIES FOR
BANK OF AMERICA
ACCOUNTS

Chief Financial Officer Allison Edmisten discussed the process to update the authorized signatures forms with Bank of America.

Director Joyce McIntire moved that the Board approve Resolution No. 2020-17.

Director Bruce Granlund seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

DM 20-027

CONSIDERATION OF
CHANGE ORDER NO. 2
AND NOTICE OF
COMPLETION FOR THE
CONTRACT WITH
INLAND POTABLE
SERVICES FOR THE
INSPECTION AND
CLEANING OF DISTRICT
RESERVOIRS AND
FACILITIES

Operations Manager Mike Kostelecky discussed the reservoir cleaning contract with Inland Potable Services.

Director Lonni Granlund moved that the Board authorize the General Manager to execute Change Order No. 2 for a sum of \$23,149 and file the Notice of Completion.

Director Bruce Granlund seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

DM 20-028

RATIFICATION OF A
CHANGE ORDER FOR
THE LABORATORY
REMODEL PROJECT

Regulatory Compliance Manager Ashley Gibson provided information about the improvements to the laboratory at the Wochholz Regional Water Recycling Facility.

Director Bruce Granlund moved that the Board ratify the Change Order from LCS for an amount of \$3,529.

Director Lonni Granlund seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

DM 20-029

CONSIDERATION TO
SOLICIT INSURANCE
COVERAGE COSTS
FROM ALLIANT
INSURANCE SERVICES

Implementation Manager Kathryn Hallberg provided a recommendation to solicit a proposal for insurance coverage from Alliant Insurance Services.

Director Bruce Granlund moved that the Board direct the General Manager to solicit a proposal from Alliant Insurance Services for bundled insurance coverage.

Director Jay Bogh seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

DM 20-030

RATIFICATION OF A
MEMORANDUM OF
UNDERSTANDING WITH
STATE OF CALIFORNIA
DEPARTMENT OF
FORESTRY AND FIRE
PROTECTION TO
PROVIDE SITE
MAINTENANCE

Implementation Manager Matthew Porras provided a summary of the contract with the Department of Forestry for the cleanup and abatement of vegetation on various District properties.

Director Jay Bogh moved that the Board ratify the Memorandum of Understanding with the State of California Department of Forestry and Fire Protection.

Director Bruce Granlund seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

DM 20-031

DISCUSSION
REGARDING THE
ADOPTION OF AN
UPDATED PERSONNEL
MANUAL FOR THE
YUCAIPA VALLEY
WATER DISTRICT

Chief Financial Officer Allison Edmisten provided a brief overview of the changes to the District's Personnel Manual.

Director Lonni Granlund moved that the Board, by minute order, adopt the proposed Personnel Manual.

Director Bruce Granlund seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

DM 20-032

CONSIDERATION OF
RESOLUTION NO 2020-
18 APPROVING THE
NOTICE OF EXEMPTION
FOR THE INTERSTATE
10 DUNLAP SEWER
CROSSING

Water Resource Manager Jennifer Ares and Implementation
Manager Matthew Porras provided information about the Notice
of Exemption for the I-10 Dunlap Sewer Crossing.

Director Joyce McIntire moved that the Board adopt Resolution
No. 2020-18.

Director Lonni Granlund seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

DM 20-033

RATIFICATION OF
ELECTRICAL SERVICE
AUTHORIZATION FOR
IMPROVEMENTS AT
DRINKING WATER
RESERVOIR R-18.4

Implementation Manager Matthew Porras explained the benefit
of installing electrical service to Reservoir R-18.4 in the Hidden
Meadows area.

Director Joyce McIntire moved that the Board ratify the
authorization for Titan Electric to install electrical service at
Reservoir R-18.4 for a sum not to exceed \$79,750.

Director Bruce Granlund seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

DM 20-034

PRESENTATION OF THE
FEBRUARY 2020
OPERATIONAL REPORT

General Manager Joseph Zoba provided a few sample graphs
from the Operational Report.

Director Lonni Granlund moved that the Board receive and file
the Operational Report.

Director Bruce Granlund seconded the motion.

The motion was approved by the following vote:

Director Jay Bogh - Yes
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Chris Mann - Yes
Director Joyce McIntire - Yes

BOARD REPORTS AND
DIRECTOR COMMENTS

None.

ANNOUNCEMENTS

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

CLOSED SESSION

A closed session was not conducted at this meeting.

ADJOURNMENT

The meeting was adjourned at 4:45 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary

(Seal)

Staff Report



Yucaipa Valley Water District

Discussion Items



Yucaipa Valley Water District



Date: March 31, 2020

Prepared By: Joseph B. Zoba, General Manager

Subject: Status Report Regarding the Proclamation of a Local Emergency Related to the Coronavirus and COVID-19 in the Yucaipa Valley Water District Service Area within the Counties of Riverside and San Bernardino

Recommendation: Pending

The Centers for Disease Control and Prevention (CDC) is responding to an outbreak of respiratory disease caused by a novel (new) coronavirus that was first detected in China and has now been detected in more than 195 countries¹, including in the United States. The virus has been named “SARS-CoV-2” and the disease it causes has been named “coronavirus disease 2019” (abbreviated “COVID-19”).

In light of rising public concern over the coronavirus disease 2019 (COVID-19), the drinking water supplied by the Yucaipa Valley Water District is clean, safe and reliable. The SARS-CoV-2 virus has no impact on the quality or supply of tap water. The use of high pressure membranes at the Yucaipa Valley Regional Water Filtration Facility and the Wochholz Regional Water Recycling Facility have been proven to be an effective additional barrier to viruses and various undesirable chemical molecules. Additionally, the Yucaipa Valley Water District uses chlorine to disinfect the water before it enters the distribution system to protect against microorganisms such as bacteria, viruses, fungus, and other micro-organisms. This ensures safe drinking water for all our customers.

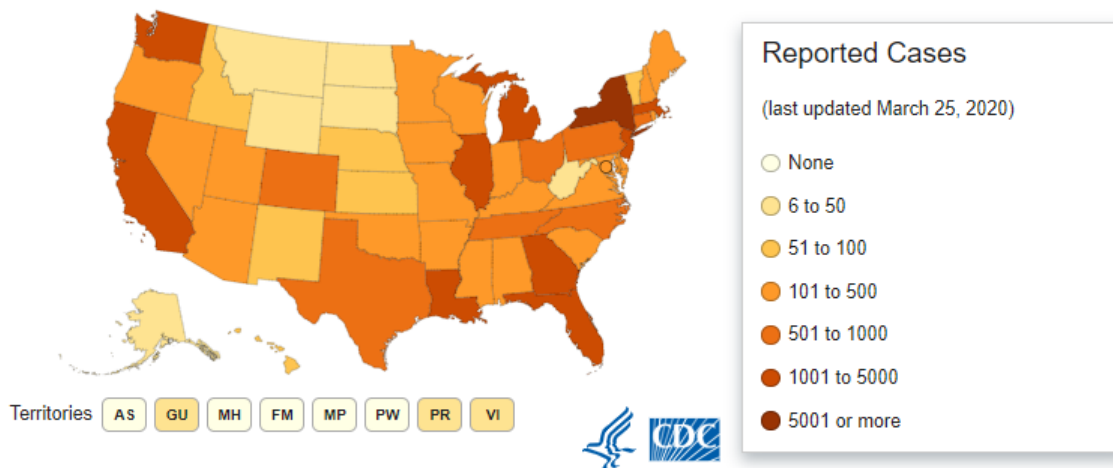
The District staff constantly monitors our distribution system to ensure that there is sufficient chlorine residual and there are no bacteriological issues. We conduct thousands of water quality tests annually to ensure our drinking water meets rigorous drinking water standards. Highly-skilled District staff constantly perform analyses both on-site and send other samples to state-certified laboratories for independent validation.

In addition, the Yucaipa Valley Water District has an extensive backflow prevention program where water cannot flow back into the drinking water system from properties that may pose a contamination risk.

The Yucaipa Valley Water District has installed microfiltration and reverse osmosis systems that further protect drinking water and recycled water from bacteriological impacts. The recycled water supply is further protected with the use of ultraviolet disinfection and reverse osmosis membranes that are able to provide additional protections against microorganisms.

¹ Novel Coronavirus (COVID-19) Situation Summary
<https://experience.arcgis.com/experience/685d0ace521648f8a5beeeee1b9125cd>

The District staff will provide an update about the current steps taken by the District to protect the safety of employees and the community we serve.



2

COVID-19 in California by the Numbers

Note: The following numbers reflect information received by local health jurisdictions as of 2 p.m. PDT March 23. More current numbers may be available from [local health jurisdictions](#).

2,102 – Positive cases

40 – Deaths (including one non-California resident)

*Increase occurred over period of two days.

- 531 – Community-acquired cases
- 1,571 – Cases acquired through person-to-person transmission, travel (including cruise ship passengers), repatriation, or under investigation.
 - This includes 31 health care workers.

Ages of all confirmed positive cases:

- Age 0-17: 28 cases
- Age 18-49: 970 cases
- Age 50-64: 493 cases
- Age 65+: 449 cases
- Unknown: 162 cases

3

² States Reporting Cases of COVID-19 to the CDC <https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/cases-in-us.html>

³ <https://www.cdph.ca.gov/Programs/OPA/Pages/NR20-32.aspx>

THE PRESIDENT'S **CORONAVIRUS GUIDELINES FOR AMERICA**

15 DAYS TO SLOW THE SPREAD

Listen to and follow the directions of your **STATE AND LOCAL AUTHORITIES**.

IF YOU FEEL SICK, stay home. Do not go to work. Contact your medical provider.

IF YOUR CHILDREN ARE SICK, keep them at home. Do not send them to school. Contact your medical provider.

IF SOMEONE IN YOUR HOUSEHOLD HAS TESTED POSITIVE for the coronavirus, keep the entire household at home. Do not go to work. Do not go to school. Contact your medical provider.

IF YOU ARE AN OLDER PERSON, stay home and away from other people.

IF YOU ARE A PERSON WITH A SERIOUS UNDERLYING HEALTH CONDITION that can put you at increased risk (for example, a condition that impairs your lung or heart function or weakens your immune system), stay home and away from other people.



For more information, please visit
CORONAVIRUS.GOV

THE PRESIDENT'S CORONAVIRUS GUIDELINES FOR AMERICA

DO YOUR PART TO SLOW THE SPREAD OF THE CORONAVIRUS

Even if you are young, or otherwise healthy, you are at risk and your activities can increase the risk for others. It is critical that you do your part to slow the spread of the coronavirus.

Work or engage in schooling **FROM HOME** whenever possible.

IF YOU WORK IN A CRITICAL INFRASTRUCTURE INDUSTRY, as defined by the Department of Homeland Security, such as healthcare services and pharmaceutical and food supply, you have a special responsibility to maintain your normal work schedule. You and your employers should follow CDC guidance to protect your health at work.

AVOID SOCIAL GATHERINGS in groups of more than 10 people.

Avoid eating or drinking at bars, restaurants, and food courts — **USE DRIVE-THRU, PICKUP, OR DELIVERY OPTIONS.**

AVOID DISCRETIONARY TRAVEL, shopping trips, and social visits.

DO NOT VISIT nursing homes or retirement or long-term care facilities unless to provide critical assistance.

PRACTICE GOOD HYGIENE:

- *Wash your hands, especially after touching any frequently used item or surface.*
- *Avoid touching your face.*
- *Sneeze or cough into a tissue, or the inside of your elbow.*
- *Disinfect frequently used items and surfaces as much as possible.*

CORONAVIRUS.GOV

School operations can accelerate the spread of the coronavirus. Governors of states with evidence of community transmission should close schools in affected and surrounding areas. Governors should close schools in communities that are near areas of community transmission, even if those areas are in neighboring states. In addition, state and local officials should close schools where coronavirus has been identified in the population associated with the school. States and localities that close schools need to address childcare needs of critical responders, as well as the nutritional needs of children.

Older people are particularly at risk from the coronavirus. All states should follow Federal guidance and halt social visits to nursing homes and retirement and long-term care facilities.

In states with evidence of community transmission, bars, restaurants, food courts, gyms, and other indoor and outdoor venues where groups of people congregate should be closed.

Coronavirus Outbreak Timeline

- **December 31, 2019** – Cases of pneumonia detected in Wuhan, China, [are first reported to the WHO](#). During this reported period, the virus is unknown. The cases [occur between December 12 and December 29](#), according to Wuhan Municipal Health.
- **January 1, 2020** – Chinese health authorities close the [Huanan Seafood Wholesale Market](#) after it is discovered that wild animals sold there may be the source of the virus.
- **January 5, 2020** – China announces that the unknown pneumonia cases in Wuhan are not SARS or MERS. In a [statement](#), the Wuhan Municipal Health Commission says a retrospective probe into the outbreak has been initiated.
- **January 7, 2020** – Chinese authorities confirm that they have identified the virus as a novel coronavirus, initially named [2019-nCoV](#) by the WHO.
- **January 11, 2020** – The Wuhan Municipal Health Commission announces the first death caused by the coronavirus. A 61-year-old man, exposed to the virus at the seafood market, died on January 9 after respiratory failure caused by severe pneumonia.
- **January 13, 2020** – Thai authorities [report a case of infection caused by the coronavirus](#). The infected individual is a Chinese national who had arrived from Wuhan.
- **January 20, 2020** – [The National Institutes of Health announces that it is working on a vaccine against the coronavirus](#). “The NIH is in the process of taking the first steps towards the development of a vaccine,” says Dr. Anthony Fauci, director of the National Institutes of Allergy and Infectious Diseases.
- **January 21, 2020** – [Officials in Washington state confirm the first case on US soil](#).
- **January 23, 2020** – At an emergency committee convened by the World Health Organization, [the WHO says that the Wuhan coronavirus does not yet constitute a public health emergency of international concern](#).
- **January 29, 2020** – The White House announces the formation of a new [task force](#) that will help monitor and contain the spread of the virus, and ensure Americans have accurate and up-to-date health and travel information, it said.
- **January 30, 2020** – [The US reports its first confirmed case of person-to-person transmission of the Wuhan coronavirus](#). On the same day, the WHO determines that the outbreak constitutes a Public Health Emergency of International Concern (PHEIC).
- **January 30, 2020** - The International Health Regulations Emergency Committee of the World Health Organization declared the outbreak a [“public health emergency of international concern”](#) (PHEIC).
- **January 30, 2020** - CDC published [guidance for healthcare professionals on the clinical care of COVID-19 patients](#).

- **February 3, 2020** - CDC posted [guidance for assessing the potential risk for various exposures](#) to COVID-19 and managing those people appropriately.
- **February 7, 2020** – Li Wenliang, a [Wuhan doctor](#) who was [targeted by police](#) for trying to sound the alarm on a “SARS-like” virus in December, dies of the coronavirus. Following news of Li’s death, the topics “Wuhan government owes Dr. Li Wenliang an apology,” and “We want freedom of speech,” [trend on China’s Twitter-like platform, Weibo, before disappearing from the heavily censored platform.](#)
- **February 11, 2020** – [The WHO names the coronavirus COVID-19.](#)
- **February 21, 2020** – The CDC changes criteria for counting confirmed cases of novel coronavirus in the US and begins tracking two separate and distinct groups: [those repatriated by the US Department of State and those identified by the US public health network.](#)
- **February 25, 2020** – [The NIH announces](#) that a clinical trial to evaluate the safety and effectiveness of the antiviral drug remdesivir in adults diagnosed with coronavirus [has started at the University of Nebraska Medical Center in Omaha.](#) The first participant is an American who was evacuated from the Diamond Princess cruise ship docked in Japan.
- **February 26, 2020** – [CDC officials say that a California patient being treated for novel coronavirus is the first US case of unknown origin.](#) The patient, who didn’t have any relevant travel history nor exposure to another known patient, is the first possible US case of “community spread.”
- **February 26, 2020** – [President Donald Trump places Vice President Mike Pence in charge of the US government response to the novel coronavirus,](#) amid growing criticism of the White House’s handling of the outbreak.
- **February 27, 2020** - CDC updated its [criteria to guide evaluation of persons under investigation for COVID-19.](#)
- **March 4, 2020** - Governor Gavin Newsom declared a State of Emergency due to the threat of COVID-19.
- **March 8, 2020** - CDC issued a Health Alert Network (HAN).
- **March 10, 2020** - CDC issued updated infection control guidance for healthcare settings, including guidance on the use of personal protective equipment (PPE) during a shortage.
- **March 11, 2020** - [WHO publicly](#) characterized COVID-19 as a pandemic.
- **March 12, 2020** - Governor Gavin Newsom issued [Executive Order N-25-20](#) suspending requirements of the Brown Act and Bagley-Keene Act in response to the Coronavirus. More specifically, the following Brown Act requirements are waived:
 - That the location from which each member participating via teleconference be noticed on the agenda for the meeting that member is participating via teleconference.

- That each teleconference location be open and accessible to any member of the public.
- That each teleconference location be equipped to allow comments from any member of the public wishing to make a public comment.
- That an agenda be posted at each teleconference location.
- That a quorum of members of the legislative body participate from teleconference locations within the local agency's jurisdiction.
- The waiver of these Brown Act provisions is nevertheless subject to the following requirements:
 - That advance notice of meetings being conducted be accomplished in accordance with the Brown Act.
 - That at least one ADA-accessible location be made available and equipped to allow members of the public to observe and participate in public meetings, and that such a location be listed on the notice for such a meeting.
- **March 12, 2020** - President Donald Trump declares a National Emergency in response to the Coronavirus.
- **March 15, 2020** - Governor Newsom called for voluntary closure of bars and in-home self-isolation of seniors 65 and older, as well as persons at-risk due to underlying conditions.
- **March 16, 2020** - The health officers of Alameda, Contra Costa, Marin, San Francisco, San Mateo, and Santa Clara counties announced, with the City of Berkeley, a legal order directing their respective residents to shelter in place for three weeks beginning midnight March 17 to April 7 in order to slow the spread of the coronavirus. The order limited activity, travel and business functions to only the most essential needs.

Yucaipa Valley Water District implements restrictions to public access at the District office and issues a press release regarding delinquent payments and turn-offs for District customers.

Yucaipa Valley Water District activates Level 3 Incident Command procedures.

- **March 17, 2020** - More counties issued shelter in place orders. The federal Defense Secretary said the military would provide up to 5 million respirator masks and also 2,000 ventilators from its reserve.
- **March 19, 2020** - Governor Newsom announces a statewide stay-at-home order ([Executive Order N-33-20](#)). Governor Newsom asked the Department of Defense to deploy the Navy's USNS *Mercy* hospital ship in California.

The operations of the Yucaipa Valley Water District are designated by the Federal government as a critical infrastructure sector. Therefore, the orders to stay home do not apply to employees, contractors, and vendors that we need to support our mission to provide drinking water and sewer service to the community. The continued operation of drinking water and sewer service is absolutely vital to the public health, safety, security, and functioning of our community. We will continue to provide safe and reliable service to the community under all circumstances. All employees are strongly encouraged to do their part to stay healthy and safe.

- **March 23, 2020** - The Yucaipa Valley Water District conducts the first [special board meeting](#) by teleconference consistent with the guidelines set forth by the White House Coronavirus Task Force and California Governor Newsom's statewide stay-at-home order ([Executive Order N-33-20](#)).

The Yucaipa Valley Water District shifts all employees to a Monday - Thursday work schedule except for water and sewer operations. The District office remains closed to the public.

- **March 24, 2020** - The Yucaipa Valley Water District conducts the a [special board meeting](#) by teleconference consistent with the guidelines set forth by the White House Coronavirus Task Force and California Governor Newsom's statewide stay-at-home order ([Executive Order N-33-20](#)).
 - The Board of Directors unanimously approve Resolution No. 2020-15 proclaiming a local emergency related to the coronavirus and COVID-19.
 - The Board of Directors unanimously approve Resolution No. 2020-16 designating weekly board meetings on Tuesdays at 4:00 pm to adapt, respond, and communicate with the public about potential coronavirus and COVID-19 impacts. No noteworthy impacts of the outbreak are known at this time.



For Immediate Release

News Release

Date: March 17, 2020

Contact: Joseph Zoba, General Manager
(909) 797-5119 x2 - jzoba@yvwd.us

YUCAIPA VALLEY WATER DISTRICT IMPLEMENTS 15 DAYS TO SLOW THE SPREAD District Office Closed to Public Effective March 17, 2020

At Yucaipa Valley Water District (District) the health and safety of our customers and employees is a top priority.

As part of the President's Coronavirus Guidelines for America - 15 Days to Slow the Spread, the Yucaipa Valley Water District offices at 12770 Second Street, Yucaipa, California will be closed to the public until further notice. However, District drinking water, recycled water, and sewer services remain fully safe and operational.

To assist our customers we have extended our phone service hours to speak with a live operator from 6:30 am to 5:00 pm. Please contact us directly at (909) 797-5117 with any questions you may have regarding your drinking water, recycled water, or sewer service.

As a result of the District office closure, the Yucaipa Valley Water District will not accept in-person payments at the District office. Customers may continue to make payments utilizing the following options:

- Online through the billing portal at:
 - <https://www.yvwd.dst.ca.us>, or
 - <https://www.xpressbillpay.com/#/?org=Yucaipavalleywaterdistrict10612>
- Pay by Interactive Voice Response available 24/7 at toll-free (866) 807-5769.
- Mail payment to:

Yucaipa Valley Water District
Post Office Box 730
Yucaipa, California 92399

or

YVWD Processing Facility
Post Office Box 997
Pleasant Grove, Utah 84062-0997

- Payment Drop Box for check or money order payments located at:

Yucaipa Valley Water District
12770 Second Street
Yucaipa, California 92399

While we appreciate your prompt payment, the Yucaipa Valley Water District will not be assessing late fees or discontinuing service to customers through April 30, 2020.

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For Immediate Release

News Release

Date: March 25, 2020

Contact: Joseph Zoba, General Manager
(909) 797-5119 x2 - jzoba@yvwd.us

YUCAIPA VALLEY WATER DISTRICT SCHEDULES WEEKLY TELECONFERENCES TO INCREASE COMMUNITY INVOLVEMENT, COMMUNICATION AND RESPONSE

At the special meeting on Tuesday, March 24, 2020, the Board of Directors of the Yucaipa Valley Water District changed the frequency of board meetings from twice per month to weekly teleconferences. The public is encouraged to take a moment out of their day and tune in from their computer to observe the meetings.

"The Yucaipa Valley Water District continues to prioritize the health and safety of its customers and employees, while assuring the consistent delivery of safe drinking water and recycled water to our customers" said Board President Chris Mann . "By conducting teleconference and online meetings, the District will be able to share information with the community on a weekly basis."

General Manager Joseph Zoba believes that the online communication system used by the District will likely increase the amount of community involvement given the ease of use. "The District has taken extra steps to make sure the community can observe and be part of the teleconference and online meetings" said Zoba. "The implementation of the new online communication platform will significantly improve the availability of information for those with a computer and Internet access" said Zoba.

