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, _____, 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 _____ day of _____, 2019, and placed upon its second reading and adopted at a regular meeting of the Board of Directors on the _____ day of _____, 2019 by the vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____
[Name]
Secretary
Yuima Municipal Water District

APPROVED:

_____
[Name]
President
Yuima Municipal Water District

DISCUSSION PAPER/ANALYSIS
SOURCE/TRANSMISSION/STORAGE CAPACITY
YUIMA MWD
September 30, ~~2010~~ 2019

INTRODUCTION:

There have been concerns raised regarding the ability of the YMWD infrastructure to continue to meet increasing demands for water supply, especially during periods of high demand during the summer months. The following observations lend support to these concerns:

1. During the summer months the Forebay Pump Station has been pumping at near capacity for 6-8 weeks consecutively. In the past full capacity pumping was counted in days per year, not in weeks or months.
2. The uncertainty regarding the viability of agriculture in the service area raises the concern of committing extensive funds necessary to provide for additional infrastructure. This could result in stranded assets and place a strain on the District's ratepayers for covering the cost of unutilized assets.
3. The State Water Resources Control Board, Division of Drinking Water (DDW) has expressed concern over storage capacity in the system in recent Sanitary Surveys they have conducted in our service area.
4. The unknown long-term effects of the implementation of the Sustainable Groundwater Management Act in the service area is an additional reason to be very conservative with the expenditure of funds to increase the carrying capacity of the system infrastructure.
5. Current demands in the Yuima main system (the valley v. IDA), especially those in the western portion of the service area, are causing loss of pressure in the areas of the pumps stations that supply water into IDA.

The District adopted an Interruptible Agricultural Rate which allows the District to request customers with that rate, as well as those who participate in the CWA TSAWR rate, to curtail their usage so that delivery can be made to non-interruptible customers. This is an action that the District doesn't relish implementing, but the future may see the need to develop additional criteria

and a path to curtail supplies to minimize impact to the agricultural customers. The cost to improve the system infrastructure to eliminate the need for interruptible rates is estimated to exceed $15 million for addition pipelines, storage tanks and booster pumps. The Board of Directors exhibited sound financial conservativeness to proceed at the pace to improve system infrastructure that allows time to assess the impacts, and the resultant future needs, of the elements that may influence water use in the District in the future.

Therefore, in keeping with the implementation of this conservative approach, the need to control future demands on the system needs Board direction on the options available, and our response to external factors facing our ratepayers. Some possible options, to initiate this discussion are as follows:

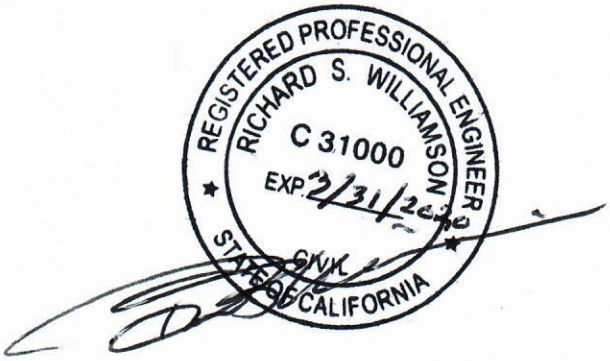
A. Impose a temporary moratorium on the connection of any new meters larger than 1" in size until such time as the Board determines that the system infrastructure warrants be expanded to meet anticipated future demand as exterior influences are evaluated and become more certain.
B. Continue under current policy of hooking up new customers with the recognition that their service is interuptible, and working with the local agricultural community to schedule deliveries to reduce instantaneous demand on the system which will halt the interference of delivery of full flow pumping capability to the IDA service area.
C. Conduct a facility study to ascertain all of the improvements necessary to comply with State standards for supply and storage capacity, and let the ratepayers vote on a General Obligation Bond to fund the identified improvements.

There are numerous other permutations of these scenarios that could be, and should be discussed. But the need to address this issue is undeniable at this point in time. I have attached a very brief, concise analysis of our present Capacity Assessment to provide some context to our discussions.

Respectfully Submitted,

Richard S. Williamson, P.E.
General Manager

ATTACHMENT:



YMWD Capacity Assessment:
(1) The Maximum Day Demand (MDD) computed per §64554 (a) and using District records is 6.65 MGD. With an existing 10.44 MGD source capacity, no improvement is needed for YMWD.

(2) Per §64554 (a)(2) and existing 9.2 MG (excluding Forebay Tank) storage capacity, YMWD does not require additional storage or source capacity to meet the 6.65 MGD of MDD.

YMWD-IDA Capacity Assessment:
(1) The Maximum Day Demand (MDD) is 11.28 MGD computed per §64554 (a) and using District records. With an existing 8.43 MGD source capacity (considering 4,000 gpm supply from Tap 1, 2 and 3) a 2,000 gpm supply improvement is needed for a total supply to YMWD-IDA of 6,000 gpm.

(2a) Per §64554 (a)(2) and existing 9.31 MG of storage capacity, YMWD-IDA does not have sufficient storage and would require an additional 2 MG storage tank to meet the 11.28 MGD of MDD along with the 2,000 gpm supply improvement.

(2b) as an alternative to building an additional 2 MG storage tank YMWD could increase supply to YMWD-IDA by 3344 gpm for a total of 7344 gpm.

The impact to the supply improvements planned for SDCWA (i.e., Forebay PS and Valley Center Emergency Supply) include the following options:

Option 1: Build 2 MG storage tank in YMWD-IDA and increase supply to YMWD-IDA for a total of 6,000 gpm (13.4 cfs). This will require the Forebay PS capacity to be increased to 22 cfs and be supplemented by Valley Center Emergency Supply connection at Lilac Rd for another 1.5 cfs, totaling 23.5 cfs. It is understood that additional conveyance improvements downstream of McNally Tanks are anticipated pending additional hydraulic analysis of YMWD's conveyance system.

Option 2: Do not build additional storage tank in YMWD-IDA, but increase supply to YMWD-IDA for a total of 7,344 gpm (16.4 cfs). This will require the

Forebay PS capacity to be increased to 22 cfs and be supplemented by Valley Center Emergency Supply connection at Lilac Road for another 4.5 cfs, totaling 26.5 cfs. Again it is understood that additional conveyance improvements downstream of McNally Tanks are anticipated pending additional hydraulic analysis of YMWD's conveyance system.

As a side note, the velocity in a 20-inch mainline at the following flows are:

- 26.5 cfs the velocity is 12.2 fps
- 23.5 cfs the velocity is 10.8 fps

RESOLUTION NO. _____

RESOLUTION OF THE BOARD OF DIRECTORS OF YUIMA MUNICIPAL WATER DISTRICT GIVING NOTICE OF HEARING TO CONSIDER PROPOSED MODIFICATION TO RATES AND CHARGES FOR FUTURE AUTOMATIC ADJUSTMENTS TO PASS THROUGH ANY INCREASES AND DECREASES IN WHOLESALE FIXED CHARGES FOR WATER

WHEREAS, the Yuima Municipal Water District proposes to modify its rates and charges in order 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 and decreases in the San Diego County Water Authority's and the Metropolitan Water District of Southern California's fixed charges.

WHEREAS, in order to invite comments from the public, it is necessary to schedule a public hearing and give appropriate notice.

NOW, THEREFORE, BE IT RESOLVED THAT a hearing before the Board of Directors of Yuima Municipal Water District be held at 2:10 p.m. on December 16, 2019 at the office of the District 34928 Valley Center Road, Pauma Valley, San Diego County, California, for the purpose of receiving comments on the proposed rate modification; and

That the Secretary cause the Public Notice attached hereto to be posted, mailed to all property owners and ratepayers in the district, and posted on the District's web page prior to said hearing.

