

# Agenda

## Special Meeting of the Board of Directors of Yuima Municipal Water District

Monday, December 16, 2019 2:00 P.M.  
34928 Valley Center Road, Pauma Valley, California

Ron W. Watkins, President  
Roland Simpson, Vice-President  
Don Broomell, Secretary / Treasurer

Laney Villalobos, Director  
Steve Wehr, Director

### AGENDA TOPICS

- 2:00 p.m.
1. **Roll Call** - Determination of Quorum Broomell
  2. **Pledge of Allegiance**
  3. **Approval of Agenda** – At its option, the Board may approve the agenda, delete an item, reorder items and add an item to the agenda per the provisions of Government Code §54954.2. Watkins
  4. **Public Comment** – This is an opportunity for members of the public to address the Board on matters of interest within the Board’s jurisdiction that are not listed on the agenda. The Brown Act does not allow any discussion by the Board or staff on matters raised during public comment except; 1) to briefly respond to statements made or questions posed; 2) ask questions for clarification; 3) receive and file the matter; 4) if it is within staff’s authority, refer it to them for a reply; or 5) direct that it be placed on a future board agenda for a report or action. Inquiries pertaining to an item on the agenda will be received during deliberation on that agenda item. No action can be taken unless specifically listed on the agenda (Government Code §54954.3).D48 Watkins
- 2:05 - 2:08 P.M.
- I. **SPECIAL REPORTS**  
Joint Powers Fire Report Bishop
- 2:08-2:10 P.M.
- II. **CONSENT CALENDAR**  
Consent Calendar items will be voted on together by a single motion unless separate action is requested by a Board Member, staff or audience member.
    1. Approve minutes of the Regular Adjourned Meeting of October 28, 2019.
    2. Approve of Accounts Paid and Payables for & Reporting under Government Code §53065.5 for October 2019.
    3. Accept of Monthly Financial Reports - October 2019, Treasurer's Report and Cash Statements.

4. Acceptance of ACWA/JPIA President's Special Awards for Achieving a Low Number of Paid Claims and Case Reserves in Both the Property and Liability Programs.

2:10-3:00 P.M.

III. **ACTION DISCUSSION**

1. **Public Hearing**

Watkins

Public Hearing to Receive Comments and Consider Adoption of the Proposed Modification to Rates and Charges for Future Automatic Adjustments to Pass Through any Increase or Decreases in Wholesale Fixed Charges for Water.

A public hearing will be held at 2:10 p.m., or soon as soon thereafter as possible to hear comments on the proposed modification to rates and charges.

**1-A.** Proposed Resolution for Modification to Rates and Charges for Future Automatic Adjustments to Pass Through any Increases or Decreases in Wholesale Fixed Charges for Water.

*Background:* The District last increased water rates and charges in July 2019 to, among other things, account for certain increases in wholesale charges paid by the District. Staff now believes it is advisable to propose a modification to the rates and charges to provide for future automatic adjustments as, and to the extent permitted by section 53756(c) of the Government Code, to pass through any increases or decreases in SDCWA's and / or MWDSC's wholesale fixed charges for water.

*Recommendation:* That, should the Board agree, the Board approve the Resolution as presented.

2. **Proposed Ordinance to Implement a Moratorium on the Installation of New Meters Larger than 1" in Size.**

Watkins

*Background:* At the September Board Meeting the Board discussed instituting a possible moratorium on the installation of meters larger than 1" within Yuima General District and IDA. Staff was directed to compose an Ordinance to implement the moratorium. The first reading of the Ordinance occurred at the October 2019 Board meeting; this would be the second reading and approval.

*Recommendation:* That, should the Board agree, the Board approve the Ordinance as presented.

3. **Proposed Resolution Amending Rules and Regulations Governing Water Service (Definitions Section 1, Schedule of Rates, Rental, Fees, Deposits and Charges Sections 14.7).**

Watkins

*Background:* The San Diego County Water Authority (CWA) adopted a new System Capacity Charges and Water Treatment Capacity Charges to be effective January 1, 2020. Both the Capacity and Treatment Charges are assessed to any new meter that is installed within the Yuima General District and forwarded to CWA when collected. These charges cover CWA's cost for Conveyance, storage, and treatment of imported water delivered to Yuima from CWA. Yuima recognized the need for a rate class for those agricultural customers who are not TSAWR eligible according to CWA's and Yuima's TSAWR Program rules and who have not previously opted out of the TSWAR program. Yuima has developed an Agricultural Interruptible rate for customers who meet the eligibility criteria indicated in the Rules and Regulations Governing Water Service

*Recommendation:* That, should the Board agree, the Board approve the Resolution as presented.

4. Proposed Resolution Authorizing Checking, Savings, and Investment Accounts with Various Banking Institutions and Rescinding Resolution No. 1767-18. Reeh

*Background:* The purpose of this item is to update the authorized signatures on the District's Checking, Savings and investment accounts.

*Recommendation:* That, should the Board agree, the approve the Resolution as presented.

5. Proposed Resolution Authorizing Entry Into Wire Transfer Authorization and Agreement with California Bank & Trust and Rescinding Resolution No. 1766-18. Reeh

*Background:* The purpose of this item is to update the authorized District agents to initiate and approve wire transfers.

*Recommendation:* That, should the Board agree, the approve the Resolution as presented.

6. Proposed Resolution Entering Into a Service Agreement with Rancho Estates Mutual Water Company to Provide Limited Repair Services as Specified in Attached Contract and Rescinding Resolution No. 1835-19. Watkins

*Background:* At the September 30, 2019 Board meeting, the Board received proposal from Rancho Estates General Manager requesting a service contract. The Board directed Staff to meet with discussion acceptable terms with Rancho Estates. Staff met with and arrived at the agreement terms presented to the Board.

*Recommendation:* That, should the Board agree, the approve the Resolution as presented.

7. Consider the Calendar for the 2020 Yuima Municipal Water District's Board Meetings. Watkins

*Background:* The purposed of this items is to consider the board meeting dates for the 2020 calendar year. The proposed calendar takes into consideration various annual conferences as well as the San Diego County Water Authority meetings and the ACWA/JPIA meetings.

*Recommendation:* That the board approve or amend the attached calendar dates.

**8. Proposed Resolution Authorizing Execution of Agreement Concerning Use and Development of Water (Humason APN's 132-270-30 and 134-100-08).**

Watkins

*Background:* At the April 18, 2019 Special Meeting for Strategic Planning the Board agreed that they would consider, on an individual basis, new well agreements in Improvement District A. Mr. Humason (Starbeam Ranch) has approached the district requesting to drill two wells within the Improvement District A boundary. Neither of these well falls within the established 2500 foot radius of an existing District well. The well agreement for each well is attached.

*Recommendation:* That, should the Board agree, the approve the Resolution as presented.

**9. Discussion only: Request for Proposal for General Counsel.**

Watkins

**10. Proposed Resolution Requesting Approval by the San Diego County Water Authority, the Metropolitan Water District of Southern California, and the Local Agency Formation Commission of a Concurrent Annexation to Said Agencies (Pauma Valley Water Company) Consisting of Approximately 197.48 acres- 60 Parcels).**

Watkins

*Background:* The Board approved a Resolution in at the April 2019 Board meeting requesting annexation for Pauma Valley Water Company. There has been a change in the acreage and number of parcels being requested for annexation and the State Water Resources Control Board has requested an updated resolution reflecting those changes.

*Recommendation:* That, should the Board agree, they adopt the Resolution as proposed.

**11. Approval of Purchase Orders for CAT Generator and Forebay Pumpstation Rehabilitation Contract Award.**

Watkins

*Background:* Under the Purchasing Policy the Board must approve any purchase order over \$35,000. The purchase order is to purchase a CAT Generator for the Forebay Pump Station Rehabilitation Project.

A. Cat Generator \$344,218.15

B. Winning Bid for Forebay Rehabilitation Project \$3,195,000

*Recommendation:* That, should the Board agree, they approve the purchase orders as presented.

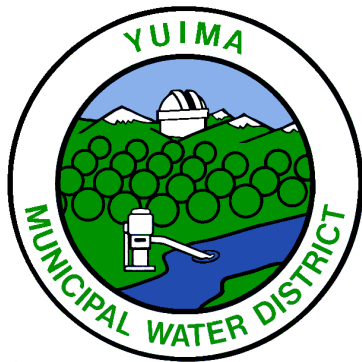
3:30-3:45 P.M.	<b>IV.</b>	<b><u>CLOSED SESSION</u></b>	
		1. Significant exposure to litigation pursuant to subdivision (c) of Section 54956.9 (b) (one potential case).	Watkins
3:45-4:15 P.M.	<b>V.</b>	<b><u>INFORMATION / REPORTS</u></b>	
		<b>1. Board Reports / Meetings</b> President/JPIA San Diego County Water Authority/MWD Other Meetings (SGMA/GSA)	Watkins Simpson
		<b>2. Administrative</b> General Information	Reeh
		<b>3. Capital Improvements</b>	Reeh
		<b>4. Operations</b> General Information Rainfall Production / Consumption Report Well Levels District Water Purchased	Simon
		<b>5. Counsel</b>	Burns
		<b>6. Finance &amp; Administrative Services</b> General Information Quarterly Budget Report - Qtr 1 Delinquent Accounts	Reeh
4:15-4:30 P.M.	<b>VI.</b>	<b><u>OTHER BUSINESS</u></b>	
		1. Review attorney costs and work performed.	
		2. The Board will consider realignment of the alternate representation for the Upper San Luis Rey Watershed Authority.	
4:30 P.M.	<b>VII.</b>	<b><u>ADJOURNMENT</u></b>	

*NOTE: In compliance with the Americans with Disabilities Act, if special assistance is needed to participate in the Board meeting, please contact the General Manager at (760) 742-3704 at least 48 hours before the meeting to enable the District to make reasonable accommodations. The meeting begins at 2:00 p.m. The time listed for individual agenda items is an estimate only. Any writings or documents provided to a majority of the members of the Yuima Municipal Water District Board of Directors regarding any item on this agenda will be made available for public inspection during normal business hours in the office of the General Manager located at 34928 Valley Center Road, Pauma Valley.*

I.  
SPECIAL REPORTS

# **YUIMA BOARD OF DIRECTORS MEETING**

## **FIRE REPORT**



**October - December 2019**

**CAL FIRE SAN DIEGO UNIT – RINCON STATION 70**

**PROUDLY SERVING THE YUIMA MUNICIPAL WATER DISTRICT**

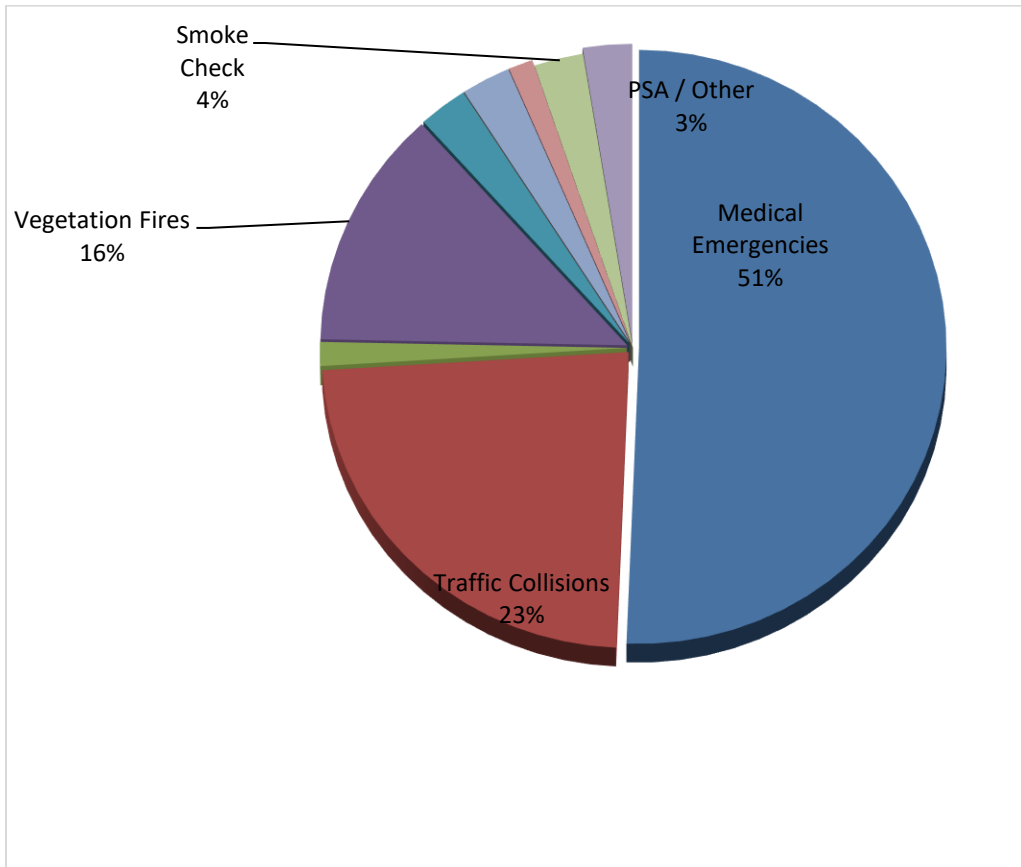
PREPARED BY FIRE CAPTAIN ADAM GETTMAN

<b><u>Response within IA</u></b>	<b><u>OCT -DEC 2019</u></b>	<b><u>JAN – Sept 2019</u></b>	<b><u>District YTD</u></b>
Medical Emergencies	39	297	336
Traffic Collisions	18	103	121
Vehicle Fires	1	8	9
Vegetation Fires	10	36	46
Structure Fires	2	11	13
Swift Water Rescues	0	0	0
Fire Alarm Ringing	2	14	16
Illegal Debris Burns	1	17	18
Smoke Checks	2	14	16
PSA / Other	2	27	29
Canceled en route	9	118	127
Assist to Pauma Reservation Fire	0	3	3
Assist to La Jolla Reservation Fire	2	102	104
Assist to Rincon Reservation Fire	0	2	2
Assist to Valley Center Fire	1	1	2
Assist Palomar SDFA	0	1	1
Assist to Pala Reservation Fire	0	2	2
<b><u>Month Total Responses</u></b>	89		
<b><u>Station YTD Responses</u></b>		756	845



# CALL TYPE BY PERCENTAGE

## OCT-DEC 2019



# NOTABLE INCIDENTS FOR OCT-DEC 2019

Station 70 Personnel and Equipment were out on Fire Assignments up and down the state for a total of 63 days this past Summer. Station Personnel attended multiple PR Events within the Valley. Furthermore, with Winter upon us we have shut down our second Engine out of the station and have been placed into Transitional Staffing while still covering one Engine with 3.0 staff. In cooperation with San Diego County we have increased our Sand Bag Inventory for the Public and have started to issue Burn Permits.



II.  
CONSENT CALENDAR

**MINUTES OF THE REGULAR MEETING  
OF THE BOARD OF DIRECTORS OF  
YUIMA MUNICIPAL WATER DISTRICT  
October 28, 2019**

The Regular Meeting of the Board of Directors of the Yuima Municipal Water District was held at the office of the District, 34928 Valley Center Road, Pauma Valley, California on Monday, the 28<sup>th</sup> day of October 2019.

**Regular Meeting  
10/28/2019**

**1. ROLL CALL – DETERMINATION OF QUORUM**

President Watkins called the meeting to order at 2:05 p.m.

**Call to Order  
2:05 p.m.**

Directors Present:

**Present: 4**

Ron W. Watkins, President  
Roland Simpson, Vice-President – arrived at 2:09 p.m.  
Laney Villalobos, Director- via teleconference  
Steve Wehr, Director

President Watkins declared that a quorum of the Board was present.

**Quorum Present**

Directors Absent:

Don Broomell, Secretary/Treasurer

**Absent: 1**

Others Present:

**Others Present**

Amy Reeh, Assistant General Manager/Finance Manager  
Allen Simon, YMWD  
Carmen Rodriguez, YMWD  
Allison Burns, Stradling Yocca Carlson & Rauth, P.C. (via teleconference)  
Richard Vivar, CAL Fire  
Dough Anderson, Urban Futures  
Darren House  
Cyrus Torabi, Stradling Yocca Carlson & Rauth, P.C.

**2. PLEDGE OF ALLEGIANCE**

President Watkins led those present in the Pledge of Allegiance.

Pledge of Allegiance

**3. APPROVAL OF AGENDA**

No changes to the agenda were proposed.

Approval of Agenda

**4. PUBLIC COMMENT**

No speaker requests were received and no other indication to speak was offered by member of the public present.

Public Comment

**I. SPECIAL REPORTS**

Special Reports

**1. Joint Powers Fire Report**

Richard Vivar from CAL FIRE reported that Station 70 personnel went out of county on two separate strike teams in September. Strike team 9331C was assigned to cover San Bernardino County on September 8th and was eventually assigned to the Taboose Fire on the Inyo National Forest. Strike Team 9331C returned to the Unit on September 12<sup>th</sup>, after two successful shifts on the Taboose Fire. A few days later, from September 14th-17th, both engines from Station 70 were assigned to Strike Team 9330C. The strike team was originally called to Riverside County to cover stations but ended up assigned to the Horseshoe Fire in the community of Juniper Flats. The Horseshoe fire ended up burning at total of 520 acres and was full contained on the evening of September 17<sup>th</sup>.

**II. CONSENT CALENDAR**

Consent Items

Upon motion being offered by Director Simpson, seconded by Director Wehr, the Minutes of the Special Meeting of September 30th, October 2nd, and October 14th, 2019, Accounts Paid and Payable for September 2019 and the Monthly Financial Reports for September 2019 were approved by the following roll-call vote, to wit:

AYES: Villalobos, Wehr, Watkins  
NOES: None  
ABSTAIN: None  
ABSENT: Broomell

### III. ACTION/DISCUSSION

1. Resolution 1836-19 Approving the Execution and Delivery of an Installment Agreement for the Purpose of Financing the Forebay Pump Station and Other Water System Improvements and Approving the Delivery of Certain Documents in Connection Therewith.

Following discussion and upon motion being offered by Director Wehr seconded by Director Simpson, the Board *Resolution 1836-19 Approving the Execution and Delivery of an Installment Agreement for the Purpose of Financing the Forebay Pump Station and Other Water System Improvements and Approving the Delivery of Certain Documents in Connection Therewith* was approved and carried unanimously by the following roll-call vote, to wit:

AYES: Simpson, Villalobos, Wehr, Watkins  
NOES: None  
ABSTAIN: None  
ABSENT: Broomell

2. Resolution 1837-19 Awarding Construction Contract for Forebay Pump Station Rehabilitation Project.

Following discussion and upon motion offered by Director Wehr seconded by Director Simpson, the Board Approved *Resolution 1837-19 Awarding Construction Contract for Forebay Pump Station Rehabilitation Project* was approved by the following roll-call vote to wit:

AYES: Simpson, Villalobos, Wehr, Watkins  
NOES: None  
ABSTAIN: None  
ABSENT: Broomell

Resolution 1836-19 Approving the Execution and Delivery of an Installment Agreement for the Purpose of Financing the Forebay Pump Station and Other Water System Improvements and Approving the Delivery of Certain Documents in Connection Therewith

Resolution 1837-19 Awarding Construction Contract for Forebay Pump Station Rehabilitation Project

3. Approval for Forebay Pump Station Construction Project Management Contract for TKE Engineering.

Approval for Forebay Pump Station Construction Project Management Contract for TKE Engineering

Following discussion and upon motion being offered by Director Simpson seconded by Director Wehr *Approval for Forebay Pump Station Construction Project Management Contract for TKE Engineering* was approved and carried unanimously by the following roll-call vote, to wit:

AYES: Simpson, Villalobos, Wehr, Watkins  
NOES: None  
ABSTAIN: None  
ABSENT: Broomell

4. Approval of Contract Amendment for Dexter Wilson: Forebay Inspection Services Management.

Approval of Contract Amendment for Dexter Wilson: Forebay Inspection Services Management

Following discussion and upon motion being offered by Director Wehr seconded by Director Simpson, *Approval of Contract Amendment for Dexter Wilson: Forebay Inspection Services Management* was approved and carried unanimously by the following roll-call vote, to wit:

AYES: Simpson, Villalobos, Wehr, Watkins  
NOES: None  
ABSTAIN: None  
ABSENT: Broomell

5. Approval of Purchase Orders for TKE Engineering and Dexter Wilson to Perform Services in Association with the Forebay Pump Station Rehabilitation Project and The Rincon Ranch Road Pipeline Replacement Project.

Approval of Purchase Orders for TKE Engineering and Dexter Wilson to perform Services in Association with the Forebay Pump Station Rehabilitation Project and The Rincon Ranch Road Pipeline Replacement Project

Following discussion and upon motion being offered by Director Wehr seconded by Director Villalobos, *Approval of Purchase Orders for TKE Engineering and Dexter Wilson to perform Services in Association with the Forebay Pump Station Rehabilitation Project and The Rincon Ranch Road Pipeline Replacement Project* was approved and carried unanimously by the following roll-call vote, to wit:

AYES: Simpson, Villalobos, Wehr, Watkins  
NOES: None  
ABSTAIN: None  
ABSENT: Broomell

6. First Reading of Ordinance to Implement a Moratorium on the Installation of New Meters large than 1” in Size.

Following discussion, the Board conducted the First Reading of an Ordinance to Implement a Moratorium on the Installation of New Meters large than 1” in Size.

First Reading of Ordinance to Implement a Moratorium on the Installation of New Meters large than 1” in Size

7. Resolution 1838-19 Setting Forth the Time and Place of Hearing and Giving Notice of Hearing to Consider Proposed Modification to Rates and Charges for Future Automatic Adjustment to Pass Through any Increases or Decreases in Wholesale Fixed Charges for Water.

Following discussion and upon motion offered by Director Wehr seconded by Director Simpson, the Board Approved *Resolution 1838-19 Setting Forth the Time and Place of Hearing and Giving Notice of Hearing to Consider Proposed Modification to Rates and Charges for Future Automatic Adjustment to Pass Through any increases or Decreases in Wholesale Fixed Charges for Water* was approved by the following roll-call vote to wit:

Resolution 1838-19 Setting Forth the Time and Place of Hearing and Giving Notice of Hearing to Consider Proposed Modification to Rates and Charges for Future Automatic Adjustment to Pass Through any increases or Decreases in Wholesale Fixed Charges for Water

AYES: Simpson, Villalobos, Wehr, Watkins  
NOES: None  
ABSTAIN: None  
ABSENT: Broomell

8. Review and Discussion on Forebay Generator Options.

Following discussion and upon motion offered by Director Simpson seconded by Director Wehr, the Board directed staff to order the standby generator and research what the cost would be for a natural gas line versus a diesel line along with the cost of maintenance was approved by the following roll-call vote to wit:

Review and Discussion on Forebay Generator Options

AYES: Simpson, Villalobos, Wehr, Watkins  
NOES: None  
ABSTAIN: None  
ABSENT: Broomell

**IV. CLOSED SESSION**

Closed Session was entered at 3:09 p.m. 1. Significant exposure to litigation pursuant to subdivision (c) of Section 54956.9(b) (two potential cases) 2. Consideration of initiation of litigation pursuant to Government Code section 54956.9(c) (one potential



case). 3. Pursuant to Government Code section 54957 Public Employee Performance Evaluation – General Manager. **REPORT FROM CLOSED SESSION:** There was no Board action taken during closed session to report. Closed Session exited at 3:30 p.m.

Closed Session

## V. INFORMATION/REPORTS

### 1. Board Reports/Meeting

Director Watkins reported that at the last San Diego County Water Authority meeting the CWA Board the Fallbrook PUD and Rainbow MWD detachment issue and the fact that LAFCO San Diego County and LAFCO Riverside County have been discussing who would have jurisdiction over Rainbow MWD. The San Diego County Water Authority has intervened with San Diego LAFCO and expressed that this detachment not only affects Rainbow and Fallbrook, but it also affects all the other members because it would push costs on to all the other water agencies.

SDCWA

Director Watkins also reported that the SDCWA approved the 2-year budget condition upon the SDCWA appointing fiscal sustainability task force. The City of San Diego has a plan to switch to reclaimed water supply in the near future which could result in the demand on the SDCWA for water could potentially go down significantly and the impact that is also going to have on all the members. A committee has been appointed and has been reporting that they are aggressively looking into future financial viability.

Director Watkins reported that nothing much has changed with the GSA other than at the last meeting on October 21st a four-member sub-committee was appointed to develop a compromise language for task 2.3 of the GEI's SOW. The sub-committee was directed to develop compromise language within the next week.

G.S.A.