To show how the District is fully engaged in the safe and proactive response to COVID-19, General Manager Joseph Zoba shared images online of the several different types of treatment systems used by the District, including reverse osmosis membranes that protect the drinking water and recycled water supply from small molecules and viruses.

The weekly board meetings will be held every Tuesday at 4:00 pm. Individuals can listen to the meeting by calling (888) 475-4499. To view the meeting presentation and listen online, individuals can visit the District website at www.yvwd.dst.ca.us for more information.

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RESOLUTION NO. 2020-15

A RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT PROCLAIMING A LOCAL EMERGENCY RELATED TO THE CORONAVIRUS AND COVID-19 IN THE YUCAIPA VALLEY WATER DISTRICT SERVICE AREA WITHIN THE COUNTIES OF RIVERSIDE AND SAN BERNARDINO

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

WHEREAS, the governing body of the Yucaipa Valley Water District has the authority to proclaim a local emergency; and

WHEREAS, California Government Code Section 3100 states that all public employees are declared to be disaster service workers subject to such disaster service activities as may be assigned to them by their superiors or by law, and the Yucaipa Valley Water District needs to provide drinking water, recycled water and sewer services deemed as an essential public service; and

WHEREAS, any actions that the Yucaipa Valley Water District may take to ensure the continuation of critical services to protect the safety of customers and to provide for immunities that will protect the Yucaipa Valley Water District for actions taken, as covered under the California Emergency Services Act; and

WHEREAS, working with the County of Riverside and the County of San Bernardino, this proclamation authorizes the undertaking of powers and invoking and disseminating emergency orders (e.g., emergency orders, emergency spending authorities, emergency or pre-established contracting, order necessary Personal Protective Equipment, recovery, etc.) and regulations necessary to provide for the protection of life, property, and the environment; and

WHEREAS, this proclamation establishes that an emergency exists, and that if mutual aid of in-county resources are needed to assist the District, as covered under the California Master Mutual Aid Agreement and any local agreements to provide mutual aid should be sufficient to establish, and that the Emergency Services Act applies; and

WHEREAS, this proclamation establishes that an emergency exists, and if out-of-county assistance is needed, requests for mutual aid should follow procedures set forth by the Standardized Emergency Management System (SEMS) and the Governor’s Office of Emergency Services (CalOES), including obtaining mission numbers through the County of Riverside Emergency Management Department from CalOES for responding agencies. This is particularly important for possible reimbursement of extraordinary expenses in the event of a proclaimed “State of Emergency” or in the event of a presidential declaration of disaster when state or federal disaster relief funds become available; and

WHEREAS, conditions of disaster or of extreme peril to the health and safety of persons and property have arisen both internationally and within the United States as a result of the introduction of the novel coronavirus (COVID-19), a novel communicable disease which led to

California Governor Gavin Newsom, to proclaim a State of Emergency for California on March 4, 2020; and

WHEREAS, currently COVID-19 has spread globally and as of March 19, 2020 has impacted 168 countries, infecting more than 209,839 persons and causing more than 8,778 fatalities worldwide (Source: WHO Novel Coronavirus (COVID-19) Situation - <https://experience.arcgis.com/experience/685d0ace521648f8a5beeeee1b9125cd>). Due to the expanding list of countries with widespread transmission of COVID-19, and increasing travel alerts and warnings for countries experiencing sustained or uncontrolled community transmission issued by the Centers for Disease Control and Prevention (CDC), COVID-19 has created conditions that are likely to be beyond the control of local resources and require the combined forces of other political subdivisions to combat this virus; and

WHEREAS, a Local Health Emergency was proclaimed by the County of Riverside Public Health Officer on March 8, 2020, and ratified by the Board of Supervisors on March 10, 2020; and

WHEREAS, the County of San Bernardino Public Health Officer on March 17, 2020, ordered a cancellation of all gatherings; and

WHEREAS, a Local Emergency was proclaimed by the County of Riverside Board of Supervisors on March 10, 2020; and

WHEREAS, the CDC confirmed person-to-person transmission of COVID-19 in the United States, raising the possibility of community transmission occurring in the general public. This has resulted in a Federal Declaration of National Emergency as declared by President Donald Trump on March 13, 2020; and

WHEREAS, the Yucaipa Valley Water District's ability to mobilize local resources, coordinate interagency response, accelerate procurement of vital supplies, use mutual aid, and seek future reimbursement by State and Federal governments will be critical to successfully responding to COVID-19; and

WHEREAS, these conditions warrant and necessitate that the Yucaipa Valley Water District proclaim the existence of a local emergency; now, therefore,

BE IT RESOLVED that the Board of Directors of the Yucaipa Valley Water District hereby proclaims the existence of a local emergency and directs the General Manager (or his designee) to take the necessary steps for the protection of life, health and safety of the employees and residents of our community.

IT IS FURTHER RESOLVED that during the existence of said local emergency, the powers, functions, and duties of the Yucaipa Valley Water District shall be those prescribed by state law and by ordinances and resolutions of the Board of Directors at the discretion and direction of the General Manager.

IT IS FURTHER RESOLVED that all departments of the Yucaipa Valley Water District shall review and revise their department emergency and contingency plans to address the risks COVID-19 poses to the ongoing performance of their critical functions.

IT IS FURTHER RESOLVED that all District departments and employees shall track costs for staffing, supplies, and equipment related to COVID-19 preparation and prevention and forward that information to the Chief Financial Officer; and complete an Initial Damage Estimate (IDE) Category B, and forward that information to the Riverside County Emergency Management Department and the San Bernardino County Office of Emergency Services.

IT IS FURTHER RESOLVED that the District's departments shall coordinate District-wide planning, preparedness and response efforts regarding COVID-19 with the Riverside County EMD and San Bernardino County OES.

IT IS FURTHER RESOLVED that this Resolution shall take effect immediately and that widespread publicity and notice shall be given said Proclamation through the most feasible and adequate means of disseminating such notice throughout the District.

BE IT FURTHER RESOLVED AND ORDERED that a copy of this Resolution be forwarded to the Riverside County EMD and San Bernardino County OES to be forwarded to the Director of the California Governor's Office of Emergency Services.

PASSED, APPROVED and ADOPTED this 24th day of March 2020.

YUCAIPA VALLEY WATER DISTRICT

ATTEST:

Chris Mann, President Board of Directors

Joseph B. Zoba, General Manager



Date: March 31, 2020

Prepared By: Allison M. Edmisten, Chief Financial Officer

Subject: Presentation of the Unaudited Financial Report for the Period Ending on February 29, 2020

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

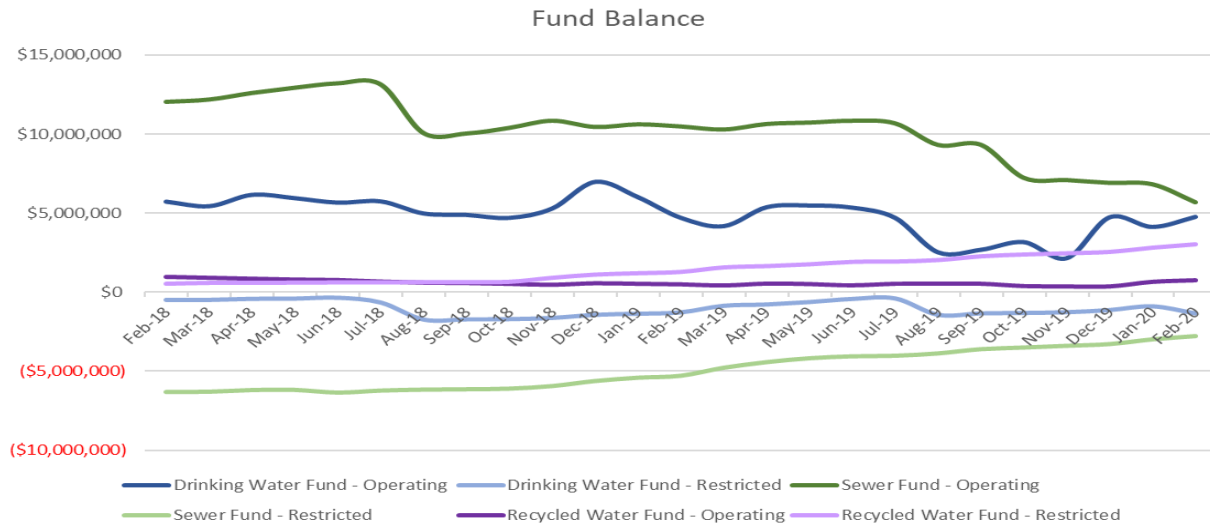
The following unaudited financial report has been prepared by the Administrative Department for your review. The report has been divided into five sections to clearly disseminate information pertaining to the financial status of the District. Please remember that the following financial information has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

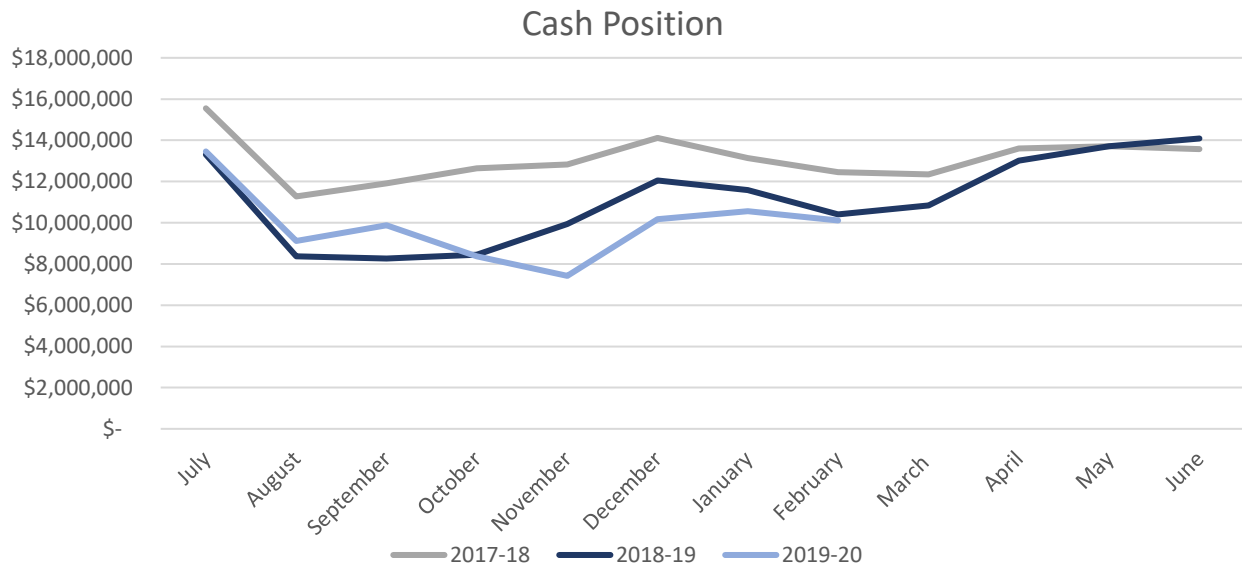
Cash Fund Balance and Cash Flow Reports

[Detailed information can be found on page 7 to 8 of 25]

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

Fund Source	Operating Funds	Restricted Funds	Total Funds
Water Division	\$ 4,772,582.94	\$ (1,356,926.05)	\$ 3,415,656.89
Sewer Division	\$ 5,679,386.38	\$ (2,793,681.54)	\$ 2,885,704.84
Recycled Water Division	\$ 767,485.37	\$ 3,046,566.26	\$ 3,814,051.63
Total	\$ 11,219,454.69	\$ (1,104,041.33)	\$ 10,115,413.36





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

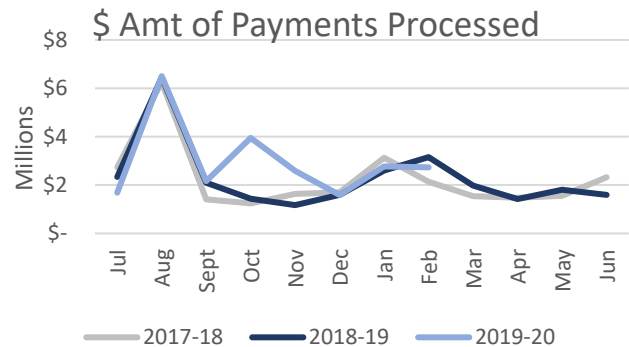
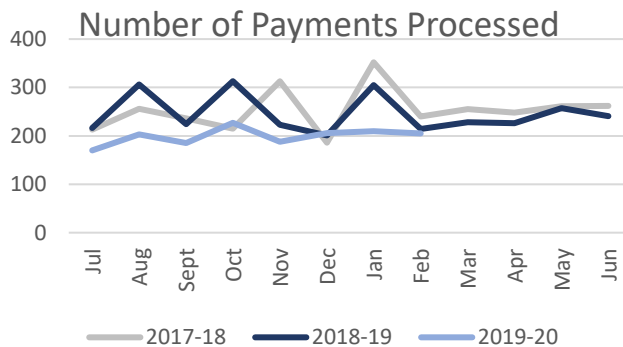
The Cash Flow Report provides a list of the debt service payment due dates and amounts as well as the cash flow requirements for debt service for each month of the fiscal year.

Cash Disbursement Report

[Detailed information can be found on pages 9 to 13 of 25]

The cash disbursement report lists each check and electronic payment processed during the month of February 2020. All payments are reviewed by District staff for accuracy and completeness, checks are usually signed by the General Manager and one Director but may be signed by two Directors. The Chief Financial Officer will make any check, payment, invoice or supporting documentation available for review to any board member upon request.

	Number Processed	Amount Processed
Checks	192	\$ 2,078,645.75
Electronic Payments	13	\$ 653,945.81
Total	205	\$ 2,732,591.56



Financial Account Information

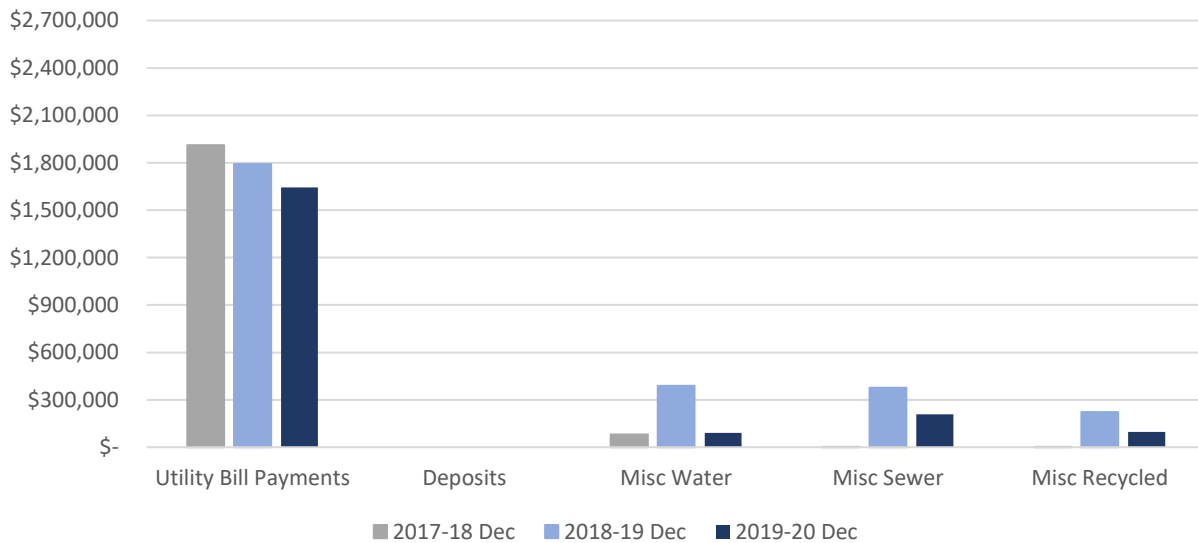
The District currently deposits all revenue received via mail or in person into the Deposit Checking account. All revenue received through Xpress Bill Pay is kept in a separate account and transferred weekly to the Deposit Checking account. The General Checking account is used as a sole processing account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

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

Monthly Revenue Allocation:

Funding Source	Total
Utility Bill Payments	\$ 1,630,241.33
Deposits	\$ 0.00
Misc. Water Related Activities	\$ 132,404.40
Misc. Sewer Related Activities	\$ 266,234.10
Misc. Recycled Related Activities	\$ 143,648.56
Total	\$ 2,172,528.39

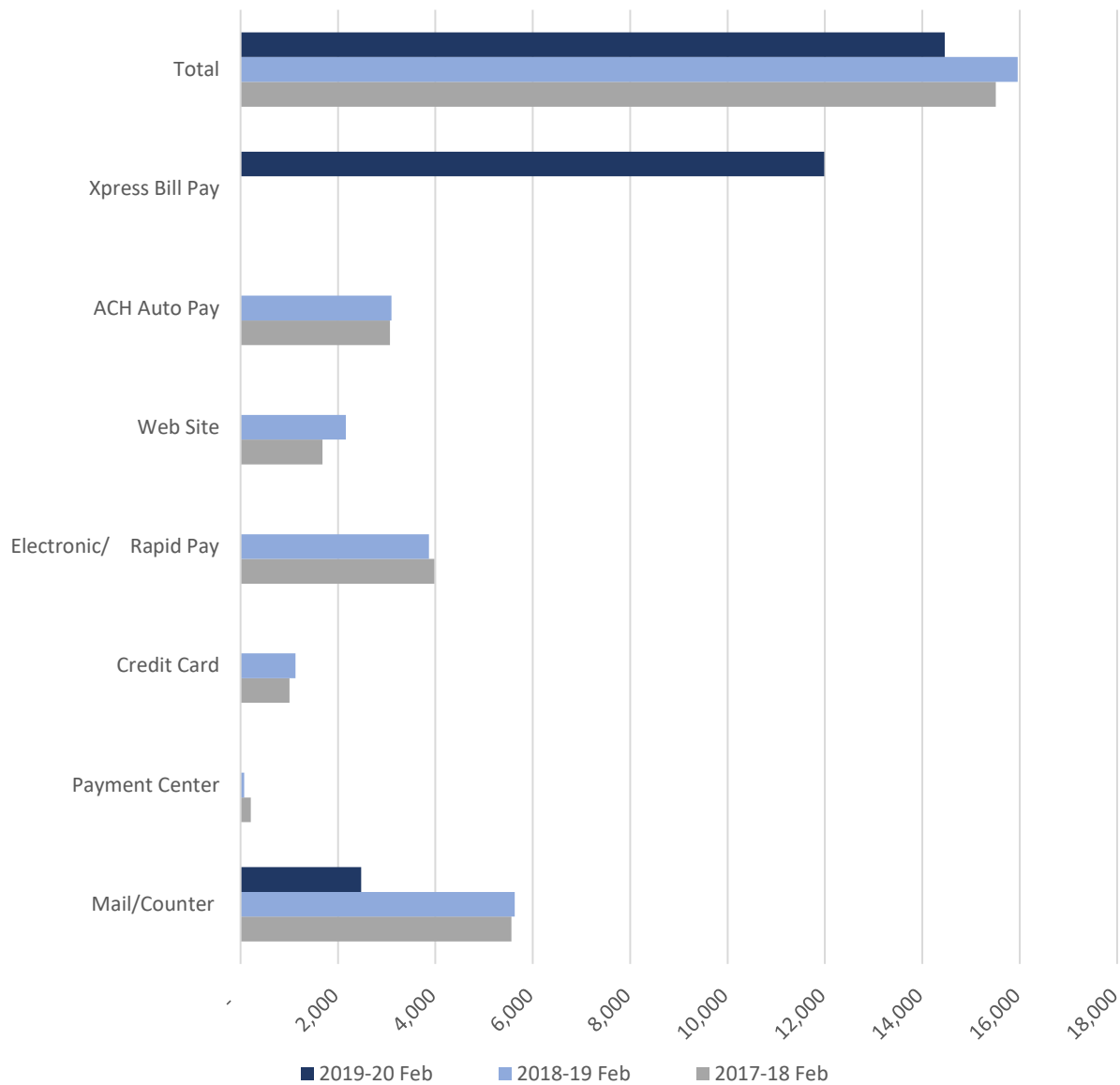
Monthly Revenue Allocation



Summary of Utility Bill Payments:

Payment Method	Number of Payments	% of Total Received
Mail/Counter	2,479	17.14%
Xpress Bill Pay	11,985	82.86%
Total	14,464	100.00%

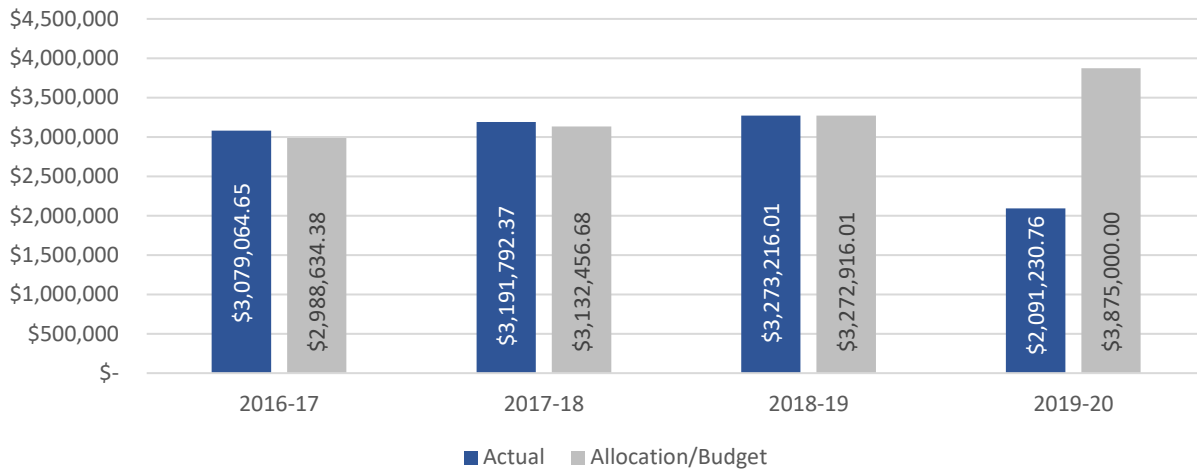
Type of Payments



Summary of Property Tax Revenue:

Current Month	Year-to-Date	Budget Amount	Percentage
Property Taxes	\$ 2,091,231	\$ 3,875,000	53.97%

Property Taxes - Actual vs. Budget



Investment Summary

[Detailed information can be found on pages 14 to 15 of 25]

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

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

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

Fiscal Year 2019-20 Detail Budget Status

[Detailed information can be found on pages 16 to 25 of 25]

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

Questions or Comments

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

Summary of Revenue Budget				
As of February 29, 2019 (54% of Budget Cycle)				
Division	Current Month	Year-to-Date	Budget Amount	Percentage
Water	\$ 984,563	\$ 9,425,893	\$ 14,475,622	65.12%
Sewer	\$ 1,249,864	\$ 8,697,030	\$ 13,584,986	64.02%
Recycled Water	\$ 152,782	\$ 1,305,209	\$ 1,301,447	100.29%
District Revenue	\$ 2,387,209	\$ 19,428,133	\$ 29,362,055	66.17%