PASSED AND ADOPTED at a regular meeting held October 28, 2019 by the following roll-call vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____
Ron W. Watkins, President

ATTEST:

_____
Roland Simpson, Vice-President

October 28, 2019

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

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

SUBJECT: **Forebay Pump Station Back Up Generator**

PURPOSE: To provide information on different options for the backup power to be included in the Forebay Pump Station Rehabilitation Project.

SUMMARY: The original design proposal from Dexter Wilson called for a diesel generator by Kohler. The Board felt that a it would be more appropriate to use a generator from a company that has a reputation for quality diesel engines such as CAT or Cummins.

Additionally, because the SDG&E natural gas line runs right by the pump station the Board wanted to obtain a generator that could be easily converted to natural gas in the future. Dexter-Wilson has obtained quotes from both CAT and Cummins for the Boards review. In order in include the generator into the construction and finished project, we must order the generator by the end of November.

RECOMMENDATIONS: That the Board discuss the different options and direct Staff as to which option they would like to implement into the finished project.

SUBMITTED BY:

Amy Reeh
Assistant General Manager

HAWTHORNE CAT

QUOTE #:

ED19-190414-4

Forebay Water Booster Fac.--Yuima Municipal Water

To: Scott Nelson
Company: Moreas/Pham & Associates
Date: 10/22/2019

Quote Valid Through: 1/20/2020
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/commissioing, 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
				$ -
				$ -
				$ -
			TOTAL:	**$ 319,460.00**

Value Engineering & Optional Adders

1a	1	10-Year Caterpillar Generator Set Warranty with Rental Protection	$ 11,100.00	$ 11,100.00
1b	1	Remove Load Bank from Scope of Supply and provide CAT Enclosure and Tank	$ (24,800.00)	$ (24,800.00)
			$ 3,580.00	$ -
				$ -
				$ -

Hawthorne Power Systems
San Diego, CA

ED DAWE
EPG Sales Engineer

edawe@hawthornecat.com
808-342-1300

HAWTHORNE CAT

QUOTE: ED19-190414-4

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. 3rd 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, 5-½ 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) 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#:_____

October 21, 2019 **QUOTATION NO: 41987**

Cummins

3061 S Riverside Ave
Bloomington, California, 92316

Project: Forebay Water Booster Facility **Quotation No:** 41987

Yuima MWD
34928 Valley Center Dr.
Pauma Valley, California, 92061

Item	Notes	ID	Description	Qty
1	a		**Cummins Diesel Genset: 60Hz-1000kW**	1
		Install-US-Stat	U.S. EPA, Stationary Emergency Application
		1000DQFAD	Genset-Diesel,60Hz,1000kW
		A331-2	Duty Rating-Standby Power
		L090-2	Listing-UL 2200
		L228-2	Certification-Seismic, IBC2000, IBC2003, IBC2006, IBC2009, IBC2012
		L170-2	Emissions Certification, EPA, Tier 2, NSPS CI Stationary Emergency
		R002-2	Voltage-277/480,3 Phase,Wye,4 Wire
		B288-2	Alternator-60Hz,Wye Conn, Broad Range, 125/105C
		H704-2	Generator Set Control-PowerCommand 3.3, Paralleling
		H679-2	Control Mounting-Front Facing
		H536-2	Display Language-English
		H606-2	Meters-AC Output,Analog
		H678-2	Display-Control, LCD
		K631-2	Relays-Genset Status, User Configured
		KA08-2	Alarm-Audible, Engine Shutdown
		KS53-2	Signals - Auxiliary, 8 Inputs/8 Outputs
		KU32-2	Relay - Alarm Shutdown
		KU67-2	Relays-Paralleling Circuit Breaker Control
		KU95-2	CB or EB or TB-Right And Left
		KP89-2	CB-1200A,3P,600/690V,UL/IEC,ServEnt,100%UL,Left
		KB73-2	CB or EB or TB-Bottom Entry, Left
		KP86-2	CB-1600A,3P,600/690V,UL/IEC,ServEnt,100%UL,Right
		KB72-2	CB or EB or TB-Bottom Entry, Right
		H666-2	Indication-Ground Fault, 3-Pole Xfr Sw, Rmt Mt CT
		KP98-2	Ckt Brkr Access, 24VDC Trip, Aux&Trip Contacts,RS
		KP99-2	Ckt Brkr Access, 24VDC Trip, Aux&Trip Contacts,LS
		KR02-2	Circuit Breaker Lugs-Mechanical, Right Side
		CB20508MR1	LSIG Trip Unit - Micrologic 6.0
		C127-2	Separator-Fuel/Water
		E126-2	EngineCooling-Enhanced HighAmbient Air Temperature
		H389-2	Shutdown-Low Coolant Level
		E098-2	Sight Glass-Coolant Level
		H556-2	Coolant Heater-208/240/480V, 40F Minimum Ambient Temp
		D041-2	Engine Air Cleaner-Normal Duty
		L010-2	Test Record-Strip Chart
		L015-2	Test-Extended, Standby Load, 1 Hour
		L026-2	Test Record-Certified
		L189-2	ST 5YR 2500HR Parts + Labor + Travel
		0300-5929-02	Annunciator-Panel Mounted With Enclosure (RS485)
		A048G602	Battery Charger-10Amp,120/208/240VAC,12/24V,50/60Hz
		AC2142MR4	Racor Closed Crankcase Ventilation (CCV) System - QSK23/QST30
		AC94MR4	RS-485 to Ethernet Converter
		AC6406MR2	O&M Manuals
		LB18281MR7	500kW Radiator-Cooled Load Bank
		EN9526MR6	76dB(A) @ 23ft. Steel Sound Attenuated Enclosure & 24 Hour UL142 Sub-Base Fuel Tank Package w/ IBC Certification- 1000DQFAD

Item	Notes	ID	Description	Qty
2	**d**	**AC20870MR1**	**Single Door Access platform 48"L x 48"W Deck. Built to OSHA Standards. Welded Steel Construction, Removable Hand Rails, Stairs, Anti-Slip Treads & Decking, Powder Coated Black**	**2**
3	**d**	**AC5860MR10**	**Extra Materials - QST30**	**3**
		AC5860MR10-AA	Oil Filter	
		AC5860MR10-AB	Air Filter	
		AC5860MR10-AC	Fuel Filter	
		AC5860MR10-AD	Indicator Lamps	
		AC5860MR10-AE	Fuses	
4	**e**		**Start & Test**	**1**
			1000 DQFAD:8 Hour O&M Training, Safety Shutdown Test, Strip Chart Recording During Load Bank & Building Load Tests, Pre Start & Test, Start & Test, 2 Hour Load Bank Test, .5 Hr Building Load Test, Dim/Aux 101 (Gen Portion)	1

Grand Total: $338,106.00
Total Does Not Include Sales Tax

Cummins Terms & Conditions

NOTES

Please use this as a reference for the "note" column in the quote.

a. Factory Assembled.

b. Assemble at Cummins facility.

c. Shipped loose items. Assemble/Install by Cummins at Job Site.

d. Shipped loose items. Assemble/Install by customer at Job Site.

e. Start and Test performed by Cummins.

f. Start and Test performed by customer.

This quote is based on written specifications: E-2, E-3, 16620

CLARIFICATIONS & COMMENTS

1.01.C.3 - Fuel by others.

1.01.E - The proposed genset is EPA Tier 2 certified. The SDAPCD performs a Health Risk Analysis (HRA) during the permit process and may require additional exhaust aftertreatment. If required, this will be quoted separately.

1.02 - Cummins will provide permitting assistance only by providing the engine data required to complete the permit application.

2.01.C - The warranty period begins 18 months after the factory ship date or at the time of startup and testing, whichever occurs first. Additional warranty can be purchased at additional cost if necessary.

3.02 - Offloading and storage by others.

3.03 - Installation by others.

3.04 - Grounding by others.