### 2. Administrative

Assistant General Manager Reeh reviewed the administrative report. Assistant General Manger Reeh is currently working on the finalizing bond funding, the Comprehensive Annual Financial Report, responding to SWRCB-DDW requests, and managing the start-up of the Forebay and Rincon Ranch Road capital projects.

Administrative

**3. Capital Improvement Program**

There was no information to report at this time.

**4. Operations**

Allen Simon reported that SDG&E shut down two pump stations and 6 wells because of the high winds. No customers were affected by the shutdowns. Repairs were done to Station 4, Pump 1 and Eastside, Pump 1. Repairs to Perricone Pumps 3 &4 were completed by Fain Drilling and the pump station is fully functional again. At Forebay there is a tree service company that is going to be cutting the eucalyptus trees in preparation for the start of construction. The 2019 Sanitary Survey for DDW has been completed, with only a few minor corrections that have been corrected. A completion report with photos is being developed for submittal to DDW.

**5. Counsel**

No Counsel was present.

**6. Finance & Administrative Services**

Assistant General Manager Reeh reported the annual audit was conducted at the end of September and auditors are currently finishing up the audit report. There is total \$890 in delinquent accounts in Yuima and \$2,600 in IDA delinquent accounts.

Capital Improvements Program

Operations

Counsel

Finance & Admin Services.

Other Business

Adjourned at 4:14 p.m.

**VI. OTHER BUSINESS**

Director Villalobos suggested there should be some requirements before contacting counsel. The Board directed staff to get an RFQ for counsel the beginning of the new year.

**VII. ADJOURNMENT**

There being no further business to come before the board the meeting was adjourned at 4:14 p.m.

\_\_\_\_\_  
Don Broomell, Secretary/Treasurer

\_\_\_\_\_  
Ron W. Watkins, President

DRAFT



# Expense Approval Report

Yuima Municipal Water District

10/1/2019 - 10/31/2019

Payment Number	Vendor Name	Description (Item)	Amount
55590	Richard S. Williamson	Engineer Incentive - Payment 1	\$19,003.18
55591	ACWA/JPIA	Q1 2019 Workers Comp	7,451.14
55592	ACWA/JPIA	JPIA Leadership Classes-Mark Quinn	1,695.00
55593	DIAMOND ENVIRONMENTAL SERVICES	Monthly Portalet Rental	189.72
55594	IFLOW ENERGY SOLUTIONS	6" Siemens M-8000	4,448.78
55595	LYNETTE BREWER	Mileage Reimbursement	46.75
55596	OFFICE DEPOT	Scissors	7.63
55596	OFFICE DEPOT	Boise Paper-Copy Machine	64.13
55597	WESTERN WATER WORKS SUPPLY CO.	6" Wilkins 375 RP w/ OSY DOM	3,739.95
55597	WESTERN WATER WORKS SUPPLY CO.	GDI HLG 90	801.01
55597	WESTERN WATER WORKS SUPPLY CO.	6 FS150 S/O Wekd FLG Flat Face	337.58
55597	WESTERN WATER WORKS SUPPLY CO.	6-8 B/N SET 150 # Plated	125.85
55597	WESTERN WATER WORKS SUPPLY CO.	6x1/16 150# Ring Gasket	71.12
55597	WESTERN WATER WORKS SUPPLY CO.	6 FLG Gate Valve	1,528.33
55598	SAN DIEGO COUNTY WATER	August 2019 Water	886,109.13
55599	Pitney Bowes Reserve Acct- ACCT#41097148	FY 19/20 Postage Refill	1,000.00
55600	VALIC GA#24515	Valic Deferred Compensation	800.00
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	72.03
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	27.92
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	63.56
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	74.47
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	59.07
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	169.38
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	85.77
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	74.79
55601	A-1 IRRIGATION, INC.	1" X 12" NIPPLE BRASS	74.44
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	260.08
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	23.19
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	11.41
55601	A-1 IRRIGATION, INC.	Sept 2019 Open PO	55.76
55602	ACWA/JPIA	FY19/20 Auto and General Liability Program	31,102.00
55603	AL STEINBAUM'S JANITORIAL	FY 19/20 Janitorial Services	200.00
55604	AT&T	SCADA Access	65.21
55604	AT&T	SCADA Access	73.53
55605	BARTEL & ASSOCIATES LLC	GASB75 Accounting	375.00
55606	CARQUEST	FY 19/20 Annual PO	16.71
55607	EDCO	FY 19/20 Trash Services	173.93
55608	NORTHERN SAFETY, INC.	Shipping	13.96
55608	NORTHERN SAFETY, INC.	26133-Black Size 9 Gloves	174.66
55608	NORTHERN SAFETY, INC.	XI Tyvek Suits	222.39
55609	PETTY CASH ACCT/CA.BANK &TRUST	04-25-19 April Birthday Cake	15.98
55609	PETTY CASH ACCT/CA.BANK &TRUST	04-23-19 Bagels for meeting	27.56
55609	PETTY CASH ACCT/CA.BANK &TRUST	06-20-19 Vivian Goodbye Luncheon-Pizza	69.50
55609	PETTY CASH ACCT/CA.BANK &TRUST	06-20-19 Vivian Goodbye Luncheon Cards & Refreshme	20.80
55609	PETTY CASH ACCT/CA.BANK &TRUST	05-01-19 Admin Assistants Day Luncheon	161.71
55609	PETTY CASH ACCT/CA.BANK &TRUST	08-01-19 Ice for GM Staff Luncheon	4.99
55609	PETTY CASH ACCT/CA.BANK &TRUST	06-03-19 Wellness grant supplies	6.29
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	15.72
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	17.73
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	17.12
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	19.30
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	14.30
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	16.12
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	17.47
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	19.69
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	20.83
55610	PRUDENTIAL OVERALL SUPPLY	FY 19/20 Uniform Services	23.48
55611	TEST AMERICA LABORATORIES	FY 19/20 Yuima Water Testing	35.00
55611	TEST AMERICA LABORATORIES	FY 19/20 IDA Water Testing	60.83
55611	TEST AMERICA LABORATORIES	FY 19/20 IDA Water Testing	122.50
55611	TEST AMERICA LABORATORIES	FY 19/20 IDA Water Testing	66.50
55611	TEST AMERICA LABORATORIES	FY 19/20 Yuima Water Testing	17.50
55611	TEST AMERICA LABORATORIES	FY 19/20 IDA Water Testing	12.50
55611	TEST AMERICA LABORATORIES	FY 19/20 IDA Water Testing	12.50
55611	TEST AMERICA LABORATORIES	FY 19/20 IDA Water Testing	12.50
55612	WATERLINE TECHNOLOGIES	Station 1 Ammonia	149.00
55612	WATERLINE TECHNOLOGIES	Station 1 CL2	484.00
55612	WATERLINE TECHNOLOGIES	Eastside CL2	242.00
55612	WATERLINE TECHNOLOGIES	Ammonia Deposits	50.00
55612	WATERLINE TECHNOLOGIES	Station 1 Ammonia	249.00
55612	WATERLINE TECHNOLOGIES	Station 1 Ammonia	607.56
55612	WATERLINE TECHNOLOGIES	Eastside Ammonia	249.00
55612	WATERLINE TECHNOLOGIES	Eastside CL2	121.00

55612	WATERLINE TECHNOLOGIES	Station 1 CL2	363.00
55614	COUNTY OF SAN DIEGO - APCD	Eastside Permit Fees	460.00
55615	DENISE M. LANDSTEDT	SGMP Grant Assistance	1,312.00
55615	DENISE M. LANDSTEDT	DACI Grant Assistance	160.00
55616	Dexter Wilson Engineering	Prepare plans & Specs for Forebay Pumpstation	49,594.78
55617	EDCO	25-6R 946552 09/09 Delivery	674.80
55618	EMPLOYEE RELATIONS, INC.	New Hire Background Check	150.15
55619	Erik Industries	Fix Phone Lines	380.00
55620	MCMaster-CARR SUPPLY CO	9877K513-10 Screen	155.24
55621	NETWORKFLEET, INC	FY 19/20 GPS Monitoring Services	40.30
55623	TRAN CONTROLS SCADA SOLUTIONS	SCADA Phase 2-PLC & Radio upgrade project	17,007.70
55623	TRAN CONTROLS SCADA SOLUTIONS	SCADA Phase 2-PLC & Radio upgrade project	34,530.80
55624	VALLEY CENTER WIRELESS	Wifi Services October 2019	129.90
55625	VERIZON WIRELESS	SCADA Access	62.91
55625	VERIZON WIRELESS	SCADA Access	62.91
55626	WARREN A BACK	August Engineering Consulting Services	299.80
55626	WARREN A BACK	August Engineering Consulting Services	3,433.00
55626	WARREN A BACK	Sanitary Survey	225.40
55626	WARREN A BACK	Forebay	1,973.50
55626	WARREN A BACK	Rincon Ranch Rd Consultation	375.00
55627	VALIC GA#24515	Valic Deferred Compensation	800.00
55628	ACWA JPIA	Dental Insurance	-32.13
55628	ACWA JPIA	GTL Admin	-0.47
55628	ACWA JPIA	GTL	-117.23
55628	ACWA JPIA	Health Benefits	-842.35
55628	ACWA JPIA	Vision	-10.92
55628	ACWA JPIA	Dental Insurance	319.51
55628	ACWA JPIA	GTL Admin	4.70
55628	ACWA JPIA	GTL	295.42
55628	ACWA JPIA	Health Benefits	5,794.90
55628	ACWA JPIA	Vision	98.28
55628	ACWA JPIA	Dental Insurance	32.13
55628	ACWA JPIA	GTL Admin	0.47
55628	ACWA JPIA	GTL	117.23
55628	ACWA JPIA	Health Benefits	842.35
55628	ACWA JPIA	Vision	10.92
55628	ACWA JPIA	Dental Insurance	372.80
55628	ACWA JPIA	Director Dental Insurance	69.61
55628	ACWA JPIA	Director Vision	23.66
55628	ACWA JPIA	GTL Admin	5.17
55628	ACWA JPIA	GTL	298.47
55628	ACWA JPIA	Health Benefits	6,766.73
55628	ACWA JPIA	Vision	109.20
55628	ACWA JPIA	Nov 2019 Recon	2,656.08
55628	ACWA JPIA	Nov 2019 Recon	-121.89
55628	ACWA JPIA	Nov 2019 Recon	-46.45
55630	AFLAC	AFLAC-Cancer Coverage Insurance	52.56
55630	AFLAC	AFLAC-Life Insurance Coverage	75.32
55630	AFLAC	AFLAC-Accident Coverage Insurance	67.32
55630	AFLAC	AFLAC-Hospital Coverage	26.22
55630	AFLAC	AFLAC-Critical Care Coverage	48.06
55630	AFLAC	AFLAC-Cancer Coverage Insurance	52.56
55630	AFLAC	AFLAC-Life Insurance Coverage	75.32
55630	AFLAC	AFLAC-Accident Coverage Insurance	67.32
55630	AFLAC	AFLAC-Hospital Coverage	26.22
55630	AFLAC	AFLAC-Critical Care Coverage	48.06
55631	AT & T MOBILITY	FY 19/20 SCADA Access	24.77
55631	AT & T MOBILITY	FY 19/20 SCADA Access	24.78
55632	CALIF BANK & TRUST VISA	Welding Helmet	152.44
55632	CALIF BANK & TRUST VISA	Renewl Training	275.00
55632	CALIF BANK & TRUST VISA	Dixie Insulated Cup	15.99
55632	CALIF BANK & TRUST VISA	Kirkland 8gal Trash Bags	16.19
55632	CALIF BANK & TRUST VISA	Plastic 10oz Cup	12.59
55632	CALIF BANK & TRUST VISA	Kirkland Bath Tissue	19.99
55632	CALIF BANK & TRUST VISA	Kirkland Paper Towel	19.99
55632	CALIF BANK & TRUST VISA	Dixie Paper Bowl	10.29
55632	CALIF BANK & TRUST VISA	French Roast Coffee	32.99
55632	CALIF BANK & TRUST VISA	3 Year Server Warranty	1,616.98
55633	Devault Electric Products	Replacement Probes for Power Sounder	279.80
55634	HACH COMPANY	Perricone CL17	3,727.57
55635	Hydrocurrent Well Services	LABOR/TROUBLE SHOOT REPAIR HARDWARE	255.00
55636	IMAGE SOURCE, INC.	FY 19/20 Copy Fee	178.77
55636	IMAGE SOURCE, INC.	FY 19/20 Copy Fee	201.60
55637	MCMaster-CARR SUPPLY CO	Straight Connector w/Hex	22.69
55637	MCMaster-CARR SUPPLY CO	90 Degree Elbow	56.73
55637	MCMaster-CARR SUPPLY CO	Open-End Wrench Hex and Rounded Openings 11/16"	25.73
55637	MCMaster-CARR SUPPLY CO	Handsaw for Plastic 12"	26.87
55637	MCMaster-CARR SUPPLY CO	3-Piece Screwdriver Set	41.34
55637	MCMaster-CARR SUPPLY CO	Open-End Wrench Hex and Rounded Openings 9/16"	40.43
55637	MCMaster-CARR SUPPLY CO	Open-End Wrench Hex and Rounded Openings 3/4"	27.06

55637	MCMaster-CARR SUPPLY CO	Black Steel Adjustable Wrench 12"	35.70
55637	MCMaster-CARR SUPPLY CO	Black Steel Adjustable Wrench 8"	18.46
55637	MCMaster-CARR SUPPLY CO	Black Steel Adjustable Wrench 6"	19.01
55637	MCMaster-CARR SUPPLY CO	13 Piece Hex L-Key Set	22.86
55637	MCMaster-CARR SUPPLY CO	9 Piece Metric Hex L-Key Set	23.45
55637	MCMaster-CARR SUPPLY CO	Open-End Wrench Hex and Rounded Openings 5/8"	23.55
55637	MCMaster-CARR SUPPLY CO	Black Steel Adjustable Wrench 10"	24.74
55637	MCMaster-CARR SUPPLY CO	12 Piece Screwdriver Set	106.95
55637	MCMaster-CARR SUPPLY CO	Screwdriver-Style Pry Bar	48.86
55638	NORTHERN SAFETY, INC.	Milwaukee 6-Tool Combo Kit	1,023.61
55638	NORTHERN SAFETY, INC.	Milwaukee Lithium Battery	284.55
55639	OFFICE DEPOT	Xerox Pink Paper	5.71
55639	OFFICE DEPOT	Office Depot Writing Pads	11.12
55639	OFFICE DEPOT	Boise Copy Paper	64.13
55640	SDG&E	09-8542	652.53
55640	SDG&E	09-6328	50,221.37
55640	SDG&E	09-9397	3,889.30
55640	SDG&E	09-6101	292.47
55640	SDG&E	09-7013	25.00
55640	SDG&E	09-1521	1,003.28
55640	SDG&E	09-3149	40.37
55640	SDG&E	09-4744	35,549.56
55640	SDG&E	09-9083	17,520.57
55640	SDG&E	09-1521	8,311.04
55640	SDG&E	09-1482	4,635.52
55640	SDG&E	09-3230	4,353.22
55640	SDG&E	09-1952	4,221.47
55640	SDG&E	09-7506	787.65
55640	SDG&E	09-3459	11,560.17
55640	SDG&E	09-7171	472.59
55640	SDG&E	09-7489	1,519.36
55640	SDG&E	09-7491	3,029.83
55640	SDG&E	09-7508	1,914.88
55640	SDG&E	09-7147	1,283.41
55640	SDG&E	09-7490	1,182.22
55640	SDG&E	09-7170	1,467.90
55640	SDG&E	09-7013	3.27
55641	TEMECULA VALLEY PIPE	4" HYTROL KIT	755.87
55641	TEMECULA VALLEY PIPE	CVS-1 CHECK VALVE	891.46
55641	TEMECULA VALLEY PIPE	CRD CONTROL 30-300PSI	1,078.48
55641	TEMECULA VALLEY PIPE	CSM 11 A2-2/120V 60 CY	1,207.06
55641	TEMECULA VALLEY PIPE	1/2" CRL CONTROL 20-200 PSI	1,570.96
55641	TEMECULA VALLEY PIPE	3/8" X 3/8" RESTRICTOR ASSEMBLY SS	450.41
55641	TEMECULA VALLEY PIPE	1" CRD-L REPAIR KIT	190.13
55641	TEMECULA VALLEY PIPE	3/8" X 3/8" RESTRICTOR ASSEMBLY SS	193.25
55641	TEMECULA VALLEY PIPE	4" POWERROL REPAIR KIT 100PA	462.87
55641	TEMECULA VALLEY PIPE	6" RUBBER POWERROL REPAIR KIT	536.12
55641	TEMECULA VALLEY PIPE	CSM 11 PILOT ASSEMBLY KIT	2,830.23
55642	USA BLUE BOOK	Allegro Electric Blower System	1,077.77
55642	USA BLUE BOOK	Meter Box Lid Lifter	71.32
55642	USA BLUE BOOK	Graduated Beaker 50 mL	8.39
55642	USA BLUE BOOK	Analog Stirrer	62.31
55642	USA BLUE BOOK	Cross-Shaped Stirring Bar	7.36
55642	USA BLUE BOOK	Analog Stirrer	126.51
55642	USA BLUE BOOK	Graduated Beaker 50 mL	17.04
55642	USA BLUE BOOK	Cross-Shaped Stirring Bar	14.94
55642	USA BLUE BOOK	Membrane Kit for CL10	107.36
55642	USA BLUE BOOK	Electrolyte for CLT10	85.06
55642	USA BLUE BOOK	Electrolyte for CLF10	85.06
55642	USA BLUE BOOK	Repl. Salt Bridge	88.36
55642	USA BLUE BOOK	Standard Cell Sol'n	79.90
55643	CALIF BANK & TRUST VISA	1010-RW Office Supplies	27.19
55643	CALIF BANK & TRUST VISA	0926-RW Office Supplies	12.92
55643	CALIF BANK & TRUST VISA	1009-RW Office Supplies	9.69
55643	CALIF BANK & TRUST VISA	1001-RW Background Check for New Hire	9.00
55643	CALIF BANK & TRUST VISA	0924-RW Office Supply	0.99
55643	CALIF BANK & TRUST VISA	1005-RW Office Supplies	255.90
55643	CALIF BANK & TRUST VISA	1001-RW Lunch with Mark, Allen and Rich	31.71
55643	CALIF BANK & TRUST VISA	1008-AR New Hire Luncheon	117.45
55643	CALIF BANK & TRUST VISA	1007-AR New Hire Luncheon	21.57
55643	CALIF BANK & TRUST VISA	1013-AR Microsoft Office Renewal	99.99
55643	CALIF BANK & TRUST VISA	0927-AR Norton Antivirus for Office	109.99
55643	CALIF BANK & TRUST VISA	1002-AR Gmail for Office and Board Members	118.20
55643	CALIF BANK & TRUST VISA	0925-RW Log Me in to my PC	88.00
55644	Patriot General	Deposit Refund Meter Installation	2,828.59
55646	AT & T MOBILITY	FY 19/20 Cell Phone Service GM & AGM	109.92
55646	AT & T MOBILITY	FY 19/20 Cell Phone Service GM & AGM	109.92
55647	CONTROLLED ENVIRONMENTS LLC	FY 19/20 Weed Abatement	331.50
55647	CONTROLLED ENVIRONMENTS LLC	FY 19/20 Weed Abatement	331.50
55648	DENISE M. LANDSTEDT	SGMP GRANT	248.00

55648	DENISE M. LANDSTEDT	DACI GRANT	1,664.00
55649	DEPT OF FORESTRY & FIRE PROTEC	2 UINITS OF CREW WORK REIMBURSEMENT	400.00
55649	DEPT OF FORESTRY & FIRE PROTEC	ADMIN FEE	53.88
55650	FAIN DRILLING & PUMP, INC.	LONG REACH CRANE	650.00
55650	FAIN DRILLING & PUMP, INC.	TWO MAN HOURLY SERVICE RATE	5,600.00
55651	MARK QUINN	ACWA Training Mileage Reimbursement	76.79
55652	MCMMASTER-CARR SUPPLY CO	1/4" NIPPLE HEX BRASS	24.78
55652	MCMMASTER-CARR SUPPLY CO	3/8" X 3/8" BRASS FLARE ADAPTER 90o FL X NPT	60.88
55652	MCMMASTER-CARR SUPPLY CO	3/8" X 1/2" BRASS FLARE ADAPTER FL X NPT	35.34
55652	MCMMASTER-CARR SUPPLY CO	1/4" X 3/8" ELBOW BRASS 90o MIP X FL	33.94
55652	MCMMASTER-CARR SUPPLY CO	1/2" FLARE NUT	70.41
55652	MCMMASTER-CARR SUPPLY CO	3/8" BRASS COUPLING FLR X FLR	8.08
55652	MCMMASTER-CARR SUPPLY CO	3/8" X 3/8" SS COMP TUBE FITTING MALE ADAPTER NPT	60.99
55653	Michael Reeh Construction	Shop Restroom Rehab for Health & Safety Issues	5,500.00
55654	SAN DIEGO COUNTY TAX COLLECTOR	128-122-08-00	116.44
55654	SAN DIEGO COUNTY TAX COLLECTOR	Parcel #128-211-25-00	60.28
55655	STRADLING, YOCCA, CARLSON & RAUTH	August Legal Services-General	7,274.61
55655	STRADLING, YOCCA, CARLSON & RAUTH	July Legal Services-General	16,810.80
55655	STRADLING, YOCCA, CARLSON & RAUTH	July Legal Services-SGMA	6,715.00
55655	STRADLING, YOCCA, CARLSON & RAUTH	August Legal Services-SGMA	9,480.00
55655	STRADLING, YOCCA, CARLSON & RAUTH	July Legal Services-Rancho Corrido Annexation	784.00
55656	TKE Engineering, Inc	Forebay Engineering Services	14,080.35
55657	TRAN CONTROLS SCADA SOLUTIONS	SCADA Phase 2-PLC & Radio upgrade project	165.00
55657	TRAN CONTROLS SCADA SOLUTIONS	SCADA Phase 2-PLC & Radio upgrade project	335.00
55657	TRAN CONTROLS SCADA SOLUTIONS	SCADA Phase 2-PLC & Radio upgrade project	1,272.96
55657	TRAN CONTROLS SCADA SOLUTIONS	SCADA Phase 2-PLC & Radio upgrade project	2,584.49
55658	WESTERN WATER WORKS SUPPLY CO.	2" X 5" NIPPLE BRASS	78.44
55658	WESTERN WATER WORKS SUPPLY CO.	4" WELD FLANGE CL300 S/O	77.58
55658	WESTERN WATER WORKS SUPPLY CO.	1" X 2 1/2" METER TAILS J130	73.40
55658	WESTERN WATER WORKS SUPPLY CO.	4" RING GASKET CL150 NON ASB	68.11
55658	WESTERN WATER WORKS SUPPLY CO.	1" METER TAIL GASKET	67.34
55658	WESTERN WATER WORKS SUPPLY CO.	2" X 24" NIPPLE BRASS SMITCOP	145.34
55658	WESTERN WATER WORKS SUPPLY CO.	3" GATE VALVE CL150 FLANGED AWWA SPECS C509	1,118.51
55658	WESTERN WATER WORKS SUPPLY CO.	3" X 6" NIPPLE BRASS	132.12
55658	WESTERN WATER WORKS SUPPLY CO.	2" ELBOW BRASS 90o	110.21
55658	WESTERN WATER WORKS SUPPLY CO.	2" X 7" NIPPLE BRASS	109.60
55658	WESTERN WATER WORKS SUPPLY CO.	1" D-040 ARI	482.70
55658	WESTERN WATER WORKS SUPPLY CO.	2" METER FLANGE MIP J129M	153.61
55658	WESTERN WATER WORKS SUPPLY CO.	2" X 24" NIPPLE BRASS SMITCOP	96.89
55658	WESTERN WATER WORKS SUPPLY CO.	3/8" ELBOW BRASS 90o STREET	24.63
55658	WESTERN WATER WORKS SUPPLY CO.	4" WELD FLANGE CL150 S/O	33.60
55658	WESTERN WATER WORKS SUPPLY CO.	1/4" X 2" NIPPLE BRASS	11.64
55658	WESTERN WATER WORKS SUPPLY CO.	6" RING GASKET CL150 NON ASB	11.22
55658	WESTERN WATER WORKS SUPPLY CO.	1/4" X CLOSE NIPPLE BRASS	11.21
55658	WESTERN WATER WORKS SUPPLY CO.	3/8" X 1/4" NIPPLE BRASS	9.22
55658	WESTERN WATER WORKS SUPPLY CO.	3/4" X 2" NIPPLE BRASS	8.31
55658	WESTERN WATER WORKS SUPPLY CO.	3" WELD FLANGE CL300 S/O	20.83
55658	WESTERN WATER WORKS SUPPLY CO.	1/4" X 1/8" BRASS BUSHING RED	18.43
55658	WESTERN WATER WORKS SUPPLY CO.	3/4" X 3/8" BRASS BUSHING	17.78
55658	WESTERN WATER WORKS SUPPLY CO.	1/4" BRASS PLUG SOLID CORE SQUARE HEAD	15.41
55658	WESTERN WATER WORKS SUPPLY CO.	1" X 4" NIPPLE BRASS	28.10
55658	WESTERN WATER WORKS SUPPLY CO.	1" X CLOSE NIPPLE BRASS	13.06
55658	WESTERN WATER WORKS SUPPLY CO.	3/8" BRASS COUPLING FIP X FIP	27.05
55658	WESTERN WATER WORKS SUPPLY CO.	3/8" ELBOW BRASS 90o	27.05
55658	WESTERN WATER WORKS SUPPLY CO.	3" X 1/16" RING GASKET CL150 NON ASB	26.70
55658	WESTERN WATER WORKS SUPPLY CO.	3/4" BALL VALVE INLET BRONZE	25.89
55658	WESTERN WATER WORKS SUPPLY CO.	1/2" BALL VALVE INLET BRONZE	22.54
55658	WESTERN WATER WORKS SUPPLY CO.	2" ELBOW BRASS 45o	60.66
55658	WESTERN WATER WORKS SUPPLY CO.	2" PVC PLUG SCH40	55.97
55658	WESTERN WATER WORKS SUPPLY CO.	2" BRONZE ADAPTER IPS X IPS	47.52
55658	WESTERN WATER WORKS SUPPLY CO.	2" TEE BRASS	38.18
55658	WESTERN WATER WORKS SUPPLY CO.	1/2" X 3/8" BRASS BUSHING	12.87
55658	WESTERN WATER WORKS SUPPLY CO.	2" X 1" BRASS BUSHING	104.28
55658	WESTERN WATER WORKS SUPPLY CO.	4" STEEL PROTECTION POST INCREMENTS OF 21' ONLY	819.11
55658	WESTERN WATER WORKS SUPPLY CO.	6" WELD FLANGE CL150 S/O	155.81
55658	WESTERN WATER WORKS SUPPLY CO.	3" GATE VALVE CL150 FLANGED AWWA SPECS C509	559.25
55658	WESTERN WATER WORKS SUPPLY CO.	4" WELD FLANGE CL150 S/O	67.19
55659	Douglas F. Walters APC Trust Acct. FBO Richard S	Employment Contract Settlement - GM	85,140.00
DFT0000429	CALPERS -FISCAL SERVICES DIV.	1959 Survivor Benefit	0.97
DFT0000430	Employment Development Department	State Withholding	2,513.12
DFT0000432	EFTPS - Federal Payroll Tax	Federal Withholding	6,119.40
DFT0000432	EFTPS - Federal Payroll Tax	Medicare Withholding	1,050.62
DFT0000433	CALPERS -FISCAL SERVICES DIV.	1959 Survivor Benefit	-0.97
DFT0000437	CALIF BANK & TRUST VISA	Net Payroll PPE 10/04/19	31,985.08
DFT0000438	CALPERS -FISCAL SERVICES DIV.	PEPRA Member Contributions	557.38
DFT0000439	CALPERS -FISCAL SERVICES DIV.	PEPRA Employer Contribution	576.79
DFT0000440	CALPERS -FISCAL SERVICES DIV.	PERS Classic Member Contribution	2,387.55
DFT0000441	CALPERS -FISCAL SERVICES DIV.	PERS Employer Classic Member Contribution	4,296.99
DFT0000442	CALPERS 457 PLAN	SIP 457 Director Def Comp ER	90.00
DFT0000443	CALPERS -FISCAL SERVICES DIV.	1959 Survivor Benefit	10.67