Summary of Water Budget vs. Expenses				
As of February 29, 2019 (54% of Budget Cycle)				
Department	Current Month	Year-to-Date	Budget Amount	Percentage
Water Resources	\$ 254,978	\$ 3,032,123	\$ 4,962,623	61.10%
Public Works	\$ 179,464	\$ 2,026,847	\$ 3,176,293	63.81%
Administration	\$ 248,258	\$ 2,532,142	\$ 4,044,094	62.61%
Long Term Debt	\$ 545,713	\$ 2,291,361	\$ 2,292,612	99.95%
Asset Acquisition	\$ -	\$ -	\$ -	0.00%
TOTAL	\$ 1,228,413	\$ 9,882,473	\$ 14,475,622	68.27%

Summary of Sewer Budget vs. Expenses				
As of February 29, 2019 (54% of Budget Cycle)				
Department	Current Month	Year-to-Date	Budget Amount	Percentage
Treatment	\$ 405,857	\$ 3,003,902	\$ 4,198,162	71.55%
Administration	\$ 194,132	\$ 2,270,011	\$ 4,170,789	54.43%
Environmental Control	\$ 79,379	\$ 834,837	\$ 1,382,316	60.39%
Long Term Debt	\$ 260,752	\$ 3,833,694	\$ 3,833,719	100.00%
Asset Acquisition	\$ -	\$ -	\$ -	0.00%
TOTAL	\$ 940,120	\$ 9,942,445	\$ 13,584,986	73.19%

Summary of Recycled Water Budget vs. Expenses				
As of February 29, 2019 (54% of Budget Cycle)				
Department	Current Month	Year-to-Date	Budget Amount	Percentage
Administration	\$ 78,242	\$ 733,929	\$ 1,301,447	56.39%
TOTAL	\$ 78,242	\$ 733,929	\$ 1,301,447	56.39%
District Expenses	\$ 2,246,775	\$ 20,558,847	\$ 29,362,055	70.02%

Cash Fund Balance Report - February 2020

Water Division		GL#	Balance
Restricted	*ID 1 Construction Funds	02-10216	\$ 293,145.85
	*ID 2 Construction Funds	02-10217	\$ 80,409.31
	*FCC - Debt Service YVRWFF Phase I	02-10401	\$ (6,120,635.50)
	*FCC - Future YVRWFF Phase II & III	02-10403	\$ 583,202.22
	*FCC - Recycled System	02-10410	\$ (612,249.58)
	*FCC - Booster Pumping Plants	02-10411	\$ 960,754.40
	*FCC - Pipeline Facilities	02-10412	\$ 916,008.92
Operating	*FCC - Water Storage Reservoirs	02-10413	\$ 2,542,438.33
	Depreciation Reserves	02-10310	\$ -
	Infrastructure Reserves	02-10311	\$ 3,643,956.28
	Sustainability Fund	02-10313	\$ 135,708.86
	Rate Stabilization Fund	02-10314	\$ 500,209.14
	Imported Water Fund - MUNI	02-10315	\$ 800,441.89
	Imported Water Fund - SGPWA	02-10316	\$ 899,382.92
	Operating Funds:		\$ (1,207,116.15)
Total Water Division			\$ 3,415,656.89

Sewer Division		GL#	Balance
Restricted	*SRF Reserve Fund - Brineline	03-10218	\$ 637,449.00
	*SRF Reserve Fund - WISE	03-10219	\$ 184,928.00
	*SRF Reserve Fund - R 10.3	03-10220	\$ 51,531.00
	*SRF Reserve Fund - Crow St	03-10221	\$ 19,255.00
	*FCC - Debt Service WWTP Expansion & Upgrade	03-10405	\$ 3,225,487.68
	*FCC - Future WWTP Expansion	03-10407	\$ 2,367,336.47
	*FCC - Sewer Interceptors	03-10415	\$ (612,817.11)
	*FCC - Lift Stations	03-10416	\$ 435,231.91
	*FCC - Effluent Disposal Facilities	03-10417	\$ (1,307,641.90)
Operating	*FCC - Salt Mitigation Facilities	03-10418	\$ (7,794,441.59)
	Project Fund - Encumbered	03-10215	\$ 646,500.00
	Depreciation Reserves	03-10310	\$ -
	Infrastructure Reserves	03-10311	\$ 7,801,972.34
	Rate Stabilization Fund	03-10314	\$ 1,464,394.90
Operating Funds:		\$ (4,233,480.86)	
Total Wastewater Division			\$ 2,885,704.84

Recycled Water Division		GL#	Balance
Restricted	*FCC - Recycled System	04-10410	\$ 280,034.36
	*FCC - Booster Pumping Plants	04-10411	\$ 232,905.45
	*FCC - Pipeline Facilities	04-10412	\$ 1,374,467.90
	*FCC - Water Storage Reservoirs	04-10413	\$ 1,159,158.55
Operating	Depreciation Reserves	04-10310	\$ -
	Infrastructure Reserves	04-10311	\$ 320,486.40
	Operating Funds:		\$ 446,998.97
Total Recycled Water Division			\$ 3,814,051.63

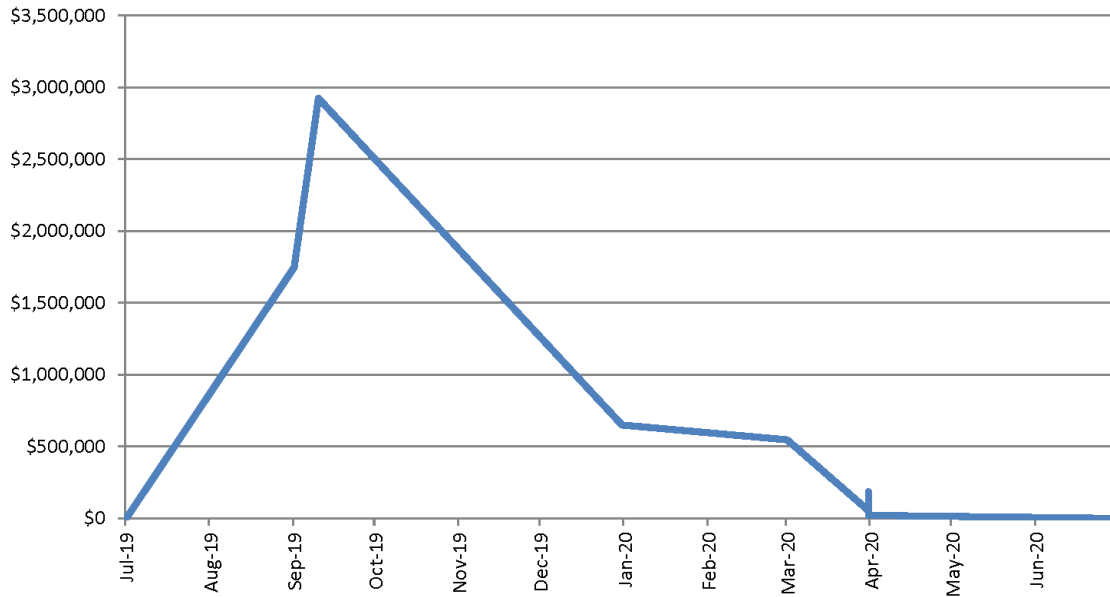
DISTRICT TOTAL \$ 10,115,413.36

*=Restricted Funds

Cash Flow Report for Fiscal Year 2019-20

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

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



Check Register - February 2020

Date	Check #	Payee or Description	Amount
2/3/2020	36300	ADS, LLC	\$ 4,275.00
2/3/2020	36301	Alexander's Meter Reading Solutions	\$ 793.00
2/3/2020	36302	Ameripride Uniform Services	\$ 875.00
2/3/2020	36303	Aqua-Metric Sales Company	\$ 38,143.50
2/3/2020	36304	Auto Care Clinic	\$ 119.40
2/3/2020	36305	Avista Technologies, Inc.	\$ 7,192.62
2/3/2020	36306	Best Home Center	\$ 11.74
2/3/2020	36307	C & B Crushing, Inc.	\$ 50.00
2/3/2020	36308	California Water Environment Association	\$ 192.00
2/3/2020	36309	CFC Security Inc	\$ 5,000.00
2/3/2020	36310	CRAIG STOKES	\$ 25.65
2/3/2020	36311	Crown Ace Hardware - Yucaipa	\$ 185.32
2/3/2020	36312	Custom Metal Fabrication	\$ 120.00
2/3/2020	36313	Desmond & Louis, Inc	\$ 1,150.00
2/3/2020	36314	Hemet Valley Tool Inc.	\$ 325.88
2/3/2020	36315	House Of Quality, Parts Plus	\$ 514.63
2/3/2020	36316	Houston & Harris PCS, Inc.	\$ 1,973.25
2/3/2020	36317	InfoSend, Inc.	\$ 9,336.44
2/3/2020	36318	Integrity Hose and Fittings	\$ 2,534.00
2/3/2020	36319	Kelly Services, Inc.	\$ 806.72
2/3/2020	36320	Krieger & Stewart	\$ 47,693.45
2/3/2020	36321	MBC Applied Environmental Sciences	\$ 1,350.00
2/3/2020	36322	Merit Oil Company	\$ 2,116.84
2/3/2020	36323	Meyers Nave	\$ 58,385.00
2/3/2020	36324	Office Solutions Bsns Products, L	\$ 54.28
2/3/2020	36325	Pro-Pipe & Supply, Inc.	\$ 1,777.57
2/3/2020	36326	R.F MacDonald Co.	\$ 3,692.39
2/3/2020	36327	Redline	\$ 3,438.21
2/3/2020	36328	SB CNTY-Solid Waste Mgmt Div	\$ 40.67
2/3/2020	36329	SCCI, Inc.	\$ 350.00
2/3/2020	36330	The Gas Company	\$ 3,062.15
2/3/2020	36331	TPX Communications	\$ 2,649.93
2/3/2020	36332	VP Imaging, Inc.	\$ 2,700.00
2/3/2020	36333	Water ISAC-Information Sharing & Analyti	\$ 2,099.00
2/3/2020	36334	Yucaipa Disposal, Inc.	\$ 1,923.84
2/3/2020	36335	VOID	\$ -
2/3/2020	36336	VOID	\$ -
2/3/2020	36337	VOID	\$ -
2/3/2020	36338	California State Disbursement Unit	\$ 743.52
2/3/2020	36339	FRANCHISE TAX BOARD	\$ 100.00
2/3/2020	36340	WageWorks Inc	\$ 1,414.03
2/4/2020	36341	CA-EDD	\$ 274.00
2/4/2020	36342	Blue Shield of California	\$ 3,770.60
2/4/2020	36343	Nippon Life Insurance Co	\$ 2,889.74
2/4/2020	36344	Standard Dental Insurance Co	\$ 1,437.12
2/4/2020	36345	Standard Insurance Vision Plan	\$ 255.00

Check Register - February 2020

2/10/2020	36346	ALYSSA KRAUTZ	\$	196.08
2/10/2020	36347	Ameripride Uniform Services	\$	876.75
2/10/2020	36348	Aqua-Metric Sales Company	\$	67,755.78
2/10/2020	36349	Armorcast Products Company	\$	21,599.57
2/10/2020	36350	BofA Credit Card	\$	758.84
2/10/2020	36351	Caselle, Inc.	\$	12,445.00
2/10/2020	36352	Clinical Laboratory of San Bernardino	\$	8,475.50
2/10/2020	36353	Coverall North America, Inc.	\$	1,331.00
2/10/2020	36354	Dig Safe Board	\$	1,965.14
2/10/2020	36355	Donegan Tree Service	\$	4,200.00
2/10/2020	36356	Ferguson Waterworks #1083	\$	3,323.01
2/10/2020	36357	First American Data Tree, LLC	\$	50.00
2/10/2020	36358	Grainger	\$	319.91
2/10/2020	36359	Hach Company	\$	797.35
2/10/2020	36360	Home Depot U.S.A. Inc	\$	491.30
2/10/2020	36361	Houston & Harris PCS, Inc.	\$	1,973.25
2/10/2020	36362	InfoSend, Inc.	\$	14,180.66
2/10/2020	36363	Inland Water Works Supply Co.	\$	1,639.63
2/10/2020	36364	IPT Holdings LLC	\$	6,260.28
2/10/2020	36365	JB Paving & Engineering, Inc.	\$	80,145.00
2/10/2020	36366	JW D'Angelo Co.	\$	3,758.04
2/10/2020	36367	Kelly Services, Inc.	\$	890.67
2/10/2020	36368	Konica Minolta Business Solutions	\$	1,132.08
2/10/2020	36369	LCS Constructors, Inc.	\$	44,896.50
2/10/2020	36370	Leach Microbial Consulting, LLC	\$	2,350.00
2/10/2020	36371	Les Schwab Tire Center	\$	1,932.57
2/10/2020	36372	Lowe's Companies, Inc.	\$	368.38
2/10/2020	36373	McCrometer, Inc.	\$	488.29
2/10/2020	36374	Merit Oil Company	\$	2,348.46
2/10/2020	36375	NetComp Technologies, Inc.	\$	2,350.00
2/10/2020	36376	Pacific Coast Landscape & Design, Inc.	\$	6,145.00
2/10/2020	36377	Pro-Pipe & Supply, Inc.	\$	375.89
2/10/2020	36378	Q Versa, LLC	\$	4,606.52
2/10/2020	36379	Raiset R. Santana and Adriana L. Santana	\$	207.69
2/10/2020	36380	San Bdno. Valley Muni. Water Dist.	\$	99,970.52
2/10/2020	36381	SCE Rosemead	\$	12.70
2/10/2020	36382	Separation Processes, Inc.	\$	1,820.00
2/10/2020	36383	Time Warner Cable	\$	280.77
2/10/2020	36384	Underground Service Alert Of So. CA	\$	297.10
2/10/2020	36385	US Bank	\$	5,289.84
2/10/2020	36386	USA BlueBook	\$	424.39
2/10/2020	36387	Yucaipa Valley Water District	\$	38,715.58
2/18/2020	36388	David L. Wysocki	\$	3,150.00
2/18/2020	36389	Delta Partners, LLC	\$	7,500.00
2/18/2020	36390	Dudek & Associates, Inc	\$	5,104.37
2/18/2020	36391	Eide Bailly LLP	\$	2,900.00
2/18/2020	36392	Geoscience Support Services, Inc.	\$	11,727.21

Check Register - February 2020

2/18/2020	36393	One Stop Landscape Supply Inc	\$	24,478.00
2/18/2020	36394	Pascal & Ludwig Constructors Inc.	\$	109,260.00
2/18/2020	36395	Separation Processes, Inc.	\$	21,316.50
2/17/2020	36396	California State Disbursement Unit	\$	743.52
2/17/2020	36397	FRANCHISE TAX BOARD	\$	100.00
2/17/2020	36398	IBEW Local #1436	\$	601.00
2/17/2020	36399	WageWorks Inc	\$	1,414.03
2/13/2020	36400	Berkshire Hathaway Homestate Companies	\$	13,885.41
2/18/2020	36401	All American Sewer Tools	\$	1,465.24
2/18/2020	36402	Alpine Springs	\$	62.45
2/18/2020	36403	Ameripride Uniform Services	\$	871.85
2/18/2020	36404	Assoc. SB Cty Special Districts	\$	105.00
2/18/2020	36405	Atlas Copco Compressors, LLC	\$	23,294.28
2/18/2020	36406	Best Home Center	\$	18.17
2/18/2020	36407	Brenntag Pacific, Inc	\$	20,414.70
2/18/2020	36408	CA-ARB/PERP	\$	735.00
2/18/2020	36409	Calmat Company	\$	2,599.30
2/18/2020	36410	Contron Scada Systems	\$	5,236.27
2/18/2020	36411	Corelogic, Inc.	\$	330.00
2/18/2020	36412	Crown Ace Hardware - Yucaipa	\$	170.17
2/18/2020	36413	DENNIS PINE	\$	1,030.62
2/18/2020	36414	Diversified Manufacturing Inc.	\$	6,770.43
2/18/2020	36415	Epic Pest Management	\$	85.00
2/18/2020	36416	Evoqua Water Technologies LLC	\$	3,316.66
2/18/2020	36417	Fastenal Company	\$	-
2/18/2020	36418	Fedex	\$	131.37
2/18/2020	36419	Frontier Communications	\$	162.37
2/18/2020	36420	Hasa, Inc.	\$	5,103.94
2/18/2020	36421	Inland Water Works Supply Co.	\$	431.00
2/18/2020	36422	JW D'Angelo Co.	\$	401.91
2/18/2020	36423	Kelly Services, Inc.	\$	1,008.40
2/18/2020	36424	Les Schwab Tire Center	\$	824.71
2/18/2020	36425	Merit Oil Company	\$	2,663.02
2/18/2020	36426	Office Solutions Bsns Products, L	\$	2,755.75
2/18/2020	36427	Pacific Coast Landscape & Design, Inc.	\$	1,275.00
2/18/2020	36428	Polydyne Inc.	\$	3,462.86
2/18/2020	36429	Pro-Pipe & Supply, Inc.	\$	44.56
2/18/2020	36430	Quinn Company	\$	5,053.87
2/18/2020	36431	Red Alert Special Couriers	\$	344.26
2/18/2020	36432	Safeguard Business Systems Inc	\$	1,191.18
2/18/2020	36433	San Bdno. Valley Muni. Water Dist.	\$	97,776.40
2/18/2020	36434	SB CNTY-Solid Waste Mgmt Div	\$	435.49
2/18/2020	36435	Southwest Membrane Operator Association	\$	150.00
2/18/2020	36436	Spectrum Business	\$	1,834.00
2/18/2020	36437	The Counseling Team International	\$	450.00
2/18/2020	36438	Uline, Inc.	\$	2,303.34
2/18/2020	36439	USA BlueBook	\$	9,218.00

Check Register - February 2020

2/18/2020	36440	Wells Fargo Bank-Corporate Trust Service	\$	545,712.83
2/18/2020	36441	Yucaipa/Calimesa News Mirror	\$	286.60
2/18/2020	36442	Fastenal Company	\$	1,333.02
2/24/2020	36443	Concentra	\$	133.00
2/24/2020	36446	Joe DeSalliers	\$	592.13
2/24/2020	36447	Peggy Little	\$	640.51
2/24/2020	36448	Robert Wall	\$	785.37
2/24/2020	36449	Timothy M. Mackamul	\$	368.03
2/24/2020	36450	WageWorks, Inc.	\$	191.75
2/24/2020	36451	YVWD-Petty Cash	\$	306.72
2/24/2020	36452	Addiction Medicine Consultants, Inc.	\$	350.00
2/24/2020	36453	Ameripride Uniform Services	\$	866.23
2/24/2020	36454	Aqua-Metric Sales Company	\$	125,370.63
2/24/2020	36455	AT&T Mobility	\$	2,400.91
2/24/2020	36456	Best Home Center	\$	97.99
2/24/2020	36457	BofA Credit Card	\$	2,043.55
2/24/2020	36458	Brenntag Pacific, Inc	\$	2,499.92
2/24/2020	36459	BSK Associates	\$	2,455.00
2/24/2020	36460	Caselle, Inc.	\$	15,000.00
2/24/2020	36461	Crown Ace Hardware - Yucaipa	\$	99.27
2/24/2020	36462	Donald Kent Stone	\$	738.00
2/24/2020	36463	Fedex	\$	132.09
2/24/2020	36464	Frontier Communications	\$	111.26
2/24/2020	36465	House Of Quality, Parts Plus	\$	130.61
2/24/2020	36466	Houston & Harris PCS, Inc.	\$	3,125.75
2/24/2020	36467	In-Situ Inc.	\$	169.37
2/24/2020	36468	Kelly Services, Inc.	\$	1,021.64
2/24/2020	36469	Kenneth Carnes	\$	70.00
2/24/2020	36470	Les Schwab Tire Center	\$	105.06
2/24/2020	36471	Medical Biowaste Solutions. Inc.	\$	1,952.50
2/24/2020	36472	Merit Oil Company	\$	2,378.62
2/24/2020	36473	NetComp Technologies, Inc.	\$	2,550.00
2/24/2020	36474	Paxxo, Inc.	\$	2,481.93
2/24/2020	36475	Polydyne Inc.	\$	3,462.86
2/24/2020	36476	Pro-Pipe & Supply, Inc.	\$	1,333.62
2/24/2020	36477	Red Alert Special Couriers	\$	344.26
2/24/2020	36478	Redline	\$	1,380.24
2/24/2020	36479	Safeguard Business Systems Inc	\$	939.25
2/24/2020	36480	San Bernardino County Dept of Public Wor	\$	1,236.00
2/24/2020	36481	SB CNTY-Solid Waste Mgmt Div	\$	725.28
2/24/2020	36482	SCE Rosemead	\$	186,452.43
2/24/2020	36483	Spectrum Business	\$	1,834.00
2/24/2020	36484	Tri County Pump Company	\$	88,645.49
2/24/2020	36485	Western Municipal Water District	\$	1,000.00
2/24/2020	36486	Wilson Bohannan Company	\$	1,858.18
2/28/2020	36487	California State Disbursement Unit	\$	743.52
2/28/2020	36488	FRANCHISE TAX BOARD	\$	100.00

Check Register - February 2020

2/28/2020	36489	WageWorks Inc	\$ 1,414.03
1/27/2020	36298	Westrux International, Inc.	\$ 59.45
1/27/2020	36299	Yucaipa Valley Water District	\$ 79.88
			<u>\$ 2,078,645.75</u>
2/4/2020	electronic pmt	CalPERS Health Insurance	\$ 99,260.32
2/14/2020	electronic pmt	DIRECT DEPOSIT TOTAL	\$ 150,884.67
2/14/2020	electronic pmt	CalPERS 457 & Loan	\$ 26,986.66
2/14/2020	electronic pmt	CalPERS Retirement	\$ 31,115.66
2/14/2020	electronic pmt	EDD - State of California	\$ 10,152.90
2/14/2020	electronic pmt	IRS	\$ 58,729.70
2/14/2020	electronic pmt	VOYA 457 Retirement Plan	\$ 5,753.87
2/28/2020	electronic pmt	DIRECT DEPOSIT TOTAL	\$ 143,056.22
2/28/2020	electronic pmt	CalPERS 457 & Loan	\$ 24,568.93
2/28/2020	electronic pmt	CalPERS Retirement	\$ 31,118.02
2/28/2020	electronic pmt	EDD - State of California	\$ 10,314.51
2/28/2020	electronic pmt	IRS	\$ 58,127.19
2/28/2020	electronic pmt	VOYA 457 Retirement Plan	\$ 3,877.16
			<u>\$ 653,945.81</u>

Investment Summary - February 2020

U.S. TREASURIES

Quantity	Description	Cusip	Maturity Date	Yield	Cost of Purchase	Market Value
500,000	US Treasury Bill	912796SV2	June 18, 2020	2.150%	\$ 491,590.83	\$ 525,436.77
500,000	Total Values				\$ 491,590.83	\$ 525,436.77

Money Market Account Activity-Beginning Balance	\$ 28,395.33
7/31/17 - Bond Interest	\$ -
7/31/18 - Dividend/Interest	\$ 1.44
Cusip 912796QM4 Accrued Interest Paid	
Business Account Fee	\$ (125.00)
Income	\$ (123.56)
Intra-Bank Transfers to/from Investment Checking	\$ -
Fund Transfers	\$ -
Cusip Maturity	
Redemptions	\$ -
Cusip Purchase	
Purchases	\$ -
Ending Balance - Money Market	\$ 28,271.77
US Treasury Securities Investment Principal	\$ 491,590.83
Total Assets	\$ 519,862.60

Note: As of 3/3/2020, the updated treasury information for February has not been received. The information above is as of 1/31/20.