INTERNATIONAL BUILDING CODE (IBC) CERTIFICATION

The products in this quotation identified as meeting the requirements of the 2009 IBC have been certified by their respective manufactures via a combination of analytical testing and shaker table testing. Not all products have been shaker table tested.

SELECTIVE COORDINATION FOR NATIONAL ELECTRIC CODE (NEC) ARTICLE 700 AND 701 LOADS

Cummins generators are equipped with the manufacturer's recommended circuit breaker. Information regarding this device can be supplied upon request. This quotation is not valid if any changes to this circuit breaker(s) is required to coordinate with other devices in the electrical distribution system. If changes are required, the customer must provide a copy of the coordination study listing the manufacturers part number of the disconnect device to be supplied with the generator and a revised quotation will be issued

LEAD TIME

Submittals

Typical submittal lead time is 2 weeks after receipt of purchase order.

Equipment

Current lead-time is 18-20 weeks after submittal approval and release for production.

CUMMINS STANDARD EXCLUSIONS

Exhaust System

All off-engine piping, hangers, flanges, gaskets, bolts, insulation, other materials and labor to install.

Fuel System

All fuel piping and materials not limited to; supply, return, venting, valves, coolers, filters, pumps, fittings, primary fuel regulator, storage tank & senders, external to genset package. All fuel for testing and initial fill. Fuel tank vent extensions and flame arrestors unless specifically listed in the Bill of Materials.

Cooling System

Intake louvers, exhaust louvers, air dampers, sheet metal ducting, flex adapters, sound attenuators/baffles. All off engine piping, flexible connections, labor and coolant for remote cooling systems.

Electrical

All off-engine wiring, field terminations of wiring, and lugs other than those detailed in our submittal.

Mounting

Mounting bolts and anchors. Vibration isolators (if included) may be shipped loose for installation at the jobsite by others. Seismic engineering calculations.

Electrical Testing

Not limited to InterNational Electrical Testing Association (NETA), infrared scanning, harmonic content or other independent agency testing of switchgear, switchboards, protective relays, circuit breaker, electrical coordination studies, arc flash studies and reactive load site testing.

Environmental Testing

Environmental Protection Agency (EPA), local air quality district or other Authority Having Jurisdiction (AHJ), including acoustical.

Programming

All protective relay settings, breaker settings, PLC programming or other user configurable device programming.

Documentation

Electronic submittals and operation and maintenance manuals will be provided. Printed copies are available upon request, additional charges may apply.

Miscellaneous

Site specific labeling. Exhaust backpressure, airflow restriction or vibration analysis

Design

Cummins is not responsible for system design or engineering and does not guarantee system performance standards. Cummins will supply documentation and reasonable assistance to others responsible for system engineering, design and performance.

Taxes and Permit

Any applicable sales tax, permits, fees, licenses.

Bonds

Any bid bond, payment or performance bond or other type of bond.

All items listed above are excluded and will only be supplied by Cummins if agreed upon, in writing, by a sales representative for Cummins.

CUMMINS STANDARD TERMS AND CONDITIONS FOR SALE OF POWER GENERATION EQUIPMENT

Purchase Orders must be made out to 'Cummins Inc', reference the Cummins quotation number and must be acknowledged in writing by Cummins to be deemed accepted. Purchase Orders must include a requested delivery date.

These Terms and Conditions for Sale of Power Generation Equipment, together with the Quote, Sales Order, and/or Credit Application on the front side or attached hereto, are hereinafter referred to as this 'Agreement' and shall constitute the entire agreement between the customer identified in the quote ('Customer') and Cummins Inc. ('Cummins') and supersede any previous representation, statements, agreements or understanding (oral or written) between the parties with respect to the subject matter of this Agreement. In the event of any inconsistency between this Agreement and any purchase order or document produced or delivered by Customer, the terms and conditions of this Agreement shall take precedence.

SCOPE. Cummins shall supply power generation equipment and any related parts, materials and/or services expressly identified in this Agreement (collectively, 'Equipment'). No additional services, parts or materials are included in this Agreement unless agreed upon by the parties in writing. Any Quote is valid for 60 days. The price is firm provided drawings are approved and returned within 60 days after submission and ship date is not extended beyond published lead times. Any delays may result in escalation charges. A Sales Order for Equipment is accepted on hold for release basis. The Sales Order will not be released and scheduled for production until written approval to proceed is received. A Quote is limited to plans and specifications section set forth in the Quote. No other sections shall apply. Additional requirements for administrative items may require additional costs. The Quote does not include off unit wiring, off unit plumbing, offloading, rigging, installation, exhaust insulation or fuel, unless otherwise stated.

SHIPPING; DELIVERY; DELAYS. Unless otherwise agreed in writing by the parties, Equipment shall be delivered FOB origin, freight prepaid to first destination. For consumer and mobile products, freight will be charged to Customer. Unless otherwise agreed to in writing by the parties, packaging method, shipping documents and manner, route and carrier and delivery shall be as Cummins deems appropriate. Cummins may deliver in installments. A reasonable storage fee, as determined by Cummins, may be assessed if delivery of the Equipment is delayed, deferred, or refused by Customer. Offloading, handling, and placement of Equipment and crane services are the responsibility of Customer and not included unless otherwise stated. All shipments are made within normal business hours, Monday through Friday. Any delivery, shipping, installation, or performance dates indicated in this Agreement are estimated and not guaranteed. Further, delivery time is subject to confirmation at time of order and will be in effect after engineering drawings have been approved for production. Cummins shall use best efforts to meet estimated dates, but shall not be liable to customer or any third party for any delay in delivery, shipping, installation, or performance, however occasioned, including any delays in performance that result directly or indirectly from acts of Customer or any unforeseen event, circumstance, or condition beyond Cummins¿ reasonable control including, but not limited to, acts of God, actions by any government authority, civil strife, fires, floods, windstorms, explosions, riots, natural disasters, embargos, wars, strikes or other labor disturbances, civil commotion, terrorism, sabotage, late delivery by Cummins' suppliers, fuel or other energy shortages, or an inability to obtain necessary labor, materials, supplies, equipment or manufacturing facilities.

PAYMENT TERMS; CREDIT; RETAINAGE. Unless otherwise agreed to by the parties in writing and subject to credit approval by Cummins, payments are due thirty (30) days from the date of the invoice. If Customer does not have approved credit with Cummins, as solely determined by Cummins, payments are due in advance or at the time of supply of the Equipment. If payment is not received when due, in addition to any rights Cummins may have at law, Cummins may charge Customer eighteen percent (18%) interest annually on late payments, or the maximum amount allowed by law. Customer agrees to pay Cummins costs and expenses (including reasonable attorneys¿ fees) related to Cummins enforcement and collection of unpaid invoices, or any other enforcement of this Agreement by Cummins. Retainage is not acceptable nor binding, unless required by statute or accepted and confirmed in writing by Cummins prior to shipment.

TAXES; EXEMPTIONS. Unless otherwise stated, the Quote excludes all applicable local, state and federal sales and/or use taxes, permits and licensing. Customer must provide a valid resale or exemption certificate prior to shipment of Equipment or applicable taxes will be added to the invoice.

TITLE; RISK OF LOSS. Unless otherwise agreed in writing by the parties, title and risk of loss for the Equipment shall pass to Customer upon delivery of the Equipment by Cummins to freight carrier or to Customer at pickup at Cummins facility.

INSPECTION AND ACCEPTANCE. Customer shall inspect the Equipment upon delivery, before offloading, for damage, defects, and shortage. Any and all claims which could have been discovered by such inspection shall be deemed absolutely and unconditionally waived unless noted by Customer on the bill of lading. Where Equipment is alleged to be non-conforming or defective, written notice of defect must be given to Cummins within three (3) days from date of delivery after which time Equipment shall be deemed accepted. Cummins shall have a commercially reasonable period of time in which to correct such non-conformity or defect. If non-conformity or defect is not eliminated to Customer's satisfaction, Customer may reject the Equipment (but shall protect the Equipment until returned to Cummins) or allow Cummins another opportunity to undertake corrective action. In the event startup of the Equipment is included in the services, acceptance shall be deemed to have occurred upon successful startup.