DFT0000444	Employment Development Department	State Withholding	1,511.66
DFT0000445	Employment Development Department	SDI Withholding	332.64
DFT0000446	EFTPS - Federal Payroll Tax	Federal Withholding	3,463.24
DFT0000446	EFTPS - Federal Payroll Tax	Medicare Withholding	1,294.81
DFT0000459	CALPERS -FISCAL SERVICES DIV.	PERS Classic Member Contribution - Payroll Correction	-83.64
DFT0000460	CALPERS -FISCAL SERVICES DIV.	PERS Employer Classic Member Contribution - Pysl Corr	-150.53
DFT0000462	Employment Development Department	State Withholding - Payroll Correction	-98.39
DFT0000464	EFTPS - Federal Payroll Tax	Medicare Withholding - Payroll Correction	-24.74
DFT0000437	CALIF BANK & TRUST VISA	Net Payroll PPE 10/18/19	29,461.77
DFT0000478	CALPERS -FISCAL SERVICES DIV.	PEPRA Member Contributions	655.63
DFT0000479	CALPERS -FISCAL SERVICES DIV.	PEPRA Employer Contribution	678.47
DFT0000480	CALPERS -FISCAL SERVICES DIV.	PERS Classic Member Contribution	2,274.84
DFT0000481	CALPERS -FISCAL SERVICES DIV.	PERS Employer Classic Member Contribution	3,190.25
DFT0000482	CALPERS -FISCAL SERVICES DIV.	1959 Survivor Benefit	11.64
DFT0000483	Employment Development Department	State Withholding	1,251.11
DFT0000484	Employment Development Department	SDI Withholding	330.59
DFT0000485	EFTPS - Federal Payroll Tax	Federal Withholding	3,361.91
DFT0000485	EFTPS - Federal Payroll Tax	Medicare Withholding	1,210.43
DFT0000486	CALPERS -FISCAL SERVICES DIV.	PERS Classic Member Contribution - Payroll Correction	-19.40
DFT0000487	CALPERS -FISCAL SERVICES DIV.	PERS Employer Classic Member Contribution - Pysl Corr	-34.91
DFT0000489	Employment Development Department	State Withholding - Payroll Correction	-22.82
DFT0000490	Employment Development Department	SDI Withholding - Payroll Correction	-55.37
DFT0000491	EFTPS - Federal Payroll Tax	Federal Withholding - Payroll Correction	-49.08
DFT0000491	EFTPS - Federal Payroll Tax	Medicare Withholding - Payroll Correction	-7.02
<b>Grand Total:</b>			<b>\$1,534,976.47</b>





# Pooled Cash Report

Yuima Municipal Water District

For the Period Ending 10/31/2019

ACCOUNT #	ACCOUNT NAME	BEGINNING BALANCE	CURRENT ACTIVITY	CURRENT BALANCE	
<b>CLAIM ON CASH</b>					
<a href="#">01-1001-000</a>	Claim on Cash - General Fund	2,008,450.20	(517,688.98)	1,490,761.22	
<a href="#">02-1001-000</a>	Claim on Cash - IDA	3,048,428.32	576,287.52	3,624,715.84	
<a href="#">06-1001-000</a>	Claim on Cash - Fire Mitigation	(131.15)	1,091.60	960.45	
<a href="#">07-1001-000</a>	Claim on Cash - Fire Protection	191,689.30	65.90	191,755.20	
<a href="#">08-1001-000</a>	Claim on Cash - Annex 1	0.00	0.00	0.00	
<a href="#">09-1001-000</a>	Claim on Cash - Annex 2	0.00	0.00	0.00	
<a href="#">10-1001-000</a>	Claim on Cash - Yuima General Dist	1,104,859.90	(90,821.90)	1,014,038.00	
<a href="#">11-1001-000</a>	Claim on Cash - Energy Efficient Capital Project	0.00	0.00	0.00	
<a href="#">20-1001-000</a>	Claim on Cash - Improvement District Capital	(416,312.18)	(41,599.13)	(457,911.31)	
<b>TOTAL CLAIM ON CASH</b>		<b>5,936,984.39</b>	<b>(72,664.99)</b>	<b>5,864,319.40</b>	
<b>CASH IN BANK</b>					
<b>Cash in Bank</b>					
<a href="#">99-1000-000</a>	Petty Cash	500.00	0.00	500.00	
<a href="#">99-1000-010</a>	General Checking	324,138.29	(193,497.68)	130,640.61	
<a href="#">99-1100-015</a>	General Savings	10,046.54	0.68	10,047.22	
<a href="#">99-1100-016</a>	Fire Savings	24,979.03	1,091.60	26,070.63	
<a href="#">99-1100-017</a>	Official Pay Account	1,429.80	308.30	1,738.10	
<a href="#">99-1200-020</a>	LAIF State Treasury	3,809,905.50	127,864.84	3,937,770.34	
<a href="#">99-1300-030</a>	UBS Money Market	3,188.03	196,811.97	200,000.00	
<a href="#">99-1300-035</a>	Higgins Capital Management	7,325.00	(7,309.58)	15.42	
<a href="#">99-1400-041</a>	Sallie Mae - 795450L37	250,545.00	120.00	250,665.00	
<a href="#">99-1400-046</a>	Comenity Bank - 981996BZ3	199,366.00	(199,366.00)	0.00	
<a href="#">99-1400-049</a>	Goldman Sachs - 38148PCK1	99,928.00	104.00	100,032.00	
<a href="#">99-1400-050</a>	BMW Bank - 05580ALS1	252,842.50	85.00	252,927.50	
<a href="#">99-1400-051</a>	State Bank of India - 856285JY8	100,293.00	52.00	100,345.00	
<a href="#">99-1400-052</a>	Goldman Sachs - 38148PYP6	0.00	0.00	0.00	
<a href="#">99-1400-053</a>	Citi Bank - CUSIP17312QH51	250,827.50	125.00	250,952.50	
<a href="#">99-1400-054</a>	State Bank of India - 856285NT4	100,117.00	275.00	100,392.00	
<a href="#">99-1400-055</a>	UBS Bank UT - 90348JJX9	100,703.00	60.00	100,763.00	
<a href="#">99-1450-056</a>	Goldman Sachs Bank NY US	100,097.00	73.00	100,170.00	
<a href="#">99-1450-060</a>	U.S. Treasury Note 912828SH4	0.00	0.00	0.00	
<a href="#">99-1450-061</a>	U.S. Treasury Note 912828UU2	0.00	0.00	0.00	
<a href="#">99-1450-062</a>	U.S. Treasury Note 912828SN1	0.00	0.00	0.00	
<a href="#">99-1450-063</a>	U.S. Treasury Note 912828P53	0.00	0.00	0.00	
<a href="#">99-1450-064</a>	U.S. Treasury Note 912828J84	199,508.00	288.00	199,796.00	
<a href="#">99-1450-065</a>	U.S. Treasury Note 912796SD2	101,245.20	248.88	101,494.08	
<b>TOTAL: Cash in Bank</b>		<b>5,936,984.39</b>	<b>(72,664.99)</b>	<b>5,864,319.40</b>	
<b>TOTAL CASH IN BANK</b>		<b>5,936,984.39</b>	<b>(72,664.99)</b>	<b>5,864,319.40</b>	
<b>DUE TO OTHER FUNDS</b>					
<a href="#">99-2601-000</a>	Due to Other Funds	5,936,984.39	(72,664.99)	5,864,319.40	
<b>TOTAL DUE TO OTHER FUNDS</b>		<b>5,936,984.39</b>	<b>(72,664.99)</b>	<b>5,864,319.40</b>	
<b>Claim on Cash</b>	5,864,319.40	<b>Claim on Cash</b>	5,864,319.40	<b>Cash in Bank</b>	5,864,319.40
<b>Cash in Bank</b>	5,864,319.40	<b>Due To Other Funds</b>	5,864,319.40	<b>Due To Other Funds</b>	5,864,319.40
<b>Difference</b>	0.00	<b>Difference</b>	0.00	<b>Difference</b>	0.00

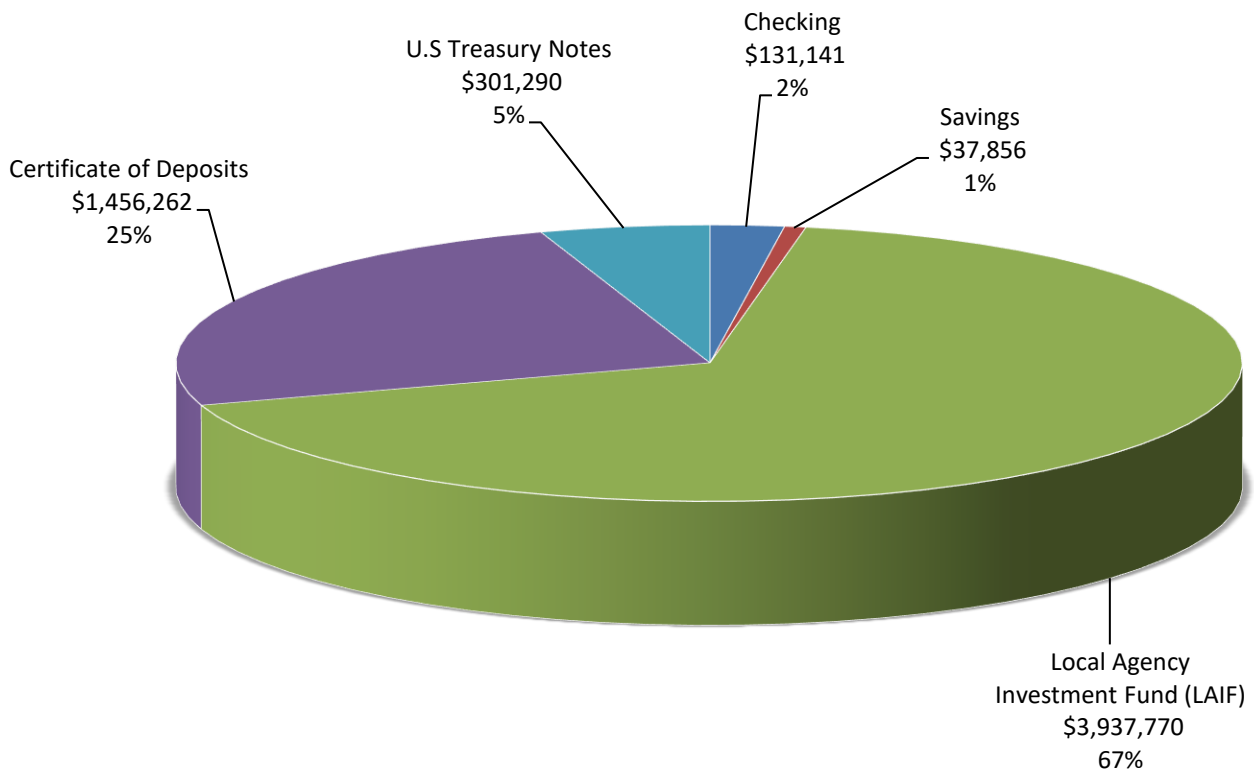
ACCOUNT #	ACCOUNT NAME	BEGINNING BALANCE	CURRENT ACTIVITY	CURRENT BALANCE	
<b><u>ACCOUNTS PAYABLE PENDING</u></b>					
<a href="#">01-2555-000</a>	AP Pending - General District	6,512.81	(84,100.10)	(77,587.29)	
<a href="#">02-2555-000</a>	AP Pending - IDA	0.00	0.00	0.00	
<a href="#">07-2555-000</a>	AP Pending - Fire Protection	0.00	0.00	0.00	
<a href="#">08-2555-000</a>	AP Pending - Annex 1	0.00	0.00	0.00	
<a href="#">09-2555-000</a>	AP Pending - Annex 2	0.00	0.00	0.00	
<a href="#">10-2555-000</a>	AP Pending - Yuima General District Capital	0.00	0.00	0.00	
<a href="#">11-2555-000</a>	AP Pending - Energy Efficient Capital	0.00	0.00	0.00	
<a href="#">20-2555-000</a>	AP Pending - Improvement District	0.00	0.00	0.00	
<b>TOTAL ACCOUNTS PAYABLE PENDING</b>		<u>6,512.81</u>	<u>(84,100.10)</u>	<u>(77,587.29)</u>	
<b><u>DUE FROM OTHER FUNDS</u></b>					
<a href="#">99-1501-000</a>	Due From General District	(6,512.81)	84,100.10	77,587.29	
<a href="#">99-1502-000</a>	Due From IDA	0.00	0.00	0.00	
<a href="#">99-1506-000</a>	Due From Fire Mitigation	0.00	0.00	0.00	
<a href="#">99-1507-000</a>	Due From Fire Protection	0.00	0.00	0.00	
<a href="#">99-1508-000</a>	Due From Annex #1	0.00	0.00	0.00	
<a href="#">99-1509-000</a>	Due From Annex #2	0.00	0.00	0.00	
<a href="#">99-1510-000</a>	Due From General District Capital	0.00	0.00	0.00	
<a href="#">99-1511-000</a>	Due From Energy Efficient Capital Project	0.00	0.00	0.00	
<a href="#">99-1520-000</a>	Due From Improvement District A Capital	0.00	0.00	0.00	
<b>TOTAL DUE FROM OTHER FUNDS</b>		<u>(6,512.81)</u>	<u>84,100.10</u>	<u>77,587.29</u>	
<b><u>ACCOUNTS PAYABLE</u></b>					
<a href="#">99-2555-000</a>	Accounts Payable	6,512.81	(84,100.10)	(77,587.29)	
<b>TOTAL ACCOUNTS PAYABLE</b>		<u>6,512.81</u>	<u>(84,100.10)</u>	<u>(77,587.29)</u>	
<b>AP Pending</b>	(77,587.29)	<b>AP Pending</b>	(77,587.29)	<b>Due From Other Funds</b>	(77,587.29)
<b>Due From Other Funds</b>	(77,587.29)	<b>Accounts Payable</b>	(77,587.29)	<b>Accounts Payable</b>	(77,587.29)
<b>Difference</b>	<u>0.00</u>	<b>Difference</b>	<u>0.00</u>	<b>Difference</b>	<u>0.00</u>

# Yuima Municipal Water District

## Cash and Investments

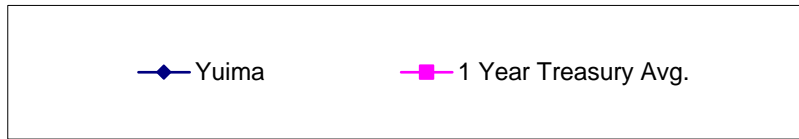
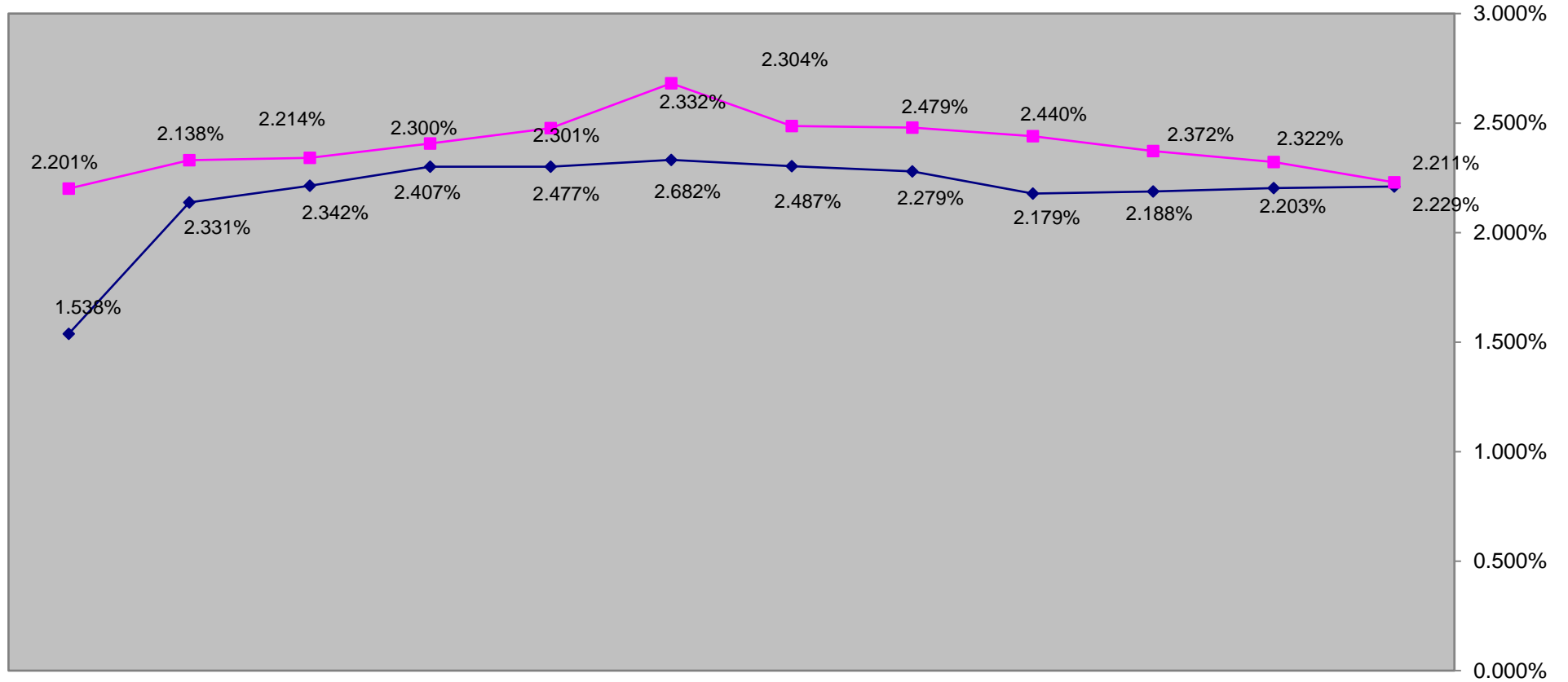
October 31, 2019

5,864,319.40



# Aggregate Yuima Portfolio Yield

October 2018 - October 2019





# State of California Pooled Money Investment Account Market Valuation 10/31/2019

Description	Carrying Cost Plus Accrued Interest Purch.	Fair Value	Accrued Interest
United States Treasury:			
Bills	\$ 18,043,697,755.06	\$ 18,249,131,500.00	NA
Notes	\$ 29,484,737,153.81	\$ 29,634,527,000.00	\$ 143,183,206.00
Federal Agency:			
SBA	\$ 602,537,762.82	\$ 599,454,221.99	\$ 1,385,769.22
MBS-REMICs	\$ 19,496,487.38	\$ 20,127,395.86	\$ 91,051.79
Debentures	\$ 2,293,822,254.52	\$ 2,309,828,300.00	\$ 12,049,487.10
Debentures FR	\$ -	\$ -	\$ -
Debentures CL	\$ 550,000,000.00	\$ 550,550,000.00	\$ 2,230,708.50
Discount Notes	\$ 11,206,480,041.63	\$ 11,264,441,500.00	NA
Supranational Debentures	\$ 564,182,969.54	\$ 569,075,600.00	\$ 1,507,050.75
Supranational Debentures FR	\$ 200,220,716.29	\$ 200,308,796.77	\$ 257,497.68
CDs and YCDs FR	\$ 300,000,000.00	\$ 300,000,000.00	\$ 969,704.94
Bank Notes	\$ 600,000,000.00	\$ 599,915,202.88	\$ 3,098,416.66
CDs and YCDs	\$ 15,225,000,000.00	\$ 15,230,071,755.90	\$ 73,897,166.72
Commercial Paper	\$ 6,642,211,791.69	\$ 6,669,994,818.04	NA
Corporate:			
Bonds FR	\$ -	\$ -	\$ -
Bonds	\$ -	\$ -	\$ -
Repurchase Agreements	\$ -	\$ -	\$ -
Reverse Repurchase	\$ -	\$ -	\$ -
Time Deposits	\$ 4,836,240,000.00	\$ 4,836,240,000.00	NA
AB 55 & GF Loans	\$ 790,143,065.01	\$ 790,143,065.01	NA
<b>TOTAL</b>	<b>\$ 91,358,769,997.75</b>	<b>\$ 91,823,809,156.45</b>	<b>\$ 238,670,059.36</b>

Fair Value Including Accrued Interest \$ 92,062,479,215.81

Repurchase Agreements, Time Deposits, AB 55 & General Fund loans, and Reverse Repurchase agreements are carried at portfolio book value (carrying cost).