Investment Summary - February 2020

LOCAL AGENCY INVESTMENT FUND

PERIOD	TOTAL WITHDRAWAL AMOUNT	TOTAL DEPOSIT AMOUNT	ACCRUED INTEREST (QUARTERLY)	ENDING BALANCE
July 31, 2019	\$ -	\$ -	\$ 56,327.40	\$ 10,343,772.08
August 31, 2019	\$ (2,900,000.00)	\$ -	\$ -	\$ 7,443,772.08
September 30, 2019	\$ -	\$ -	\$ -	\$ 7,443,772.08
October 31, 2019	\$ (1,000,000.00)	\$ -	\$ 54,200.09	\$ 6,497,972.17
November 30, 2019	\$ -	\$ -	\$ -	\$ 6,497,972.17
December 31, 2019	\$ -	\$ -	\$ 38,378.94	\$ 6,536,351.11
January 31, 2020	\$ -	\$ 1,490,000.00	\$ -	\$ 8,026,351.11
February 28, 2020	\$ -	\$ -	\$ -	\$ 8,026,351.11
March 31, 2020	\$ -	\$ -	\$ -	\$ 8,026,351.11
April 30, 2020	\$ -	\$ -	\$ -	\$ 8,026,351.11
May 31, 2020	\$ -	\$ -	\$ -	\$ 8,026,351.11
June 30, 2020	\$ -	\$ -	\$ -	\$ 8,026,351.11

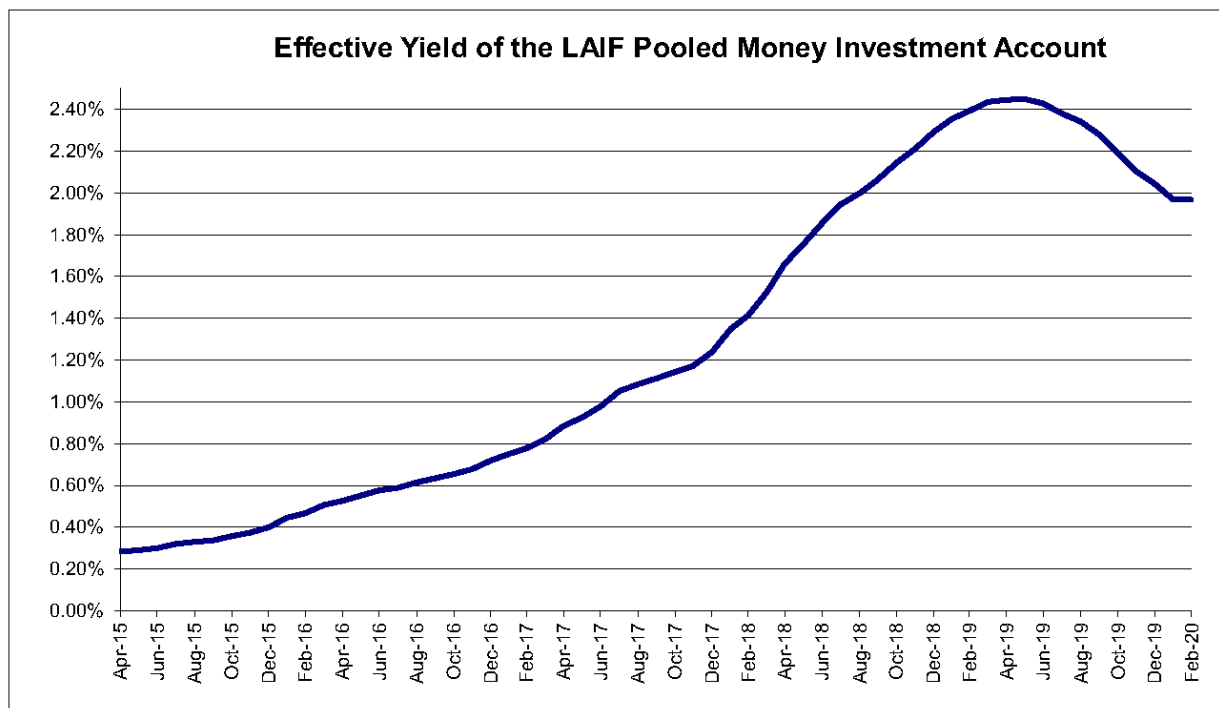
L.A.I.F. INCOME SUMMARY

CURRENT QUARTER FY YEAR-TO-DATE

INCOME RECEIVED

\$ 38,378.94

\$ 148,906.43



FY 2019-20 Water Revenue					
G/L					
ACCOUNT#	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
02-400-40010	Sales-Water & Non Potable	\$ 5,600,000	\$ 407,395	\$ 4,161,769	74.32%
02-400-40011	Sales-Construction Water	\$ 100,000	\$ 1,312	\$ 18,813	18.81%
02-400-40012	Sales-Imported Water-SGPWA	\$ 250,000	\$ 19,950	\$ 189,437	75.77%
02-400-40013	Sales-Imported Water-MUNI	\$ 850,000	\$ 70,656	\$ 582,794	68.56%
02-400-40014	Sales-Disc (Multi Unit) Commdy	\$ (110,000)	\$ (9,887)	\$ (78,831)	71.66%
02-400-40015	Sales-Wholesale Water	\$ 200,000	\$ 7,713	\$ 61,868	30.93%
02-400-40016	Sales-Establish Service Fee	\$ 6,000	\$ 650	\$ 4,300	71.67%
02-400-41000	Sales-Service Demand Charges	\$ 3,500,000	\$ 363,282	\$ 2,380,661	68.02%
02-400-41001	Sales-Fire Srv Standby Fees	\$ 40,000	\$ 5,518	\$ 33,096	82.74%
02-400-41003	Sales-Const Water Minimum Chg	\$ 5,000	\$ -	\$ 1,148	22.97%
02-400-41005	Sales-Disc (Multi Units)-SC	\$ (135,000)	\$ (14,769)	\$ (98,178)	72.72%
02-400-41010	Unauthorized Use of Water Chrg	\$ 2,000	\$ -	\$ -	0.00%
02-400-41110	Meter/Lateral Installation	\$ 100,000	\$ 23,568	\$ 154,768	154.77%
02-400-41112	Fire Flow Test Fees	\$ 4,500	\$ 600	\$ 3,575	79.44%
02-400-41113	Disconnect & Reconnect Fees	\$ 100,000	\$ 3,450	\$ 27,173	27.17%
02-400-41121	Delinquent Payment Charges	\$ 135,000	\$ (282)	\$ 86,676	64.20%
02-400-41124	Bad Debt Write-Off & Recovery	\$ (20,000)	\$ -	\$ -	0.00%
02-421-42122	Revenue - Other, Operating	\$ -	\$ 218	\$ 9,229	N/A
02-421-42123	Admin, Management & Acctg Fees	\$ 210,000	\$ 17,500	\$ 140,000	66.67%
02-430-43010	Interest Earned	\$ 115,000	\$ -	\$ 49,260	42.83%
02-431-43110	Property Tax - Unsecured	\$ 250,000	\$ 410	\$ 117,958	47.18%
02-431-43120	Property Tax - Secured	\$ 3,000,000	\$ 85,519	\$ 1,413,698	47.12%
02-431-43130	Tax Collection - Prior	\$ 45,000	\$ 1,418	\$ 28,652	63.67%
02-431-43140	Taxes - Other	\$ 180,000	\$ 99	\$ 130,992	72.77%
02-491-49110	Rental Income	\$ 3,000	\$ -	\$ -	0.00%
02-491-49150	Revenue - Misc Non-Operating	\$ 45,122	\$ 245	\$ 7,036	15.59%
	WATER OPERATING REVENUE	\$ 14,475,622	\$ 984,563	\$ 9,425,893	65.12%
	Transfer - Reserve Fund	\$ -	\$ -	\$ -	
02-480-48002	Grants	\$ 700,000	\$ -	\$ 436,745	62.39%
02-480-48901	Contrib Cap-Capacity Fees	\$ -	\$ 90,010	\$ 385,636	N/A
02-480-48902	Contrib Cap-Sustainability	\$ -	\$ -	\$ 68,005	N/A
	TOTAL WATER REVENUE	\$ 15,175,622	\$ 1,074,573	\$ 10,316,279	67.98%

NOTE: Plan check & inspection fees to 02-42122

FY 2019-20 Sewer Revenue					
G/L ACCOUNT#	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
03-400-40016	Sales-Establish Service Fee	\$ 500	\$ 50	\$ 100	20.00%
03-400-41000	Sales-Sewer Charges	\$ 12,132,712	\$ 1,235,250	\$ 8,661,180	71.39%
03-400-41005	Sales-Disc (Multi Units)-SC	\$ (200,000)	\$ (22,457)	\$ (158,936)	79.47%
03-400-41110	Meter/Lateral Installation	\$ 15,000	\$ 5,000	\$ 7,500	50.00%
03-400-41121	Penalty - Late Charges	\$ 125,000	\$ 13,980	\$ 107,870	86.30%
03-400-41124	Bad Debt Write-Off & Recovery	\$ (15,000)	\$ -	\$ -	0.00%
03-400-41131	Front Footage Fees	\$ 55,000	\$ 17,500	\$ 25,000	45.45%
03-421-42122	Revenue - Other, Operating	\$ 2,000	\$ 540	\$ 12,656	632.80%
03-430-43010	Interest Earned	\$ 100,000	\$ -	\$ 41,661	41.66%
03-431-43110	Property Tax - Unsecured	\$ -	\$ -	\$ -	-
03-431-43120	Property Tax - Secured	\$ -	\$ -	\$ -	-
03-431-43130	Tax Collection - Prior	\$ -	\$ -	\$ -	-
03-431-43140	Taxes - Other	\$ -	\$ -	\$ -	-
03-491-49150	Revenue - Misc Non-Operating	\$ 1,369,774	\$ -	\$ -	0.00%
	SEWER OPERATING REVENUE	\$ 13,584,986	\$ 1,249,864	\$ 8,697,030	64.02%
03-480-48002	Grants	\$ -	\$ -	\$ -	-
03-480-48901	Contrib Cap-Capacity Fees	\$ -	\$ 207,144	\$ 1,281,733	-
03-480-48905	Contrib Cap-Infrastructure	\$ -	\$ 36,000	\$ 221,025	-
	TOTAL SEWER REVENUE	\$ 13,584,986	\$ 1,493,008	\$ 10,199,789	75.08%

FY 2019-20 Recycled Revenue					
G/L ACCOUNT#	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
04-400-40010	Sales-Water & Non Potable	\$ 663,947	\$ 125,754	\$ 740,643	111.55%
04-400-40011	Sales-Construction Water	\$ 45,000	\$ -	\$ 45	0.10%
04-400-41000	Sales-Service Demand Charges	\$ 90,000	\$ 14,977	\$ 84,449	93.83%
04-400-41003	Sales-Const Water Minimum Chg	\$ 1,000	\$ -	\$ 386	38.64%
04-400-41110	Meter/Lateral Installation	\$ 70,000	\$ 11,304	\$ 66,209	94.58%
04-400-41121	Penalty - Late Charges	\$ 5,000	\$ 602	\$ 4,044	80.88%
04-400-41122	Revenue - Other, Operating	\$ 500	\$ 145	\$ 145	29.09%
04-430-43010	Interest Earned	\$ 25,000	\$ -	\$ 9,258	37.03%
04-431-43110	Property Tax - Unsecured	\$ -	\$ -	\$ -	N/A
04-431-43120	Property Tax - Secured	\$ 400,000	\$ -	\$ 400,000	100.00%
04-431-43130	Tax Collection - Prior	\$ -	\$ -	\$ -	N/A
04-431-43140	Taxes - Other	\$ -	\$ -	\$ -	N/A
04-491-49150	Revenue-Misc Non-Operating	\$ 1,000	\$ -	\$ 28	2.85%
	RECYCLED OPERATING REVENUE	\$ 1,301,447	\$ 152,782	\$ 1,305,209	100.29%
04-480-48002	Grants	\$ -	\$ -	\$ -	N/A
04-480-48901	Contrib Cap-Capacity Fees	\$ -	\$ 132,245	\$ 1,124,465	N/A
	TOTAL RECYCLED REVENUE	\$ 1,301,447	\$ 285,027	\$ 2,429,674	186.69%

FY 2019-20 Water Expenses					
G/L ACCOUNT #	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
02-501-50010	Labor	\$ 1,027,703	\$ 58,180	\$ 540,447	52.59%
02-501-50011	Labor - Credit	\$ -	\$ -	\$ -	N/A
02-501-50013	Benefits-FICA	\$ 73,537	\$ 5,048	\$ 49,133	66.81%
02-501-50014	Benefits-Life Insurance	\$ 6,264	\$ 123	\$ 1,209	19.31%
02-501-50016	Benefits-Health & Def Comp	\$ 211,826	\$ 16,453	\$ 153,190	72.32%
02-501-50017	Benefits-Disability Insurance	\$ 11,004	\$ 927	\$ 9,830	89.33%
02-501-50019	Benefits-Workers Compensation	\$ 23,013	\$ 2,571	\$ 13,780	59.88%
02-501-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
02-501-50022	Benefits-PERS Employer	\$ 173,405	\$ 3,861	\$ 39,008	22.50%
02-501-50023	Benefits-Uniforms	\$ 6,525	\$ 160	\$ 3,362	51.53%
02-501-50024	Benefits-Vacation & Sick Pay	\$ 8,000	\$ 2,517	\$ 49,262	615.77%
02-501-50025	Benefits-Boots	\$ 8,415	\$ -	\$ 2,700	32.09%
02-501-51003	R&M - Structures	\$ 300,000	\$ 30,844	\$ 304,428	101.48%
02-501-51011	R&M - Valves	\$ 20,000	\$ -	\$ 232	1.16%
02-501-51115	Laboratory Supplies	\$ -	\$ -	\$ -	N/A
02-501-51140	General Supplies & Expenses	\$ 3,000	\$ 217	\$ 4,432	147.74%
02-501-51210	Utilities - Power Purchases	\$ 1,300,000	\$ 93,950	\$ 826,709	63.59%
02-501-51211	Utilities - Electricity	\$ 5,000	\$ 315	\$ 2,315	46.30%
02-501-51316	Imported Water Purchases	\$ 1,075,000	\$ 23,389	\$ 565,611	52.62%
02-501-54019	Licenses & Permits	\$ 65,000	\$ 1,735	\$ 52,011	80.02%
02-501-54110	Laboratory Services	\$ 77,500	\$ 2,611	\$ 32,691	42.18%
02-501-57040	YVRWFF-Crystal Creek Exp	\$ 567,431	\$ 12,077	\$ 381,771	67.28%
	WATER RESOURCE TOTALS	\$ 4,962,623	\$ 254,978	\$ 3,032,123	61.10%
02-503-50010	Labor	\$ 1,593,344	\$ 100,708	\$ 950,216	59.64%
02-503-50011	Labor - Credit	\$ -	\$ -	\$ (1,383)	N/A
02-503-50013	Benefits-FICA	\$ 121,891	\$ 9,059	\$ 85,820	70.41%
02-503-50014	Benefits-Life Insurance	\$ 10,440	\$ 271	\$ 2,584	24.75%
02-503-50016	Benefits-Health & Def Comp	\$ 425,106	\$ 36,686	\$ 348,668	82.02%
02-503-50017	Benefits-Disability Insurance	\$ 14,340	\$ 1,643	\$ 14,693	102.46%
02-503-50019	Benefits-Workers Compensation	\$ 43,020	\$ 2,571	\$ 13,997	32.54%
02-503-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
02-503-50022	Benefits-PERS Employer	\$ 239,002	\$ 7,416	\$ 72,110	30.17%
02-503-50023	Benefits-Uniforms	\$ 10,875	\$ 538	\$ 9,710	89.29%
02-503-50024	Benefits-Vacation & Sick Pay	\$ 4,000	\$ 9,400	\$ 95,342	2383.54%
02-503-50025	Benefits-Boots	\$ 32,775	\$ -	\$ 9,000	27.46%
02-503-51001	R&M - Vehicles & Equipment	\$ 207,500	\$ 6,429	\$ 140,407	67.67%
02-503-51011	R&M - Valves	\$ 5,000	\$ -	\$ 1,629	32.57%
02-503-51020	R&M - Pipelines	\$ 200,000	\$ -	\$ 211,242	105.62%
02-503-51021	R&M - Service Lines	\$ 96,000	\$ 150	\$ 29,994	31.24%
02-503-51022	R&M - Fire Hydrants	\$ 50,000	\$ -	\$ 908	1.82%
02-503-51029	Repair & Maintenance-Backflow	\$ 65,000	\$ 1,750	\$ 21,282	32.74%
02-503-51030	R&M - Meters	\$ 30,000	\$ 1,858	\$ 5,860	19.53%
02-503-51031	R&M - Fire Flow Testing	\$ 25,000	\$ -	\$ 14,649	58.60%

FY 2019-20 Water Expenses					
G/L ACCOUNT #	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
02-503-51092	Equipment Credits	\$ -	\$ -	\$ (1,990)	N/A
02-503-51140	General Supplies & Expenses	\$ 3,000	\$ 987	\$ 2,110	70.33%
	PUBLIC WORKS TOTALS	\$ 3,176,293	\$ 179,464	\$ 2,026,847	63.81%
02-506-50010	Labor	\$ 616,295	\$ 44,744	\$ 382,118	62.00%
02-506-50011	Labor - Credit	\$ -	\$ -	\$ -	N/A
02-506-50012	Director Fees	\$ 26,000	\$ 2,278	\$ 16,725	64.33%
02-506-50013	Benefits-FICA	\$ 47,147	\$ 4,324	\$ 33,261	70.55%
02-506-50014	Benefits-Life Insurance	\$ 3,120	\$ 86	\$ 803	25.75%
02-506-50016	Benefits-Health & Def Comp	\$ 130,980	\$ 15,021	\$ 134,096	102.38%
02-506-50017	Benefits-Disability Insurance	\$ 5,547	\$ 691	\$ 6,351	114.50%
02-506-50019	Benefits-Workers Compensation	\$ 16,640	\$ 1,200	\$ 8,676	52.14%
02-506-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	N/A
02-506-50022	Benefits-PERS Employer	\$ 92,444	\$ 3,534	\$ 33,400	36.13%
02-506-50023	Benefits-Uniforms	\$ 3,250	\$ 120	\$ 2,648	81.48%
02-506-50024	Benefits-Vacation & Sick Pay	\$ 10,000	\$ 2,574	\$ 29,569	295.69%
02-506-50025	Benefits-Boots	\$ 1,950	\$ -	\$ 3,300	169.23%
02-506-51003	R&M - Structures	\$ 35,000	\$ 1,577	\$ 28,045	80.13%
02-506-51091	Expense Credits (overhead)	\$ -	\$ -	\$ (766)	N/A
02-506-51120	Safety Equipment & Supplies	\$ 25,000	\$ 940	\$ 5,656	22.63%
02-506-51125	Petroleum Products	\$ 150,000	\$ 2,733	\$ 85,329	56.89%
02-506-51130	Office Supplies & Expenses	\$ 35,000	\$ 2,322	\$ 11,049	31.57%
02-506-51140	General Supplies & Expenses	\$ 40,000	\$ 5,598	\$ 19,658	49.14%
02-506-51199	Disaster Repairs & Incidences	\$ -	\$ -	\$ -	N/A
02-506-51211	Utilities - Electricity	\$ 32,000	\$ 1,976	\$ 20,979	65.56%
02-506-51213	Utilities - Natural Gas	\$ 2,000	\$ -	\$ 1,222	61.08%
02-506-54002	Dues & Subscriptions	\$ 30,000	\$ 150	\$ 15,359	51.20%
02-506-54005	Computer Expenses	\$ 145,000	\$ 4,048	\$ 69,784	48.13%
02-506-54010	Postage	\$ 10,000	\$ 263	\$ 455	4.55%
02-506-54011	Printing & Publications	\$ -	\$ -	\$ 351	N/A
02-506-54012	Education & Training	\$ 20,000	\$ 276	\$ 5,138	25.69%
02-506-54013	Utility Billing Expenses	\$ 185,000	\$ 9,537	\$ 117,515	63.52%
02-506-54014	Public Relations	\$ 31,500	\$ 138	\$ 7,604	24.14%
02-506-54016	Travel Related Expenses	\$ 7,500	\$ 90	\$ 9,847	131.30%
02-506-54017	Certifications & Renewals	\$ 12,000	\$ 245	\$ 5,214	43.45%
02-506-54020	Meeting Related Expenses	\$ 8,000	\$ 505	\$ 5,578	69.72%
02-506-54022	Utilities - YVWD Services	\$ 145,000	\$ 6,473	\$ 49,953	34.45%
02-506-54024	Waste Disposal	\$ 2,700	\$ -	\$ 2,993	110.84%
02-506-54025	Telephone & Internet	\$ 45,000	\$ 2,922	\$ 33,658	74.79%
02-506-54099	Conservation & Rebates	\$ 30,000	\$ -	\$ 750	2.50%
02-506-54104	Contractual Services	\$ 270,000	\$ 8,574	\$ 154,901	57.37%
02-506-54107	Legal	\$ 120,000	\$ -	\$ 73,636	61.36%
02-506-54108	Audit & Accounting	\$ 15,000	\$ -	\$ 11,565	77.10%
02-506-54109	Professional Fees	\$ 217,691	\$ 5,000	\$ 145,570	66.87%
02-506-55500	Depreciation	\$ 1,272,330	\$ 106,028	\$ 848,220	66.67%

FY 2019-20 Water Expenses					
G/L ACCOUNT #	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
02-506-56001	Insurance	\$ 100,000	\$ 12,523	\$ 85,917	85.92%
02-506-57030	Regulatory Compliance	\$ 35,000	\$ 1,768	\$ 24,239	69.26%
02-506-57090	Election Related Expenses	\$ -	\$ -	\$ -	N/A
02-506-57095	Yucaipa SGMA	\$ 10,000	\$ -	\$ 331	3.31%
02-506-57096	Beaumont Basin Watermaster	\$ 40,000	\$ -	\$ 23,498	58.75%
02-506-57097	San Timoteo SGMA	\$ 5,000	\$ -	\$ 6,100	-
02-506-57098	Bunker Hill GSC	\$ 15,000	\$ -	\$ 11,847	-
02-506-57199	Suspense	\$ -	\$ -	\$ -	-
	ADMINISTRATION TOTALS	\$ 4,044,094	\$ 248,258	\$ 2,532,142	62.61%
02-540-57201	Series 2015A Principal	\$ 1,170,000	\$ -	\$ 1,170,000	100.00%
02-540-57402	Interest - Bond Repayment	\$ 1,122,612	\$ 545,713	\$ 1,121,361	99.89%
	40 - Debt	\$ 2,292,612	\$ 545,713	\$ 2,291,361	99.95%
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	\$ 14,475,622	\$ 1,228,413	\$ -	0.00%