LIEN; SECURITY AGREEMENT. Customer agrees that Cummins retains all statutory lien rights. To secure payment, Customer grants Cummins a Purchase Money Security Interest in the Equipment. If any portion of the balance is due to be paid following

delivery, Customer agrees to execute and deliver such security agreement, financing statements, deed of trust and such other documents as Cummins may request from time to time in order to permit Cummins to obtain and maintain a perfected security interest in the Equipment; or in the alternative, Customer grants Cummins a power of attorney to execute and file all financing statements and other documents needed to perfect this security interest. Cummins may record this Agreement, bearing Customer's signature, or copy of this Agreement in lieu of a UCC-1, provided that it shall not constitute an admission by Cummins of the applicability or non-applicability of the UCC nor shall the failure to file this form or a UCC-1 in any way affect, alter, or invalidate any term, provision, obligation or liability under this Agreement. The security interest shall be superseded if Customer and Cummins enter into a separate security agreement for the Equipment. Prior to full payment of the balance due, Equipment will be kept at Customer's location noted in this Agreement, will not be moved without prior notice to Cummins, and is subject to inspection by Cummins at all reasonable times.

CANCELLATION; CHARGES. Orders placed with and accepted by Cummins may not be cancelled except with Cummins prior written consent. If Customer seeks to cancel all or a portion of an order placed pursuant to this Agreement, and Cummins accepts such cancellation in whole or in part, Cummins may charge Customer a cancellation charge in accordance with current Cummins policy which is available upon request, in addition to the actual, non- recoverable costs incurred by Cummins**.**

MANUALS. Unless otherwise stated, electronic submittals and electronic operation and maintenance manuals will be provided, and print copies may be available upon Customer¿s request at an additional cost.

TRAINING; START UP SERVICES; INSTALLATION. Startup services, load bank testing, and owner training are not provided unless otherwise stated. Site startup will be subject to the account being current and will be performed during regular Cummins business hours, Monday to Friday. Additional charges may be added for work requested to be done outside standard business hours, on weekends, or holidays. One visit is allowed unless specified otherwise in the Quote. A minimum of two-week prior notice is required to schedule site startups and will be subject to prior commitments and equipment and travel availability. A signed site check sheet confirming readiness will be required, and Cummins personnel may perform an installation audit prior to the startup being completed. Any issues identified by the installation audit shall be corrected at the Customer's expense prior to the start-up. Portable load banks for site test (if offered in the Quote) are equipped with only 100 feet of cable. Additional lengths may be arranged at an extra cost. Cummins is not responsible for any labor or materials charged by others associated with start-up and installation of Equipment, unless previously agreed upon in writing. Supply of fuel for start-up and/or testing, fill-up of tank after start up, or change of oil is not included unless specified in the Quote. All installation/execution work at the site including, but not limited to: civil, mechanical, electrical, supply of wall thimbles, exhaust extension pipe, elbows, hangers, expansion joints, insulation and cladding materials, fuel/oil/cooling system piping, air ducts, and louvers/dampers is not included unless specified in the Quote. When an enclosure or sub-base fuel tank (or both) are supplied, the openings provided for power cable and fuel piping entries, commonly referred to as ¿stub-ups¿, must be sealed at the site by others before commissioning. All applications, inspections and/or approvals by authorities are to be arranged by Customer.

MANUFACTURER'S WARRANTY. Equipment purchased hereunder is accompanied by an express written manufacturer's warranty ('Warranty') and, except as expressly provided in this Agreement, is the only warranty offered on the Equipment. A copy of the Warranty is available upon request. While this Agreement and the Warranty are intended to be read and applied in conjunction, where this Agreement and the Warranty conflict, the terms of the Warranty shall prevail.

WARRANTY PROCEDURE. Prior to the expiration of the Warranty, Customer must give notice of a warrantable failure to Cummins and deliver the defective Equipment to a Cummins location or other location authorized and designated by Cummins to make the repairs during regular business hours. Cummins shall not be liable for towing charges, maintenance items such as oil filters, belts, hoses, etc., communication expenses, meals, lodging, and incidental expenses incurred by Customer or employees of Customer, "downtime" expenses, overtime expenses, cargo damages and any business costs and losses of revenue resulting from a warrantable failure.

LIMITATIONS ON WARRANTIES

THE REMEDIES PROVIDED IN THE WARRANTY AND THIS AGREEMENT ARE THE SOLE AND EXCLUSIVE WARRANTIES AND REMEDIES PROVIDED BY CUMMINS TO THE CUSTOMER UNDER THIS AGREEMENT. EXCEPT AS SET OUT IN THE WARRANTY AND THIS AGREEMENT, AND TO THE EXTENT PERMITTED BY LAW, CUMMINS EXPRESSLY DISCLAIMS ALL OTHER REPRESENTATIONS, WARRANTIES, ENDORSEMENTS, AND CONDITIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY STATUTORY OR COMMON LAW IMPLIED REPRESENTATIONS, WARRANTIES AND CONDITIONS OF FITNESS FOR A PURPOSE OR MERCHANTABILITY.

The limited warranty does not cover Equipment failures resulting from: (a) inappropriate use relative to designated power rating; (b) inappropriate use relative to application guidelines; (c) inappropriate use of an EPA-SE application generator set relative to EPA¿s standards; (d) normal wear and tear; (e) improper and/or unauthorized installation; (f) negligence, accidents, or misuse; (g) lack of maintenance or unauthorized or improper repair; (h) noncompliance with any Cummins published guideline or policy; (i) use of improper or contaminated fuels, coolants, or lubricants; (j) improper storage before and after commissioning; (k) owner's delay in making Equipment available after notification of potential Equipment problem; (l) replacement parts and accessories not authorized by Cummins; (m) use of battle short mode; (n) owner or operator abuse or neglect such as: operation without adequate coolant, fuel, or lubricants; over fueling; over speeding; lack of maintenance to lubricating, fueling, cooling, or air intake systems; late servicing and maintenance; improper storage, starting, warm-up, running, or shutdown practices, or for progressive damage resulting from a defective shutdown or warning device; or (o) damage t o parts, fixtures, housings, attachments and accessory items that are not part of the generating set.

INDEMNITY. Customer shall indemnify, defend and hold harmless Cummins from and against any and all claims, actions, costs, expenses, damages and liabilities, including reasonable attorneys' fees, brought against or incurred by Cummins related to or arising out of this Agreement or the Equipment supplied under this Agreement (collectively, the 'Claims'), where such Claims were caused or contributed to by, in whole or in part, the acts, omissions, fault or negligence of the Customer. Customer shall present any Claims covered by this indemnity to its insurance carrier unless Cummins directs that the defense will be handled by Cummins' legal counsel at Customer's expense.