# CALIFORNIA STATE TREASURER FIONA MA, CPA



## PMIA Performance Report

Date	Daily Yield*	Quarter to Date Yield	Average Maturity (in days)
11/04/19	2.14	2.18	208
11/05/19	2.14	2.18	208
11/06/19	2.14	2.18	208
11/07/19	2.12	2.18	213
11/08/19	2.12	2.18	214
11/09/19	2.12	2.18	214
11/10/19	2.12	2.18	214
11/11/19	2.12	2.18	214
11/12/19	2.12	2.17	212
11/13/19	2.11	2.17	212
11/14/19	2.10	2.17	213
11/15/19	2.10	2.17	216
11/16/19	2.10	2.17	216
11/17/19	2.10	2.17	216
11/18/19	2.10	2.16	215
11/19/19	2.10	2.16	214
11/20/19	2.09	2.16	212
11/21/19	2.08	2.16	213
11/22/19	2.08	2.16	212
11/23/19	2.08	2.16	212
11/24/19	2.08	2.16	212
11/25/19	2.08	2.15	212
11/26/19	2.08	2.15	211
11/27/19	2.07	2.15	220
11/28/19	2.07	2.15	220
11/29/19	2.07	2.15	220
11/30/19	2.07	2.15	218
12/01/19	2.07	2.15	217
12/02/19	2.07	2.15	219
12/03/19	2.07	2.14	218
12/04/19	2.07	2.14	218

\*Daily yield does not reflect capital gains or losses

[View Prior Month Daily Rates](#)

## LAIF Performance Report

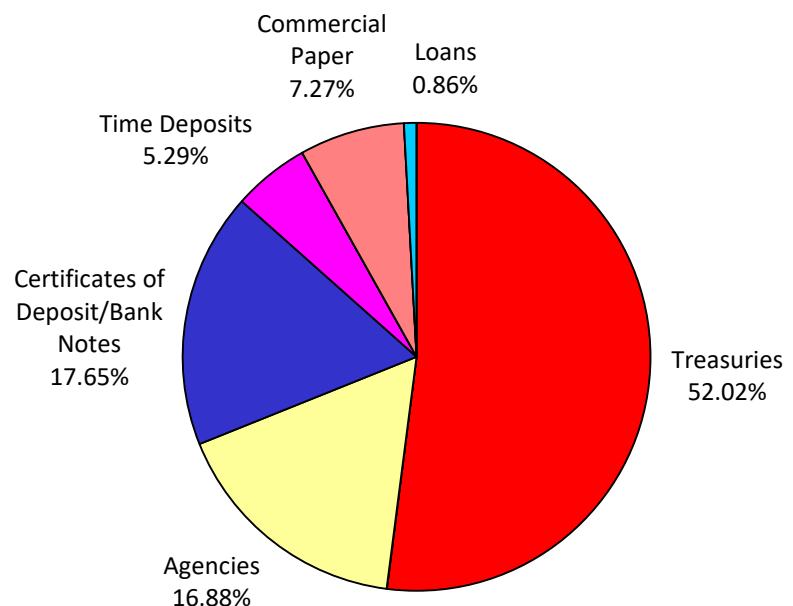
Quarter Ending 09/30/19

Apportionment Rate: 2.45  
 Earnings Ratio: .00006701807521016  
 Fair Value Factor: 1.001642817  
     Daily: 2.25%  
 Quarter to Date: 2.34%  
 Average Life: 185

### PMIA Average Monthly Effective Yields

**Nov 2019 2.103**  
 Oct 2019 2.190  
 Sep 2019 2.280

## Pooled Money Investment Account Portfolio Composition 10/31/19 \$91.4 billion



Percentages may not total 100% due to rounding

*Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) and interest earned on the Wildfire Fund loan pursuant to Public Utility Code 3288 (a).  
 Based on data available as of 12/04/2019*

# *President's Special Recognition Award*

*The President of the  
ACWA JPIA  
hereby gives Special Recognition to*

## *Yuima Municipal Water District*

*for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"  
in the Liability Program for the period 10/01/2015 - 09/30/2018  
announced at the Board of Directors' Meeting in San Diego.*



*E. G. "Jerry" Gladbach, President*



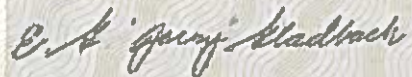
*December 02, 2019*

# *President's Special Recognition Award*

*The President of the  
ACWA JPIA  
hereby gives Special Recognition to*

## *Yuima Municipal Water District*

*for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"  
in the Property Program for the period 04/01/2015 - 03/31/2018  
announced at the Board of Directors' Meeting in San Diego.*



*E. G. "Jerry" Gladbach, President*



*December 02, 2019*



III.  
ACTION & DISCUSSION



**December 16, 2019**

**TO: Honorable President and Board of Directors**

**FROM: Amy Reeh, Assistant General Manager**

**SUBJECT: Public Hearing to receive comments and consider adoption of the proposed modification to future automatic increase or decreases in CWA / MET wholesale fixed cost pass through charges.**

**PURPOSE:** To hear comments and consider adopting a resolution to automatically adjust the rates and charges associated with the wholesale fixed costs charge to the District by the San Diego County Water Authority (SDCWA) and the Metropolitan Water District. Currently, these charges are passed through to our customers using the same methodology used by SDCWA in charging the District.

**SUMMARY:** This would allow the District to automatically increase or decrease the pass-through charges to the customers for five years without having to conduct a Prop 218 hearing procedure. This adjustment only applies to the existing pass-through charges.

**RECOMMENDATIONS:** That, after holding the public hearing, should the Board agree, adopt the resolution as presented.

**SUBMITTED BY:**

A handwritten signature in blue ink that reads "Amy Reeh".

**Amy Reeh  
Assistant General Manager**

**RESOLUTION NO. \_\_\_\_\_**

**RESOLUTION OF THE BOARD OF DIRECTORS OF  
THE YUIMA MUNICIPAL WATER DISTRICT  
ADOPTING SCHEDULE OF RATES, RENTALS,  
FEES, DEPOSITS AND CHARGES AND  
AMENDING RULES AND REGULATIONS  
GOVERNING WATER SERVICE**

**(Schedule of Rates, Rentals, Fees, Deposits &  
Charges Section 15.3.1)**

WHEREAS, from time to time the schedule of rates, rentals, fees, deposits and charges must to be adjusted to reflect the district costs, and

WHEREAS, the board has reviewed and approved a revised schedule of wholesale fixed cost charges; and determined that this schedule be adequate to recover, but not to exceed, the full cost of providing that service; and

WHEREAS, the District's rates are structured so that each customer's bill adequately reflects the cost of service to the customer; and

WHEREAS, the District's modification to the Fixed Costs may be automatically adjusted during a 5 year period following the effective date of the modification, as and to the extent permitted by section 53756(c) of the Government Code, to pass through any increases and decreases in SDCWA's and / or MWDSC's wholesale charges for water.

NOW THEREFORE BE IT RESOLVED by the board of Directors of YUIMA MUNICIPAL WATER DISTRICT that Section 15.3.1 of the District's Rules and Regulations Governing Water Service are hereby amended as provided in the attachment hereto, and the substitute pages also attached hereto is hereby approved for incorporation into the District's Rules and Regulations.

PASSED AND ADOPTED this 16<sup>th</sup> day of December, 2019 at a special meeting of the Board of Directors of YUIMA MUNICIPAL WATER DISTRICT by the following roll-call vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN

---

Ron W. Watkins, President  
Yuima Municipal Water District

ATTEST:

---

Don Broomell, Secretary  
Yuima Municipal Water District

Lot to	3 acres	Under 1"
3+ to	8 acres	1"
8+ to	16 acres	1 1/2"
16+ to	20 acres	2"
20+ to	60 acres	3"
60+ to	80 acres	4"
80+ to	105 acres	5"
105+ to	216 acres	6"
216+ to	450 acres	8"

**SAN DIEGO COUNTY WATER AUTHORITY – CAPACITY CHARGES:**

Meter Size (Inches)	Factor	System Capacity Charge	Water Treatment Capacity Charge
Less than 1"	1	5,267	146
1"	1.6	8,428	233
1 1/2"	3	15,802	437
2"	5.2	27,390	757
3"	9.6	50,566	1,398
4"	16.4	86,383	2,389
6"	30	158,018	4,370
8"	52	273,898	7,574
10"	78	410,847	11,361
12"	132	695,279	19,226

The San Diego County Water Authority Capacity Charges are a direct pass through. Charges are collected at the time of meter application and remitted to the San Diego County Water Authority. Effective 1/1/2019

**15.3.1 SDCWA & MET FIXED CHARGES**

	2018/19CY 2020
Capacity Allocation / Reservation Charge (MET Fixed Charge)	\$109,979118,974
Customer Service Charge (CWA Fixed Charge)	\$240,243294,366
Storage Charge (CWA Fixed Charge)	\$103,640194,407
Supply Reliability Charge (CWA Fixed Charge)	\$36,67486,474
Readiness-to-Serve Charge (MET Fixed Charge)	\$105,361137,488

The SDCWA & MET Fixed Charges are levied as *direct pass through* based on the same methodology as SDCWA & MET uses to allocate the charges to the District. These charges or credits will show as a separate line item on the water bill based on each customers rolling average.

**16.1**

**QUANTITY CHARGE:**

		(Regular Service) *
		Rate per 100
		Cubic Feet
Agricultural Service (TSAWR)	\$	3.2606 (rate code C & A)
Agricultural Interruptible Service	\$	3.2606 (rate code G)
Domestic M&I & Agricultural Commercial Service		4.2490 (rate code B & C)



**December 16, 2019**

**TO: Honorable President and Board of Directors**

**FROM: Amy Reeh, Assistant General Manager**

**SUBJECT: Ordinance Implementing a Meter Moratorium**

**PURPOSE:** To conduct the second reading and possible approval of the proposed Ordinance to implement a moratorium on the installation of meters larger than 1" within the Yuima General District and Improvement District A.

**SUMMARY:** At the September 30, 2019 Board of Directors meeting the Board was provided documentation and participated in discussion regarding the current operation and capacity limitations of the District's water delivery system. After discussion, the Board directed staff to bring an Ordinance to impose a meter moratorium to the Board for approval.

Procedure for adopting an Ordinance requires the Board to conduct a first and second reading prior to adoption; this is the second reading.

**RECOMMENDATIONS:** That, should the Board agree, adopt the Ordinance as presented.

**SUBMITTED BY:**

A handwritten signature in blue ink that reads "Amy Reeh".

**Amy Reeh**  
**Assistant General Manager**

**ORDINANCE NO. \_\_\_\_\_**

**AN ORDINANCE OF THE YUIMA MUNICIPAL WATER DISTRICT FINDING THE EXISTENCE OF AN EMERGENCY CAUSED BY A THREATENED WATER SHORTAGE AND ESTABLISHING RESTRICTIONS PURSUANT TO SECTION 71640 OF THE CALIFORNIA WATER CODE**

**WHEREAS**, over the years the Board of Directors (the “Board of Directors”) of the Yuima Municipal Water District (the “District”) has implemented a variety of water conservation policies, established various restrictions and conducted studies to determine what regulations and restrictions on the delivery and consumption of District water would conserve the District water supply for the benefit of the District, its residents and the property located within its jurisdictional boundaries;

**WHEREAS**, on March 17, 1978, the Board of Directors adopted Ordinance No. 38-78, imposing interim restrictive regulations to conserve water to meet threatened water shortages during peak demand periods caused by lack of District storage and supply facilities; and

**WHEREAS**, September 17, 1982, the Board of Directors adopted Ordinance No. 54-82, finding the continued existence of an emergency caused by a threatened water shortage within the District’s service area, providing for a staff study for water conservation recommendations, providing for certain interim restrictions pending proposed adoption of regulations and restrictions on water delivery and consumption and repealing Ordinance No. 38-78;

**WHEREAS**, on or about September 30, 2019, the District’s General Manager submitted to the Board of Directors a written report regarding the District’s water source, transmission and storage capacity (the “2019 Water Report”) (a copy of the 2019 Water Report is attached hereto as Exhibit “A” and incorporated herein) that included, among other things, suggested methods for controlling future water demands; and

**WHEREAS**, pursuant to section 71640 of the California Water Code, the District may restrict the use of District water during a drought emergency or other water shortage condition and may prohibit the wastage of district water or the nonessential use of District water during such periods for any purpose other than household uses or other restricted uses as the District determines to be necessary; and

**WHEREAS**, pursuant to section 71641 of the California Water Code and section 6061 of the California Government Code, the District must publish in a newspaper of general circulation any ordinance setting forth the restrictions, prohibitions, and exclusions determined to be necessary under section 71640 of the California Water Code within 10 days after its adoption, even though such ordinance is effective upon adoption; and

**WHEREAS**, the Board of Directors has determined that the conditions described in Ordinance No. 54-82 and the 2019 Water Report still exist to such a degree and extent as to constitute an emergency caused by threatened or existing water shortage within the meaning of section 71640 of the California Water Code; and

**WHEREAS**, the Board of Directors has determined that it is necessary to now establish a temporary moratorium on the connection of any new water meters larger than one inch in size until such time as the Board of Directors determines that the District's infrastructure shall be expanded to meet anticipated future demands.

**NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE YUIMA MUNICIPAL WATER DISTRICT DOES ORDAIN AS FOLLOWS:**

**Section 1.** The foregoing recitals and findings are incorporated herein and constitute a substantive part of this Ordinance.

**Section 2.** As of the effective date of this Ordinance, the District shall not connect to the District's water system any new meter larger than one inch in size. The restriction established by this section shall remain in effect until the Board of Directors determines it is no longer necessary, which determination may be made by resolution or ordinance.

**Section 3.** The District's General Manager may grant an exemption from the restriction established in Section 2 of this Ordinance upon finding that the otherwise prohibited connection is reasonably necessary for the protection of life or property. The District's General Manager shall provide the Board of Directors a written explanation concerning any exemption granted pursuant to this section, which shall include the facts and circumstances upon which the General Manager determined the connection was reasonably necessary for the protection of life or property.

**Section 4.** If any section, subsection, sentence, clause, phrase or portion of this Ordinance is held for any reason to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. The Board of Directors hereby declares that it would have adopted this Ordinance and each section, subsection, sentence, clause, phrase or portion thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, phrases or portions be declared invalid or unconstitutional.

**Section 5.** This Ordinance shall be effective immediately upon adoption as provided by Section 71641 of the California Water Code.

**Section 6.** The President shall sign and the Secretary shall certify to the passage of this Ordinance and see that it is published and posted in the manner required by law. In particular, the Secretary shall see that within ten (10) days after its adoption, this Ordinance is published pursuant to Section 6061 of the California Government Code in full in a newspaper of general circulation that is printed, published, and circulated in the District.



I, Don Broomell, Secretary of the Yuima Municipal Water District, do hereby certify that the foregoing ordinance was regularly introduced and placed upon its first reading on the 28<sup>th</sup> day of October, 2019, and placed upon its second reading and adopted at a special meeting of the Board of Directors on the 16th day of December, 2019 by the vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

APPROVED:

---

Don Broomell  
Secretary  
Yuima Municipal Water District

---

Ron W. Watkins  
President  
Yuima Municipal Water District

**EXHIBIT "A"**

**[Insert 2019 Water Report]**

DRAFT



December 16, 2019

**TO: Honorable President and Board of Directors**

**FROM: Amy Reeh, Assistant General Manager**

**SUBJECT: Proposed Resolution amending the Water Rules & Regulations to reflect SDCWA's current new meter capacity charges effective January 1, 2020.**

**PURPOSE:** To amend the District's Rule & Regulations Governing Water Service to reflect the SDCWA's new capacity charges

**SUMMARY:** SDCWA Capacity charges for new meter installation will increase effective January 1, 2020 and the District's Rules & Regulations needs to reflect the current rates imposed by SDCWA.

**RECOMMENDATIONS:** That the Board adopt the Resolution as presented.

**SUBMITTED BY:**

A handwritten signature in blue ink that reads "Amy Reeh". The signature is written in a cursive style and is positioned above a horizontal line.

**Amy Reeh**  
**Assistant General Manager**

**RESOLUTION NO. \_\_\_\_\_**

**RESOLUTION OF THE BOARD OF DIRECTORS OF  
THE YUIMA MUNICIPAL WATER DISTRICT  
ADOPTING SCHEDULE OF RATES, RENTALS,  
FEES, DEPOSITS AND CHARGES AND  
AMENDING RULES AND REGULATIONS  
GOVERNING WATER SERVICE**

**(Schedule of Rates, Rentals, Fees, Deposits &  
Charges Section 14.7)**

WHEREAS, from time to time the schedule of rates, rentals, fees, deposits and charges must to be adjusted to reflect the district costs, and

WHEREAS, the board has reviewed and approved a revised schedule of capacity charges; and determined that this schedule be incorporated into the district rules and regulations governing water service.

NOW THEREFORE BE IT RESOLVED by the board of Directors of YUIMA MUNICIPAL WATER DISTRICT that Section 14.7 of the District's Rules and Regulations Governing Water Service are hereby amended as provided in the attachment hereto, and the substitute pages also attached hereto is hereby approved for incorporation into the District's Rules and Regulations.

PASSED AND ADOPTED this 16<sup>th</sup> day of December, 2019 at a special meeting of the Board of Directors of YUIMA MUNICIPAL WATER DISTRICT by the following roll-call vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN

---

Ron W. Watkins, President  
Yuima Municipal Water District

ATTEST:

---

Don Broomell, Secretary  
Yuima Municipal Water District

Lot to 3 acres	Under 1"
3+ to 8 acres	1"
8+ to 16 acres	1 1/2"
16+ to 20 acres	2"
20+ to 60 acres	3"
60+ to 80 acres	4"
80+ to 105 acres	5"
105+ to 216 acres	6"
216+ to 450 acres	8"

**SAN DIEGO COUNTY WATER AUTHORITY – CAPACITY CHARGES:**

Meter Size (Inches)	Factor	System Capacity Charge	Water Treatment Capacity Charge
Less than 1"	1	<u>5,2675,301</u>	<u>146147</u>
1"	1.6	<u>8,4288,482</u>	<u>233235</u>
1 1/2"	3	<u>15,80215,903</u>	<u>437441</u>
2"	5.2	<u>27,39027,565</u>	<u>757764</u>
3"	9.6	<u>50,56650,890</u>	<u>1,3981,411</u>
4"	16.4	<u>86,38386,936</u>	<u>2,3892,411</u>
6"	30	<u>158,018159,030</u>	<u>4,3704,410</u>
8"	52	<u>273,898275,652</u>	<u>7,5747,644</u>
10"	78	<u>410,847413,478</u>	<u>11,36111,466</u>
12"	132	<u>695,279699,732</u>	<u>19,22619,404</u>

The San Diego County Water Authority Capacity Charges are a direct pass through. Charges are collected at the time of meter application and remitted to the San Diego County Water Authority. Effective 1/1/~~2019~~2020

**15.3.1 SDCWA & MET FIXED CHARGES**

	<u>2018/19CY 2020</u>
Capacity Allocation / Reservation Charge (MET Fixed Charge)	<u>\$109,979118,974</u>
Customer Service Charge (CWA Fixed Charge)	<u>\$240,243294,366</u>
Storage Charge (CWA Fixed Charge)	<u>\$103,640194,407</u>
Supply Reliability Charge (CWA Fixed Charge)	<u>\$36,67486,474</u>
Readiness-to-Serve Charge (MET Fixed Charge)	<u>\$105,361137,488</u>

The SDCWA & MET Fixed Charges are levied as *direct pass through* based on the same methodology as SDCWA & MET uses to allocate the charges to the District. These charges or credits will show as a separate line item on the water bill based on each customers rolling average.

**16.1**

**QUANTITY CHARGE:**

(Regular Service) \*

Rate per 100

Cubic Feet

Agricultural Service (TSAWR) \$ 3.2606 (rate code C & A)

Agricultural Interruptible Service \$ 3.2606 (rate code G)

Domestic M&I & Agricultural Commercial Service 4.2490 (rate code B & C)



**December 16, 2019**

**TO: Honorable President and Board of Directors**

**FROM: Amy Reeh, Assistant General Manager**

**SUBJECT: Proposed resolution updating the authorized signers on the bank accounts and wire transfers (Action Items 4 & 5).**

**PURPOSE:** To revise the authorized signers for all bank accounts and authorize wire transfers with California Bank & Trust.

**SUMMARY:** Update authorized signers on bank accounts and to make wire transfers.

**RECOMMENDATIONS:** That the Board adopt the Resolutions as presented.

**SUBMITTED BY:**

A handwritten signature in blue ink that reads "Amy Reeh". The signature is written in a cursive style and is positioned above a horizontal line.

**Amy Reeh**  
**Assistant General Manager**

**RESOLUTION NO. \_\_\_\_\_**  
**RESOLUTION OF THE BOARD OF DIRECTORS OF**  
**YUIMA MUNICIPAL WATER DISTRICT**  
**AUTHORIZING CHECKING, SAVINGS AND INVESTMENT ACCOUNTS**  
**WITH VARIOUS BANKING INSTITUTIONS AND**  
**RESCINDING RESOLUTION 1767-18**

WHEREAS, by prior resolution this District has established checking, savings, and investment accounts with various banking institutions and authorized signers for the withdrawal or deposit of funds; and

WHEREAS, from time to time the board of directors or staff members change resulting in a change in the authorized signers.

NOW THEREFORE BE IT RESOLVED, that this District establish checking, savings, and investment accounts with various banking institutions and the President and Secretary of this District are hereby authorized to establish such accounts upon such terms as may be agreed with Bank, and the following persons:

Ron Watkins, President	_____
Roland Simpson, Vice-President	_____
Don Broomell, Secretary / Treasurer	_____
Laney Villalobos, Director	_____
Stephen H. Wehr, Director	_____
Amy Reeh, Finance & Administrative Services Manager	_____

are authorized "any Two Acting Together" to withdraw funds from said accounts by check, drafts or other items including those done electronically, for and on behalf of this District.

RESOLVED FURTHER, that the authority hereby conferred shall remain in force until revocation thereof by sealed notification to Bank of such action by the Board of Directors of the District is received by Bank at the office where such accounts are maintained.

The undersigned, Secretary of Yuima Municipal Water District, hereby certifies that the foregoing Resolution was adopted by the Board of Directors of said District at a special meeting held December 16, 2019, and Resolution 1767-18 is hereby rescinded. That the signatures appearing on the Resolution are those of persons now duly authorized to sign on behalf of said District in accordance with said Resolution. Passed by the following roll count vote to wit:

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

ATTEST:

\_\_\_\_\_  
Ron Watkins, President

\_\_\_\_\_  
Don Broomell, Secretary / Treasurer

**RESOLUTION NO. \_\_\_\_\_**  
**RESOLUTION OF THE BOARD OF DIRECTORS OF**  
**YUIMA MUNICIPAL WATER DISTRICT**  
**AUTHORIZING ENTRY INTO WIRE TRANSFER AUTHORIZATION**  
**AND AGREEMENT WITH CALIFORNIA BANK & TRUST AND**  
**RESCINDING RESOLUTION NO. 1766-18**

By prior resolution this District has established checking, savings, and investment accounts with California Bank & Trust, accounts under which individuals have been authorized pursuant to signature cards to execute instruments for withdrawal or deposit of funds. The Yuima Municipal Water District desires to wire transfer funds to or from said California Bank & Trust checking account by means of written instructions. The persons authorized to order and confirm wire transfers are as follows:

Ron Watkins, President \_\_\_\_\_

Don Broomell, Secretary / Treasurer \_\_\_\_\_

Amy Reeh, Finance & Administrative  
Services Manager \_\_\_\_\_

Abigail Champaco, Accountant \_\_\_\_\_

any two acting together to execute said transfers to or from Yuima Municipal Water District checking account held with California Bank & Trust for and on behalf of this District and authorize the President and Interim Manager to execute the agreement.

RESOLVED FURTHER, that the authority hereby conferred shall remain in force until revocation thereof by sealed notification to Bank of such action by the Board of Directors of the District is received by Bank at the office where such accounts are maintained.

The undersigned, Secretary of Yuima Municipal Water District, hereby certifies that the foregoing Resolution was adopted by the Board of Directors of said District at a special meeting held December 16, 2019, and that Resolution No. 1766-18 is hereby rescinded. That the signatures appearing on this Resolution are those of persons now duly authorized to wire transfer funds to or from Yuima Municipal Water District accounts on behalf of this District. Passed by the following roll-call vote:

AYES:  
NOES: \_\_\_\_\_  
ABSENT: Ron Watkins, President  
ABSTAIN:

ATTEST:

\_\_\_\_\_  
Don A. Broomell, Secretary/Treasurer





**December 16, 2019**

**TO: Honorable President and Board of Directors**

**FROM: Amy Reeh, Assistant General Manager**

**SUBJECT: To revise existing Service Agreement with Rancho Estates**

**PURPOSE:** Rancho Estates requested to revise their existing agreement with the district to include limited and specific repair work as described in the revised agreement as presented.