FY 2019-20 Sewer Expenses					
G/L ACCOUNT #	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
03-502-50010	Labor	\$ 1,059,129	\$ 88,623	\$ 805,722	76.07%
03-502-50013	Benefits-FICA	\$ 81,023	\$ 7,717	\$ 71,310	88.01%
03-502-50014	Benefits-Life Insurance	\$ 5,592	\$ 174	\$ 1,630	29.15%
03-502-50016	Benefits-Health & Def Comp	\$ 224,598	\$ 25,315	\$ 218,786	97.41%
03-502-50017	Benefits-Disability Insurance	\$ 9,535	\$ 1,393	\$ 12,582	131.95%
03-502-50019	Benefits-Workers Compensatn	\$ 28,596	\$ 2,571	\$ 13,780	48.19%
03-502-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	
03-502-50022	Benefits-PERS Employer	\$ 158,869	\$ 5,798	\$ 55,780	35.11%
03-502-50023	Benefits-Uniforms	\$ 5,825	\$ 245	\$ 4,059	69.69%
03-502-50024	Benefits-Vacation & Sick Pay	\$ 9,000	\$ 3,689	\$ 51,957	577.30%
03-502-50025	Benefits-Boots	\$ 7,995	\$ -	\$ 3,640	45.53%
03-502-51003	R&M - Structures	\$ 350,000	\$ 20,997	\$ 87,992	25.14%
03-502-51010	R&M - Automation Control	\$ 65,000	\$ 4,488	\$ 52,941	81.45%
03-502-51106	Chemicals	\$ 600,000	\$ 34,789	\$ 459,312	76.55%
03-502-51111	Propane	\$ 500	\$ -	\$ 65	12.93%
03-502-51115	Laboratory Supplies	\$ 30,000	\$ 8,086	\$ 32,460	108.20%
03-502-51140	General Supplies & Expenses	\$ 5,000	\$ 432	\$ 4,742	94.84%
03-502-51210	Utilities - Power Purchases	\$ 850,000	\$ 74,116	\$ 641,908	75.52%
03-502-54110	Laboratory Services	\$ 85,000	\$ 4,582	\$ 68,795	80.94%
03-502-57031	Sewage Waste Disposal-Solids	\$ 226,000	\$ 24,025	\$ 181,124	80.14%
03-502-57034	Brineline Operating Expenses	\$ 396,500	\$ 98,817	\$ 235,318	59.35%
	TREATMENT TOTALS	\$ 4,198,162	\$ 405,857	\$ 3,003,902	71.55%
03-506-50010	Labor	\$ 616,295	\$ 38,463	\$ 325,056	52.74%
03-506-50011	Labor - Credit	\$ -	\$ 274	\$ 274	
03-506-50012	Director Fees	\$ 26,000	\$ 2,278	\$ 16,725	64.33%
03-506-50013	Benefits-FICA	\$ 47,147	\$ 3,728	\$ 27,950	59.28%
03-506-50014	Benefits-Life Insurance	\$ 3,120	\$ 75	\$ 715	22.91%
03-506-50016	Benefits-Health & Def Comp	\$ 122,640	\$ 13,753	\$ 119,362	97.33%
03-506-50017	Benefits Disability Insurane	\$ 5,547	\$ 584	\$ 4,865	87.71%
03-506-50019	Benefits-Workers Compensation	\$ 16,640	\$ 1,200	\$ 8,676	52.14%
03-506-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	
03-506-50022	Benefits-PERS Employer	\$ 92,444	\$ 3,166	\$ 29,266	31.66%
03-506-50023	Benefits-Uniforms	\$ 3,250	\$ -	\$ 204	6.29%
03-506-50024	Benefits-Vacation & Sick Pay	\$ 5,000	\$ 2,433	\$ 28,736	574.72%
03-506-50025	Benefits-Boots	\$ 1,950	\$ -	\$ 300	15.38%
03-506-50055	Pension Expense-GASB 68	\$ -	\$ -	\$ -	
03-506-51120	Safety Equipment & Supplies	\$ 9,500	\$ 393	\$ 5,524	58.15%
03-506-51125	Petroleum Products	\$ 24,000	\$ 3,958	\$ 19,232	80.13%
03-506-51130	Office Supplies & Expenses	\$ 7,000	\$ 3,213	\$ 6,856	97.95%
03-506-51140	General Supplies & Expenses	\$ 30,000	\$ 296	\$ 10,799	36.00%
03-506-51199	Disaster Repairs & Incidences	\$ -	\$ -	\$ (13,093)	
03-506-54002	Dues & Subscriptions	\$ 30,000	\$ -	\$ 24,282	80.94%
03-506-54003	Management & Admin Services	\$ 210,000	\$ 17,500	\$ 140,000	66.67%
03-506-54005	Computer Expenses	\$ 120,000	\$ 1,969	\$ 62,563	52.14%
03-506-54011	Printing & Publications	\$ -	\$ -	\$ -	N/A

FY 2019-20 Sewer Expenses					
G/L ACCOUNT #	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
03-506-54012	Education & Training	\$ 20,000	\$ 251	\$ 9,623	48.12%
03-506-54014	Public Relations	\$ 25,000	\$ -	\$ 2,635	10.54%
03-506-54016	Travel Related Expenses	\$ 10,000	\$ 262	\$ 9,537	95.37%
03-506-54017	Certifications & Renewals	\$ 10,000	\$ 178	\$ 3,933	39.33%
03-506-54019	Licenses & Permits	\$ 70,000	\$ -	\$ 75,918	108.45%
03-506-54020	Meeting Related Expenses	\$ 5,000	\$ 387	\$ 5,588	111.75%
03-506-54022	Utilities - YVWD Services	\$ 265,000	\$ 38,072	\$ 264,869	99.95%
03-506-54024	Waste Disposal	\$ 14,000	\$ -	\$ 16,749	119.64%
03-506-54025	Telephone & Internet	\$ 50,000	\$ 4,540	\$ 39,520	79.04%
03-506-54030	Drinking Water	\$ -	\$ -	\$ -	#DIV/0!
03-506-54104	Contractual Services	\$ 46,000	\$ 2,868	\$ 77,856	169.25%
03-506-54107	Legal	\$ 30,000	\$ -	\$ 8,971	29.90%
03-506-54108	Audit & Accounting	\$ 15,000	\$ -	\$ 11,565	77.10%
03-506-54109	Professional Fees	\$ 1,567,274	\$ -	\$ 451,645	28.82%
03-506-55500	Depreciation	\$ 472,982	\$ 39,415	\$ 315,321	66.67%
03-506-56001	Insurance	\$ 130,000	\$ 13,992	\$ 101,801	78.31%
03-506-57030	Regulatory Compliance	\$ 70,000	\$ 884	\$ 56,186	80.27%
	ADMINISTRATION TOTALS	\$ 4,170,789	\$ 194,132	\$ 2,270,011	54.43%
03-507-50010	Labor	\$ 625,069	\$ 38,048	\$ 362,201	57.95%
03-507-50011	Labor - Credit	\$ -	\$ -	\$ -	0.00%
03-507-50013	Benefits-FICA	\$ 47,818	\$ 3,502	\$ 33,072	69.16%
03-507-50014	Benefits-Life Insurance	\$ 3,864	\$ 102	\$ 957	24.76%
03-507-50016	Benefits-Health & Def Comp	\$ 151,662	\$ 13,860	\$ 128,216	84.54%
03-507-50017	Benefits-Disability Insurance	\$ 5,626	\$ 618	\$ 5,928	105.37%
03-507-50019	Benefits-Workers Compensatio	\$ 16,877	\$ 2,571	\$ 13,780	81.65%
03-507-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	
03-507-50022	Benefit-PERS Employer	\$ 93,760	\$ 3,012	\$ 28,978	30.91%
03-507-50023	Benefits-Uniforms	\$ 4,025	\$ 152	\$ 2,569	63.82%
03-507-50024	Benefits-Vacation & Sick Pay	\$ 40,000	\$ 4,386	\$ 40,396	100.99%
03-507-50025	Benefits-Boots	\$ 2,415	\$ -	\$ 600	24.84%
03-507-51003	Sewer Pipeline & Facilities	\$ 250,000	\$ 3,296	\$ 112,370	44.95%
03-507-51140	General Supplies & Expenses	\$ 500	\$ -	\$ 896	179.23%
03-507-51241	Lift Station #1	\$ 52,500	\$ 4,445	\$ 33,570	63.94%
03-507-51242	Lift Station #2	\$ 18,000	\$ 1,364	\$ 10,984	61.02%
03-507-51243	Lift Station #3	\$ 3,200	\$ 141	\$ 3,945	123.30%
03-507-51244	Lift Station #4	\$ 9,500	\$ 981	\$ 16,072	169.18%
03-507-51246	Lift Station #6	\$ 5,000	\$ 359	\$ 3,436	
03-507-51248	Lift Station #8	\$ 2,500	\$ 87	\$ 656	26.22%
03-507-54111	Pretreatment	\$ 50,000	\$ 2,455	\$ 36,211	72.42%
	ENVIRONMENTAL CONTROL TOTAL	\$ 1,382,316	\$ 79,379	\$ 834,837	60.39%
03-540-57202	SRF Principal - WWTP	\$ 2,306,368	\$ -	\$ 2,306,368	100.00%

FY 2019-20 Sewer Expenses					
G/L ACCOUNT #	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
03-540-57203	SRF Principal - Brineline	\$ 447,138	\$ -	\$ 447,138	100.00%
03-540-57204	SRF Principal - Wise	\$ 136,599	\$ 136,599	\$ 136,599	100.00%
03-540-57205	SRF Principal - R 10.3	\$ 40,023	\$ 40,023	\$ 40,023	100.00%
03-540-57206	SRF Principal - Crow St	\$ 15,667	\$ 15,649	\$ 15,649	99.89%
03-540-57403	Interest - Long Term Debt	\$ 887,924	\$ 68,480	\$ 887,917	100.00%
	40 - Debt	\$ 3,833,719	\$ 260,752	\$ 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	\$ 13,584,986	\$ 940,120	\$ 9,942,445	73.19%

FY 2019-20 Recycled Expenses					
G/L ACCOUNT #	DESCRIPTION	BUDGET	Feb '20	Year to Date	%
04-506-50010	Labor	\$ 705,207	\$ 40,408	\$ 361,802	51.30%
04-506-50011	Labor - Credit	\$ -	\$ -	\$ -	
04-506-50012	Director Fees	\$ 5,000	\$ -	\$ -	0.00%
04-506-50013	Benefits-FICA	\$ 53,948	\$ 3,505	\$ 30,858	57.20%
04-506-50014	Benefits-Life Insurance	\$ 3,600	\$ 87	\$ 818	22.72%
04-506-50016	Benefits-Health & Def Comp	\$ 143,004	\$ 12,772	\$ 117,213	81.97%
04-506-50017	Benefits-Disability Insurance	\$ 6,347	\$ 625	\$ 5,543	87.33%
04-506-50019	Benefits-Workers Compensation	\$ 19,041	\$ 1,200	\$ 8,783	46.12%
04-506-50021	Benefits-PERS Employee	\$ -	\$ -	\$ -	
04-506-50022	Benefits-PERS Employer	\$ 105,781	\$ 3,336	\$ 31,781	30.04%
04-506-50023	Benfits-Uniforms	\$ 3,750	\$ 34	\$ 1,540	41.08%
04-506-50024	Benefits-Vacation & Sick Pay	\$ -	\$ 2,969	\$ 36,038	#DIV/0!
04-506-50025	Benefits-Boots	\$ 4,750	\$ -	\$ 1,200	25.26%
04-506-51003	R&M - Structures	\$ 26,519	\$ -	\$ 3,671	13.84%
04-506-51011	R&M - Valves	\$ 500	\$ -	\$ -	0.00%
04-506-51020	R&M - Pipelines	\$ 500	\$ -	\$ 1,324	264.84%
04-506-51021	R&M - Service Lines	\$ 4,000	\$ -	\$ -	0.00%
04-506-51022	R&M - Fire Hydrants	\$ 4,000	\$ -	\$ -	0.00%
04-506-51030	R&M - Meters	\$ 1,500	\$ -	\$ -	0.00%
04-506-51140	General Supplies & Expenses	\$ 7,000	\$ 3	\$ 4,555	65.07%
04-506-51210	Utilities - Power Purchases	\$ 84,500	\$ 9,709	\$ 49,677	58.79%
04-506-54002	Dues & Subscriptions	\$ 3,000	\$ -	\$ 2,895	96.50%
04-506-54005	Computer Expenses	\$ 11,000	\$ -	\$ 8,250	75.00%
04-506-54011	Printing & Publications	\$ -	\$ -	\$ -	N/A
04-506-54012	Education & Training	\$ 3,500	\$ 35	\$ 706	20.17%
04-506-54014	Public Relations	\$ 4,200	\$ -	\$ 540	12.86%
04-506-54016	Travel Related Expenses	\$ 1,000	\$ -	\$ 646	64.59%
04-506-54017	Certifications & Renewals	\$ 500	\$ -	\$ -	0.00%
04-506-54019	Licenses & Permits	\$ 7,500	\$ -	\$ 11,898	158.64%
04-506-54020	Meeting Related Expenses	\$ 1,400	\$ 35	\$ 868	62.03%
04-506-54022	Utilities - YVWD Services	\$ 12,500	\$ -	\$ 3,631	29.05%
04-506-54025	Telephone & Internet	\$ 1,400	\$ 80	\$ 1,118	79.86%
04-506-54104	Contractural Services	\$ 10,000	\$ 462	\$ 9,220	92.20%
04-506-54107	Legal	\$ 500	\$ -	\$ -	0.00%
04-506-54108	Audit & Accounting	\$ 4,000	\$ -	\$ 2,570	64.25%
04-506-54109	Professional Fees	\$ 30,000	\$ -	\$ 12,451	41.50%
04-506-54110	Laboratory Services	\$ -	\$ -	\$ -	
04-506-55500	Depreciation	\$ -	\$ -	\$ -	
04-5-06-56001	Insurance	\$ 25,000	\$ 2,785	\$ 16,689	66.76%
04-5-06-57030	Regulatory Compliance	\$ 6,500	\$ 197	\$ 7,645	117.61%
04-5-06-57040	Environmental Compliance	\$ 500	\$ -	\$ -	0.00%
	TOTAL RECYCLED EXPENSES	\$ 1,301,447	\$ 78,242	\$ 733,929	56.39%



Date: March 31, 2020

From: Jennifer Ares, Water Resource Manager

Prepared by: Overview of the Proposed 2020 Habitat Monitoring Program

Recommendation: That the Board authorize the General Manager to execute a contract with Dudek for the 2020 Habitat Monitoring Program for a sum not to exceed \$52,660.

The Yucaipa Valley Water District began discharging to San Timoteo Creek in 1986 and currently discharges tertiary treated recycled water to the stream system. The riparian vegetation along San Timoteo Creek has been partially supported by the discharge of highly treated recycled water.

In order to maximize the reuse of recycled water, the District was granted a “change of point of discharge” agreement from the State Water Resources Control Board permitting the reduction of the discharge from San Timoteo Creek with definitive mitigation measures. Gradual reductions of the discharge along with an adaptive management plan are required to ensure the vegetation is not negatively impacted due to the reduction of recycled water flow.

The Habitat Monitoring Program for San Timoteo Creek defines the adaptive management plan components for San Timoteo Creek. The monitoring plan consists of vegetation analysis, aerial photography, and groundwater monitoring.

In order to validate the reduction in flow, an annual habitat monitoring program has been in place and reports are prepared each year and submitted to the Resource Agencies. The District is currently in its seventh year of reporting the habitat monitoring program activities. Modifications to the Habitat Monitoring Program are underway as a result of prior studies and results.

Financial Impact

These consulting services were included in the fiscal year 2019-20 budget and will be paid from the Sewer Fund, Professional Services [G/L Account # 03-506-54109].


DUDEK

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February 14, 2020

11888

Jennifer Ares
Yucaipa Valley Water District
12770 Second Street
Yucaipa, California 92399

***Subject: Proposal for 2019-2020 Habitat Monitoring Program Activities,
Groundwater and Surface Water Data Assistance, and Annual Report***

Dear Ms. Ares:

Dudek is pleased to submit this proposal to provide environmental consulting services to support the Yucaipa Valley Water District's Habitat Monitoring Program (HMP) in San Timoteo Creek for the 2019-2020 water year from October 1, 2019 to September 30, 2020 (2020 WY). This scope of work includes: (1) conducting a qualitative monitoring event in Spring 2020, (2) a quantitative vegetation monitoring event in Fall 2020, (3) annual color-infrared imagery collection for the study area and associated analysis, and (4) an analysis of groundwater, surface water and precipitation data collected in the 2020 WY. All data and information collected will be compiled, evaluated and presented in an annual HMP report prepared at the end of the 2020 WY as described in Task 5 below. Dudek will prepare a draft annual HMP report and submit to YVWD by December 15, 2020 for review.

SCOPE OF WORK

Task 1 Spring Qualitative Monitoring

Qualitative monitoring will be conducted in May 2020 and include taking photographs at permanent photo-monitoring stations, recording an inventory of plant species within monitoring stations MS1 and MS3, and conducting a general, qualitative assessment of habitat conditions in the HMP study area. The MS2 site was cleared and graded in March 2018, which caused a significant loss of vegetation and destruction of three observation wells. The MS2 site is no longer a part of the monitoring program.

Ms. Jennifer Ares

Subject: Proposal for WY 2019-2020 Habitat Monitoring Program Activities, Groundwater and Surface Water Data Assistance and Annual Report

Task 2 Fall Vegetation Monitoring

While vegetation transect monitoring is proposed to be phased out under the revised HMP currently in preparation, Dudek recommends continuing the fall vegetation monitoring for MS1 and MS3 until the revised HMP has been reviewed and approved by the EPA and USFWS. Until that time, continuing the vegetation transect monitoring concurrently with the initial implementation of NDVI-based monitoring will allow the District to assess the effectiveness of the proposed remote monitoring methods.

Quantitative vegetation monitoring will be completed in September 2020 for the annual fall vegetation monitoring. The fall vegetation monitoring includes collecting 200 point-intercept data points along established permanent transects at monitoring stations MS1 and MS3, respectively. . In addition to collecting point-intercept data to estimate vegetation cover and compiling an inventory of all plant species observed on site, the fall vegetation monitoring includes collecting photographs at permanent photo-monitoring stations at each monitoring site to document qualitative changes from year to year.

It typically takes one field day for a two-person team to complete the various vegetation monitoring activities at each site. For the 2020 fall vegetation monitoring, the two-person field team will consist of a Dudek biologist with expertise in plant identification and direct experience conducting fall vegetation monitoring under the HMP, and one staff person from the District. This will provide an opportunity for District staff to obtain in-field training on the HMP monitoring methods, with the goal of transitioning the completion of future HMP monitoring activities entirely to District staff.

Task 3 Estimating Annual Riparian Density

The acquisition of aerial imagery and subsequent classification and analysis of riparian vegetation described in this task will only be required if the remote monitoring methods proposed under the revised HMP will not be implemented in the 2019-2020 monitoring year. If the remote monitoring methods proposed in the revised HMP are implemented in the 2019-2020 monitoring year, estimating the annual riparian density in accordance with the HMP will be conducted as part of the new remote monitoring protocol which would be completed under a separate scope of work, if approved.

This task covers acquiring and analyzing color-infrared (CIR) imagery to estimate the annual extent of riparian vegetation in the study area as required under the HMP. This task includes the collection of high resolution (0.5-foot pixel resolution) color-infrared aerial imagery of the HMP

Ms. Jennifer Ares

Subject: Proposal for WY 2019-2020 Habitat Monitoring Program Activities, Groundwater and Surface Water Data Assistance and Annual Report

study area by Central Coast Aerial Mapping, Inc. The flight and imagery specifications will be identical to the 2018 and 2019 collections. The flight is scheduled to occur in September concurrent with the quantitative vegetation monitoring conducted at that time. Collection of high-resolution imagery and processing to provide precise ortho-rectification will ensure consistent application of semi-automated year-to-year imagery analysis.

Quantifying the acreage of riparian vegetation (i.e., riparian density) will be conducted by creating Normalized Difference Vegetation Index (NDVI) layers using available tools in ArcGIS. NDVI is a widely used spectral index based on the differential reflectance that plants exhibit for different parts of the solar radiation spectrum (Fu and Burgher 2015).

Dudek biologists will review the NDVI values and established thresholds for classifying and quantifying the extent of riparian vegetation. Using NDVI values and determining corresponding classifications is a more objective approach to analyzing aerial imagery limiting subjectivity associated with aerial interpretation by individual observers. Dudek uses the NDVI approach to reduce potential inter-annual and inter-observer variability inherent with on-screen interpretation of aerial imagery.

Task 4 Groundwater and Surface Water Data Compilation and Analysis

This task includes compiling and analyzing groundwater level data recorded by dedicated pressure transducers at wells OW-1P, OW-3P, and OW-6A. Wells OW-2P, OW-4A, OW-4B, OW-5A, OW-5B and OW-6B were lost recently to major flooding following large rainfall events, or by grading activities by others that destroyed these wells. Historical information collected at these non-existent wells will be included in the analysis to provide historical context. Hydrographs depicting historical water levels at each existing well will be updated with the 2020 WY data along with daily precipitation data from nearby climatic data stations. This task also includes compiling and analyzing surface water data from YVWD and daily effluent discharges to San Timoteo Creek collected in 2020 WY.

All data will be compiled and organized to evaluate the potential effect of effluent discharge to shallow groundwater levels in the San Timoteo Creek corridor by comparing to baseline data collected since 2012. Included in this task are the costs to renew the annual cellular data plans and HydroVu service provided by In-Situ, Inc. for transmitting data from the individual remote telemetry systems installed at nine wells in the San Timoteo Creek corridor.

Ms. Jennifer Ares

Subject: Proposal for WY 2019-2020 Habitat Monitoring Program Activities, Groundwater and Surface Water Data Assistance and Annual Report

Task 5 HMP Annual Report WY 2019-2020

This task includes preparing the 2020 WY annual monitoring report for the 2019-2020 water year from October 1, 2019 through September 30, 2020. The report will include an assessment of riparian habitat conditions based on photo-monitoring data collected in Spring 2020, quantitative vegetation monitoring data from Fall 2020, and quantifying riparian acreage using CIR imagery collected in Fall 2020. The report will describe the results of the monitoring relative to the adaptive management thresholds identified in the HMP. Observed changes in habitat conditions will be assessed and potential causes of the change will be described.