LIMITATION OF LIABILITY

NOTWITHSTANDING ANY OTHER TERM OF THIS AGREEMENT, IN NO EVENT SHALL CUMMINS, ITS OFFICERS, DIRECTORS, EMPLOYEES, OR AGENTS BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY KIND (INCLUDING WITHOUT LIMITATION DOWNTIME, LOSS OF PROFIT OR REVENUE, LOSS OF DATA, LOSS OF OPPORTUNITY, DAMAGE TO GOODWILL, ENHANCED DAMAGES, MONETARY REQUESTS RELATING TO RECALL EXPENSES AND REPAIRS TO PROPERTY, AND/OR DAMAGES CAUSED BY DELAY) IN ANY WAY RELATED TO OR ARISING FROM CUMMINS SUPPLY OF EQUIPMENT UNDER THIS AGREEMENT OR THE USE OR PERFORMANCE OF EQUIPMENT SUPPLIED UNDER THIS AGREEMENT. IN NO EVENT SHALL CUMMINS LIABILITY TO CUSTOMER OR ANY THIRD PARTY CLAIMING DIRECTLY THROUGH CUSTOMER OR ON CUSTOMER'S BEHALF UNDER THIS AGREEMENT EXCEED THE TOTAL COST OF EQUIPMENT SUPPLIED BY CUMMINS UNDER THIS AGREEMENT GIVING RISE TO THE CLAIM. BY ACCEPTANCE OF THIS AGREEMENT, CUSTOMER ACKNOWLEDGES CUSTOMER'S SOLE REMEDY AGAINST CUMMINS FOR ANY LOSS SHALL BE THE REMEDY PROVIDED HEREIN EVEN IF THE EXCLUSIVE REMEDY UNDER THE WARRANTY IS DEEMED TO HAVE FAILED OF ITS ESSENTIAL PURPOSE.

DEFAULT; REMEDIES. Customer shall be in breach and default if: (a) any of the payments or amounts due under this Agreement are not paid; (b) Customer fails to comply, perform, or makes any misrepresentation relating to any of the Customer's obligations or covenants under this Agreement; or (c) prior to full payment of the balance due, Customer ceases to do business, becomes insolvent, makes an assignment for the benefit of its creditors, appoints a receiver, commences an action for dissolution or liquidation, or becomes subject to bankruptcy proceedings, or the Equipment is attached, levied upon, seized under legal process, is subjected to a lien or encumbrance, or transferred by operation of law or otherwise to anyone other than Cummins.

Upon the occurrence of any event of Customer's default, Cummins, at its sole option and without notice, shall have the right to exercise concurrently or separately any one or all of the following remedies, which shall be cumulative and not alternative: (a) to declare all sums due, and to become due, under this Agreement immediately due and payable; (b) to commence legal proceedings, including collection actions and specific performance proceedings, to enforce performance by Customer of any and all provisions of this Agreement, and to be awarded damages or injunctive relief for the Customer's breach; (c) to require the Customer to deliver the Equipment to Cummins' branch specified on the face of this Agreement; (d) to exercise one or more of the rights and remedies available to a secured party under applicable law; and (e) to enter, without notice or liability or legal process, onto any premises where the Equipment may be located, using force permitted by law, and there to disconnect, remove and repossess the Equipment, the Customer having waived further right to possession after default. A waiver of any event of default by Cummins shall not be a waiver as to any other or subsequent default.

CUSTOMER REPRESENTATIONS; RELIANCE. Customer is responsible for obtaining, at its cost, permits, import licenses, and other consents in relation to the Equipment, and if requested by Cummins, Customer shall make these permits, licenses, and consents available to Cummins prior to shipment. Customer represents that it is familiar with the Equipment and understands operating instructions and agrees to perform routine maintenance services. Until the balance is paid in full, Customer shall care for the Equipment properly, maintain it in good operating condition, repair and appearance; and Customer shall use it safely and within its rated capacity and only for purpose it was designed. Even if Customer's purchase of Equipment from Cummins under this Agreement is based, in whole or in part, on specifications, technical information, drawings, or written or verbal advice of any type from third parties, Customer has sole responsibility for the accuracy, correctness and completeness of such specifications, technical information, drawings, or advice. Cummins make no warranties or representations respecting the accuracy, correctness and completeness of any specifications, technical information, drawings, advice or other information provided by Cummins. Cummins makes no warranties or representations respecting the suitability, fitness for intended use, compatibility, integration or installation of any Equipment supplied under this Agreement. Customer has sole responsibility for intended use, for installation and design and performance where it is part of a power, propulsion, or other system. Limitation of warranties and remedies and all disclaimers apply to all such technical information, drawings, or advice. Customer acknowledges and agrees by accepting delivery of the Equipment that the Equipment purchased is of the size, design, capacity and manufacture selected by the Customer, and that Customer has relied solely on its own judgment in selecting the Equipment.

CONFIDENTIALITY. Each party shall keep confidential any information received from the other that is not generally known to the public and at the time of disclosure, would reasonably be understood by the receiving party to be proprietary or confidential, whether disclosed in oral, written, visual, electronic, or other form, and which the receiving party (or agents) learns in connection with this Agreement including, but not limited to: (a) business plans, strategies, sales, projects and analyses; (b) financial information, pricing, and fee structures; (c) business processes, methods, and models; (d) employee and supplier information; (e) specifications; and (f) the terms and conditions of this Agreement. Each party shall take necessary steps to ensure compliance with this provision by its employees and agents.

GOVERNING LAW AND JURISDICTION. This Agreement and all matters arising hereunder shall be governed by and construed in accordance with the laws of the State of Indiana without giving effect to any choice or conflict of law provision. The parties agree that the courts of the State of Indiana shall have exclusive jurisdiction to settle any dispute or claim arising in connection with this Agreement.

INSURANCE. Upon Customer's request, Cummins will provide to Customer a Certificate of Insurance evidencing Cummins relevant insurance coverage.

ASSIGNMENT. This Agreement shall be binding on the parties and their successors and assigns. Customer shall not assign this Agreement without the prior written consent of Cummins.

INTELLECTUAL PROPERTY. Any intellectual property rights created by either party, whether independently or jointly, in the course of the performance of this Agreement or otherwise related to Cummins pre-existing intellectual property or subject matter related thereto, shall be Cummins¿ property. Customer agrees to assign, and does hereby assign, all right, title, and interest to such intellectual property to Cummins. Any Cummins pre-existing intellectual property shall remain Cummins property. Nothing in this Agreement shall be deemed to have given Customer a licence or any other rights to use any of the intellectual property rights of Cummins.

MISCELLANEOUS. Cummins is a supplier of material and related services, not a contractor, and will not be responsible for providing installation services or other services for which a contractor's license is required. Installation services shall be the responsibility of others.

All notices under this Agreement shall be in writing and be delivered personally, mailed via first class certified or registered mail, or sent by a nationally recognized express courier service to the addresses set forth in this Agreement.

No amendment of this Agreement shall be valid unless it is writing and signed by the parties hereto. Failure of either party to require performance by the other party of any provision hereof shall in no way affect the right to require such performance at any time thereafter, nor shall the waiver by a party of a breach of any of the provisions hereof constitute a waiver of any succeeding breach.

Any provision of this Agreement that is invalid or unenforceable shall not affect the validity or enforceability of the remaining terms hereof.

These terms are exclusive and constitute entire agreement. Customer acknowledges that the provisions were freely negotiated and bargained for and Customer has agreed to purchase of the Equipment pursuant to these terms and conditions. Acceptance of this Agreement is expressly conditioned on Customer's assent to all such terms and conditions. Neither party has relied on any

statement, representation, agreement, understanding, or promise made by the other except as expressly set out in this Agreement. In the event of a conflict in the terms of this Agreement with any Customer terms or conditions or agreement (whether referenced in an order submitted by Customer as the terms that govern the purchase of the Equipment or otherwise) or any terms set forth in any other documentation of Customer with respect to the Equipment, the terms of this Agreement shall govern.

Cummins may incur additional charges which will be passed on to the Customer, as applicable.