**SUMMARY:** To revise Rancho Estates Service Agreement

**RECOMMENDATIONS:** That, should the Board agree, the Board adopt the Resolution as presented.

**SUBMITTED BY:**

A handwritten signature in blue ink that reads "Amy Reeh".

**Amy Reeh  
Assistant General Manager**

**RESOLUTION NO. \_\_\_\_\_**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF YUIMA MUNICIPAL WATER DISTRICT  
AUTHORIZING AGREEMENT FOR EMERGENCY AND  
SUPPORT SERVICES FOR THE  
RANCHO ESTATES MUTUAL WATER COMPANY  
AND RESCINDING RESOLUTION NO. 1835-19**

WHEREAS, the Rancho Estates Mutual Water Company has requested emergency and support services for their mutual water company; and

WHEREAS, by prior resolution this district has entered into an agreement to provide emergency support services for their mutual water company; and

WHEREAS, the Rancho Estates Mutual Water Company is a cooperative mutual corporation formed for the purpose of delivering water to its shareholders. The Rancho Estates Mutual Water Company's service areas is within the boundaries of YUIMA and its territory is included within the San Diego County Water Authority and the Metropolitan Water District of Southern California; and

WHEREAS, Yuima agrees, in the event of an emergency or other rare and unusual adverse event or circumstance outside the scope of normal operations, to the extent that Yuima's resources are available in the sole discretion of Yuima's General Manager, to provide assistance to the Rancho Estates Mutual Water Company; and

WHEREAS, it is agreed that nothing in the Agreement shall obligate YUIMA to provide any of the services or materials.

THEREFORE, BE IT RESOLVED, that the Agreement for Emergency and Support Services dated January 1, 2020 between YUIMA MUNICIPAL WATER DISTRICT and RANCHO ESTATES MUTUAL WATER COMPANY, a copy of which is attached hereto, is hereby approved and the President of the District, is hereby authorized and directed to execute said Agreement for and on behalf of this District.

PASSED AND ADOPTED at a special meeting of the Board of Directors of YUIMA MUNICIPAL WATER DISTRICT this 16<sup>th</sup> day of December 2019 by the following roll-call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

\_\_\_\_\_  
Ron W. Watkins, President

\_\_\_\_\_  
Don Broomell, Secretary/Treasurer

**EMERGENCY AND SUPPORT SERVICES AGREEMENT  
RANCHO ESTATES MUTUAL WATER COMPANY**

THIS AGREEMENT is made Jan 1, 2020, between YUIMA MUNICIPAL WATER DISTRICT ("YUIMA") and RANCHO ESTATES MUTUAL WATER COMPANY, a California corporation ("RANCHO ESTATES"), in view of the following facts:

1. YUIMA is a municipal water district organized under the laws of the State of California. YUIMA is a member agency of San Diego County Water Authority and its territory is included within the Metropolitan Water District of Southern California. As such member agency, YUIMA is entitled to purchase water from Water Authority and has constructed a pipeline and other works for the transmission of water from the aqueduct of the Water Authority into the district, together with facilities for the transmission and delivery of water into the distribution system of RANCHO ESTATES.

2. RANCHO ESTATES is a cooperative mutual corporation formed for the purpose of delivering water to its shareholders. It holds water rights in the stream system of the San Luis Rey River and the ground water basin underlying the area served by it and has constructed pipelines, drilled and operates wells for the purpose of supplying local water to the shareholders.

3. With adjacent service areas, YUIMA and RANCHO ESTATES share a common interest in maintaining reliable water distribution systems and adequate supplies of potable water for the benefit of their respective Pauma Valley customers.

4. Both parties recognize the likelihood that emergencies and/or non-routine operating circumstances will arise periodically in the future with the potential to interrupt or otherwise adversely affect the ability of RANCHO ESTATES to maintain adequate, reliable supplies of potable water.

5. The purpose of this Agreement is to provide a contractual framework under which YUIMA agrees, under certain circumstances, to provide emergency and occasional operational assistance to RANCHO ESTATES.

**IT IS, THEREFORE, AGREED:**

1. Commencing January 1, 2020, YUIMA agrees, in the event of an emergency or certain other rare and unusual, non-routine adverse events or circumstances that are outside the scope of normal operations, to provide such technical expertise, labor, equipment and/or materials as may be required to assist RANCHO ESTATES and its staff in responding effectively to such emergency or other rare and unusual non-routine adverse event or circumstance for the benefit of RANCHO ESTATES shareholders in accordance with the provisions of RANCHO ESTATES Articles, By-Laws and Rules and Regulations.
2. RANCHO ESTATES hereby agrees that no priority will be given to RANCHO ESTATES support services work and said work shall be completed as Operational Staff time and responsibilities to YUIMA operations permits.

Additionally, Yuima reserves the right to cancel any schedule support service work in the event of an operational emergency within YUIMA's operating system. If YUIMA is unable to perform requested services in a reasonable timeframe, YUIMA will notify RANCHO ESTATES to determine if RANCHO ESTATES would like YUIMA to arrange for an outside contractor to perform the work. YUIMA Support services work is limited to the following:

- a. Meter Replacement
  - b. Mainline and service lateral repair
  - c. Consultative support of new appurtenance installation (completed by other contractors).
  - d. Line locating related to support services projects only.
3. Labor time, including that for welding and equipment operators, for maintenance or repair RANCHO ESTATES facilities shall be charged to RANCHO ESTATES by YUIMA at the rate of \$146.96 per labor hour for all emergency services performed during YUIMA's normal of YUIMA's normal working hours and at the rate of \$201.65 per labor hour for all emergency services performed outside of YUIMA's normal working hours. Backhoe equipment time and welding equipment time shall be billed to RANCHO ESTATES by YUIMA at the current Board approved rates at the time of service. Materials and supplies, including sales tax, freight and delivery charges; tools and equipment used in the work at prevailing rental rates for similar tools and equipment; the actual invoice costs to District of services performed by others; plus fifteen percent (15%) of the sum of all the above amounts for District's overhead and general administrative expense.
  4. RANCHO ESTATES must contact office to request all services and YUIMA Operations Staff shall not perform any services without approval of YUIMA management and an approved service order. RANCHO ESTATES is not to contact or direct YUIMA Operations staff directly to request services.
  5. If the amounts provided for in this section are, in the opinion of YUIMA, insufficient or, in the opinion of RANCHO ESTATES, excessive, either party may, on thirty-day notice to the other, propose adjustments to YUIMA's compensation. In no event shall the amount paid YUIMA under this paragraph be so reduced that YUIMA's duties hereunder result in a burden on YUIMA's general funds which is not reimbursed by RANCHO ESTATES.
  6. This Agreement may be terminated by either party upon giving at least one (1) months' written notice of such termination to the other.
  7. RANCHO ESTATES agrees that a number of factors make the following indemnity and liability limitations reasonable, necessary, valid, enforceable and

not contrary to public policy. These factors include, but are not limited to the following:

- (a) The nature and extent of the services
- (b) The services are not suitable for public regulation.
- (c) The services are not of great public importance
- (d) The services could be performed by employees of RANCHO ESTATES or by persons engaged in the business of providing such services for profit.
- (e) YUIMA is performing the services as an accommodation to RANCHO ESTATES and is not seeking to perform the services.
- (f) RANCHO ESTATES and YUIMA are equal in bargaining strength and RANCHO ESTATES is free to obtain the services elsewhere.
- (g) RANCHO ESTATES is able to obtain insurance with respect to its property and its indemnity.
- (h) The amount of compensation to be paid.
- (i) The control retained by RANCHO ESTATES.
- (j) The condition of RANCHO ESTATES property.
- (k) YUIMA is a public agency with limited personnel and financial resources.
- (l) The potential liability to YUIMA without the limitations and liability could impede the public purposes for which YUIMA exists and adversely affect its taxpayers and other water users.

To the fullest extent permitted by law, YUIMA, its directors, officers, employees, agents and volunteers shall not be held liable for any claims, liabilities or damages to any property of any person including that of RANCHO ESTATES, nor for personal injury to or death to any person caused by or resulting from any acts or omissions (active, passive or comparative, negligence included) of YUIMA or its directors, officers, employees, agents or volunteers arising out of, or alleged to have arisen out of, the performance or the failure to perform any of its obligations under this Agreement. RANCHO ESTATES agrees to indemnify and hold free and harmless YUIMA and its directors, officers, employees, agents and volunteers against any such claims, liabilities and damages and any cost and expense incurred by them on account thereof. It is agreed that this indemnity is not limited in any way by the extent of any policy of insurance held by either party or by any limitation on the types of damages, compensation or benefits payable under worker's compensation acts, disability acts, or other employee acts. The foregoing limitation on liability and indemnity shall not apply to physical damage to the property of third parties or to personal injury or death that is determined to have been caused or resulted solely and exclusively by the fault or negligence of a party indemnified.

8. In is understood and agreed by the parties hereto that nothing in this Agreement shall obligate YUIMA to provide any of the services or materials contemplated by this Agreement to RANCHO ESTATES if, in the sole judgment of YUIMA's Management, providing such services or materials would compromise or jeopardize the interests of YUIMA, its employees or its customers.

9. RANCHO ESTATES shall maintain comprehensive or commercial general liability insurance in amounts not less than \$2,000,000 per occurrence with insurance companies acceptable to the district. All such policies shall name YUIMA, its directors, officers, employees, agents and volunteers as additional insured under the policy and provide District with certificate of insurance and endorsements. Said policies shall have a clause requiring that 30 days' written notice be given to YUIMA prior to any material change or cancellation of said policies.
10. RANCHO ESTATES agrees that the provisions of California Civil Code Section 1668 do not apply to this Agreement. Civil Code Section 1668 provides:

All contracts which have for their object, directly or indirectly, to exempt anyone from the responsibility for his own fraud, or willful injury to the person or property of another, or violation of law, whether willful or negligent, are against the policy of the law.

11. All acts of YUIMA under this Agreement will be performed with the express understanding that YUIMA makes no warranties, expressed or implied, with respect thereto.
12. Agreement expires June 30, 2020 and will be reviewed for renewal annually.

IN WITNESS WHEREOF, this Agreement has been executed on behalf of the parties by their duly authorized officer.

RANCHO ESTATES MUTUAL WATER  
COMPANY

YUIMA MUNICIPAL WATER DISTRICT

By \_\_\_\_\_  
Don Broomell, President

By \_\_\_\_\_  
Ron Watkins, President

# 2020

## Yuima Municipal Water District Board Meeting Calendar

### January

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

### February

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

### March

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

### April

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

### May

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

### June

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

### July

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

### August

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

### September

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

### October

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

### November

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

### December



S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

### Business Name

34928 Valley Center Road  
Pauma Valley, CA 92061

Office Hours: 8:00am to 4:30pm  
Monday-Friday

Phone: 760-742-3704  
Fax: 760-742-2069  
yuimamwd.com

-  District Observed Holidays
-  Board Meetings

## Schedule of Events

The annual calendar is considered in compliance with the standing policy of the Board of Directors that the regular Board Meetings shall be scheduled so as not to conflict with ACWA/JPIA meetings, conferences or holidays. One regular Board meeting will be held every fourth Monday of the Month, except for May, November and December due to conflict (circled in blue).

The November and December Board Meetings have been combined and will be held the first Monday in December. All district-observed holidays (offices closed) are circled in light blue.



**December 16, 2019**

**TO: Honorable President and Board of Directors**

**FROM: Amy Reeh, Assistant General Manager**

**SUBJECT: Starbeam Ranch, LLC (Humason) Agreement Concerning Use and Development of Water.**

**PURPOSE:** Possible approval of well development and use agreement in Improvement District A.

**SUMMARY:** At the April 18, 2019 Special Meeting for Strategic Planning the Board agreed that they would consider, on an individual basis, new well agreements in Improvement District A. Mr. Humason (Starbeam Ranch) has approached the district requesting to drill two wells within the Improvement District A boundary. Neither of these wells falls within the established 2500 ft radius of an existing District well.

**RECOMMENDATIONS:** That, should the Board agree, they approve the Resolution as presented.

**SUBMITTED BY:**

A handwritten signature in blue ink that reads "Amy Reeh".

**Amy Reeh**  
**Assistant General Manager**



**RESOLUTION NO. \_\_\_\_\_**

**RESOLUTION OF THE BOARD OF DIRECTORS OF  
THE YUIMA MUNICIPAL WATER DISTRICT  
AUTHORIZING EXECUTION OF**

**AGREEMENT CONCERNING USE AND  
DEVELOPMENT OF WATER**

**(Starbeam Ranch, LLC (Humason)— Assessor Parcel No. 132-270-30 and 134-100-08)**

WHEREAS, Robert Humason is the owner of Assessor's Parcel Nos. 132-270-30, and 134-100-08; and

WHEREAS, YUIMA MUNICIPAL WATER DISTRICT, after having considered the proposed well agreement presented; and

WHEREAS, the board having found that the conditions support the execution of the agreement;

NOW THEREFORE BE IT RESOLVED by the board of Directors of YUIMA MUNICIPAL WATER DISTRICT that the President, General Manager, or Designee be authorized to execute the attached Well Agreement Concerning Use and Development of Water.

PASSED AND ADOPTED this 16<sup>th</sup> day of December, 2019 at a special meeting of the Board of Directors of YUIMA MUNICIPAL WATER DISTRICT by the following roll-call vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN

\_\_\_\_\_  
Ron W. Watkins, President  
Yuima Municipal Water District

ATTEST:

\_\_\_\_\_  
Don Broomell, Secretary  
Yuima Municipal Water District

RECORDING REQUESTED BY and  
When Recorded Return to:

Yuima Municipal Water District  
Post Office Box 177  
Pauma Valley, California 92061-0177

No Fee – Public Agency  
Affects Assessor’s Parcel No:  
132-270-30, 134-100-08

---

**AGREEMENT CONCERNING  
USE AND DEVELOPMENT OF WATER**

This Agreement Concerning Use and Development of Water (this “Agreement”) is entered into as of December 16, 2019, between Starbeam Ranch, LLC (“Owner”) and Yuima Municipal Water District (“Yuima” or “District”) (Owner and Yuima are sometimes collectively referred to as “Parties” or individually as a “Party”) in view of the following facts:

**RECITALS**

A. Yuima, as successor to the Palomar Mutual Water Company, has the sole, exclusive and irrevocable right to develop, produce, divert, and control all waters appurtenant to or belonging to certain real property in San Diego County, California known as the Rincon Ranch as described in an agreement dated February 11, 1948, between Rossmoyne Village, Inc. and Palomar Mutual Water Company filed for record in the Office of the San Diego County Recorder on February 17, 1948, as Document No. 16140 (“Rossmoyne Agreement”). Said real property is now included within the boundaries of Yuima’s Improvement District A (“ID-A”).

B. Owners are the owners of San Diego County Assessor’s Parcel Number 132-270-30 consisting of 104.84 acres and Assessor’s Parcel Number 134-100-08 consisting of 38.75 acres (“Parcels”) . The said Parcels were part of the Rincon Ranch when the Rossmoyne Agreement was executed, lies entirely within ID-A, and is subject to the Rossmoyne Agreement and all modifications thereof.

C. Since 1948, Yuima and its predecessor, Palomar Mutual Water Company, have developed, produced, and used the waters described in the Rossmoyne Agreement in accordance with the Rossmoyne Agreement and subsequent modifications thereof under duly adopted and reasonable ordinances and rules and regulations and under prudent operating practices and limitations.

D. Included in said ordinances and rules and regulations are provisions that (a) no lands within ID-A shall be entitled to water service without the payment of special connection charges; (b)

lands within ID-A are subject to annual per acre water availability charges; (c) parcels of land under separate ownership are to be served by separate meters; and (d) limit meter sizes.

E. As of the date hereof, special connection charges have been paid for and Yuima provides water service to Owner's Parcels as follows:

Assessor's Parcel No. 132-270-30 - 44 acres  
Assessor's Parcel No. 134-100-08 – 34.5 acres

F. Owner has requested permission from Yuima to drill, install, maintain, and operate a well to serve the acres of Owner's Parcel for which special connection charges have been paid. Yuima is willing to give said consent only under the terms of this Agreement. This Agreement is made by Yuima only after determining that such well, when operated in accordance with this Agreement to serve only the number of acres of Owner's Parcel for which special connection charges have been paid, does not unreasonably interfere with Yuima's obligation to provide water to other lands or with its proper management of its available water resources. This Agreement *shall not*:

- a. be construed in a way to entitle the Parcels to irrigate more than the number of acres for which special connection charges have been paid or to permit the drilling, maintenance or operation of other wells or surface diversions on any other portion of the Rincon Ranch except as provided under separate written agreement with Yuima;
- b. be considered as a precedent with respect to any other lands; or
- c. prevent Yuima, directly or indirectly, from drilling, maintaining, or operating wells or surface water diversion systems on any portion of the Rincon Ranch, including Owner's Parcel.

G. Yuima purchases water from the San Diego County Water Authority ("SDCWA"), which has the power through pricing and otherwise to effectively require Yuima to impose water use restrictions and excess water use charges on all lands entitled to receive water from Yuima.

### **TERMS**

IT IS, THEREFORE, AGREED as follows:

**1. Incorporation of Recitals.**

The foregoing recitals are true and correct and are incorporated herein.

**2. Consent to Installation and Operation of Well.**

- a. So long as all of the provisions hereof are fully complied with and for the term hereof, Yuima consents to Owners installing, operating, and maintaining a single well at a site on Owners' Parcel which is within the area approved by Yuima as indicated on the map attached hereto as Exhibit A, for the sole purpose of developing local water for the Parcel. This well will be considered a non-potable source of water and will be used for agriculture irrigation purposes only. The consent given by this Agreement will expire if Owners have not completed construction of a well pursuant hereto within 120 days of the execution of this Agreement.
- b. Owners agree not to construct or operate any additional wells or surface diversions on any of Owners' Parcels without the prior written consent of Yuima.
- c. Owners further agree to share with Yuima all well development, construction, production and operation and maintenance information for said well for as long as this agreement is in effect. Owners shall allow Yuima to inspect all their records relating to said well upon reasonable notice from Yuima.

### **3. Required Equipment in Connection with Wells.**

Upon completion of the well authorized by this agreement, Owners, at Owners' sole cost and expense, shall install:

- a. A Yuima approved back-flow prevention device on the customer side of Yuima's meter serving the Parcel, which Owners shall operate and maintain in good working order at Owners' sole cost and expense for so long as the well is being used.
- b. A Yuima approved meter on the well. Such meter shall be adequately sized to measure within 5% accuracy all quantities of water pumped from the well and shall be supplied, maintained and installed by the district.

### **4. Charges Payable to Yuima.**

Owners shall pay Yuima a quantity charge for all water pumped from wells on the Parcels equal to fifty percent (50%) of Yuima's Board approved base quantity (water) rate in effect; which is subject to change. Owners shall also pay Yuima one hundred percent (100%) of any minimum or monthly meter charges, excess water or similar charges, and other fees and charges in effect from time to time for the size meters installed on said wells. The Parties agree that the fifty percent reduction from the base quantity rates charged to other water users is a reasonable amount to compensate the Owners of the Parcels, or any divisions thereof, for the cost of maintaining, operating, and periodically replacing any well now and in the future irrespective of the actual costs thereof.

**5. Yuima's Ordinances, Rules, and Regulations.**

Except for the base *quantity* (water) rate reduction, all of Yuima's ordinances, rules, and regulations in effect from time to time, including but not limited to those providing for fees and charges and water use restrictions, shall apply to Owners, to the Parcel, and to water service through the well meters referred to in this Agreement.

**6. Compliance with All Applicable Health Standards.**

For so long as any water is being taken from any well pursuant to this Agreement, Owners shall, at the sole cost and expense of Owners and of the owners of the Parcels or any divisions thereof that are served by such well, operate and maintain such well in accordance with all applicable health standards and assure that all water produced by such well is used only in accordance with all applicable health standards.

**7. Water Use Contingent upon Compliance with Ordinances and Payment of Fees.**

Except as provided by this Agreement, and for reasonable quantities of water extracted in the normal course of construction and testing of the well that are authorized by this Agreement, no portions of or acres on the Parcels may be irrigated or otherwise utilize water for any purpose, whether through Yuima meters or from the well, unless permitted under Yuima's ordinances in effect from time to time and unless all applicable fees and charges, including but not limited to special connection charges at rates in effect at the time any application for service is granted, have been paid.

**8. Attribution of Well Water to Regular Yuima Meter Servicing the Parcel.**

The quantity of water served through the Well meter will be considered to be water supplied by Yuima for the purpose of determining base water amounts, water credits, and excess water charges under Yuima's Ordinance No. 97-08, or any subsequent modification or substitution of said Ordinance or similar water conservation measures hereinafter enacted. Therefore, Owner shall, before operating the Well, designate the portion of water from the Well to be attributed to each of Yuima's regular meters serving the Parcel. Provided, however, that for water use periods during which water produced locally is not included in determining Yuima's allocation for surcharges or similar charges by the Water Authority, water served through the Well meter shall not be attributed to any of Yuima's regular meters for the purpose of determining excess water or similar charges. Since water served from the Well will result in a reduction in the amount of water otherwise purchased from Yuima, none of Yuima's meters serving the Parcel will receive any credits for reduced water use from and after the time the Well is activated.

**9. Map of Water System on the Parcel.**

Before using the well on the Parcel, Owners shall file with Yuima an accurate map of Owners' property which shows:

- a. the boundaries of each of the Parcel to be served;
- b. the entire water system located on the Parcel;
- c. all irrigated land located on the Parcel, including a statement of the number of acres irrigated on the Parcel; and
- d. the specific acres on this Parcel, including a statement of the number of acres on the Parcel, which are entitled to receive service under this Agreement.

Owners shall promptly report to Yuima any changes to any of the above-described features, and shall have a continuing obligation to provide Yuima with an accurate, updated map or maps showing all of the above features.

#### **10. Change of Ownership and/or Division of Parcel.**

In the event of division or transfer of the parcel the well developed in accordance with this Agreement may deliver water to both Parcels as long as they are under single ownership. Should they come under separate ownership, however, this Agreement will apply to the Parcel on which the well is located. The other Parcel will in effect have no water available to service any improvements that have been made on said parcel. The same shall apply to any division of any of the Parcels. The Parcels shall be jointly and severally liable for all of the obligations hereunder. All parcels under separate ownership shall be served by separate Yuima meters of appropriate size and no interconnection between parcels under separate ownership shall exist. Parcels shall be jointly and severally liable for all of the obligations hereunder.

#### **11. Inspection of Parcels.**

Yuima reserves the right to itself and to its agents, servants and employees to enter upon any of the Parcel at any and all reasonable times, upon reasonable advance notice, for the purpose of inspecting the same.

#### **12. Disposition and Use of Excess Water Production.**

In the event that the well constructed and operated under this agreement shall have the capacity to produce water in excess of the amounts which the Owner is entitled to use, Owner shall restrict the flow from the well to no more than the amount Owner is entitled to use based upon purchased Special Connection fees as provided above and by ordinance; PROVIDED, that Owner shall be permitted to produce and deliver to Yuima, and to no other party, water from the subject well upon mutually agreeable terms.

### **13. Term**

This Agreement shall terminate on January 1, 2039, and unless Yuima elects to take over the well pursuant to the following section, all wells located on any of the Parcels shall thereupon be capped and all service therefrom discontinued. This Agreement may be renewed by Owners by giving notice to Yuima not less than 90 days prior to its termination, for an additional ten (10) years. After the first ten (10) year renewal exercised by Owners, Owners may renew this Agreement for additional successive ten (10) year terms by giving notice to Yuima not less than 90 days prior to the end of each such term.

Owners may terminate this Agreement at any time by

- a. giving Yuima sixty (60) days written notice;
- b. unless Yuima elects to take over operation of the wells, capping all wells located on any of the Parcels;
- c. discontinuing all service from all wells located on any of the Parcels; and
- d. executing and delivering to Yuima an appropriate notice and acknowledgment, in a form which is suitable for recording in the office of the San Diego County Recorder, which states:
  - i. that this Agreement has been terminated and the date of said termination,
  - ii. unless Yuima has elected to take over operation of the wells, that all wells located on any of the Parcels have been capped and will not be reactivated, and
  - iii. except to the extent that Yuima has taken over operation of the wells, that all service from all wells located on any of the Parcels has been discontinued.