In addition, the report will document groundwater related information including water levels measured at the observation wells, precipitation data, and effluent discharge data. This section will include a synopsis of the water level data collected during the monitoring period and an analysis of water level fluctuations (both diurnal and seasonal) and possible influences by precipitation and stream flow resulting from storm water runoff or treated wastewater effluent discharges to San Timoteo Creek. The water levels at each location will be compared to the adaptive management thresholds established in the HMP.

Dudek will deliver a draft 2020 WY HMP report to YVWD to review and provide comments by December 20, 2020.

COST SUMMARY

All costs will be billed on a time and materials basis in accordance with our 2020 Standard Schedule of Charges, a copy of which is attached. The cost estimate for this contract amendment to complete Tasks 1-5 as listed in Table 1 below would be **\$52,660.00**. As noted above, Task 3 may not be required if estimating annual riparian density in the study area is completed as part of a separate scope of work.

Table 1 Cost Estimate

Task No.	Task Description	Cost Estimate
1	Spring Qualitative Monitoring	\$2,040.00
2	Fall Vegetation Monitoring	\$4,480.00
3	Estimating Annual Riparian Density	\$5,760.00
4	Groundwater and Surface Water Data Compilation and Analysis	\$13,000.00
5	HMP Annual Report (WY 2019-2020)	\$27,380.00
	Total	\$52,660.00

Ms. Jennifer Ares

Subject: Proposal for WY 2019-2020 Habitat Monitoring Program Activities, Groundwater and Surface Water Data Assistance and Annual Report

Dudek appreciates the opportunity to continue working with the District. The total fee for providing services for the HMP program is \$52,660.

Should you have any questions, please do not hesitate to contact me. I can be reached at 760.479.4128.

Sincerely,



Steven Stuart, PE C79764
Project Manager/Hydrogeologist

att: 2020 Standard Schedule of Charges

**DUDEK
2020 STANDARD SCHEDULE OF CHARGES**

ENGINEERING SERVICES

Project Director	\$290.00/hr
Principal Engineer III	\$270.00/hr
Principal Engineer II	\$260.00/hr
Principal Engineer I	\$250.00/hr
Program Manager	\$235.00/hr
Senior Project Manager	\$235.00/hr
Project Manager	\$230.00/hr
Senior Engineer III	\$225.00/hr
Senior Engineer II	\$215.00/hr
Senior Engineer I	\$205.00/hr
Project Engineer IV/Technician IV	\$195.00/hr
Project Engineer III/Technician III	\$185.00/hr
Project Engineer II/Technician II	\$170.00/hr
Project Engineer I/Technician I	\$155.00/hr
Senior Designer	\$175.00/hr
Designer	\$165.00/hr
Assistant Designer	\$160.00/hr
CADD Operator III	\$155.00/hr
CADD Operator II	\$145.00/hr
CADD Operator I	\$130.00/hr
CADD Drafter	\$120.00/hr
CADD Technician	\$110.00/hr
Project Coordinator	\$135.00/hr
Engineering Assistant	\$115.00/hr

ENVIRONMENTAL SERVICES

Project Director	\$245.00/hr
Senior Specialist IV	\$230.00/hr
Senior Specialist III	\$220.00/hr
Senior Specialist II	\$200.00/hr
Senior Specialist I	\$190.00/hr
Specialist V	\$180.00/hr
Specialist IV	\$170.00/hr
Specialist III	\$160.00/hr
Specialist II	\$145.00/hr
Specialist I	\$130.00/hr
Analyst V	\$120.00/hr
Analyst IV	\$110.00/hr
Analyst III	\$100.00/hr
Analyst II	\$90.00/hr
Analyst I	\$80.00/hr
Technician V	\$100.00/hr
Technician IV	\$90.00/hr
Technician III	\$80.00/hr
Technician II	\$70.00/hr
Technician I	\$60.00/hr
Compliance Monitor	\$95.00/hr

DATA MANAGEMENT SERVICES

GIS Programmer I	\$185.00/hr
GIS Specialist IV	\$160.00/hr
GIS Specialist III	\$150.00/hr
GIS Specialist II	\$140.00/hr
GIS Specialist I	\$130.00/hr
Data Analyst III	\$100.00/hr
Data Analyst II	\$90.00/hr
Data Analyst I	\$80.00/hr
UAS Pilot	\$100.00/hr

CONSTRUCTION MANAGEMENT SERVICES

Principal/Manager	\$195.00/hr
Senior Construction Manager	\$180.00/hr
Senior Project Manager	\$165.00/hr
Construction Manager	\$155.00/hr
Project Manager	\$145.00/hr
Resident Engineer	\$145.00/hr
Construction Engineer	\$140.00/hr
On-site Owner's Representative	\$140.00/hr
Construction Inspector III	\$130.00/hr
Construction Inspector II	\$120.00/hr
Construction Inspector I	\$110.00/hr
Prevailing Wage Inspector	\$135.00/hr

HYDROGEOLOGICAL SERVICES

Project Director	\$285.00/hr
Principal Hydrogeologist/Engineer II	\$265.00/hr
Principal Hydrogeologist/Engineer I	\$250.00/hr
Sr. Hydrogeologist IV/Engineer IV	\$235.00/hr
Sr. Hydrogeologist III/Engineer III	\$220.00/hr
Sr. Hydrogeologist II/Engineer II	\$205.00/hr
Sr. Hydrogeologist I/Engineer I	\$190.00/hr
Hydrogeologist VI/Engineer VI	\$175.00/hr
Hydrogeologist V/Engineer V	\$165.00/hr
Hydrogeologist IV/Engineer IV	\$155.00/hr
Hydrogeologist III/Engineer III	\$145.00/hr
Hydrogeologist II/Engineer II	\$135.00/hr
Hydrogeologist I/Engineer I	\$125.00/hr
Technician	\$100.00/hr

DISTRICT MANAGEMENT & OPERATIONS

District General Manager	\$195.00/hr
District Engineer	\$185.00/hr
Operations Manager	\$160.00/hr
District Secretary/Accountant	\$120.00/hr
Collections System Manager	\$135.00/hr
Grade V Operator	\$125.00/hr
Grade IV Operator	\$110.00/hr
Grade III Operator	\$100.00/hr
Grade II Operator	\$75.00/hr
Grade I Operator	\$70.00/hr
Operator in Training	\$65.00/hr
Collection Maintenance Worker II	\$75.00/hr
Collection Maintenance Worker I	\$65.00/hr

CREATIVE SERVICES

3D Graphic Artist	\$180.00/hr
Graphic Designer IV	\$160.00/hr
Graphic Designer III	\$145.00/hr
Graphic Designer II	\$130.00/hr
Graphic Designer I	\$115.00/hr

PUBLICATIONS SERVICES

Technical Editor III	\$145.00/hr
Technical Editor II	\$130.00/hr
Technical Editor I	\$115.00/hr
Publications Specialist III	\$105.00/hr
Publications Specialist II	\$95.00/hr
Publications Specialist I	\$85.00/hr
Clerical Administration	\$90.00/hr

Forensic Engineering – Court appearances, depositions, and interrogatories as expert witness will be billed at 2.00 times normal rates.

Emergency and Holidays – Minimum charge of two hours will be billed at 1.75 times the normal rate.

Material and Outside Services – Subcontractors, rental of special equipment, special reproductions and blueprinting, outside data processing and computer services, etc., are charged at 1.15 times the direct cost.

Travel Expenses – Mileage at current IRS allowable rates. Per diem where overnight stay is involved is charged at cost.

Invoices, Late Charges – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 30 days from the date of the invoice. Client agrees to pay a monthly late charge equal to 1% per month of the outstanding balance until paid in full.

Annual Increases – Unless identified otherwise, these standard rates will increase 3% annually.

The rates listed above assume prevailing wage rates does not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.



Effective January 1, 2020



Date: March 31, 2020

Prepared By: Jennifer Ares, Water Resource Manager

Subject: Overview of the 2020 Groundwater and Surface Water Monitoring for the Yucaipa Valley Water District's Maximum Benefit Monitoring Program

Recommendation: That the Board authorize the General Manager to execute a contract with Dudek for the 2020 Groundwater and Surface Water Monitoring for a sum not to exceed \$52,338.

Yucaipa Valley Water District is required to conduct extensive monitoring for the Maximum Benefit Program in the San Timoteo and Yucaipa Management Zones pursuant to the Regional Water Quality Control Board (RWQCB) Resolution Nos. R8-2005-0065 and R8-2014-0005.

The following scope of work and fee are based on monitoring requirements included in Resolution No. R8-2014-0005 from the Regional Water Quality Control Board. The monitoring will include groundwater monitoring services at up to fourteen wells in the San Timoteo Management Zone and three wells in the Beaumont Groundwater Management Zone. This will include collecting groundwater quality samples from seven of the wells. Surface water monitoring services at up to four surface water monitoring points in the San Timoteo Management Zone will also be conducted bi-weekly.

All data collected in the field (e.g. groundwater level measurements, surface water flows) will be compiled in a database, along with analytical laboratory results for all water quality samples collected by Dudek. Dudek will manage the data for the San Timoteo Creek, Yucaipa, and Beaumont Management Zones. This includes collecting, reviewing, providing quality control and quality assurance, and compiling all groundwater and surface water data from the three management zones.

The District was under contract with Dudek for the 2019 groundwater and surface water monitoring for the San Timoteo Management Zone and the 2019 Maximum Benefit Report will be submitted to the Regional Water Quality Control Board by April 15, 2020. This current proposal covers the monitoring requirements for the 2020 calendar year.

DUDEK

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January 23, 2020

11889

Jennifer Ares
Water Resource Manager
Yucaipa Valley Water District
12770 Second Street
Yucaipa, CA 92399

Subject: Proposed Scope of Work and Fee to Provide Services in 2020 Related to the Maximum Benefit Monitoring Program for the San Timoteo Management Zone

Dear Ms. Ares:

Dudek is pleased to present this scope of work and fee to provide services in 2020 for the Maximum Benefit Monitoring Program included in the Santa Ana Regional Water Quality Control Board (the Board) Resolutions R8-2005-0065 and R8-2014-0005. Dudek will assist YVWD in collecting groundwater level and groundwater quality data at observation wells in the San Timoteo Management Zone, compile surface water data collected by YVWD staff, and prepare an annual maximum benefits monitoring report. Dudek understands that YVWD will act as the lead agency in managing the Maximum Benefits Monitoring Program for the San Timoteo, Yucaipa and Beaumont Groundwater Management Zones. All Dudek invoices and project management will be coordinated with YVWD.

The following scope of work and fee are based on monitoring requirements included in the Draft Maximum Benefit Monitoring Report 2015 Work Plan (Wildermuth, 2014) that was updated on December 22, 2014 and approved by the Santa Ana Regional Water Quality Control Board on January 6, 2015.

The following scope of work includes:

1. Semi-annual groundwater monitoring services at up to fourteen (14) wells in the San Timoteo Management Zone and three (3) wells in the Beaumont Groundwater Management Zone. This will include collecting groundwater quality samples from nine of the wells and arranging for the samples to be delivered to Clinical Laboratory of San Bernardino, Inc. of Grand Terrace, California for analyses as outlined in the Draft 2015 Work Plan. Water levels will also be manually measured at the wells sampled and designated for water level measurement using a Solinst water level sounder. Water level data measured from dedicated pressure transducers installed at some of the wells and

Ms. Jennifer Ares

Subject: Proposed Scope of Work and Fee to Provide Groundwater and Surface Water Monitoring Services in 2020 for the Maximum Benefits Monitoring Programs

transmitted to the HydroVu database will be downloaded and compiled for inclusion in the annual maximum benefits monitoring report.

2. Bi-weekly surface water monitoring and data collection at up to four (4) surface water monitoring points in the San Timoteo Management Zone will be conducted by YVWD staff. YVWD staff will measure surface water flows and collect water quality samples on a biweekly basis from three of the four monitoring points. YVWD will share the data with Dudek within a week to two weeks of collection. Dudek will update the project database and prepare the annual monitoring report.
3. All data collected in the field (e.g. groundwater level measurements, surface water flows) will be compiled in a database, along with analytical laboratory results for all water quality samples collected by Dudek and YVWD staff.
4. Dudek will act as the Data Manager for the San Timoteo Creek, Yucaipa, and Beaumont Groundwater Management Zones. This includes collecting, reviewing, providing QA/QC, and compiling all groundwater and surface water data from the three management zones.
5. Dudek will prepare a draft 2019 Maximum Benefit Monitoring Program Annual Report to be distributed to Yucaipa Valley Water District and other interested parties by March 27, 2020 for review and comments. Dudek will finalize the draft report for submittal to the Regional Board by April 15, 2020.

SCOPE OF WORK

Task 1. Semi-Annual Groundwater Level and Water Quality Monitoring

Dudek personnel will be tasked with conducting all field work pertaining to the semi-annual groundwater monitoring events. The field work is tentatively scheduled in late April and late October 2020. The following is a list of tasks that will be completed by Dudek:

- In the STGMZ, manually measure depths-to-water (DTW) at wells GWMW-1, GWMW-2, GWMW-3, GWMW-4, GWMW-5A, GWMW-5B, GWMW-5C (if not artesian), OW-1P, OW-3P, OW-6A, and GL-8 using a Solinst electric water level sounder provided by Dudek. The DTW measurements will be measured at 0.01-foot accuracy. The time and date of each DTW measurement, plus the conditions of each well, will be recorded in field forms.
- Water level data will also be downloaded from the In-Situ HydroVu website, which is an online database that receives data from the dedicated remote telemetry systems installed at

Ms. Jennifer Ares

Subject: Proposed Scope of Work and Fee to Provide Groundwater and Surface Water Monitoring Services in 2020 for the Maximum Benefits Monitoring Programs

wells GWMW-1, GWMW-2, GWMW-3, GWMW-4, GWMW-5A, GWMW-5B, OW-1P, OW-3P, and OW-6A. Each remote telemetry system includes an In-Situ Rugged Troll pressure transducer that is programmed to measure and record water levels on an hourly basis. The hourly data will be incorporated into the annual Maximum Benefits Annual Report.

- In the STGMZ, water quality samples will be collected from wells GWMW-2, GWMW-3, GWMW-4, GWMW-5A, GWMW-5B, and GWMW-5C. All wells will be purged using a portable submersible pump and generator provided by YVWD. Wells GWMW-2, GWMW-3, and GWMW-4 will be purged dry and allowed to recover overnight before collecting a representative groundwater sample. Dudek understands that the purge water may be discharged to land at each well location.
- Field parameters pH, temperature, specific conductance and dissolved oxygen will be measured during the purging process to characterize the water quality and identify when the water produced from the well is representative of native groundwater. Dudek will use a multi-parameter device provided by YVWD to measure the water quality parameters. Dudek staff will calibrate the device using calibration standards provided by YVWD at the YVWD wastewater treatment plant. The calibration of the multi-parameter device will be recorded by Dudek staff prior to its use in the field.
- The DTW, field parameters, and volumes purged will be recorded in field sampling forms completed in the field at each well point. The field sampling forms will also include the name of the sampler, the date/time of measurement and sample collection, the estimated volume of water to purge 3 casing volumes, and the actual volume purged. The representative water quality samples will be collected after 3 casing volumes are purged or the field parameters monitoring during purging are stable within 10% of previous measurements.
- Water quality samples will be collected in sampling containers provided by Clinical Laboratory of San Bernardino, Inc., which is a California certified analytical laboratory (ELAP Certificate No. 1088). All sample containers will be labeled with the date/time of sample collection, the well ID, identification of the preservative (if any) in the container, and the name of the sampler. A chain-of-custody form will be completed as each sample is collected and submitted with the samples to Clinical Laboratory of San Bernardino, Inc. The analytical laboratory will analyze each sample per Table 2-4 of the Draft 2015 Work Plan, which includes the following constituents:

Ms. Jennifer Ares

Subject: Proposed Scope of Work and Fee to Provide Groundwater and Surface Water Monitoring Services in 2020 for the Maximum Benefits Monitoring Programs

- Total Dissolved Solids
 - Specific conductance
 - Nitrate-Nitrogen or Nitrate as nitrogen
 - Nitrite-Nitrogen or Nitrite as nitrogen
 - Total Inorganic Nitrogen
 - pH
 - Total alkalinity (as CaCO3)
 - Carbonate, bicarbonate and hydroxide
 - Silica (as SiO2)
 - Inorganic cations Ca, Mg, K, and Na
 - Inorganic anions Cl, F, SO4.
- All water quality samples will stored in an ice-chest with ice during the sampling event. The samples will be delivered to Clinical Laboratory of San Bernardino on ice.
 - This task includes labor hours to compile all data collected during the groundwater monitoring events and update the project database, water level and water quality hydrographs, and plan view maps.
 - Data collected for the Maximum Benefits Monitoring Program will also be incorporated into the central Data Management System that Dudek is currently developing for YVWD.

The fee for conducting the groundwater monitoring events also includes direct costs that include a Meals & Incidentals (M&I) rate of \$61 during the groundwater monitoring tasks, hotel accomodations for one night at \$107/night, and daily rates for the use of a vehicle (\$65/day), water level sounder (\$25/day) and supplies (\$50/day). The M&I and hotel accommodation rates were based on the United States General Services Administration that defined these rates for San Bernardino County for Fiscal Year 2020 (visit gsa.gov website).

Cost for Task 1\$18,058

Task 2. Bi-Weekly Surface Water Monitoring

Dudek understands that YVWD personnel will conduct all field work pertaining to the bi-weekly surface water monitoring events. The draft work plan also calls for a minimum of surface water sampling following 6 storm events. YVWD staff will share the surface water data collected in the field with Dudek within a week or two of collection. The following outlines the tasks that will be performed by YVWD staff when conducting the bi-weekly surface water monitoring events:

Ms. Jennifer Ares

Subject: Proposed Scope of Work and Fee to Provide Groundwater and Surface Water Monitoring Services in 2020 for the Maximum Benefits Monitoring Programs

- In the STGMZ, measure surface water flow using a current meter at the following surface water monitoring stations: YVWD-A, YVWD-B, and YVWD-Z in the San Timoteo Management Zone. Surface water flow will be calculated using the Velocity-Area Method described in *Discharge Measurements at Gaging Stations* by the USGS (Turnispeed et al., 2010).
- A multi-parameter water quality device will be used in the field to measure temperature, pH, electrical conductivity, and dissolved oxygen of the surface water. These parameters will be recorded in a field sampling form completed for each station by YVWD staff.
- Water quality samples will be collected in containers provided by Clinical Laboratory of San Bernardino, labeled with the data/time of sample collection, the surface water monitoring site ID, identification of the preservative (if any) in the container, and the name of the sampler. A chain-of-custody form will be completed as each sample is collected and submitted with the samples to the analytical laboratory. Each surface water sample will be analyzed for constituents listed in Table 3-1 of the Draft 2015 Work Plan, which include the constituents required for groundwater plus ammonia as nitrogen. Silica will not be analyzed for in the surface water samples.
- Water quality samples will also be collected at YVWD-E and YVWD-Z by YVWD staff following up to 6 storm events. The storm water event samples will be analyzed for the same parameters required with the biweekly samples.
- All water quality samples will stored in an ice-chest with ice during the sampling event. The samples will be delivered to Clinical Laboratory of San Bernardino, Inc. on ice.
- This task includes labor hours to compile all data collected by YVWD staff during the surface water monitoring events and update the GIS database, water quality hydrographs, and plan view maps.

Cost for Task 2 **\$3,480**

Task 3. 2019 Maximum Benefit Annual Report

Dudek will prepare the 2019 Maximum Benefit Annual Report, which will summarize the work performed and data collection from January 1 to December 31, 2019. The report will include a review of data collected and present the data in graphical form using water level and water quality hydrographs. Copies of all analytical laboratory reports, field forms, and calibration forms will be included in appendices to the report. As part of the preparation in drafting the report, Dudek will act as the data manager to collect, review, QA/QC, and process all groundwater and surface water

Ms. Jennifer Ares

Subject: Proposed Scope of Work and Fee to Provide Groundwater and Surface Water Monitoring Services in 2020 for the Maximum Benefits Monitoring Programs

data collected in the Yucaipa, San Timoteo Creek, and Beaumont Management Zones. This will include updating and maintaining one central database the will include all data.

A first draft of the report will be submitted to YVWD and other maximum benefit participants by March 27, 2020 to review and provide comments and suggested edits. Dudek will then address these comments and finalize the report for distribution to the Santa Ana Regional Water Quality Control Board by April 15, 2020. The report will include a summary of compliance with each of the maximum benefit commitments outlined in the Draft 2015 Work Plan.

Cost for Task 3\$21,300

Task 4. Project Management and QA/QC

This task includes labor hours for the project manager, Steven Stuart, PE, to coordinate with YVWD staff and other participants, to plan project logistics for field sampling, data compilation, and provide QA/QC of all documented work and data collected in the three management zones. This also includes labor hours to participate in conference calls and meetings with YVWD.

Cost for Task 4\$9,500

FEE SUMMARY

The fee presented in this proposal will be charged on a time and materials basis in accordance with Dudek’s 2020 Standard Schedule of Charges (see attached). Dudek will complete the tasks described above on a time-and-materials basis, not to exceed \$52,338.

The time and materials fee provided in this proposal represents an estimate of the anticipated level of effort required to complete the tasks described in the proposal. Should the actual effort required to complete the tasks be less than anticipated, the amount billed will be less than the total fee. Conversely, should the actual effort to complete the proposed tasks be greater than anticipated, additional fee authorizations will be requested. No work in excess of the proposed fee or outside of the proposed scope of work will be performed without written authorization from Yucaipa Valley Water District.

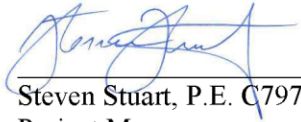
TOTAL COST.....\$52,338

Ms. Jennifer Ares

Subject: Proposed Scope of Work and Fee to Provide Groundwater and Surface Water Monitoring Services in 2020 for the Maximum Benefits Monitoring Programs

Please call me at (760) 479-4128 if you have any questions or require further discussion.

Sincerely,



Steven Stuart, P.E. C79764
Project Manager

*Att.: Table 1. Fee to Conduct Groundwater and Surface Water Monitoring Services in 2020
2020 Dudek Standard Schedule of Charges*

References:

Turnispeed, D.P., and Sauer, V.B., 2010, Discharge measurements at gaging stations: U.S. Geological Survey Techniques and Methods book 3, chap. A8, 87 p.

Wildermuth Environmental, Inc., 2014. Maximum Benefit Monitoring Report 2015 Work Plan Draft. Prepared for City of Beaumont, Yucaipa Valley Water District, San Gorgonio Pass Water Agency, Beaumont Cherry Valley Water District, City of Banning. September 30, 2014. Updated December 22, 2014.

AUTHORIZATION TO PROCEED
for
**Scope of Work for Services Provided for Groundwater and Surface Water
 Monitoring per Maximum Benefits Monitoring Programs in 2020**

The proposed scope of work and fee presented herein is acceptable and Dudek is hereby authorized to proceed with the proposed scope of services.