COMPLIANCE. Customer shall comply with all laws applicable to its activities under this Agreement, including, without limitation, any and all applicable federal, state, and local anti-bribery, environmental, health, and safety laws and regulations then in effect. Customer acknowledges that the Equipment, and any related technology that are sold or otherwise provided hereunder may be subject to export and other trade controls restricting the sale, export, re-export and/or transfer, directly or indirectly, of such Equipment or technology to certain countries or parties, including, but not limited to, licensing requirements under applicable laws and regulations of the United States, the United Kingdom and other jurisdictions. It is the intention of Cummins to comply with these laws, rules, and regulations. Any other provision of this Agreement to the contrary notwithstanding, Customer shall comply with all such applicable all laws relating to the cross-border movement of goods or technology, and all related orders in effect from time to time, and equivalent measures. Customer shall act as the importer of record with respect to the Equipment and shall not resell, export, re-export, distribute, transfer, or dispose of the Equipment or related technology, directly or indirectly, without first obtaining all necessary written permits, consents, and authorizations and completing such formalities as may be required under such laws, rules, and regulations. In addition, Cummins has in place policies not to distribute its products for use in certain countries based on applicable laws and regulations including but not limited to UN, U.S., UK, and European Union regulations. Customer undertakes to perform its obligations under this Agreement with due regard to these policies. Strict compliance with this provision and all laws of the territory pertaining to the importation, distribution, sales, promotion and marketing of the Equipment is a material consideration for Cummins entering into this Agreement with Customer and continuing this Agreement for its term. Customer represents and warrants that it has not and shall not, directly or through any intermediary, pay, give, promise to give or offer to give anything of value to a government official or representative, a political party official, a candidate for political office, an officer or employee of a public international organization or any other person, individual or entity at the suggestion, request or direction or for the benefit of any of the above-described persons and entities for the purposes of inducing such person to use his influence to assist Cummins in obtaining or retaining business or to benefit Cummins or any other person in any way, and will not otherwise breach any applicable laws relating to anti-bribery. Any failure by Customer to comply with these provisions will constitute a default giving Cummins the right to immediate termination of this Agreement and/or the right to elect not to recognize the warranties associated with the Equipment. Customer shall accept full responsibility for any and all civil or criminal liabilities and costs arising from any breaches of those laws and regulations and will defend, indemnify, and hold Cummins harmless from and against any and all fines, penalties, claim, damages, liabilities, judgments, costs, fees, and expenses incurred by Cummins or its affiliates as a result of Customer¿s breach.

Rev 01 Jan 2019

Thank you for this opportunity to Quote Cummins Power Generation Products. Please call if we may answer any questions or be of further service.

Submitted by
Cummins Inc..

Mike Reed
Territory Manager

Email: mike.reed@cummins.com

Accepted by: _____

Print Name: _____

Firm Name: _____

Customer P.O.: _____ **Date:** _____

Delivery Date Requested

by Purchaser _____

Note: If no delivery date is provided, Cummins Inc. will hold placing material orders until such date is provided. It is the responsibility of Purchaser to supply a request date that is within factory lead times.

IV.
CLOSED SESSION

V.
INFORMATION / REPORTS

GENERAL MANAGER'S

Our Region's Trusted Water Leader
San Diego County Water Authority

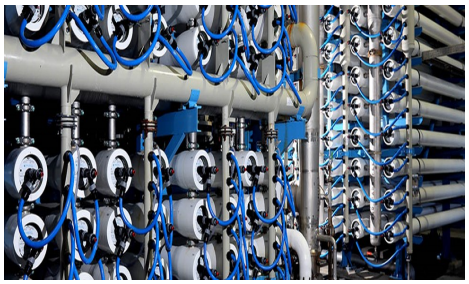
OCTOBER 2019

News & Notes

Top News

Carlsbad Desalination Plant Reaches Record Production

During the month of August, the Claude "Bud" Lewis Carlsbad Desalination Plant reached a new project record for water production in a single month. The plant was able to produce over 4,700 acre-feet of water, the most since the plant started commercial operations in December 2015. The plant's owner and operator, Poseidon and Israel Desalination Enterprises (IDE), have taken several steps to operate the plant more efficiently over the past couple of years including improvements in scheduling the reverse osmosis membrane cleaning, more efficient planning of membrane replacements, and increased monitoring of source water coming into the plant.



Carlsbad Desalination Plant Reverse Osmosis Membranes

To date, the plant has produced more than 160,000 acre-feet (52 billion gallons) of drought proof, high-quality desalinated water. This local water supply supports Governor Newsom's Executive Order N-10-19 that directs state agencies to develop a comprehensive strategy to build a climate-resilient water system, and provides increased reliability to our region's water supply.

SDCWA Recognized with 2019 WaterSense Excellence Award

The U.S. Environmental Protection Agency has recognized the San Diego County Water Authority for the second time with a 2019 WaterSense Excellence Award for continuing water efficiency through its Qualified Water Efficient Landscaper (QWEL) program.

The Water Authority was presented with the award at the WaterSmart Innovations Conference in Las Vegas, on October 3, 2019. The QWEL Program, created by the Sonoma-Marin Saving Water Partnership and adopted in several states, is certified by EPA to significantly increase water management skills and knowledge among landscape professionals. Since the local launch of QWEL in January 2016, more than 1,000 San Diego landscape professionals have participated, making the region's program one of the largest in the nation.

For more information about WaterSense, go to https://www.epa.gov/watersense

MWD's Stormwater for Direct Use Pilot Program

At its September 2019 meeting, the Metropolitan Water District (MWD) Board authorized $5 million for its first ever Stormwater for Direct Use Pilot Program for developing and monitoring stormwater capture for direct-use projects. The goal of the pilot is to assess the water supply benefit and costs of capturing stormwater for direct use to inform potential future subsidy approaches. MWD will provide up to $500,000 for new projects and $160,000 to existing projects throughout its service area to collect data on project performance. Depending on the results of the pilot program, MWD may consider developing a new program to fund stormwater capturing. MWD will begin accepting applications on January 1, 2020, and projects will be selected on a first-come, first-served basis.

Community Outreach

Upcoming MWD Inspection Tours

Directors Michael Hogan and Tim Smith will host a Metropolitan Water District (MWD) tour of the State Water Project (SWP) and Sacramento-San Joaquin Bay-Delta (Bay-Delta) on October 18-19. Guests will visit the largest state-built water and power system in the nation and learn about the complex matters that influence the system's operations and issues that affect the Bay-Delta. The next MWD tour is of the Colorado River Aqueduct System on November 8-9, hosted by Director Butkiewicz, and will focus on the 242-mile-long system of pumping plants and canals that brings Colorado River water into Southern California. If you or someone you know is interested in participating in the tours, email MWDProgramTours@sdcwa.org to receive updates. Below is the remaining schedule for the 2019-2020 tour season:

Tour Date	Hosting Director(s)	Location
October 18-19, 2019	Michael Hogan and Tim Smith	State Water Project/ Bay-Delta
November 8-9, 2019	Jerry Butkiewicz	Colorado River Aqueduct System
December 13-14, 2019	Gail Goldberg	Colorado River Aqueduct System
January 31- February 1, 2020	Michael Hogan	Hoover Dam and Colorado River Aqueduct System
May 15-16, 2020	Tim Smith	Hoover Dam and Colorado River Aqueduct System

September 2019 MWD SWP/Bay-Delta tour participants at the Feather River Fish Hatchery.

MWD's Demand Management Cost Allocation Study

In April 2018, the Metropolitan Water District (MWD) Board suspended the collection of the Water Stewardship Rate (WSR) on the Water Authority's exchange water for calendar years 2018-2020. MWD staff is using the time to examine the allocation of its demand management costs to its rates and charges. MWD's WSR is a per acre-foot charge applied to all water conveyed through MWD's system. Until it was suspended in 2018, MWD assessed WSR on the Water Authority's exchange water. The WSR is intended to collect revenues to fund MWD's demand management programs, including the Local Resources Program, Conservation Credits Program, and Future Supply Actions Funding Program. In 2017, the Appellate Court affirmed the ruling that MWD could not charge WSR on the Water Authority's exchange water because MWD's administrative record showed they were supply costs. The Water Authority believes there are several problems with MWD's current review process, including failing to follow the Appellate Court's application of Proposition 26 to MWD's rates, and its instruction that demand management cost recovery should not be based on avoided costs. To learn more about MWD's demand management cost allocation evaluation process, see the *Metropolitan Water District Demand Management Cost Allocation Discussion* memo starting on page 58 in the Water Authority's September 2019 Board packet found here: https://sdcwa.org/meetings-and-documents.