### **14. Operation of Wells by Yuima.**

Upon the expiration of the term of this Agreement or the election by Owners to terminate this Agreement, Yuima may, in its sole discretion, take over the ownership and operation of any or all of the wells constructed and operated by Owners pursuant to this Agreement. Yuima shall give notice to Owners of its election to take over operation of said wells prior to the expiration of this Agreement if Owners do not give timely notice of their intent to extend it, or within 60 days of receiving notice of Owners' intent to terminate this Agreement. Any and all wells which Yuima elects to take over pursuant to this section shall, upon Yuima giving notice of said election, become the property of Yuima.

**15. Compliance with Laws.**

Owners shall, at the sole cost and expense of Owners, be solely and completely responsible for observing all laws relating to the construction and use of the well described herein.

**16. Owners' Default.**

- a. Any of the following events shall be deemed a default and breach of this Agreement by or on the part of Owners and any and all persons claiming under or through Owners, and shall, at the option of Yuima, terminate this Agreement:
  - i. Failure to pay for water produced from any well which is the subject of this Agreement when due, and continuation of such default for a period of ten (10) days after notice has been given;
  - ii. Default in the observance or performance of any other term, covenant, or condition of this Agreement to be observed or performed by Owners and continuation of such default for a period of thirty (30) days after written notice from Yuima specifying such default; provided, however, that if such default is not curable within thirty (30) days, and Owners shall be exerting Owners' best efforts to cure the same, the time hereunder shall be extended for a reasonable time for the curing of such default.
  - iii. Either (i) the appointment of a receiver to take possession of all or substantially all of the assets of Owners, which receiver is not discharged within thirty (30) days after such appointment; or (ii) a general assignment by Owners for the benefit of creditors; or (iii) any action taken or suffered by Owners under any insolvency or bankruptcy act which is not discharged within thirty (30) days.
- b. Yuima's rights and remedies for Owners' breach of this Agreement are in the alternative and are cumulative to the extent permitted by the laws of California. The exercise of one right or remedy by Yuima shall not impair its right to any other remedy.
- c. Although Owners may have breached this Agreement, this Agreement shall continue in effect for so long as Yuima does not terminate Owners' rights under this Agreement, and Yuima, until termination, may enforce all its rights and remedies under the



Agreement, including the right to recover payments for water used as they become due hereunder.

- d. Acceptance of payments or other consideration by Yuima or its agents shall not constitute a waiver by Yuima of any breach by Owners of any covenant or agreement, nor shall it affect the right of Yuima to redress for a breach of a condition. The waiver by Yuima of any breach shall not operate to extinguish the covenant or condition nor shall it be deemed to be a waiver by Yuima of its right to declare a forfeiture or termination of the Agreement for any subsequent or continuing breach thereof. Nothing herein contained shall affect the right of Yuima to indemnification for liability arising prior to the termination of the Agreement for personal injuries or property damages.

#### **17. Recordation of Agreement.**

The Parties intend that the provisions of this Agreement shall be appurtenant to and run with the Parcel, in favor of the lands which comprise the Rincon Ranch as described in the Rossmoyne Agreement. The district will record this Agreement in the Office of the San Diego County Recorder.

#### **18. Successors and Assigns.**

This Agreement shall run with the land and shall be binding upon and inure to the benefit of the successors and assigns of the Parties hereto, except that upon any division of the Parcel, the obligations with respect to the maintenance and operation of any well located thereon shall apply to the parcel or parcels to be served therefrom, provided that an appropriate notice and acknowledgment of said parcels' obligations is filed with Yuima and the San Diego County Recorder. In the absence of the filing of such a notice and acknowledgment, all of the Parcels shall be bound hereby.

#### **19. Notices.**

All notices required under this Agreement must be in writing and shall be effective when either personally delivered or when deposited in the United States Mail, postage prepaid, certified, and addressed to the respective Parties as follows, or at such other address as the Parties may designate from time to time:

To Yuima:

Yuima Municipal Water District  
Amy Reeh  
P.O. Box 177  
34928 Valley Center Road  
Pauma Valley, CA 92061-0177

To Owners:

Starbeam Ranch, LLC  
C/O Robert Humason Jr.  
P.O. Box 19579  
Reno, NV 89511

**20. Attorneys' Fees and Costs.**

In the event of any dispute involving the interpretation or effect of this Agreement, or of any litigation, arbitration, or other action or proceeding for the interpretation, specific performance or damages for breach of this Agreement, the prevailing party shall be entitled to a judgment or award against the other in an amount equal to all its reasonable attorneys' fees and costs (including those costs, such as expert witness fees, which are not ordinarily allowable by statute), in addition to other remedies. Said right to recover attorneys' fees and costs shall extend to any and all post-judgment or post-award proceedings, including without limitation proceedings on appeal, proceedings to confirm any arbitration award, and proceedings to enforce any judgment or award. Any such judgment or award shall contain a specific provision for the recovery of all such subsequently incurred costs, expenses and actual attorneys' fees.

**21. Governing Law.**

This Agreement shall be interpreted and enforced under the laws of the State of California.

**22. Jurisdiction and Venue.**

The courts of the State of California shall have exclusive jurisdiction to resolve any dispute regarding this Agreement, and any action to enforce or interpret this Agreement or any portion thereof shall be commenced and prosecuted in the San Diego County Superior Court, exclusively.

**23. No Waiver by Delay.**

No delay or failure to exercise any right, power or remedy accruing upon the occurrence of any breach of this Agreement shall impair any such right, power, or remedy, nor shall it be construed to be a waiver of any such breach or default, or acquiescence therein, or in any similar breach thereafter occurring. Any waiver of any provision or condition of this Agreement must be in writing and shall be effective only to the extent specifically set forth in such writing.

**24. Rights and Remedies Cumulative.**

All rights and remedies of any Party hereto are cumulative of each other and of every other right or remedy such Party may otherwise have at law or in equity, and the exercise of one or more rights or remedies shall not prejudice or impair the concurrent or subsequent exercise of other rights or remedies.

**25. Severability of Unenforceable Provisions.**

Any provision of this Agreement that is prohibited or unenforceable shall be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof. In the event any such provision of this Agreement is so held invalid, the Parties shall promptly renegotiate in good faith new provisions to restore this Agreement as nearly as possible to its original intent and effect. To the extent permitted by applicable law, the Parties hereto hereby waive any provision of law that renders any provision hereof prohibited or unenforceable in any respect.

**26. Entire Agreement.**

This Agreement is the entire agreement between the Parties hereto with respect to the subject matters hereof and cannot be changed, modified, or amended except in writing approved by a resolution of the Board of Directors of Yuima.

IN WITNESS WHEREOF, the parties hereto, Owners and Yuima, have executed this Agreement Concerning Use and Development of Water as of the day and year first above written.

OWNERS:

Starbeam Ranch, LLC

By: \_\_\_\_\_  
Robert Humason, Jr.

YUIMA:

YUIMA MUNICIPAL WATER DISTRICT

By: \_\_\_\_\_  
Ron Watkins  
President



**December 16, 2019**

**TO: Honorable President and Board of Directors**

**FROM: Amy Reeh, Assistant General Manager**

**SUBJECT: Revise Original Resolution for Pauma Valley Water Company Annexation to update acreage and parcel information.**

**PURPOSE:** On April 22, 2019, the Board approved Resolution No. 1811-19 requesting approval from the San Diego County Water Authority, Metropolitan Water District of Southern California and LAFCO to approve annexation of Pauma Valley Water Company (PVWC) into the Yuima District. The State Water Resources Control Board (SWRCB) has requested that the Resolution be revised to update the acreage and number of parcels for annexation to match the approved SWRCB Grant to PVWC.

**SUMMARY:** To update acreage and parcels on annexation request for Pauma Valley Water Company.

**RECOMMENDATIONS:** That, should the Board agree, the Board adopt the Resolution as presented.

**SUBMITTED BY:**

A handwritten signature in blue ink that reads "Amy Reeh".

**Amy Reeh**  
**Assistant General Manager**

**RESOLUTION NO. \_\_\_\_\_**

**RESOLUTION OF THE BOARD OF DIRECTORS OF  
YUIMA MUNICIPAL WATER DISTRICT  
REQUESTING APPROVAL BY THE  
SAN DIEGO COUNTY WATER AUTHORITY, THE  
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA,  
AND THE LOCAL AGENCY FORMATION COMMISSION  
OF A CONCURRENT ANNEXATION TO SAID AGENCIES  
(Pauma Valley Water Company)  
Approximately 197.48 acres – 60 Parcels  
(APN's set forth in Exhibit "A" attached)**

WHEREAS, a request have been made to Yuima Municipal Water District for annexation of the property described in Exhibit A hereto; and

WHEREAS, before proceedings may be commenced to annex said property, informal approval thereof must be obtained from the San Diego County Water Authority, the Metropolitan Water District of Southern California, and the Local Agency Formation Commission,

NOW THEREFORE BE IT RESOLVED AND ORDERED by the Board of Directors of the Yuima Municipal Water District as follows:

1. That request is hereby made to the San Diego County Water Authority, The Metropolitan Water District of Southern California and the Local Agency Formation Commission for informal terms and conditions from each of those agencies for the concurrent annexation of the property described in Exhibit A hereto to said agencies, upon annexation of said property to Yuima Municipal Water District.
2. That the secretary be authorized and directed to file a certified copy of this resolution with the Board of Directors of the San Diego County Water Authority.

PASSED AND ADOPTED at a special meeting of the Board of Directors of YUIMA MUNICIPAL WATER DISTRICT held on Monday, December 16, 2019, by the following vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

ATTEST:

\_\_\_\_\_  
Ron Watkins, President

\_\_\_\_\_  
Don Broomell, Secretary

**PAUMA VALLEY WATER COMPANY**  
**P.O. BOX 401**  
**PAUMA VALLEY, CA. 92061**  
**760-742-1127 pvwaterco1914@gmail.com**

December 10, 2019

Ron Watkins, President  
Yuima Municipal Water District  
P.O. Box 177  
Pauma Valley, Ca. 92061

Re: Annexation of 60 parcels consisting of 197.48 acres

Dear Mr. Watkins,

At the request of the State Water Resource Control Board we are hereby resubmitting our Resolution and Request for Annexation to Yuima MWD. This annexation request reflects only the current *domestic* and *commercial* water use parcels consisting of 60 parcels totaling 197.48 acres.

In April, Yuima adopted Resolution 1811-19 Requesting Approval by the San Diego County Water Authority, LAFCO and Metropolitan Water District of a concurrent annexation to said agencies for approximately 358 acres. At the request of the SWRCB that our annexation resolutions match our funding agreement, we are hereby requesting that Yuima's resolution requesting conditions from CWA, MET & LAFCO reflect the 197.48 acres that will be annexed.

The PVWC check in the amount of \$3,000 for Yuima's Annexation Processing fee was previously submitted to Yuima and recently cleared our bank. Please let us know as soon as possible if you require us to submit the SDCWA's \$10,340 Annexation Processing Fee and the \$5,000 processing fee for MET with separate checks.

As you know the Pauma Valley Water Company plans to utilize its ground and surface water to serve *non potable water for the agricultural demands* in its area. We will ensure that the required separation of the new Yuima lines will be met as well as all backflow requirements and insure there are no cross connections.

The annexation of our service area will be contingent upon the following:

1. That sufficient funding is provided by the State for our disadvantaged community to cover all the costs associated with the annexation and construction of facilities.
2. That Pauma Valley Water Company will retain its water rights and utilize its ground and surface water and open reservoirs to serve non potable water for agricultural demands in its service area.
3. That approval of de-annexation from the Mootamai Municipal Water District is granted.

Letter to Ron Watkins  
President – Yuima MWD  
Page two

4. That this process can be put on an expedited path forward to insure safe drinking water for the residents

We look forward to working with you and we will be available on December 16<sup>th</sup> to attend your board meeting to answer any questions or concerns.

Sincerely,



Richard Stehly,  
President

cc: Sean Sterchi, State Water Resource Control Board

**PAUMA VALLEY WATER COMPANY  
RESOLUTION OF THE GOVERNING BOARD OF THE  
PAUMA VALLEY WATER COMPANY TO ENTER INTO NEGOTIATIONS  
WITH THE YUIMA MUNICIPAL WATER DISTRICT FOR THE PURPOSES  
OF CONSOLIDATING THE DOMESTIC AND COMMERCIAL SERVICE AREA OF THE  
PAUMA VALLEY WATER COMPANY WITH THE YUIMA MUNICIPAL WATER DISTRICT**

Whereas, the governing Board of the PAUMA VALLEY WATER COMPANY has the authority to conduct the business and affairs of the Pauma Valley Mutual Water Company in accordance with the Bylaws of the Corporation according to Article VII: Sections 4 & 5.

Whereas, the governing Board of the PAUMA VALLEY WATER COMPANY has determined after extensively consulting with the shareholders, engineers, Department of Environmental Health, and the State Water Resources Control Board about the alternatives for clean drinking water that the option of consolidation of the Domestic and Commercial users with the YUIMA MUNICIPAL WATER DISTRICT is in the best interest of community residents for the purposes improved water quality.

Whereas, the governing Board of the PAUMA VALLEY WATER COMPANY has the authority to enter into an agreement with the YUIMA MUNICIPAL WATER DISTRICT to consolidate the Domestic and Commercial service area of the PAUMA VALLEY WATER COMPANY and install facilities to provide safe drinking water to its consumers.

Whereas, the governing Board of the PAUMA VALLEY WATER COMPANY anticipates with the assistance of the community residents, Yuima Municipal Water District and the State Water Resource Control Board that negotiations will commence without delay and to meet full compliance with the State Water Resource Control Board deadline for determination of the course of action for an improved alternative water supply for the Domestic and Commercial users of the PAUMA VALLEY WATER COMPANY.

Whereas, it is the intention of the governing board of the PAUMA VALLEY WATER COMPANY as representatives of the shareholders of the PAUMA VALLEY WATER COMPANY to represent the interests of the community to the best of their ability in the negotiations with the YUIMA MUNICIPAL WATER DISTRICT.

Therefore, it is resolved that this Board hereby proposes to enter into negotiations with the YUIMA MUNICIPAL WATER DISTRICT to consolidate the Domestic and Commercial users within the service area of the PAUMA VALLEY WATER COMPANY.

It is further resolved that the governing board of the PAUMA VALLEY WATER COMPANY authorizes Richard Stehly, Board President and Lori A. Johnson, Consultant, at the direction of the Board to act as the association's representatives in the course of negotiations with the YUIMA MUNICIPAL WATER DISTRICT.

Passed and adopted:

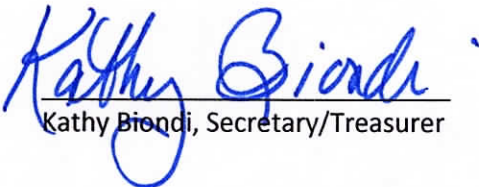
Ayes: Stehly, Perricone, Cortez, Hernandez, Luna, Betancourt

Noes: none

Absent: Romoff

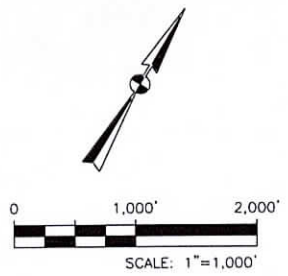
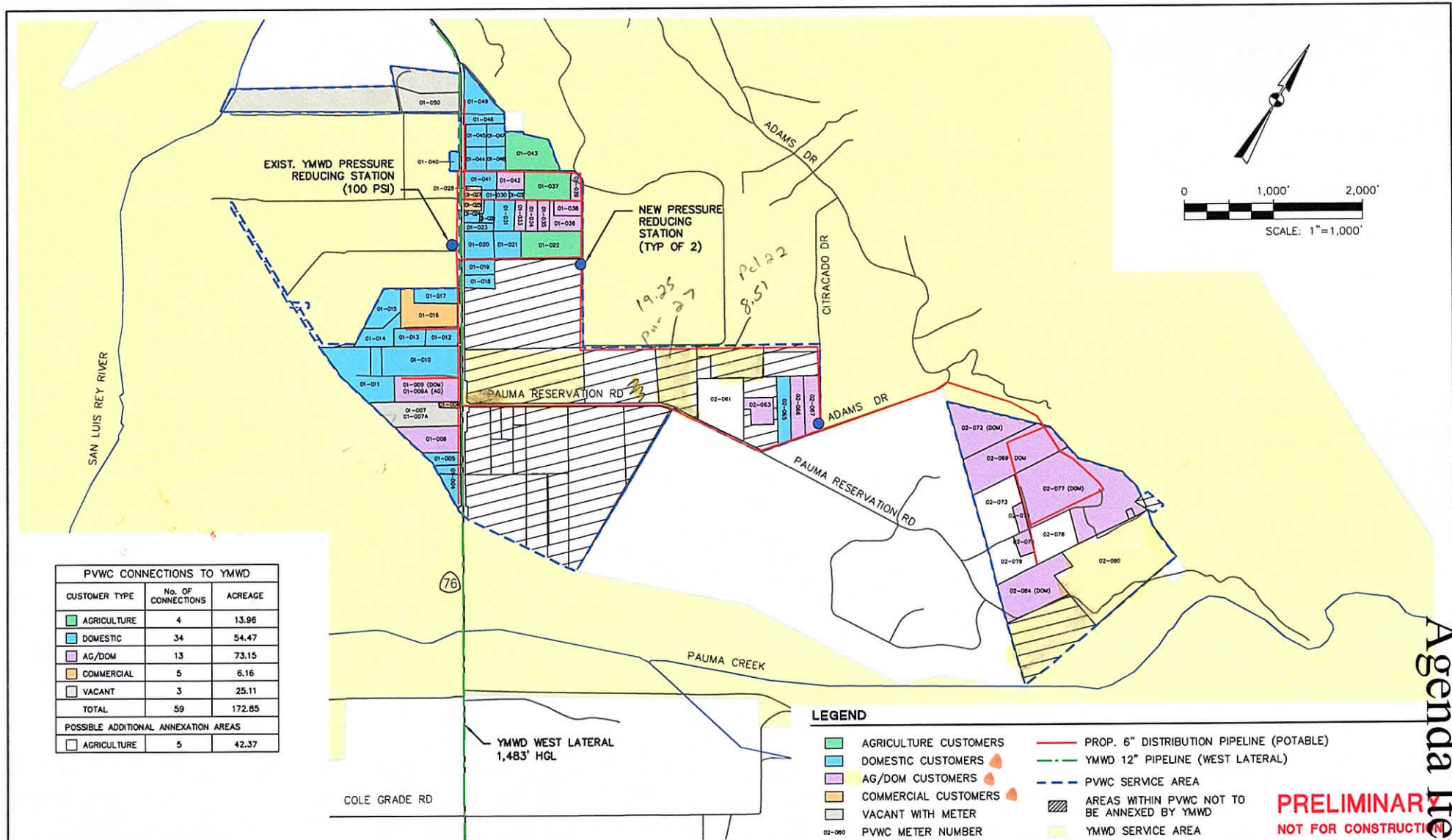
Abstain: none

I hereby certify that the forgoing resolution was adopted at the regular meeting of the Pauma Valley Water Company, duly noticed and held on December 10, 2019.

  
Kathy Biondi, Secretary/Treasurer

  
Richard Stehly, President





PVWC CONNECTIONS TO YMWd		
CUSTOMER TYPE	No. OF CONNECTIONS	ACREAGE
AGRICULTURE	4	13.96
DOMESTIC	34	54.47
AG/DOM	13	73.15
COMMERCIAL	5	6.16
VACANT	3	25.11
<b>TOTAL</b>	<b>59</b>	<b>172.85</b>
POSSIBLE ADDITIONAL ANNEXATION AREAS		
AGRICULTURE	5	42.37

**LEGEND**

- AGRICULTURE CUSTOMERS
- PROP. 6" DISTRIBUTION PIPELINE (POTABLE)
- DOMESTIC CUSTOMERS
- YMWd 12" PIPELINE (WEST LATERAL)
- AG/DOM CUSTOMERS
- PVWC SERVICE AREA
- COMMERCIAL CUSTOMERS
- AREAS WITHIN PVWC NOT TO BE ANNEXED BY YMWd
- YMWd SERVICE AREA
- VACANT WITH METER
- PVWC METER NUMBER

PRELIMINARY  
NOT FOR CONSTRUCTION

DATE: 6/26/14 TIME: 8:41:15 AM  
 SERVICE: LAYOUT: Layout1  
 PATH: N:\SDB072701\CADD\EXHIBITS  
 DRAWING NAME: FIG10-ALT3.DWG  
 PAGE SETUP: 11x17\_PDF  
 DESIGNER: - PROJ MGR: -

**NV5**  
 BEYOND ENGINEERING  
 15070 AVENUE OF SCIENCE, SUITE 100  
 SAN DIEGO, CA 92128  
 858.385.0500 TEL  
 858.385.0400 FAX  
 WWW.NV5.COM

**PRELIMINARY ENGINEERING REPORT - WATER SYSTEM IMPROVEMENTS**  
**ALTERNATIVE 3 - CONSOLIDATION OF PVWC WITH YMWd**

PREPARED FOR: PAUMA VALLEY WATER COMPANY      DATE SUBMITTED: JUNE 2014

SHEET NUMBER  
**10**  
 OF 11 SHEETS  
 JOB NUMBER  
 SDB072701

• parcels = 60 Acres = 197.48 to annex to  
 Yuima/CWA & MST

Agenda Item 3-4

APN	TRA	OWNNAM	FILL4	MAILADDR	ZIP	STSNO	STSSTREET	ACRE	ACCT #	# HOUES	Grove	Commercial
1300500500	94147	#15195 HWY 76 TRUST 04-084\	(Scott)	15195 HIGHWAY 76*PAUM	92061	15195	Highway 76	1.8	01-012	3		
1300500600	94147	#MARQUEZ BERNARDO M&CIRILA S TRS\		P O BOX 1363*PAUMA VAL	92061	15187(T)	HIGHWAY 76*\	1.73	01-013	1		
1300501100	94147	#GUERRA JUAN\		950 ARCADIA AVE #22*VIST	92084	15035	HIGHWAY 76*\	0.5	01-040	1		1 Pauma Store & tavern
1300502300	94147	#CORTEZ RICARDO\		P O BOX 102*PAUMA VALLI	92061	15179	HIGHWAY 76*\	2.59	01-015	1		
1300502400	94147	#MADISON FAMILY TRUST 02-13-98\		1733 VIA DE LA CUESTA*ES	92027	15183	HIGHWAY 76*\	2.5	01-014(1)	1		
1300502700	94147	#YATES KEVIN T&WENDY A\		15630 RIM OF THE VALLEY*	92082	15175	HIGHWAY 76*\	4.7	01-016	1	1 church/residential	
1300502800	94147	#CORTEZ IRREVOCABLE TRUST\		C/O RICARDO CORTEZ*314	92592	0	HIGHWAY 76*\	2	01-017	1		
1300600600	94147	#HERNANDEZ VICTOR*MMJT#HERNANDEZ LAZARO\		15277 HIGHWAY 76*PAUM	92061	15277	HIGHWAY 76*\	2.95	01-006	1	y	
1300600700	94147	#KNIGHT ANDREW J&MARCEEN S*SWJT#KNIGHT HIL		P O BOX 553*PAUMA VALLI	92061	15295	HIGHWAY 76*\	0.98	01-005	1	y	
1300600800	94147	#NAVA JOSE&FERNANDA A*MWJT#NAVA ESBEIDA\		P O BOX 1173*PAUMA VAL	92061	0	HIGHWAY 76*\	0.53	01-004	2		
1300601200	94147	#SCHOEPE SHERRILL A REVOCABLE TRUST 08-12-82\		P O BOX 572*PAUMA VALLI	92061	0	HIGHWAY 76*\	0.1	01-008			1 Jilbertos
1300602100	94147	#MADISON FAMILY TRUST 02-13-98\		1733 VIA DE LA CUESTA*ES	92027	0	HIGHWAY 76*\	0.94	01-014(2)	1		
1300602200	94147	#GIFFORD THERESA M FAMILY TRUST 09-12-06\		15224 HIGHWAY 76*PAUM	92061	15213	HIGHWAY 76*\	6.56	01-010	1		
1300602500	94147	#GIFFORD THERESA M FAMILY TRUST 09-12-06 <DVA		15224 HIGHWAY 76*PAUM	92061	15224	HIGHWAY 76*\	6.95	01-011	2		
1300602600	94147	#BIONDI MICHAEL E FAMILY TRUST 11-11-91\		P O BOX 1033*PAUMA VAL	92061	15235	HIGHWAY 76*\	5.5	01-009	2		green houses
1310100700	94147	#CUEVA SERVANDO&MARTHA O\		15004 HIGHWAY 76*P O BO	92061	15004	HIGHWAY 76*\	1.2	01-046	1		
1310101400	94147	#WEILER ADAM J\ (Apartments 8 tenants)		3930 OREGON ST #210*SAI	92104	14970	HIGHWAY 76*\	2.69	01-049	8		Apartments & house
1310101600	94147	#GARCIA JOHN M&JACQUELINE L\		15016 HIGHWAY 76*PAUM	92061	15016	HIGHWAY 76*\	1.29	01-045	1		
1310101700	94147	#STEHLI FAMILY HOLDINGS LLC\		13268 MCNALLY RD*VALLE	92082	15024	HIGHWAY 76*\	1.15	01-047	1		
1310101800	94147	#RIVERA ROGELIO&OLGA\		P O BOX 123*PAUMA VALLI	92061	34320	EL SENDERO DR*\	1.34	01-044	1		
1310101900	94147	#BAZAN BENITO\		32932 ANASAZI DR*TEMEC	92592	34336	HIGHWAY 76*\	1.19	01-048	1		
1310200100	94147	#UIHLEIN SOCORRA TRUST 01-18-99\		P O BOX 1011*PAUMA VAL	92061	34325	EL SENDERO DR*\	1.54	01-041	1		
1310200300	94147	#CONTRERAS MELISSA\		P O BOX 1091*VALLEY CEN	92082	34337	EL SENDERO DR*\	1.48	01-042	1		
1310200500	94147	#STEHLI FAMILY HOLDINGS L L C\		13268 MCNALLY RD*VALLE	92082	34249	RHONDA LN*\	1.79	01-031	1		
1310200600	94147	#FLORES LAZARO B&BAZA BELEN V\		P O BOX 903*PAUMA VALLI	92061	15090	HIGHWAY 76*\	0.73	01-023	1		
1310200700	94147	#DELACRUZ JOSHUA&ALMA\		P O BOX 184*PAUMA VALLI	92061	0	HIGHWAY 76*\	0.65	01-029	1		
1310200800	94147	#BLANCO ENCARNACION&GUMERCINDA\		969 CALZONA ST*LOS ANG	90023	15080	HIGHWAY 76*\	0.6	01-024	1		
1310200900	94147	#UPPER SAN LUIS REY SOIL CONSERVATION DISTRICT		PUBLIC AGENCY\	0			0.25	01-025 & 25a			1 warehouse/comm.bldgs
1310201000	94147	#DELACRUZ JOSHUA&ALMA\		34225 RHONDA LN*PAUMA	92061			0.25	01-029	1		
1310201300	94147	#STEHLI FAMILY HOLDINGS LLC\		13268 MCNALLY RD*VALLE	92082	0	HIGHWAY 76*\	0.53	01-027			1 commercial
1310201400	94147	#STEHLI FAMILY HOLDINGS LLC\		13268 MCNALLY RD*VALLE	92082	0	RHONDA LN*\	0.4	01-030	1		
1310201500	94147	#STEHLI FAMILY HOLDINGS LLC\		13268 MCNALLY RD*VALLE	92082	34236	RHONDA LN*\	0.81	01-031	1		