Authorized by: _____
 (Signature)

 Name (typed or printed)

For: Yucaipa Valley Water District

 Date

Yucaipa Valley Water District
Services Provided for the 2020 Maximum Benefits Monitoring Program
DUDEK FEE SCHEDULE

Task #	Project Team Role: Team Member: Billable Rate :	Principal Hydrogeologist/ Project Manager				Publications	TOTAL HOURS	DUDEK LABOR COST	OTHER DIRECT COSTS ¹	TOTAL FEE
		Hydrogeologist IV Christian Hunter \$155	Hydrogeologist I Marcelo Azevedo \$125							
1	Semi-Annual Groundwater Level and Quality Sampling	10	68	32		110	\$ 17,040	\$ 1,018	\$ 18,058	
2	Bi-Weekly Surface Water Monitoring	4	16			20	\$ 3,480	\$ -	\$ 3,480	
3	Maximum Benefit Annual Report	50	50		10	110	\$ 21,300		\$ 21,300	
4	Project Management and QA/QC	38				38	\$ 9,500		\$ 9,500	
Total Hours and Fee		102	134	32	10	278	\$ 51,320	\$ 1,018	\$ 52,338	

Percent of Hours: 37% 48% 12% 4% 100%

1) Direct costs include administration, reproduction of reports and transportation/lodging costs for site inspection and interviews.

**DUDEK
2020 STANDARD SCHEDULE OF CHARGES**

ENGINEERING SERVICES

Project Director	\$290.00/hr
Principal Engineer III	\$270.00/hr
Principal Engineer II	\$260.00/hr
Principal Engineer I	\$250.00/hr
Program Manager	\$235.00/hr
Senior Project Manager	\$235.00/hr
Project Manager	\$230.00/hr
Senior Engineer III	\$225.00/hr
Senior Engineer II	\$215.00/hr
Senior Engineer I	\$205.00/hr
Project Engineer IV/Technician IV	\$195.00/hr
Project Engineer III/Technician III	\$185.00/hr
Project Engineer II/Technician II	\$170.00/hr
Project Engineer I/Technician I	\$155.00/hr
Senior Designer	\$175.00/hr
Designer	\$165.00/hr
Assistant Designer	\$160.00/hr
CADD Operator III	\$155.00/hr
CADD Operator II	\$145.00/hr
CADD Operator I	\$130.00/hr
CADD Drafter	\$120.00/hr
CADD Technician	\$110.00/hr
Project Coordinator	\$135.00/hr
Engineering Assistant	\$115.00/hr

ENVIRONMENTAL SERVICES

Project Director	\$245.00/hr
Senior Specialist IV	\$230.00/hr
Senior Specialist III	\$220.00/hr
Senior Specialist II	\$200.00/hr
Senior Specialist I	\$190.00/hr
Specialist V	\$180.00/hr
Specialist IV	\$170.00/hr
Specialist III	\$160.00/hr
Specialist II	\$145.00/hr
Specialist I	\$130.00/hr
Analyst V	\$120.00/hr
Analyst IV	\$110.00/hr
Analyst III	\$100.00/hr
Analyst II	\$90.00/hr
Analyst I	\$80.00/hr
Technician V	\$100.00/hr
Technician IV	\$90.00/hr
Technician III	\$80.00/hr
Technician II	\$70.00/hr
Technician I	\$60.00/hr
Compliance Monitor	\$95.00/hr

DATA MANAGEMENT SERVICES

GIS Programmer I	\$185.00/hr
GIS Specialist IV	\$160.00/hr
GIS Specialist III	\$150.00/hr
GIS Specialist II	\$140.00/hr
GIS Specialist I	\$130.00/hr
Data Analyst III	\$100.00/hr
Data Analyst II	\$90.00/hr
Data Analyst I	\$80.00/hr
UAS Pilot	\$100.00/hr

CONSTRUCTION MANAGEMENT SERVICES

Principal/Manager	\$195.00/hr
Senior Construction Manager	\$180.00/hr
Senior Project Manager	\$165.00/hr
Construction Manager	\$155.00/hr
Project Manager	\$145.00/hr
Resident Engineer	\$145.00/hr
Construction Engineer	\$140.00/hr
On-site Owner's Representative	\$140.00/hr
Construction Inspector III	\$130.00/hr
Construction Inspector II	\$120.00/hr
Construction Inspector I	\$110.00/hr
Prevailing Wage Inspector	\$135.00/hr

HYDROGEOLOGICAL SERVICES

Project Director	\$285.00/hr
Principal Hydrogeologist/Engineer II	\$265.00/hr
Principal Hydrogeologist/Engineer I	\$250.00/hr
Sr. Hydrogeologist IV/Engineer IV	\$235.00/hr
Sr. Hydrogeologist III/Engineer III	\$220.00/hr
Sr. Hydrogeologist II/Engineer II	\$205.00/hr
Sr. Hydrogeologist I/Engineer I	\$190.00/hr
Hydrogeologist VI/Engineer VI	\$175.00/hr
Hydrogeologist V/Engineer V	\$165.00/hr
Hydrogeologist IV/Engineer IV	\$155.00/hr
Hydrogeologist III/Engineer III	\$145.00/hr
Hydrogeologist II/Engineer II	\$135.00/hr
Hydrogeologist I/Engineer I	\$125.00/hr
Technician	\$100.00/hr

DISTRICT MANAGEMENT & OPERATIONS

District General Manager	\$195.00/hr
District Engineer	\$185.00/hr
Operations Manager	\$160.00/hr
District Secretary/Accountant	\$120.00/hr
Collections System Manager	\$135.00/hr
Grade V Operator	\$125.00/hr
Grade IV Operator	\$110.00/hr
Grade III Operator	\$100.00/hr
Grade II Operator	\$75.00/hr
Grade I Operator	\$70.00/hr
Operator in Training	\$65.00/hr
Collection Maintenance Worker II	\$75.00/hr
Collection Maintenance Worker I	\$65.00/hr

CREATIVE SERVICES

3D Graphic Artist	\$180.00/hr
Graphic Designer IV	\$160.00/hr
Graphic Designer III	\$145.00/hr
Graphic Designer II	\$130.00/hr
Graphic Designer I	\$115.00/hr

PUBLICATIONS SERVICES

Technical Editor III	\$145.00/hr
Technical Editor II	\$130.00/hr
Technical Editor I	\$115.00/hr
Publications Specialist III	\$105.00/hr
Publications Specialist II	\$95.00/hr
Publications Specialist I	\$85.00/hr
Clerical Administration	\$90.00/hr

Forensic Engineering – Court appearances, depositions, and interrogatories as expert witness will be billed at 2.00 times normal rates.

Emergency and Holidays – Minimum charge of two hours will be billed at 1.75 times the normal rate.

Material and Outside Services – Subcontractors, rental of special equipment, special reproductions and blueprinting, outside data processing and computer services, etc., are charged at 1.15 times the direct cost.

Travel Expenses – Mileage at current IRS allowable rates. Per diem where overnight stay is involved is charged at cost.

Invoices, Late Charges – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 30 days from the date of the invoice. Client agrees to pay a monthly late charge equal to 1% per month of the outstanding balance until paid in full.

Annual Increases – Unless identified otherwise, these standard rates will increase 3% annually.

The rates listed above assume prevailing wage rates does not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.



Date: March 31, 2020

Prepared By: Madeline Blua, Water Resource Specialist
Jennifer Ares, Water Resource Manager

Subject: Consideration of Amendment No. 1 to the Geoscience Contract for the Preliminary Design of Groundwater Monitoring Wells in the San Timoteo Management Zone

Recommendation: That the Board ratify the additional preliminary design costs for the San Timoteo Management Zone monitoring wells for a sum not to exceed \$7,500.

On August 20, 2019 the Board approved a contract with Geoscience [Direct Memorandum 19-076] authorizing the District to install Monitoring Wells in the District’s groundwater management area of the San Timoteo Subbasin.

Since the onset of the project, the planned locations of the monitoring wells were changed which resulted in additional consultant hours and fees.

The original bid included project meetings, hydrogeologic data review, technical plans, and bidding assistance. The change order includes costs associated with the additional site visit and review of the hydrogeology and accessibility of the new sites. The attached change order is in the amount of \$3,750, but the \$7,500 is requested in anticipation of additional tasks needed prior to drilling.

After review and consideration, District staff is requesting to ratify the approval of the change order for the additional time spent by the consultant for the total amount of \$32,056.

	Contract Changes	Contract Amount	Percentage Change from Original Bid Amount	Reference
Original Bid Amount	--	\$24,556	--	DM 19-076
Change Order No. 1	\$7,500	\$32,056	30.54% increase	DM 20-039

Financial Impact

This change order is paid for by the Water Fund, Professional Services, [G/L Account # 02-506-54109].

GEOSCIENCE

The First Name in Groundwater

Jan 9, 2020

Ms. Madeline Blua
Water Resource Specialist
Yucaipa Valley Water District
12770 Second Street
Yucaipa, CA 92399

Re: Request for Change Order for Geohydrologic Consulting Services for the Preliminary Design and Technical Plans and Specifications for Two (2) Dual-Level Nested Monitoring Wells in San Timoteo Canyon, Calimesa, California (Change Order No. 1 – Specifically Related to Extra Work)

Dear Madeline:

GEOSCIENCE is hereby requesting a change order for extra work being conducted as part of geohydrologic consulting services for the preliminary design and development of technical plans and specifications for two (2) dual-level nested monitoring wells in San Timoteo Canyon, Calimesa, California. A summary of the extra hours, corresponding tasks, and costs are presented in Table 1. Following are the Task Numbers and description of extra work to be completed by GEOSCIENCE.

Additional Costs to Previous Task

Task 1.1 Project Management and Meetings

Geoscience will conduct an additional Site inspection of two (2) revised proposed well sites. We assume both sites will be visited the same day. GEOSCIENCE will inspect the proposed drilling sites to identify and assess any logistical issues that may need to be addressed. Potential issues include site access, available space for drilling, overhead obstructions, above ground and underground utilities, location of water source, potential discharge options, and noise constraints.

Additional Task

Task 1.2: Monitoring Well Siting Support

GEOSCIENCE is helping YVWD select revised monitoring well sites prior to preparation of the Technical Plans and Specifications. The extra work involves review of potential sites with regard to:

- Hydrogeology
- Land Availability
- Accessibility
- YVWD Requirements

PO Box 220 Claremont, CA 91711
t. 909.451.6650
f. 909.451.6638
www.gssiwater.com

Request for Change Order for Geohydrologic Consulting Services for the Preliminary Design and Technical Plans and Specifications for Two (2) Dual-Level Nested Monitoring Wells in the San Timoteo Canyon, Calimesa, California

9-Jan-20

Our cost proposal for this extra scope of work is \$3,750 as detailed in the attached table. Thank you for the opportunity to submit this proposal.

If you have any questions, please contact us at (909) 451-6650.

Sincerely,



Brian Villalobos, PG, CEG, CHG
Senior Geohydrologist



Adam Norris, PG, CHG
Project Geohydrologist

Change Order No. 1 for Geohydrologic Consulting Services for the Preliminary Design and Technical Plans and Specifications for Two (2) Dual-Level Nested Monitoring Wells in San Timoteo Canyon, Calimesa, California
 (Change Order Specifically for Additional GEOSCIENCE Work Related to Monitoring Wells)

Task Description	GEOSCIENCE SUPPORT SERVICES, INC.							Reimbursable Expenses ¹	Labor	Total Cost
	Principal Geohydrologist	Senior Geohydrologist	Project Geohydrologist	Staff Geohydrologist	CAD/GIS	Clerical	Hourly Rate:			
1.0 PROJECT MANAGEMENT AND COORDINATION							\$100			
1.1 Project Management and Meetings (Additional Costs to Previous Task)			8				\$119		\$ 1,400	\$ 1,500
1.2 Monitoring Well Siting Support (Additional Task)	2		10				\$150		\$ 2,250	\$ 2,250
Subtotal	2	0	18	0	0	0			\$ 3,650	\$ 3,750
TOTAL CHANGE ORDER NO. 1 HOURS AND COST:	2	0	18	0	0	0			\$ 3,650	\$ 3,750

Notes:
¹ Reimbursable expenses include mileage and report reproduction costs.



Date: March 31, 2020

Prepared By: Mike Kostelecky, Operations Manager

Subject: Status Report of the Replacement of Microfiltration Modules at the Yucaipa Valley Regional Water Filtration Facility

Recommendation: Staff Presentation - No Action Required.

On August 20, 2019, the Board of Directors authorized the purchase of replacement Pall modules for the Yucaipa Valley Regional Water Filtration Facility [Director Memorandum No. 19-080].

Upon re-starting the plant after the scheduled annual maintenance shutdown in December 2019 through February 2020, this effort was spread over four workdays and was completed on March 19, 2020.

The purpose of this agenda item is to provide an update on the membrane replacement project.





Date: March 31, 2020

Prepared By: Mike Kostelecky, Operations Manager

Subject: Consideration of Change Order Nos. 3 and 4 for the Forsta Filter Strainer Upgrades and Drain Modifications at the Yucaipa Valley Regional Water Filtration Facility

Recommendation: That the Board approve Change Order Nos. 3 and 4 for a sum not to exceed \$5,139.

On September 3, 2019, the Board of Directors authorized the purchase and installation of three Forsta strainers [Director Memorandum No. 19-098] for an equipment of \$155,907.50 and an installation cost of \$170,046 for a total amount not to exceed \$338,100.



On December 17, 2019, the Board of Directors authorized Change Order No. 1 for the installation of four new isolation valves [Director Memorandum No. 19-137] for a sum not to exceed \$17,069.

On January 21, 2020, the Board of Directors authorized Change Order No. 2 for the Microfiltration drain piping modification with Pascal & Ludwig [Director Memorandum No. 20-004] for a sum not to exceed \$9,968. This work was completed on February 11, 2020.

The drain piping for all three new strainers had to be modified due to the multiple 90° bends needed to plumb the drainage header under the grating to the existing floor drain which would impact the cleanings of each filter due to back pressure. This resulted in an additional cost of \$918 (Change Order No. 3).



Additionally, the strainers required high-pressure air to assist in the operation of each which resulted in an additional cost of \$4,221 (Change Order No. 4).

	Contract Changes	Contract Amount	Percentage Change from Original Bid Amount	Reference
Original Bid Amount		\$170,046	--	DM 19-098
Change Order No. 1	\$17,069	\$187,115	10.04% increase	DM 19-137
Change Order No. 2	\$9,968	\$197,083	15.90% increase	DM 20-004
Change Order No. 3	\$918	\$198,001	16.44% increase	DM 20-041
Change Order No. 4	\$4,221	\$202,222	18.92% increase	DM 20-041

The purpose of this agenda item is to provide an update for the completion of the project identified and request for your consideration to ratify Change Order Nos. 3 and 4 with Pascal & Ludwig in the amount not to exceed \$5,139. This project is funded by the Water Fund, Infrastructure Reserves [G/L Account #02-000-10311].

PASCAL & LUDWIG CONSTRUCTORS

2049 EAST FRANCIS STREET
ONTARIO, CALIFORNIA 91761



TELEPHONE:
(909) 947-4631
FAX: (909) 947-4722

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March 13, 2020

Yucaipa Valley Water District
12770 Second Street
Yucaipa, CA 92399

Attention: Mike Kostelecky

Reference: MF Auto Strainer

Subject: 1" Air Supply Lines

Dear Mike:

Per your request, Pascal & Ludwig has completed the time and material work to install the 1" air lines to the new filters. Please see the attached Daily Record of Extra Work, Summary of Extra Work and material invoices indicating a total of \$4,221 and let us know if you require any additional information.

Please contact me if you have any question or require any additional information.

Respectfully,

PASCAL & LUDWIG CONSTRUCTORS

Scott Floyd
Scott Floyd
Project Manager

Enclosure: as indicated

PASCAL & LUDWIG CONSTRUCTORS
 2049 EAST FRANCIS STREET
 ONTARIO, CALIFORNIA 91761

TELEPHONE
 (909) 947-4631

SUMMARY - EXTRA WORK



WORK PERFORMED FOR:

YUCAIPA VALLEY WATER DISTRICT
 12770 SECOND STREET
 YUCAIPA, CA 92399

3/11/20

Attention: Mike Kostelecky

JOB LOCATION:

MF Auto Strainer
 Installation of Copper 1" Airline

TIME PERIOD FOR 5-Mar-20
 EXTRA WORK THRU
 PERFORMED: 6-Mar-20

JOB NUMBER: 3213

DATE	DESCRIPTION	LABOR	SUB	EQUIPMENT	MATERIAL	TOTALS
3/5/20	Install Copper 1" Airline	\$808.08	\$0.00	\$177.60	\$0.00	\$985.68
3/6/20	Install Copper 1" Airline	\$1,203.54	\$0.00	\$177.60	\$1,150.30	\$2,531.44
SUBTOTAL		\$2,011.62	\$0.00	\$355.20	\$1,150.30	\$3,517.12
OVERHEAD & MARKUP @ 20%						\$703
TOTAL						\$4,221

PASCAL & LUDWIG CONSTRUCTORS
2049 EAST FRANCIS STREET
ONTARIO, CALIFORNIA 91761

TELEPHONE
(909) 947-4631



INVOICE

INVOICE NO. 20014

TO: YUCAIPA VALLEY WATER DISTRICT
12770 SECOND STREET
YUCAIPA, CA 92399

DATE 3/20/20

ATTENTION: MIKE KOSTELECKY

OUR JOB NO. 3214

PROJECT: MF AUTO STRAINER
PERIOD ENDING: 2/1/20 - 3/20/20
PAY ESTIMATE: #2
REVISED CONTRACT AMT \$202,222.00

COMPLETED TO DATE	\$202,222.00
LESS RETENTION	\$0.00
SUBTOTAL	\$202,222.00
LESS PREVIOUS BILLINGS	\$109,260.00
TOTAL DUE THIS BILLING	\$92,962.00

PASCAL & LUDWIG CONSTRUCTORS
 2049 E. Francis Street
 Ontario, CA 91761

DATE: 3/19/20
PERIOD ENDING 3/20/20
PROGRESS PAYMENT #2

PROJECT NAME: YUCAIPA WATER PLANT - 18" FILTERS PROJECT

ITEM #	DESCRIPTION	Original Contract				Total Previous Billing		Current Billing		Total Billed to Date	
		Quantity	Unit	Unit Price	Value	Quantity	Amount	Quantity	Amount	Quantity	Amount
1.0	Construct Water Plant 18" Filters										
1.1	Field Measurements	1	LS	\$1,920	\$1,920	100.00%	1,920.00	0.00%	0.00	100.00%	1,920.00
1.2	Demo 2 Existing Filters & Piping	1	LS	\$7,500	\$9,180	0.00%	0.00	100.00%	9,180.00	100.00%	9,180.00
1.3	Modify Grating	1	LS	\$900	\$900	0.00%	0.00	100.00%	900.00	100.00%	900.00
1.4	Install 3 New Filters, Piping & Valves	1	LS	#####	\$128,515	89.20%	88,924.84	30.80%	39,590.16	100.00%	128,515.00
1.5	Electrical	1	LS	\$22,200	\$22,200	0.00%	0.00	100.00%	22,200.00	100.00%	22,200.00
1.6	Paint	1	LS	\$5,411	\$5,411	0.00%	0.00	100.00%	5,411.00	100.00%	5,411.00
1.7	Startup & Testing	1	LS	\$1,920	\$1,920	0.00%	0.00	100.00%	1,920.00	100.00%	1,920.00
	CONTRACT AMOUNT				\$170,046		\$90,845		\$79,201		\$170,046
	Change Orders										
1	Provide 4 Additional 18" Butterfly Valves	1	LS	\$17,069	\$17,069	100.00%	17,069.00	0.00%	0.00	100.00%	17,069.00
2	6" CIP Drain Mods	1	LS	\$9,968	\$9,968	13.50%	1,345.68	86.50%	8,622.32	100.00%	9,968.00
3	2-1/2" Drain Connection	1	LS	\$918	\$918	0.00%	0.00	100.00%	918.00	100.00%	918.00
4	1" Air Supply	1	LS	\$4,221	\$4,221	0.00%	0.00	100.00%	4,221.00	100.00%	4,221.00
	TOTAL CHANGE ORDERS				\$32,176		\$18,415		\$13,761		\$32,176
	REVISED CONTRACT AMOUNT				202,222	54.03%	109,260	45.97%	92,962	100.00%	202,222
	COMPLETED TO DATE										202,222
	LESS RETENTION										0
	SUBTOTAL										202,222
	LESS PREVIOUS ESTIMATES										109,260
	TOTAL DUE THIS ESTIMATE										92,962



Date: March 31, 2020

Prepared By: Mike Kostelecky, Operations Manager

Subject: Ratification of the Replacement Dissolved Air Floatation (DAF) Recirculation Pumps and Motors at the Yucaipa Valley Regional Water Filtration Facility

Recommendation: That the Board ratify Change Order No. 1 for the DAF motors and pumps for a sum not to exceed \$3,735.08.

The existing Dissolved Air Floatation (DAF) motors were originally installed with stamped feet that were integrated within the motor housing. As a result of this design, a dozen motor to pump couplings have been replaced due to the movement of the motors.



On January 21, 2020, the Board of Directors authorized the replacement of the Dissolved Air Floatation pumps and motors [Director Memorandum No. 20-006] for a sum not to exceed \$13,775.

Change Order No. 1 in the amount of \$3,735.08 is for the installation cost of the new equipment which was not included in the original bid. The installation cost as anticipated to be based on actual time and material due to the precise installation alignment and field testing of the new equipment.



	Contract Changes	Contract Amount	Percentage Change from Original Bid Amount	Reference
Original Bid Amount		\$13,775	- -	DM 20-006
Change Order No. 1	\$3,735	\$17,510	27.12% increase	DM 20-042

The District staff is requesting that the Board to ratify Change Order No. 1 for the DAF motors, pumps, and installation by R. F. MacDonald Co. in the amount not to exceed \$3,735.08. This project is funded by Water Fund, Infrastructure Reserves [G/L Account #02-000-10311].



Date: Friday, January 10, 2020

Quote Number : QUO-105631-H8H6L1

Provided For:	Yucaipa Valley WD 12770 Second St Yucaipa CA 92399-0730	Requested By:	Mike Kostecky (909) 790-9208
		Phone :	
		Fax :	
		Email :	mkostecky@yvwd.us

R.F. MacDonald Company		Prepared By	Tyler Thornstrom
OfficeName		Direct Line	714-257-0900
Street		Fax Number	714-257-1178
CityStateZip		Email Address	Tyler.Thornstrom@RFMacDonald.com

ShipTerms: Ex Works. Freight and Sales Tax not included unless otherwise noted.
***** Quotation Valid for 30 days unless otherwise noted *****

Qty.	Description of Product	Lead Time	Net Each Price	Total Item Price
2	Fybroc Series 1500, ANSI, End Suction, Frame Mounted, Centrifugal Pump	4-5 Weeks	\$4,683.00	\$9,366.00
	Group 1, Size 1x1.5x8, 6.875" Impeller Diameter	to Ship ARO		
	VR-1 Fiberglass Reinforced Vinyl Ester Resin Construction	Subject to Factory		
	John Crane 81T Inside Double Mechanical Seal	Workload at Time		
	Carbon vs. Ceramic Inboard & Outboard Faces, Viton Elastomers	of Order		
	316SS Hardware, Hastelloy-C Springs			
	Bare Pump Only			
			Total:	\$9,366.00

R.F. MacDonald Co. services what it sells with (9) offices conveniently located service facilities located throughout California and Nevada. Our central warehouse, located in Fresno, CA maintains over \$ 1.0 million in pump and parts inventory.