Local Resources Program Approval for the Fallbrook Groundwater Desalter Project

At its September 2019 meeting, the Metropolitan Water District (MWD) Board authorized a Local Resources Program (LRP) agreement with the Water Authority and Fallbrook Public Utility District (FPUD) for the Fallbrook Groundwater Desalter Project. This is the first approved LRP agreement since the Water Authority successfully challenged MWD on its imposition of "rate structure integrity" clause. The MWD Board approved the last LRP agreement between MWD and the Water Authority in 2009. The project is a component of the Santa Margarita River Conjunctive Use Project, a partnership of FPUD and Marine Corps Base Camp Pendleton and will include construction of a groundwater treatment plant, new pipelines, pump stations, and storage tanks. It is expected that the project will provide approximately 3,100 acre-feet of water annually to FPUD's service area starting in 2021.

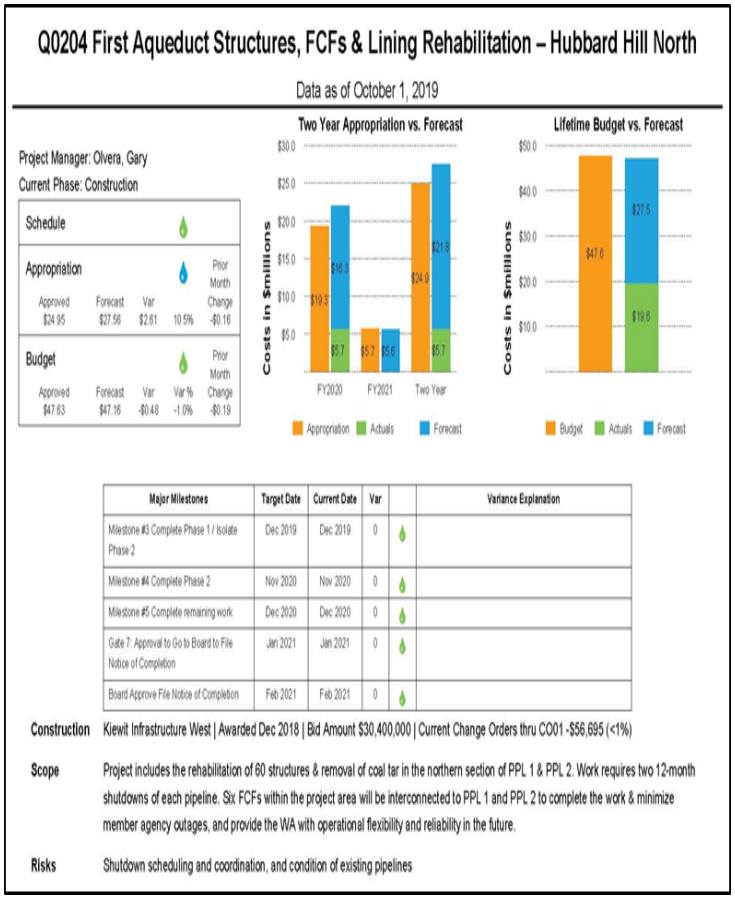
Department News

Improving Our CIP Project Controls System

Water Authority staff within the Engineering and Administrative Services Departments recently completed enhancements to our Capital Improvement Program's Project Controls System. The project included developing an integrated reporting tool that provides real-time project management data to help ensure high levels of program and project success.

This CIP dashboard automatically and continuously gathers financial and schedule data from several sources including Primavera, Peoplesoft, Access, and Excel, eliminating the previous manual process that was done only once a month. The CIP Dashboard provides project stakeholders with a flexible solution to access project information quickly via a web enabled browser. This automated tool also immediately alerts Project Managers and others of deviations from pre-approved metric thresholds so they can be addressed to ensure individual project success and provide enhanced oversight of the entire CIP.

Water Authority Engineering staff provided a sneak peek of the CIP Dashboard to our member agencies via the newly formed Local Member Agency Engineering Forum in July 2019. We also offered to assist our member agencies and share lessons learned if they desired to implement a similar system within their own Capital Improvement Programs.



Q0204 First Aqueduct Structures, FCFs & Lining Rehabilitation – Hubbard Hill North

Data as of October 1, 2019

Project Manager: Olvera, Gary
Current Phase: Construction

Schedule					
Appropriation	Approved	Forecast	Var		Prior Month Change
	$24.95	$27.56	$2.61	10.5%	-$0.16
Budget	Approved	Forecast	Var	Var %	Prior Month Change
	$47.63	$47.16	-$0.48	-1.0%	-$0.19

Major Milestones	Target Date	Current Date	Var		Variance Explanation
Milestone #3 Complete Phase 1 / Isolate Phase 2	Dec 2019	Dec 2019	0		
Milestone #4 Complete Phase 2	Nov 2020	Nov 2020	0		
Milestone #5 Complete remaining work	Dec 2020	Dec 2020	0		
Gate 7: Approval to Go to Board to File Notice of Completion	Jan 2021	Jan 2021	0		
Board Approve File Notice of Completion	Feb 2021	Feb 2021	0		

Construction Kiewit Infrastructure West | Awarded Dec 2018 | Bid Amount $30,400,000 | Current Change Orders thru CO01 -$56,695 (<1%)

Scope Project includes the rehabilitation of 60 structures & removal of coal tar in the northern section of PPL 1 & PPL 2. Work requires two 12-month shutdowns of each pipeline. Six FCFs within the project area will be interconnected to PPL 1 and PPL 2 to complete the work & minimize member agency outages, and provide the WA with operational flexibility and reliability in the future.

Risks Shutdown scheduling and coordination, and condition of existing pipelines

Public Affairs Supervisor completes Water Leadership Institute Program

Public Affairs Supervisor Teresa Penunuri recently completed the Water Environment Federation's Water Leadership Institute and participated in graduation ceremonies at the WEFTEC Conference in Chicago in September. The Water Leadership Institute program is aimed at educating, training, and providing opportunities that enable developing and emerging leaders to build strong lasting relationships within the water industry. The intensive program allows participants the opportunity to engage in management training and leadership development through a blended learning approach that examines complex challenges in the water industry. Teresa was one of 50 graduates selected from more than 150 international applicants. The group project focused on workforce development issues and the final project results will be broadcast in several webcasts by the graduates including Teresa's group project, Educating the Public on Science-Based Solutions and Clean Water Careers. More information on the webcasts can be found https://www.wef.org/Workforce-Webcast-Series.

Listening for Leaks

One of the many pipeline assessment strategies available today is the detection of early-stage leaks before they become a more significant problem. A variety of techniques and tools are available, from static pressure monitoring, to the use of sophisticated technologies. The most sensitive and accurate leak detection devices on the market are deployed in the flow of water and are designed to listen for leaks as they traverse along the pipeline, sometimes for several miles at a time. The sudden drop in pressure of the water as it leaks through the pipe wall creates a unique sound profile, not dissimilar to that of a hissing water faucet.

In-house designed and fabricated catch net. The frame can be adjusted to accommodate varying channel widths

Department News

Earlier this year, operations and maintenance staff performed the first phase of a leak detection effort by deploying a free-swimming acoustic leak detection device on a portion of the First Aqueduct. O&M crews supported the contractor by assisting with launching and retrieval, and designed and fabricated purpose-built "catch-net" devices which proved successful. Analysis of the acoustics captured by the device confirmed no detectable leaks over the 14 miles of pipeline assessed.