1310201600	94147	#RONAYNE PEGGY L TRUST 01-06-14\	P O BOX 300752*ESCONDID	92030	34254	RHONDA LN*\	0.41	01-032	1	Patrick Mehamin (son) f
1310201800	94147	#STEINBARTH GARY J\	C/O GARY STEINBARTH*P C	92061	34427	EL SENDERO DR*\	0.93	01-039	1	
1310201900	94147	#ESCOBAR GERARDO L&DELUNA MARIA D\	P O BOX 263*PAUMA VALL	92061	34269	RHONDA LN*\	0.98	01-033	1	
1310202000	94147	#RAMIREZ FAMILY TRUST 07-26-17\	34277 RHONDA LN*PAUMA	92061	34277	RHONDA LN*\	1.03	01-034	1	
1310202100	94147	#DEBELL WENDY L\	P O BOX 342*PAUMA VALL	92061	34291	RHONDA LN*\	1.01	01-035	1	
1310202200	94147	#GIBSON MICHAEL L&MARILYN D\	PO BOX 801*PAUMA VALLE	92061	34305	RHONDA LN*\	1.21	01-038	1	
1310202300	94147	#HARRIS CRAIG A&JURGENS-HARRIS MARSHA LIVING	34295 RHONDA LN*PAUMA	92061	34295	RHONDA LN*\	1.49	01-036	1	
1310202400	94147	#PACIFIC BELL\	CALIFORNIA STATE ASSESS	0			0.25	01-028	1	comm bldg
1310400200	94147	#DON&KATHY CLIFT FARMING L P\	6722 E HORSESHOE RD*OR	92869	00000-	HIGHWAY 76 195C*\	5	01-022	1	account says ag/dom verify dom
1310400500	94147	#KLEIN ARMSTRONG MONTA J REVOCABLE TRUST 02-23-99\	6 URBINO*IRVINE CA\	92620	15148	HIGHWAY 76*\	1.25	01-018	2	
1310400600	94147	#SCHELL FAMILY TRUST 08-18-09\	15122 HIGHWAY 76*PAUMA	92061	15122	HIGHWAY 76*\	2.5	01-020	1	
1310400700	94147	#SCHELL 2001 TRUST\	15120 HIGHWAY 76*PAUMA	92061	15120	HIGHWAY 76*\	2.5	01-021	1	
1310400800	94147	#PENALOZA FAMILY TRUST 04-24-15\	P O BOX 766*PAUMA VALL	92061	15136	HIGHWAY 76*\	1.25	01-019	2	
1310801500	94147	#PAUMA BAND OF MISSION INDIANS\	1010 PAUMA RESERVATION	92061	15245	PAUMA RESERVATION	0.69	01-057	1	
1310802700	94147	#F R P PROPERTIES LLC\	4521 PERHAM RD*CORONA	92625	15224	PAUMA RESERVATION	19.25	01-060 (4)	1	
1310900400	94157	#MICHEL SERAFIN\	33452 DOUBLE CANYON RE	92082	0	CITRACADO DR*\	2.5	02-067	2	
1310900500	94157	#LARIOS RAFAEL&CARMEN\	16157 ADAMS DR*PAUMA	92061	16151	ADAMS DR*\	2.5	02-066	1	
1310900600	94157	#LARIOS RAFAEL&CARMEN\	16157 ADAMS DR*PAUMA	92061	16157	ADAMS DR*\	2.5	02-065	1	
1310901000	94157	#MONZON ERNESTO A&GUADALUPE A\	P O BOX 300645*ESCONDID	92030	16175	ADAMS DR*\	2	02-063	1	
1310901100	94157	#UNITED STATES OF AMERICA (PAUMA YUIMA INDIA	PUBLIC AGENCY\	0	34410	CITRACADO DR*\	10.05	02-062&64	1	
1311000100	94147	#EASTON-RUTZ FAMILY TRUST 12-18-01\	P O BOX 1337*PAUMA VAL	92061	0	HIGHWAY 76*\	6.99	02-070 & 72	1	
1311000200	94147	#EASTON-RUTZ FAMILY TRUST 12-18-01\	P O BOX 1337*PAUMA VAL	92061	0	PAUMA RHO*\	10.2	02-069		
								02-069D	1	house wtr mtr
1311000300	94147	#PAUMA RANCHES INC\	P O BOX 21845*LOS ANGEL	90021	0	PAUMA RHO*\	20.64	02-076		
		#PAUMA RANCHES INC\						02-077	1	
1311000900	94147	#PAUMA BAND OF LUISENO MISSION INDIANS OF TH	P O BOX 369*PAUMA VALL	92061	0	ADAMS DR*\	12.29	02-081	1	
1311001000	94147	#HAYDIS DEBORAH E\	424 S MAIN AVE*FALLBROC	92028	16054	PAUMA RESERVATION	7.58	02-083		
		#HAYDIS DEBORAH E\						02-084	1	house meter
1311001300	94147	#PENA LUIS M&REFUGIO TRUST 06-13-02\	7104 INDEPENDENCE AVE*	91303	0	ADAMS DR*\	0.78	02-074	1	
1311001500	94147	#ECO FARMS REAL ESTATE LLC\	ATTN: JOE BISSON CORP AC	92590	16100	PAUMA RESERVATION	20.36	02-080	1	
1311001600	94147	#ROSS FAMILY TRUST 05-17-00\	9152 LOMA ST*VILLA PARK	92861	0	ADAMS DR*\	1.12	02-075	1	

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197.48 acres  
60 Parcels

Agenda Item 3-4



**December 16, 2019**

**TO: Honorable President and Board of Directors**

**FROM: Amy Reeh, Assistant General Manager**

**SUBJECT: Approval of Purchase Orders Exceeding \$35,000 per Yuima Purchasing Policy.**

**PURPOSE:** To approve the purchase orders for both the diesel generator and project contract award for the Forebay Pump Station Rehabilitation project.

**SUMMARY:** At the October Regular Meeting, the Board awarded the project contract for the Forebay pump station and chose the generator for the same project. These are the purchase orders to purchase and make progress payments against.

**RECOMMENDATIONS:** That, should the Board agree, they approve the purchase orders as presented.

**SUBMITTED BY:**

A handwritten signature in blue ink that reads "Amy Reeh". The signature is written in a cursive style with a large loop at the end.

**Amy Reeh**  
**Assistant General Manager**



# REQUISITION

**Requisition #:** REQ00727

**Date:** 12/12/2019

**Vendor #:** 01931

**ISSUED TO:** Hawthorne Machinery Co.  
16945 Camino San Bernardo  
San Diego, CA 92127-2405

**SHIP TO:** Yuima Municipal Water District  
34928 Valley Center Road  
Pauma Valley, CA 92061

ITEM	UNITS DESCRIPTION	PROJECT #	PRICE	GL ACCOUNT NUMBER	AMOUNT
1	1 Genset 24-hr Fuel Tank		306,800.00	10-600-60-6300-619	330,577.00
2	1 Permit		5,500.00	10-600-60-6300-619	5,926.25
3	2 Access Platform		3,580.00	10-600-60-6300-619	7,714.90

**Detailed Description:**

**Authorized By:** \_\_\_\_\_

<b>SUBTOTAL:</b>	319,460.00
<b>TOTAL TAX:</b>	24,758.15
<b>SHIPPING:</b>	0.00
<b>TOTAL</b>	<b>344,218.15</b>

**HAWTHORNE**

QUOTE #:

ED19-190414-4

**Forebay Water Booster Fac.--Yuima Municipal Water**

To: Scott Nelson  
 Company: Moreas/Pham & Associates  
 Date: 11/21/2019

Quote Valid Through: 2/19/2020  
 Prepared By: ED DAWE

**Pricing Summary**

Thank you for the opportunity for Hawthorne Power Systems to work with you on this project. Below is a price breakout for the major items we intend to provide for this project, more detail can be found on the Bill of Materials sheets. If you would like to discuss our proposal in more detail please do not hesitate to contact me. Thank you!

**Base Bid**

Item #	Qty	Basic Description	Price	Extended Price
1	1	1000 kW Genset, 480V, 3P, 4W SA Encl., 24-hour fuel tank, 500 kW LB Delivery, startup/commissioning, Training	\$ 306,800.00	\$ 306,800.00
2	1	Permit "Authority to Construct" APCD-SD	\$ 5,500.00	\$ 5,500.00
3	2	Access platform with steps and railing	\$ 3,580.00	\$ 7,160.00
				\$ -
				\$ -
4	1	Sales Tax @ 7.75%	\$ 24,758.15	\$ 24,758.15

**TOTAL: \$ 344,218.15****Value Engineering & Optional Adders**

1a	1	10-Year Caterpillar Generator Set Warranty with Rental Protection (w/tax)	\$ 11,960.00	\$ 11,960.00
1b	1	Remove Load Bank from Scope of Supply and provide CAT Enclosure and Tank	\$ (24,800.00)	\$ (24,800.00)
				\$ -
				\$ -
				\$ -

## FOREBAY WATER BOOSTER FACILITY YUIMA MUNICIPAL WATER DISTRICT

### DETAILED BILL OF MATERIALS

REV4 Summary: Removed the access stairs from the line item #1 and placed the platforms into Line Item #3.

REV3 Summary: Moved access stairs to base bid Bill of Materials and Price. No other changes to BOM.

REV2 Summary: Added access stairs as an optional price.

#### LINE ITEM #1 EXTENDED DESCRIPTION:

Diesel Engine Generator Set

Qty. (1) CAT Generator Set

Model: C32

Rating: 1000 kW / 1250 kVA

Voltage: 480Y, 3-phase, 4-wire, 60 Hz

Engine: Diesel, 1800 RPM, ADEM A4 Electronic Engine Controller

Certification: EPA Emergency Stationary Certified (Tier 2)

IBC Seismic

UL2200

Alternator End & Attachments

1402 Frame Generator, Single Bearing, Rated for 125 °C Temperature Rise

CAT Integrated Voltage Regulator (integrated with EMCP control panel)

Anti-Condensation Space Heater

PMG Excitation System

1595 skVA @ 20% Voltage Dip

15% Subtransient Reactance

2/3 Pitch

Control Panel: EMCP 4.2B Digital Control Panel

Digital Display

Engine: Oil Pressure, Coolant Temp, Engine Hours, RPM

Generator: Amps, Volts, Power

Fault indication and fault logging

Volt-free (Form C) Engine Run contacts

Volt-free (Form C) Fail

Volt-free (Form C) Low Fuel

Volt-free (Form C) Low Batt

Volt-free (Form C) CB Open (Main)

Audible Alarm

Circuit Breakers:

Qty. (1) 1600A Circuit Breaker, UL-Listed, 100% Rated, with LSIG Functions, Mounted on genset

Shunt Trip

Breaker will be Equipped with Square D Energy Reduction Management Setting System, which provides arc flash protection

Qty. (1) 800A Circuit Breaker, UL-Listed, 100% Rated, with LSIG Functions, Mounted on genset

Shunt Trip

SUSE Labeled

Load Bank:

Qty. (1) Load Bank

Type: Radiator Duct Mounted

Rating: 500 kW / 500 kVA

Voltage: 480Y, 3-phase, 3-wire, 60 Hz

Certification: UL Listed

Fan Blower: Integral and operates off of line power

Controls:

Remote Control mounted at the generator set EMCP 4.2B controller

Operation:

Over temp protection

5 kW Resolution

Integral Control Power (does not require separate power source)

Load Dump

Mounting System

Generator set is suitable for outdoor installation

Seismic Anchor Calculation Stamped by California PE

Fuel System

Fuel Filter (spin-on)

Fuel/water separator

Diesel Fuel base tank with 1750 Gallon Capacity (24-hr run time @ 100% load)

Fuel Level Alarms:

Low Fuel (20%) and Tank Leak Alarms

Construction: Steel

Normal and Emergency Vents extended to 144" above grade

Overfill Protection System

Enclosure:

Generator set is suitable for outdoor installation

Color: TBD

Sound Attenuated Enclosure rated at 76 dBA at 23 feet,

Construction: Galvannealed Steel

External Emergency Stop

Cooling System:

Unit Mounted Radiator

Rated for operation in 122°F ambient temperature

50/50 Antifreeze & Water Mixture

Jacket Water Heater

Low Coolant Level Shutdown

Air Intake System

Standard Duty Air Filter

Crankcase Vent Filtration

Exhaust System

Critical grade exhaust silencer integral to enclosure-no contractor installation required

Starting and Charging System:

Electric Starting Motor

24V Lead Acid Engine-Starting Battery

UL Listed Battery Charger:

20A DC Maximum Charging Current

Automatic Dual Rate (float/equalize) Charging



NFPA 110 Alarm Contacts  
Factory installed on equipment  
Jacket Water Heater (to facilitate quicker starting times)  
Factory Testing:  
    < 30 minute 0.8 pf Load Bank Testing Included  
Onsite Testing, Startup, and Commissioning:  
    CAT Startup Services with CAT certified technicians (includes lube oil and coolant)  
    2-hour 1.0 pf Load Bank Testing Included  
    Cold Start Test and/or building load test  
Warranty:  
    5-year Limited Parts and Labor Warranty (24 months or 1000 hours). Other warranty options are available at additional cost.  
Miscellaneous Items:  
    Spare Parts per specification  
Engineering Services:  
    Submittal per specification or commercial type submittal if there is no specific requirement.  
    Hard Copy of Operation and Maintenance Manuals  
    Seismic Anchoring calculation and recommended anchor type w/PE Stamp

### **LINE ITEM #2 EXTENDED DESCRIPTION:**

San Diego-Air Pollution Control Permit per General Note #8 to be provided. This service includes Hawthorne CAT submitting the necessary permit for a New Generator Installation to SD-APCD. It does not include any additional after-treatment in the event it is required.

### **LINE ITEM #3 EXTENDED DESCRIPTION:**

Access Stairs and Platforms for Each Side of Genset Enclosure:

- Steel Frame
- Diamond Plate Steps
- Aluminum Handrails
- Approximately 84" (L) x 48" (W)
- Shipped loose for contractor installation

### **LINE ITEM #1A OPTIONAL ADDER:**

Optional Warranty:

10-year Limited Parts and Labor Warranty (120 months or 5000 hours).

Covers all Original Equipment Caterpillar Equipment such as radiator, engine, generator, and controls

Does not cover batteries, battery charger, enclosure, fuel tank and other non-CAT parts

Includes a rental generator allowance to be used for rental genset and related equipment if repairs cannot be made within a specified time period.

### **LINE ITEM #1B DEDUCT:**

This is a deduct from the base price and includes changes to the basic Bill of Materials.

Provide same genset as above with the following changes:

- A. Remove 500 kW Resistive Load Bank from Scope of Supply. Genset will still be equipped with 800A LSIG CB that can be connected to a portable load bank (provided by others).
- B. Genset will be equipped with CAT Factory Enclosure and Fuel Base Tank:

- a. Steel Enclosure
- b. 75 dBA @ 23'
- c. Color: CAT Yellow
- C. 2000 Gallon Fuel Base Tank (approx. 26 hours of run time)
- D. Dimensions: 301" (L) x 101" (W) x 136" (H)

**DELIVERY:**

All equipment is delivered to jobsite-offloading is not included.

**DIMENSION AND WEIGHT:**

Genset (each): 375" (L) x 96" (W) x 158" (H) 31,000 lbs.

**TERMS OF PAYMENT:**

Terms to be established upon receipt of Purchase Order and completion of Hawthorne Pacific Corp customer account review. Terms may require down payment, COD, NET-10, or NET-30.

**GENERAL NOTES:**

1. The quotation is based on the following documents (no other documents or plans have been reviewed):
  - a. Project: Forebay Water Booster Facility, Yuima Municipal Water District
  - b. Specifications: 16620 (Dated 8-30-19)
  - c. Drawings: E2 and E3.
  - d. Addendums: None
  - e. No other plans or specifications have been reviewed.
2. Proposal scope limited to items specifically listed in this proposal.
3. All "shipped loose items" are for contractor installation
4. Fuel for startup or testing not included. Approximately 2200 gallons of fuel are required for testing and top off.
5. Temporary generator set (if required) not included in Hawthorne's scope of work or supply. If temporary power is needed, please contact the Hawthorne Rent-It Service obtain a quotation.
6. Offloading not included. Equipment is delivered curbside, offloading is customer's responsibility.
7. Cost for permits, special inspections, and fees (i.e. building, local, air quality or any other not specifically called out in our supply) are not included.
8. Diesel Emergency Generator – The San Diego Air Pollution Control District may require that owners/developers complete a Health Risk Assessment (HRA) for the facility as part of a new source permit to operate the generator. The HRA considers many factors on site as well as the surrounding area and environment. The costs associated with the HRA or add-on particulate control systems are NOT included in our proposal. If after an HRA is performed and particulate reduction equipment is required, we will provide information and costs associated with the addition of emission control equipment
9. Installation, including but not limited to: anchoring, electrical conduit, fuel oil and exhaust piping and insulation, interconnecting wire and cable, not included.
10. 3<sup>rd</sup> Party testing, such as NETA, infrared testing, or testing normally conducted by an independent testing agency is not included.
11. Protective device coordination, short circuit study, and arc flash analysis by others.
12. Sound Levels and Noise Mitigation: It is the responsibility of the owner, contractor or other delegated representative of owner to meet sound levels required by City, County or other ordinance required by Authorities Having Jurisdiction. Equipment quoted referencing sound levels only represents band

width average dB(A) levels at specific horizontal distances, 5-1/2 feet above grade in any direction and in an open free field environment. The requirements of specified site property line sound levels and the effect of adjacent structure walls, obstructions, or location cannot be determined or predicted by Hawthorne Power Systems.

13. There may be overlap between mechanical and electrical Scope of Work/Supply particularly on the fuel system and exhaust systems. We recommend the purchaser consult with the appropriate contractors to determine any overlap or gaps in supply.
14. If equipment is not for resale or buyer does not have resale tax certificate on file with Hawthorne Power Systems then tax at the applicable rate will be charged.
15. Scope of Work/Supply is based on all onsite work being performed M-F 8AM-4PM. Weekend and/or overtime service hours are available. A copy of our non-standard service rates is available upon request. Four (4) week notice is required for field service.

**VARIATIONS SPECIFIC TO BID PLANS:**

1. Specification 16620 Para. 2.03.G: Jacket Water Heater to be 240VAC 1-Phase in lieu of 480V Single Phase.
2. Specification 16620 Para. 2.05.A: Generator to be two bearing in lieu of single bearing.
3. Specification 16620 Para. 2.07.B.1-3: Load bank does not have automatic load testing features. These features are typical of a pad-mount permanent or portable load bank but we are providing a radiator mounted load bank. The load bank will have a "load dump" feature that will remove the load if the ATS indicates emergency power is required due to a utility outage during a test. The generator operator will need to manual operate the load bank using the remote panel that is mounted near the generator control panel.



**ED DAWE**

## TERMS & CONDITIONS

“Hawthorne’s Power Sales Terms and Conditions (available at [www.hawthornecat.com/terms](http://www.hawthornecat.com/terms)) are hereby incorporated by this reference with the same force and effect as if set forth in full herein.”

1. A 3% credit card surcharge (of total transaction amount) will be assessed for all purchases greater than \$3,000.00. Additionally, prior approval is required for credit card purchases greater than \$3,000.00.

SUBMITTED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

COMPANY/FIRM: \_\_\_\_\_

PO#: \_\_\_\_\_

## Steve Nielsen

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**From:** Ed Dawe <edawe@hawthornecat.com>  
**Sent:** Monday, October 28, 2019 1:12 PM  
**To:** Steve Nielsen  
**Cc:** Joe Moraes  
**Subject:** RE: Yuima Water Booster Station Project  
**Attachments:** CUTSHEET--C32 1000 kW (9-30-19).pdf; CUTSHEET--G3512 750 kW Standby Cutsheet.pdf; CUTSHEET--G3516C (1000 kW)..pdf

Hi Steve,

CAT does not produce any dual fuel generators and I don't know about our competitors ability to do what you are asking. There might be some third party companies out there that have the ability to offer this as after-market, but given the short notice I cannot help.

Diesel and Natural Gas engines are very different so I see several issues with doing the conversion. As a general rule, diesel engines have a much higher power density than gas engines. We don't have nearly as wide a variety of available nodes in the Natural Gas category as we do in diesel. Most NG units require site specific emissions testing vs. the diesel engines are certified from the factory and usually don't require any site testing by local APCD. The attached 1000 kW G3512 would need special site specific testing while the 750 kW G3512 is EPA certified.

For example, on the Yuima project we quoted a CAT C32 (Diesel engine with 32 liters of displacement) rated at 1000 kW. We have a CAT G3512 (NG engine with 52 liters of displacement) rated at 750 kW. The 3512 is 60% more displacement and has less power output than the diesel unit. The G2512 costs about 2x as much as the C32 as well.

Here is a summary of advantages and disadvantages of each:

### DIESEL Advantages when compared to NG:

- Higher power density
- Lower initial cost
- Better transient response to fluctuating loads
- Can operate islanded
- Usually meets NFPA 110 requirements for step loading
- Easily store standby fuel requirements onsite

### NG Advantages when compared to diesel:

- Cleaner fuel (emissions standards) alternative
- Don't need to store fuel onsite (this is an advantage when you dont want to store fuel or meeting a life safety requirement is not necessary)
- Might meet renewable energy or clean energy incentives

If the Yuima project needs the genset to meet Emergency Standby power requirements then diesel is the best alternative. The only real advantage NG has over diesel is it is cleaner but if the unit is going to be used for standby then it should get relatively low usage.

Please let me know if you need more information.