SALE AND PAYMENT TERMS AND CONDITIONS

QUO-105631-H8H6L1

The following sets forth the sale and payment terms and condition policies of R.F. MacDonald Co. It constitutes the general agreement between R.F. MacDonald Co. ("R.F. MacDonald Co.", the "Company" or "we") and you, its customer, under which products, service and parts are sold, credit is extended and payments are expected.



Date: Wednesday, October 23, 2019

Quote Number : QUO-102979-J0R4S0

Provided For:	Yucaipa Valley WD 12770 Second St Yucaipa CA 92399-0730	Requested By:	Mike Kostelecky
		Phone :	(909) 790-9208
		Fax :	
		Email :	mkostelecky@yvwd.us

R.F. MacDonald Company	Prepared By	Tyler Thornstrom
Los Angeles Office	Direct Line	714-257-0900
10261 Matern Place	Fax Number	714-257-1176
Santa Fe Springs, CA 90670	Email Address	Tyler.Thornstrom@RFMacDonald.com

ShipTerms: Ex Works. Freight and Sales Tax not included unless otherwise noted.
***** Quotation Valid for 30 days unless otherwise noted *****

Service: _____ **Flow:** _____ **Specific Gravity:** _____
Liquid/pH: _____ **Head:** _____ **Viscosity:** _____
Suction Pr: _____ **NPSHA:** _____ **Temperature:** _____

Qty.	Description of Product	Lead Time	Net Each Price	Total Item Price
2	Baldor 10HP,3490RPM,3PH,60HZ,215T,0730M,TEFC,F1	1 Week ARO	\$1,009.00	\$2,018.00
8	Labor for Removal of Existing Motors, Installation of New Motors, Alignment of Pump Assemblies and Start-Up		\$175.00	\$1,400.00
Total:			\$3,418.00	

R.F. MacDonald Co. services what it sells with (8) offices conveniently located service facilities located throughout California and Nevada. Our central warehouse, located in Fresno, CA maintains over \$ 1.0 million in pump and parts inventory.



25920 Eden Landing Road
 Hayward, CA 94545
 Phone: (510)784-0110
 Fax: (510) 784-1004
 E-mail: accts.receivable@rfmacdonald.com

Draft 0000258968
 Invoice Date March 20, 2020
 PO Number
 Job REP-135-20-02632
 Job Name Yucaipa Valley WD 165550 PL
 Customer Id YUCVALWDYU
 Customer Terms Net 30
 Page 1 of 1

Bill To:
 Accounts Payable
 Yucaipa Valley Water District
 12770 Second Street
 Yucaipa, CA 92399-0730
 United States

Ship To:
 Attn: Receiving Dept.
 Yucaipa Valley Water District
 12770 2ND St
 Yucaipa, CA 92399-5600
 US

Ship Via Field Service Job #165550
 Order date 03/11/2020

Ordered by Mike Kostecky
 Salesperson Tyler Thornstrom

	Qty	Rate	Amount
Labor Services:			
Labor: OT Hours To Installing 2 Fybroc 1500 pumps on site plus alignment.	3.50	260.00	910.00
Labor: ST Hours To Installing 2 Fybroc 1500 pumps on site plus alignment.	16.00	175.00	2,800.00
	Qty	Rate	Amount
Material Charges:			
Part: Steel Female Threaded Anchors	1.00	23.27	23.27
Subtotal	Material Charges:		23.27
Sales			
Subtotal	Sales		3,733.27
Sales Tax			1.81
Invoice Total			3,735.08

R.F. MacDonald Co's terms and conditions will govern in all respects regardless of any contrary or competing terms or conditions contained in any proposal or other form provided by the other contracting Party(ies). R.F. MacDonald Company's terms are conditioned on performance and the offer of performance expressly limits acceptance to the terms posted on www.rfmacdonald.com/TsCs.



Work Order Ticket

Work Order # 165550

10261 Matern Place
 Santa Fe Springs, CA 90670
 USA

Phone: 714-257-0900

Fax: 714-257-1176

Property	Customer Billing
Yucaipa Valley WD 12770 Second St Yucaipa, CA 92399-0730 USA Suite/Tenant: Site Contact: Mike Kostelecky Contact Phone: (909) 790-9208 ext:3	Yucaipa Valley WD 12770 Second Street Yucaipa, CA 92399-0730 USA Purchase Order#: Pending

Summary of Work Performed	
Job Scope:	Pump Installation 03/11/2020 7:05 AM PDT vchavez > Installing 2 Fybroc 1500 pumps on site plus alignment.
Work Summary:	<p>3/12/20 AG At customer site</p> <ul style="list-style-type: none"> -arrived on site and met with -had a quick safety meeting before I started -pulled pump from store room -isolated pump and locked out power -unbolted existing pump -during installation I found that the new fybroc pump has a different bolt pattern then the old pump and I had no female anchors to mount new pump -called victor and had Jose pick up some anchors and the coupling halves and drop them off to me - drilled out pump bolt pattern -mounted new motor and wired it -after lunch my parts arrived -I drilled out hole for pump and set the anchors -bolted down pump and motor -did a pre alignment check after I installed the coupling -installed the flush line for the mechanical per the customer request -cleaned up area and stopped for the day <p>3/13/20 AG At customer site</p> <ul style="list-style-type: none"> - arrived on site and started work after a brief safety meeting -set up alignment tool on pump#1 and completed laser alignment -Unlocked pump and Opened valves had operator start pump I verified correct rotation -operator monitored system and was happy with the performance -operator was aware of leaking check valve on the discharge pipe I offered to open it up and repair it or replace it for hm he stated he has another one and he knew that it leaked before I started work -locked out pump #2 and isolated pump -disconnected piping and removed coupling -removed old pump -drilled new mounting holes for new pump and installed anchors for the bolts -installed new pump and coupling -installed new flush line for mechanical seal -Connected motor to pump -set up alignment tool and completed laser alignment -Fabricated new holder for coupling gaurd and installed gaurd -Unlocked pump and opened valves had operator start up the system no flow was coming out of pump discharge after troubleshooting system I found that the collection tank was vapor locked after I relieved air pressure from the tank the pump ramped up to 85 psi -monitored system and operator said it was good -cleaned up area and did a final walk through



Work Order Ticket

Work Order # 165550

10261 Matern Place
Santa Fe Springs, CA 90670
USA

Phone: 714-257-0900

Fax: 714-257-1176

Work Order Details			
Caller:	Mike Kostelecky	Dispatcher:	Victor Chavez
Date Created:	3/11/2020	Lead Technician:	Aaron Guydosh
Job Status:	Complete	Job Type:	PUMPR - Pump Repair
Date Completed:	3/13/2020	Business Unit:	135-07 - RFM Inland Empire Pump Repairs
Cross Reference #	REP-135-20-02632	Contract #:	
		Job #:	

Labor Details				
Date	Technician	Labor Type	Activity	Time Worked
3/12/2020	Aaron Guydosh	Regular Time	Commute Time	1.00
3/12/2020	Aaron Guydosh	Regular Time	Labor Customer Site	8.00
3/12/2020	Aaron Guydosh	Overtime	Commute Time	1.00
3/12/2020	Aaron Guydosh	Overtime	Labor Customer Site	0.50
3/13/2020	Aaron Guydosh	Regular Time	Commute Time	1.00
3/13/2020	Aaron Guydosh	Regular Time	Labor Customer Site	8.00
3/13/2020	Aaron Guydosh	Overtime	Commute Time	1.00
3/13/2020	Aaron Guydosh	Overtime	Labor Customer Site	3.00
Grand Total:				23.50

Materials Used					
Date	Material Number	Description	Source/PO #	Quantity	Unit
3/12/2020	296300	97083A520 1/2" - 13 Steel Female Threaded Anchors	Vendor/296300	1.00	EA

RMA Equipment Information					
Date	Make	Type	RMA #	Quantity	Unit

RMA Material Information					
Date	Material Number	Description	RMA #	Quantity	Unit

Additional Charges					
Date	Description	Code	Quantity	Unit	
3/11/2020	Vehicle Charge	Vehicle Charge	1.00	Each	

Recommended Repairs					
Date	Description	Discussed?	Estimated Time	Unit	
3/13/2020	Replace discharge check valve on skimmer tank #1	Yes	2.00	Hours	




Work Order Ticket

Work Order # 165550

10261 Matern Place
Santa Fe Springs, CA 90670
USA

Phone: 714-257-0900

Fax: 714-257-1176

Customer Signature	
<p>R.F. MacDonald Co. <i>serving you since 1956</i></p> <p>Thank you for your business! Satisfied customers are our highest priority. If you have any questions or comments please call us.</p>	<p>Customer Representative: <u>Mike Kostelecky</u></p> <p>Date/Time: <u>3/13/2020 4:38:49PM</u></p> <p>Work Order: <u>165550</u></p>  <hr/> <p>Customer Signature</p>

Supporting Details

Work Performed: Aaron Guldosh Date: 3/13/2020 5:09 PM

Type: Pump
 Make: Other
 Model: 1500 1x1.5x8
 Serial #: 200227-F250249
 Tag #:
 Equip #: 1036620560
 Description: Fybroc pump #1 skimmer
 Location: Skimmer tank #1

Type: Pump
 Make: Other
 Model: 1500 1x1.5x8
 Serial #: 200227-F250248
 Tag #:
 Equip #: 1036620563
 Description: Fybroc pump #2
 Location: Skimmer tank #2



Date: March 31, 2020

Prepared By: Matthew Porras, Implementation Manager

Subject: Consideration of a Development Agreement for a Sewer Service at 31479 Avenue E, Yucaipa (Assessor Parcel Number 300-192-08)

Recommendation: That the Board authorize the General Manager to execute Development Agreement No. 2020-02.

The District staff has received the Sewer Facility Capacity Charge fees for a planned 6-inch sewer service to the Chick-fil-A restaurant located at 31479 Avenue E, between Yucaipa Boulevard and Dunlap Boulevard, in the City of Yucaipa.

Yucaipa Valley Water District will provide sewer service and Western Heights Mutual Water Company will provide drinking water service. Recycled water is not available at this location.



The development agreement is attached for your review and consideration.

**AGREEMENT TO PROVIDE SEWER SERVICE TO
 31479 Avenue E, APN: 0300-192-08, and 0300-192-07
 IN THE CITY OF YUCAIPA, COUNTY OF SAN BERNARDINO**

This Agreement is made and effective this 31st day of March 2020, by and between the Yucaipa Valley Water District, a public agency ("District") and Chick-fil-A ("Developer"). Each is sometimes referred to herein as a "Party" and jointly as the "Parties".

Elements Project Service Order No.
8968

For contractual issues, the Parties are represented by the following responsible individuals authorized to execute this Agreement:

District	Developer
Yucaipa Valley Water District 12770 Second Street Post Office Box 730 Yucaipa, California 92399 Attention: Joseph Zoba, General Manager Telephone: (909) 797-5119 x2 E-mail: jzoba@yvwd.us	VantageOne Real Estate Investments VONE Avenue E, LLC 4 Corporate Plaza, Suite 210 Newport Beach, CA 92660 Attention: Greg Lukosky Telephone: (949) 631-6620 greg@v1invest.com

The Developer has represented to the District that they are the owner of the following parcel(s) which is/are the subject of this Agreement and described herein as the "Property":

Property Reference	City / County
APN: 0300-192-08, 0300-192-07	City of Yucaipa / San Bernardino County

RECITALS

WHEREAS, the Developer desires to develop its Property situated within the service area of the District consisting of a single lot development with a total of 1 unit; and

WHEREAS, the Developer has provided plans, drawings, and/or concepts to the District to construct the proposed "Project" as shown on Exhibit A attached hereto; and

WHEREAS, the Developer desires to obtain sewer service from the District for the Project in accordance with the current Rules, Regulations, and Policies of the District; and General Construction Conditions; and

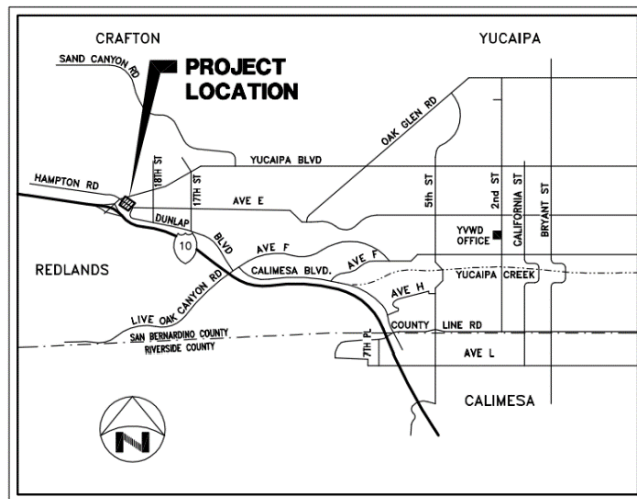
WHEREAS, it is the purpose of this Agreement to set forth the terms and conditions by which the District will provide service to the Project.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, the Developer and the District agree as follows:

- A. Project Overview.** The proposed development consists of a gross land area of 2.07 acres on Avenue E between Yucaipa Boulevard and Dunlap Boulevard in the City of Yucaipa (the "Property"). The commercial development will receive sewer service from the Yucaipa Valley Water District.

The Yucaipa Valley Water District has been involved in the preliminary review process for this Project and has established the following development related project files: Elements Service Order No. 8968.



- B. Special Conditions.** In addition to the General Construction Conditions, the following conditions, is contained herein, are hereby required by the District for the Developer to receive service for the Project.

1. Project Specific Drinking Water Conditions: The Project is within the service area of Western Heights Water Company, thus will not be served by the District.
2. Project Specific Recycled Water Conditions: The Project is within the service area of Western Heights Water Company, thus will not be served by the District.
3. Project Specific Sewer Conditions: The Project will receive sewer service from the Yucaipa Valley Water District. The Developer shall design and construct, at its sole cost and expense, on-site and/or off-site sewer infrastructure ("Facilities") pursuant to District approved plans and requirements.
 - a. The existing 8-inch sewer main in Avenue E. should be adequate for the needs of this project.
 - b. The Project requires a 6-inch commercial sewer lateral. District staff has identified a 6-inch sewer lateral in Avenue E. a cut-off wall per the 2019 Yucaipa Valley Water District Standard Drawings S-22 and S-27 serving the property of APN: 300-192-08, 300-192-07 this could potentially serve the project.
4. Project Specific Stormwater Conditions. The City of Yucaipa and/or the County of San Bernardino will retain responsibility and authority for stormwater-related to the Project

C.

1. Project Specific Conditions. The Developer, at its sole cost and expense, shall design and construct all Facilities and related appurtenances pursuant to the District approved plans and construction drawings to serve the Project.
 - a. The District will not provide sewer service to the Project until the necessary infrastructure is completed and accepted by the District.
2. Rates, Fees and Charges.
 - a. The most current rates, fees, and charges will be payable pursuant to the Resolution/Ordinance in effect at the time building permits are issued or renewed for each lot.
 - b. The Developer shall pay the sustainability fees and deposits based on the Facility Capacity Charge and Development Invoice – Summary sheet.
3. Ownership; Operation and Maintenance. Once constructed and accepted by the District, title to the Facilities (excluding private, on-site Facilities) will be conveyed by the Developer to the District, and the District will operate and maintain the Facilities and provide service to the Developer's Property in accordance with the District's Rules, Regulations and Policies and the provisions of this Agreement.
4. Easements, Dedications, and Recorded Documentation: All easements, dedications, and recorded documentation required by the District shall be provided by the Developer to the District prior to the release of occupancy of any structure within the Project.
5. Annexation. This Project is located within the service area of the District, so an annexation is not required.
6. Amendment. This Agreement may be amended, from time-to-time, by mutual agreement, in writing signed by both Parties. The District and the Developer further agree that to the extent this Agreement does not address all aspects of the Developer's Property and/or Project, the Parties will meet and confer and negotiate in good faith and execute a written amendment or supplement to this Agreement.
7. Assignment. This Agreement will not be assigned, whether in whole or in part by either Party.
8. Term and Termination of Agreement. Unless extended by mutual agreement of the parties in writing, this Agreement shall terminate at 5:00 p.m., on the day before the sixth (6th) anniversary date of this Agreement; provided, however, that this Agreement shall automatically terminate, without further liability to either party, as follows:
 - a. Immediately, upon abandonment by the Developer of the Developer's Property and/or the work hereunder. "Abandonment" is defined as the act of bankruptcy or Developer's failure to improve the Property in a manner

consistent with the proposed development plan within twelve months of the effective date of this Agreement; and/or

- b. Within 45 days of the date of the issuance of a Notice of Default by the District to the Developer in the event, the Developer fails or refuses to perform, keep or observe any of the terms, conditions or covenants set forth in this Agreement.

IN WITNESS WHEREOF, the parties have executed is Agreement to be effective on the day and year first above written.

YUCAIPA VALLEY WATER DISTRICT

Dated: _____ By: _____
Chris Mann, Board President

DEVELOPER

Dated: _____ By: _____

Print Name: _____

Print Title: _____

Attachments	Status
Exhibit A - Proposed Development Concept	Included

Exhibit A - Proposed Development Concept



Board Reports



Yucaipa Valley Water District

Director Comments



Yucaipa Valley Water District



FACTS ABOUT THE YUCAIPA VALLEY WATER DISTRICT

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

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

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

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

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

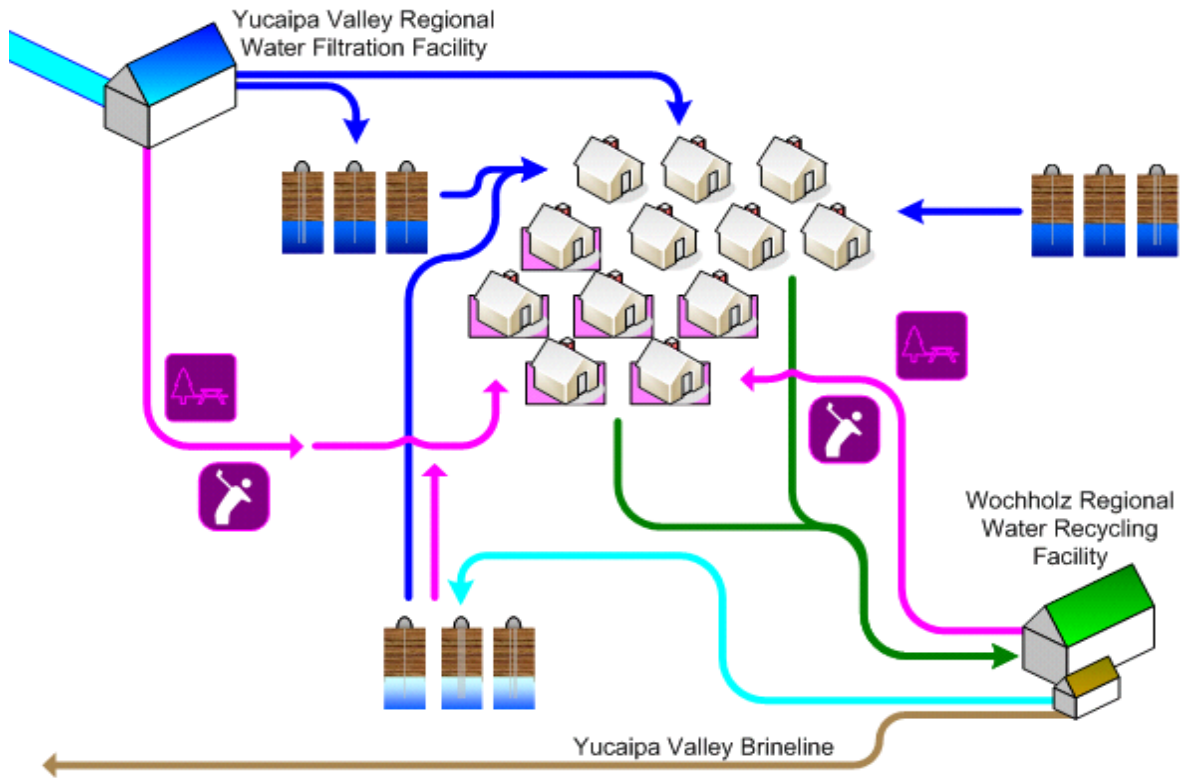
Water System: 223 miles of drinking water pipelines
2,033 fire hydrants
27 reservoirs - 34 million gallons of storage capacity
18 pressure zones
2.958 billion gallon annual drinking water demand
Two water filtration facilities:
- 1 mgd at Oak Glen Surface Water Filtration Facility
- 12 mgd at Yucaipa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

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

Recycled Water: 22 miles of recycled water pipelines
5 reservoirs - 12 million gallons of storage
0.681 billion gallon annual recycled water demand

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

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



Typical Rates, Fees and Charges:

- Drinking Water Commodity Charge:

1,000 gallons to 15,000 gallons	\$1.429 per each 1,000 gallons
16,000 gallons to 60,000 gallons	\$1.919 per each 1,000 gallons
61,000 gallons to 100,000 gallons	\$2.099 per each 1,000 gallons
101,000 gallons or more	\$2.429 per each 1,000 gallons

- Recycled Water Commodity Charge:

1,000 gallons or more	\$1.425 per each 1,000 gallons
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- Water Meter Service Charge (Drinking Water or Recycled Water):

5/8" x 3/4" Water Meter	\$14.00 per month
1" Water Meter	\$23.38 per month
1-1/2" Water Meter	\$46.62 per month

- Sewer Collection and Treatment Charge:

Typical Residential Charge	\$42.43 per month
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State Water Contractors: San Bernardino Valley Municipal Water District
San Gorgonio Pass Water Agency



	San Bernardino Valley Municipal Water District	San Gorgonio Pass Water Agency
Service Area Size	353 square miles	222 square miles
Table "A" Water Entitlement	102,600 acre feet	17,300 acre feet
Imported Water Rate	\$125.80 / acre foot	\$399 / acre foot
Tax Rates for FY 2019-20	\$0.1425 per \$100	\$0.1775 per \$100
Number of Board Members	Five (5)	Seven (7)
Operating Budget FY 2019-20	\$58,372,000	\$9,551,000

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

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





GLOSSARY OF COMMONLY USED TERMS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Wastewater - Any water that enters the sanitary sewer.

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

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

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

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

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

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

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

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

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

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





COMMONLY USED ABBREVIATIONS

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