Regards,  
ED

# Cat® C32

## Diesel Generator Sets



Image shown may not reflect actual configuration

Bore – mm (in)	145 (5.7)
Stroke – mm (in)	162 (6.4)
Displacement – L (in <sup>3</sup> )	32.1 (1959)
Compression Ratio	15.0:1
Aspiration	TA
Fuel System	EUI
Governor Type	ADEM™ A4

Standby 60 Hz ekW (kVA)	Mission Critical 60 Hz ekW (kVA)	Prime 60 Hz ekW (kVA)	Continuous 60 Hz ekW (kVA)	Emissions Performance
1000 (1250)	1000 (1250)	910 (1137)	830 (1038)	U.S. EPA Certified for Emergency Stationary Applications (Tier 2)

### Standard Features

#### Cat® Diesel Engine

- Designed and tested to meet the U.S. EPA Emergency Stationary (Tier 2) emissions
- Reliable and consistent performance proven in thousands of applications worldwide

#### Generator Set Package

- Accepts 100% block load in one step and meets the NFPA 110 loading requirements
- Conforms to ISO 8528-5 G3 load acceptance requirements.
- Reliability is verified through prototype testing, which includes torsional vibration, fuel consumption, oil consumption, transient performance, and endurance testing

#### Alternators

- Superior motor starting capability minimizes the need for oversizing the generator
- Designed to match the performance and output characteristics of Cat diesel engines

#### Cooling System

- Cooling systems available to operate in ambient temperatures up to 50°C (122°F)
- Tested to ensure proper generator set cooling

#### EMCP 4 Control Panels

- User-friendly interface and navigation
- Scalable system to meet a wide range of installation requirements
- Expansion modules and site specific programming for specific customer requirements

#### Warranty

- 24 months/1000-hour warranty for standby and mission critical ratings
- 12 months/unlimited hour warranty for prime and continuous ratings
- Extended service protection is available to provide extended coverage options

#### Worldwide Product Support

- Cat dealers have over 1,800 dealer branch stores operating in 200 countries
- Your local Cat dealer provides extensive post-sale support, including maintenance and repair agreements

#### Financing

- Caterpillar offers an array of financial products to help you succeed through financial service excellence
- Options include loans, finance lease, operating lease, working capital, and revolving line of credit
- Contact your local Cat dealer for availability in your region

## Optional Equipment

### Engine

#### Air Cleaner

- Single element
- Dual element
- Heavy duty

#### Muffler

- Industrial grade (15 dB)

#### Starting

- Standard batteries
- Oversized batteries
- Standard electric starter
- Dual electric starter
- Jacket water heater

### Alternator

#### Output voltage

- 220V    480V
- 240V    600V
- 380V    2400V
- 400V    4160V

#### Temperature Rise (over 40°C ambient)

- 150°C
- 125°C/130°C
- 105°C
- 80°C

#### Winding type

- Random wound
- Form wound

#### Excitation

- Self excited
- Internal excitation (IE)
- Permanent magnet (PM)

#### Attachments

- Anti-condensation heater
- Stator and bearing temperature monitoring and protection

### Power Termination

#### Type

- Bus bar
- Circuit breaker
- 400A    800A
- 1200A    1600A
- 2000A    2500A
- 3000A    3200A
- UL    IEC
- 3-pole    4-pole
- Manually operated
- Electrically operated

#### Trip Unit

- LSI    LSI-G
- LSI-P

### Factory Enclosure

- Weather protective
- Sound attenuated

#### Attachments

- Cold weather bundle
- DC lighting package
- AC lighting package
- Motorized louvers

### Fuel Tank

- Sub-base
- 1000 gal (3875 L)
- 2000 gal (7570 L)
- 3600 gal (13627 L)

### Control System

#### Controller

- EMCP 4.2B
- EMCP 4.3
- EMCP 4.4

#### Attachments

- Local annunciator module
- Remote annunciator module
- Expansion I/O module
- Remote monitoring software

### Charging

- Battery charger – 10A

### Vibration Isolators

- Rubber
- Spring
- Seismic rated

### Cat Connect

#### Connectivity

- Ethernet
- Cellular
- Satellite

### Extended Service Options

#### Terms

- 2 year (prime)
- 3 year
- 5 year
- 10 year

#### Coverage

- Silver
- Gold
- Platinum
- Platinum Plus

### Ancillary Equipment

- Automatic transfer switch (ATS)
- Uninterruptible power supply (UPS)
- Paralleling switchgear
- Paralleling controls

### Certifications

- UL2200
- CSA
- IBC seismic certification
- OSHPD pre-approval

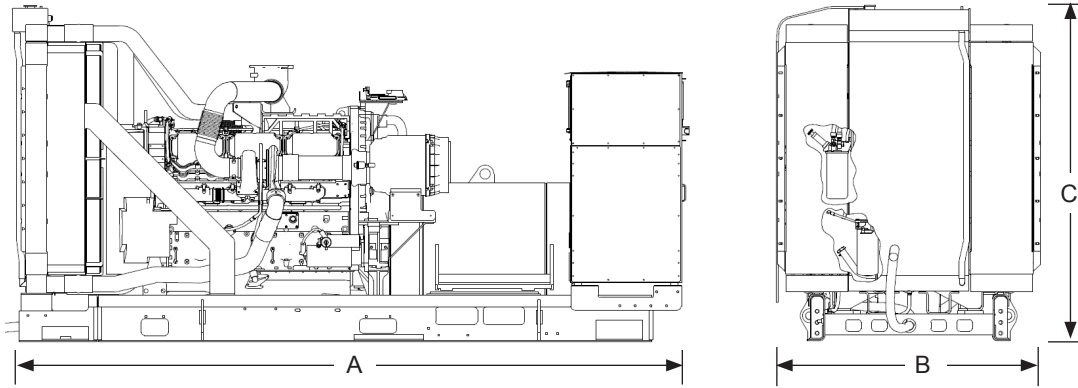
**Note:** Some options may not be available on all models. Certifications may not be available with all model configurations. Consult factory for availability.

## Package Performance

Performance	Standby	Mission Critical	Prime	Continuous
Frequency	60 Hz	60 Hz	60 Hz	60 Hz
Gen set power rating with fan	1000 ekW	1000 ekW	910 ekW	830 ekW
Gen set power rating with fan @ 0.8 power factor	1250 kVA	1250 kVA	1138 kVA	1038 kVA
Fueling strategy	EPA ESE (Tier 2)	EPA ESE (Tier 2)	EPA ESE (Tier 2)	EPA ESE (Tier 2)
Performance number	DM9933-03	EM0449-00	DM9934-04	DM9935-03
<b>Fuel Consumption</b>				
100% load with fan – L/hr (gal/hr)	272.1 (71.9)	272.1 (71.9)	248.6 (65.7)	232.1 (61.3)
75% load with fan – L/hr (gal/hr)	213.4 (56.4)	213.4 (56.4)	197.0 (52.0)	176.5 (46.6)
50% load with fan – L/hr (gal/hr)	144.7 (38.2)	144.7 (38.2)	134.2 (35.5)	122.9 (32.5)
25% load with fan – L/hr (gal/hr)	82.6 (21.8)	82.6 (21.8)	78.5 (20.7)	73.4 (19.4)
<b>Cooling System</b>				
Radiator air flow restriction (system) – kPa (in. water)	0.12 (0.48)	0.12 (0.48)	0.12 (0.48)	0.12 (0.48)
Radiator air flow – m <sup>3</sup> /min (cfm)	1175 (41494)	1175 (41494)	1175 (41494)	1175 (41494)
Engine coolant capacity – L (gal)	55 (14.5)	55 (14.5)	55 (14.5)	55 (14.5)
Radiator coolant capacity – L (gal)	36 (9.0)	36 (9.0)	36 (9.0)	36 (9.0)
Total coolant capacity – L (gal)	91 (23.5)	91 (23.5)	91 (23.5)	91 (23.5)
<b>Inlet Air</b>				
Combustion air inlet flow rate – m <sup>3</sup> /min (cfm)	87.6 (3094.1)	87.6 (3094.1)	83.7 (2954.5)	80.0 (2825.6)
<b>Exhaust System</b>				
Exhaust stack gas temperature – °C (°F)	476.4 (889.5)	476.4 (889.5)	459.5 (859.1)	461.2 (862.1)
Exhaust gas flow rate – m <sup>3</sup> /min (cfm)	228.4 (8065.3)	228.4 (8065.3)	212.1 (7488.7)	204.8 (7231.2)
Exhaust system backpressure (maximum allowable) – kPa (in. water)	6.7 (27.0)	6.7 (27.0)	6.7 (27.0)	6.7 (27.0)
<b>Heat Rejection</b>				
Heat rejection to jacket water – kW (Btu/min)	352 (20033)	352 (20033)	327 (18624)	307 (17468)
Heat rejection to exhaust (total) – kW (Btu/min)	1024 (58206)	1024 (58206)	933 (53072)	896 (50940)
Heat rejection to aftercooler – kW (Btu/min)	288 (16385)	288 (16385)	255 (14526)	230 (13082)
Heat rejection to atmosphere from engine – kW (Btu/min)	127 (7238)	127 (7238)	116 (6625)	114 (6486)
Heat rejection from alternator – kW (Btu/min)	55 (3131)	55 (3131)	50 (2846)	45 (2561)
<b>Emissions* (Nominal)</b>				
NOx mg/Nm <sup>3</sup> (g/hp-h)	2348.6 (4.93)	2348.6 (4.93)	2293.5 (4.81)	1969.0 (4.23)
CO mg/Nm <sup>3</sup> (g/hp-h)	62.1 (0.13)	62.1 (0.13)	59.2 (0.12)	52.5 (0.11)
HC mg/Nm <sup>3</sup> (g/hp-h)	5.5 (0.01)	5.5 (0.01)	7.0 (0.02)	12.7 (0.03)
PM mg/Nm <sup>3</sup> (g/hp-h)	7.2 (0.02)	7.2 (0.02)	6.6 (0.02)	7.1 (0.02)
<b>Emissions* (Potential Site Variation)</b>				
NOx mg/Nm <sup>3</sup> (g/hp-h)	2841.6 (5.97)	2841.6 (5.97)	2775.2 (5.83)	2382.5 (5.11)
CO mg/Nm <sup>3</sup> (g/hp-h)	116.1 (0.24)	116.1 (0.24)	110.6 (0.23)	98.1 (0.21)
HC mg/Nm <sup>3</sup> (g/hp-h)	10.3 (0.03)	10.3 (0.03)	13.2 (0.03)	24.1 (0.06)
PM mg/Nm <sup>3</sup> (g/hp-h)	14.1 (0.04)	14.1 (0.04)	12.9 (0.03)	13.9 (0.04)

\*mg/Nm<sup>3</sup> levels are corrected to 5% O<sub>2</sub>. Contact your local Cat dealer for further information

## Weights and Dimensions



Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Dry Weight kg (lb)
4165 (164.0)	1684 (66.3)	2162 (85.1)	6668 (14,700)

**Note:** For reference only. Do not use for installation design. Contact your local Cat dealer for precise weights and dimensions.

## Ratings Definitions

### Standby

Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

### Mission Critical

Output available with varying load for the duration of the interruption of the normal source power. Average power output is 85% of the mission critical power rating. Typical peak demand up to 100% of rated power for up to 5% of the operating time. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

### Prime

Output available with varying load for an unlimited time. Average power output is 70% of the prime power rating. Typical peak demand is 100% of prime rated kW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

### Continuous

Output available with non-varying load for an unlimited time. Average power output is 70-100% of the continuous power rating. Typical peak demand is 100% of continuous rated kW for 100% of the operating hours.

### Applicable Codes and Standards

AS1359, CSA C22.2 No100-04, UL142, UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22, NEMA MG1-33, 2014/35/EU, 2006/42/EC, 2014/30/EU.

**Note:** Codes may not be available in all model configurations. Please consult your local Cat dealer for availability.

### Data Center Applications

Tier III/Tier IV compliant per Uptime Institute requirements. ANSI/TIA-942 compliant for Rated-1 through Rated-4 data centers.

### Fuel Rates

Fuel rates are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42,780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal.)

[www.cat.com/electricpower](http://www.cat.com/electricpower)

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Materials and specifications are subject to change without notice.  
The International System of Units (SI) is used in this publication.



**G3512**

**750 ekW/ 937 kVA/ 60 Hz/ 1800 rpm/ 440-4160 V/ 0.8 Power Factor**

**Rating Type: STANDBY**

**Emissions: U.S. (EXCL CALIF) EPA S.I. STATIONARY  
NON-EMERGENCY Emission Standards**

**G3512**

**750 ekW/ 937 kVA/ 60 Hz/ 1800 rpm/ 440-4160 V/  
0.8 Power Factor**



Image shown may not reflect actual configuration

**Metric English**

<b>Generator Set Specifications</b>		
Maximum Rating @ 0.80 pf	937 kVA	750 ekW
Frequency	60 Hz	
Engine Speed (rpm)	1800 RPM	
Fuel	NATURAL GAS	
Emission Standards	U.S. (EXCL CALIF) EPA S.I. STATIONARY NON-EMERGENCY Emission Standards	
Performance Number	EM4567-02	
Altitude Capability at 25°C (77°F) ambient, above sea level	2862 m	9390 ft

<b>Engine Specifications</b>		
Engine Model	G3512	
Compression Ratio	9.70	
Aspiration	TA	
Governor Type	ADEM4 W/ IM	
Bore	170 mm	7 in
Displacement	52 L	3158 in <sup>3</sup>
Stroke	190 mm	8 in
Aftercooler Temperature	54 °C	130 °F
Jacket Water Outlet	99 °C	210 °F

<b>Package Dimensions*</b>		
Length	6003 mm	236 in
Width	2286 mm	90 in
Height	2516 mm	99 in



**G3512**

**750 ekW/ 937 kVA/ 60 Hz/ 1800 rpm/ 440-4160 V/ 0.8 Power Factor**

**Rating Type: STANDBY**

**Emissions: U.S. (EXCL CALIF) EPA S.I. STATIONARY  
NON-EMERGENCY Emission Standards**

<b>Package Fuel Consumption (ISO 3046/1)</b>		
100% Load with Fan	10.84 MJ/ekw-hr	10282 Btu/ekw-hr
75% Load with Fan	11.60 MJ/ekw-hr	10994 Btu/ekw-hr
50% Load with Fan	13.18 MJ/ekw-hr	12495 Btu/ekw-hr

<b>Exhaust System</b>		
Combustion Air Flow (0° C, 101.3 kPa) / (77° F, 14.7 psia)	4.59 Nm3/bkW-hr	2451 ft3/min
Exhaust temperature – engine outlet	512.00 °C	953 °F
Exhaust gas flow (@engine outlet temp, 14.5psia)	4.88 Nm3/bkW-hr	6955 ft3/min

<b>Heat Rejection</b>		
Jacket Water Circuit (JW + OC + 1AC)	491 kW	27927 Btu/min
Heat rejection to jacket water (JW)	364 kW	20683 Btu/min
Heat rejection to atmosphere (Includes Generator)	138 kW	7840 Btu/min
Heat rejection to exhaust (LHV to 120°C / 248°F)	627 kW	35672 Btu/min

**DEFINITIONS AND CONDITIONS**

1. For ambient and altitude capabilities consult your Cat dealer.
2. Engine rating obtained and presented in accordance with ISO 3046/1. (Standard reference conditions of 77°F, 29.60 in Hg barometric pressure.) No overload permitted at rating shown.
3. Ratings are based on a natural gas fuel with a methane number with a LHV of 905 Btu/scf.
4. Gaseous emissions data measurements are consistent with those described in EPA 40 CFR PART 60 SUBPART JJJJ and ISO 8178 for measuring VOC, CO, and NOx.
5. Tolerance: Exhaust stack temperature +/- 8%, Inlet airflow rate +/- 5%, Exhaust flow +/- 6% Fuel rate +/- 5%, Heat rejection +/- 5%, Exhaust heat rejection +/- 10%

**APPLICABLE CODES AND STANDARDS:**

AS1359, CSA C22.2 No100-04, UL142,UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22,NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.

Note: Codes may not be available in all model configurations. Please consult your local Cat Dealer representative for availability.

**G3512**

**1000 ekW/ 1250 kVA/ 60 Hz/ 1800 rpm/ 440-4160 V/ 0.8 Power Factor**

**Rating Type: STANDBY**

**Emissions: U.S. (EXCL CALIF) EPA S.I. STATIONARY  
NON-EMERGENCY Emission Standards**

**G3512**

**1000 ekW/ 1250 kVA/ 60 Hz/ 1800 rpm/ 440-4160  
V/ 0.8 Power Factor**



Image shown may not reflect actual configuration

**Metric English**

<b>Generator Set Specifications</b>		
Maximum Rating @ 0.80 pf	1250 kVA	1000 ekW
Frequency	60 Hz	
Engine Speed (rpm)	1800 RPM	
Fuel	NATURAL GAS	
Emission Standards	U.S. (EXCL CALIF) EPA S.I. STATIONARY NON-EMERGENCY Emission Standards	
Performance Number	EM4565-02	
Altitude Capability at 25°C (77°F) ambient, above sea level	1928 m	6325 ft

<b>Engine Specifications</b>		
Engine Model	G3512	
Compression Ratio	9.70	
Aspiration	TA	
Governor Type	ADEM4 W/ IM	
Bore	170 mm	7 in
Displacement	52 L	3158 in <sup>3</sup>
Stroke	190 mm	8 in
Aftercooler Temperature	54 °C	130 °F
Jacket Water Outlet	99 °C	210 °F

<b>Package Dimensions*</b>		
Length	6003 mm	236 in
Width	2286 mm	90 in
Height	2516 mm	99 in



G3512

1000 ekW/ 1250 kVA/ 60 Hz/ 1800 rpm/ 440-4160 V/ 0.8 Power Factor

Rating Type: STANDBY

Emissions: U.S. (EXCL CALIF) EPA S.I. STATIONARY  
NON-EMERGENCY Emission Standards

Package Fuel Consumption (ISO 3046/1)		
100% Load with Fan	10.29 MJ/ekw-hr	9757 Btu/ekw-hr
75% Load with Fan	10.78 MJ/ekw-hr	10225 Btu/ekw-hr
50% Load with Fan	11.84 MJ/ekw-hr	11227 Btu/ekw-hr

Exhaust System		
Combustion Air Flow (0° C, 101.3 kPa) / (77° F, 14.7 psia)	4.37 Nm3/bkW-hr	3071 ft3/min
Exhaust temperature – engine outlet	512.00 °C	954 °F
Exhaust gas flow (@engine outlet temp, 14.5psia)	4.65 Nm3/bkW-hr	8721 ft3/min

Heat Rejection		
Jacket Water Circuit (JW + OC + 1AC)	611 kW	34726 Btu/min
Heat rejection to jacket water (JW)	423 kW	24072 Btu/min
Heat rejection to atmosphere (Includes Generator)	153 kW	8705 Btu/min
Heat rejection to exhaust (LHV to 120°C / 248°F)	787 kW	44757 Btu/min

**DEFINITIONS AND CONDITIONS**

1. For ambient and altitude capabilities consult your Cat dealer.
2. Engine rating obtained and presented in accordance with ISO 3046/1. (Standard reference conditions of 77°F, 29.60 in Hg barometric pressure.) No overload permitted at rating shown.
3. Ratings are based on a natural gas fuel with a methane number with a LHV of 905 Btu/scf.
4. Gaseous emissions data measurements are consistent with those described in EPA 40 CFR PART 60 SUBPART JJJJ and ISO 8178 for measuring VOC, CO, and NOx.
5. Tolerance: Exhaust stack temperature +/- 8%, Inlet airflow rate +/- 5%, Exhaust flow +/- 6% Fuel rate +/- 5%, Heat rejection +/- 5%, Exhaust heat rejection +/- 10%

**APPLICABLE CODES AND STANDARDS:**

AS1359, CSA C22.2 No100-04, UL142,UL489, UL869, UL2200,  
NFPA37, NFPA70, NFPA99, NFPA110, IEC60034-1, ISO3046, ISO8528,  
NEMA MG1-22,NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.

Note: Codes may not be available in all model configurations. Please consult your local Cat Dealer representative for availability.

## Steve Nielsen

---

**From:** Ed Dawe <edawe@hawthornecat.com>  
**Sent:** Monday, October 28, 2019 1:23 PM  
**To:** Steve Nielsen  
**Cc:** Joe Moraes  
**Subject:** RE: Yuima Water Booster Station Project  
**Attachments:** LEDW0014-01.pdf

Steve,

After doing more research it does appear CAT offers this option for our 3512 diesel genset after all. I don't have any idea of what the rating would be or the cost but it looks like CAT offers this, primarily for the Oil and Gas market. The engine can run off of 100% diesel or a mixture of 70% gas and 30% diesel. I am not sure what the ratings are or if this is allowed for use in California or not.

I would estimate the cost will be at least 2x that of the C32 1000 kW diesel genset I already quoted. As stated in the previous email we will need to use a much larger engine and there will be additional equipment and extensive onsite testing.

Please let me know if you would like me to pursue this.

Regards,  
ED

**Ed Dawe**  
EPG Sales Engineer  
Office: 858-376-6824  
Mobile: 808-342-1300  
Fax: 858-674-3278



**From:** Steve Nielsen <Steve@dwilsoneng.com>  
**Sent:** Monday, October 28, 2019 11:13 AM  
**To:** Ed Dawe <edawe@hawthornecat.com>  
**Cc:** Joe Moraes <joe@moraespham.com>  
**Subject:** \*\*EXTERNAL\*\* RE: Yuima Water Booster Station Project

Hi Ed,

I'm not sure if you are aware but Scott Nelson is moving out of state and his last day was this past Friday. Yuima is seriously considering the purchase of this unit and one of the Board members called me with a question that I hope you can answer. They realize this unit would be installed initially as a standby diesel unit, but they would like to reserve the potential if possible for converting the unit to run on natural gas in the future. I'm not sure that will ever happen, but they would at least like to have an idea if it is possible and, if so, what would generally be involved.

# A Dynamic Advantage

**Dynamic Gas Blending –  
your dual-fuel solution for land drilling, production, and well service**



# Take Control

Use gas when it's available and continuously modulate gas substitution when needed.

Cat® Dynamic Gas Blending is optimized to handle variations in fuel quality and engine operating conditions.

You save fuel and your diesel power and transient performance is consistently maintained.

**Lowering operating costs while maintaining emissions compliance with a single technology is exciting... but it's just the beginning.**



## Strike a new balance

### Where profitability...

- Lower fuel costs with up to 70%\* replacement of diesel with gas
- Maintain existing service intervals and component life
- Increase display and diagnostic performance with the ADEM™ A4 and EMCP 4.4\* controls

### ...Meets responsibility

- Capability to run on field gas as an alternative to flaring
- Designed with CSA certified components
- Safety features built into the integrated controls
- Maintain original emissions certifications with retrofit kit

\* Differs for well service applications

## Exercise your options

If you choose to retrofit your existing equipment, you get all the benefits of Dynamic Gas Blending and all the advantages of a complete package, including full warranty coverage and genuine parts from the global Cat dealer network.

- Bolt-on component installation
- Consolidated parts packaging
- Ease of order with one part number for the kit

## Be flexible

Dynamic Gas Blending automatically adjusts to changes in incoming fuel quality and pressure allowing your engines to run on a wide variety of fuels, from associated gas to gasified LNG.

- Continuously modulates gas substitution under all transient loading to optimize fuel savings
- Accepts up to 55% inerts
- Requires no recalibration when equipment is moved or gas supply changes







## Stay Confident

Complete package or retrofit, when you invest in legendary equipment, you get legendary support. Caterpillar remains your partner through changing technology in a changing industry. And the Cat dealer network is where you are, when you need them, year after year. Cat parts, maintenance, repair, and experience are at your service for the life of your engine.

## Caterpillar Global Petroleum

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Visit [www.catoilandgasinfo.com](http://www.catoilandgasinfo.com) today.



# REQUISITION

**Requisition #:** REQ00731

**Date:** 12/12/2019

**Vendor #:** 1723

**ISSUED TO:** CANYON SPRINGS ENTERPRISES,dba  
3883 WENTWORTH DRIVE  
HEMET, CA 92545

**SHIP TO:** Yuima Municipal Water District  
34928 Valley Center Road  
Pauma Valley, CA 92061

ITEM	UNITS DESCRIPTION	PROJECT #	PRICE GL ACCOUNT NUMBER	AMOUNT
1	0 Forebay Rehab		0.00 10-600-60-6300-619	3,195,000.00

**Detailed Description:**

**Authorized By:** \_\_\_\_\_

<b>SUBTOTAL:</b>	3,195,000.00
<b>TOTAL TAX:</b>	0.00
<b>SHIPPING:</b>	0.00
<b>TOTAL</b>	3,195,000.00