During negotiations for the second phase of leak detection, the contractor, PICA Corporation, advised that they were confident that Water Authority crews could operate, deploy and retrieve the acoustic leak detection balls without the need for the contractor's personnel on site.

In addition to cost savings of over $30,000 (40%) by doing the field work with in-house crews, the deployment and retrieval schedule has now become more flexible with fewer parties involved.

The second phase is scheduled to take place next month and will listen for potential leaks along a 10-mile stretch of the First Aqueduct.

Acoustic leak detection ball, just 2.25-inches in diameter can be deployed in any sized pipeline 4 inches and above.

Relevance to Member Agencies

Acoustic leak detection devices can be deployed in water pipelines as small as 4 inches with the ability to accommodate pressures in excess of 400 psi. Often, the leak detection devices can be launched and retrieved from existing appurtenances such as fire hydrants and offer pinpoint locational accuracy.

Information Security – Guarding against Cyber Threats

The Water Authority's Information Security group is tasked with guarding our information systems from cyber threats in an increasingly connected world. User vigilance (i.e., being careful what you click on or visit!) will always be one of our most vital defenses from phishing attacks and malicious web sites and ongoing training over the year has protected our information systems through improved staff awareness. To further protect our network, the Information Security team configured and installed additional protections – special "Gateway" filtering software that stops a variety of cyber threat types, such as dangerous emails from getting into users' inboxes, and verifies links and web sites are safe before users open them in an internet browser. The filtering system has been extremely successful – it has detected and stopped 24,528 advanced cyber threats to our information systems in Fiscal Year 2019.

Advanced Cyber Threats Detected and Stopped in Fiscal Year 2019

THREAT TYPE	INCIDENTS
SPYWARE CALLBACK Refers to sites that gather users' information without notification and sell this information to advertisers or criminals.	18,404
PHISHING Refers to attempts to collect user information using fraudulent web sites.	3,312
MALICIOUS CONTENT Refers to web sites that attempt to download dangerous content via a browser.	2,317
CROSS-SITE SCRIPTING Refers to vulnerabilities in web server applications that allow malicious users to inject their own code into a web site.	309
CRYPTO MINING Refers to web sites that are aligned with crypto mining, crypto currency jacking using malicious scripts or programs.	112
BOTNET CALLBACK Refers to systems in which attackers have secretly installed their software on the user's system. This software breach may cause infected computers to send spam, phishing email, or perform other malicious tasks.	35
ADWARE/SPYWARE SITES Refers to web sites known to contain adware or spyware which may collect users' information without their knowledge.	29
SUSPICIOUS CONTENT Refers to web sites that have been rated to pose a potential threat to visitors.	4
WEB SPAM Refers to web pages that pretend to contain useful information to achieve higher ranking in search engine results or drive traffic to phishing, adware, or spyware distribution sites.	4
BROWSER EXPLOIT Refers to the exploitation of web browser vulnerabilities.	1
PEER TO PEER Refers to Internet resources that allow users to share files with each other. This sharing may introduce malware files, inappropriate content, or software piracy concerns.	1
TOTAL CYBER THREATS	**24,528**

HEADWATERS

1911: Laying Water Pipe to Serve San Diego's Growing Population

At the turn of the 20th century, San Diego County began experiencing tremendous urban growth. To meet the growing need of the population, water development began in earnest. It started a transition from relying on well water to impounding river water in the county's mountains, and then moving it into the urbanized areas. The next few decades were dominated by the clash of interests between agricultural interests and development interests, promises for water delivery, and the usual cycles of drought and floods.

YUIMA MUNICIPAL WATER DISTRICT
ADMINISTRATIVE REPORT
October 28, 2019

Amy Reeh
Assistant General Manager

GROUNDWATER MANAGEMENT AGENCY (GSA) WORKGROUP

The GSA workgroup met again on October 21, 2019 to discuss options for compromise and moving forward. President Watkins reviewed the conditions of the MOU and the grants with the Executive Committee and expressed the necessity of Yuima's completely accurate, transparent and timely grant reporting. After significant discussion, the Executive Committee unanimously approved a motion to work together sincerely and in good faith to develop a GSP that respects the Tribes' federally reserved water rights. The Committee also appointed a four-member sub-committee to develop compromise language on task 2.3 of GEI's SOW. The sub-committee members are as follows: Art Bunce, Jeff Helsley, Steve Anderson and Warren Lyall. The sub-committee was directed to develop compromise language within the next week.

ANNEXATIONS/NEW SERVICE REQUESTS

Pauma Valley Water Company (PVWC) Staff has continued discussions with Pauma Valley Water Company was not awarded the grant they sought to fund the annexation into Yuima's District. PVWC continues to seek other methods of funding to accomplish this goal. The District is waiting for Direction from PVWC before continuing work on the annexation.

Shadow Run (Schoepe) Annexation/De-Annexation: The annexation application is currently on hold at the Metropolitan Water District awaiting submission of the EIR from Shadow Run Ranch.

Rancho Corrido Annexation the Rancho Corrido Annexation request is currently at Metropolitan Water District who has put a hold on approval due to their concern that Bar 2's right to take water from Rancho Corrido's Wells 1 & 4 may result in an indirect benefit to Bar 2 of imported water. SWRCB is trying to arrange a conference call between Yuima, CWA, MET and SWRCB to resolve the issue.

LEGISLATIVE: DISCONTINUATION OF RESIDENTIAL WATER SERVICE: URBAN AND COMMUNITY WATER SYSTEMS

In accordance with Senate Bill 998 issued September 28, 2018, applies to all urban and community water systems, public or private, that provide water to more than 200 service connections. For water systems regulated by the Public Utilities Commission, or those supplying

water to more than 3,000 customers annually, the new requirements will go into effect on Feb. 1, 2020. For any other water systems with more than 200 service connections, the new requirements will go into effect April 1, 2020. Yuima falls under the April 2020 deadline. Among other things SB 998 mandates:

- Water systems must adopt written discontinuation policies that are available in English, Spanish, Chinese, Tagalog, Vietnamese, Korean and any other language spoken by 10 percent or more people within the system's service area. The policies must contain certain information and be posted on the water system's website.
- Water systems may not discontinue residential water service due to delinquent payment until payments are delinquent for at least 60 days. After that time, the water system must attempt to provide notice to customers by telephone or in writing, and provide information about appeals, extensions and alternative repayment options.
- Water systems may not discontinue residential water service if all of the following take place: 1.) a primary care provider certifies that the discontinuation of water service will pose a serious or potentially fatal threat to a resident, 2.) the customer demonstrates inability to pay and 3.) the customer is willing to enter into an alternative payment arrangement. A customer can demonstrate an inability to pay based on the receipt of certain public assistance by someone in the household, or a declaration from the customer that the household is below 200 percent of the federal poverty level.
- Water systems must limit certain low-income customers' reconnection fees to no more than $50 during regular business hours, and $150 during non-regular hours.
- Water systems must attempt to provide notice to renters and mobile home residents that their service may be discontinued due to delinquent payments by their landlords, and that the residents have the right to become customers of the water system without paying the past-due amounts on the landlords' accounts.
- Water systems must annually post on their websites the number of times the system has discontinued service due to inability to pay.

District staff is currently working on updating our policies to accommodate the new mandate. As always, the policy change will be brought before the Board for approval.

NORTH COUNTY EMERGENCY STORAGE PROJECT

Valley Center Municipal Water District received 5 SOQ's for this project. VCMWD has distributed copies to Yuima and SDCWA for review by their Engineering departments. Steve Nielson from Dexter-Wilson is reviewing the information on behalf of Yuima and will meet with Nick from VCMWD to narrow down to three firms for selection.

STATE WATER RESOURCES CONTROL BOARD (SWRCB)

Staff met with the District's SWRCB representative to review the list of outstanding items the District still needs to provide the SWRCB in association with the July 2017 Sanitary Survey and Backflow deficiencies. Among these items was a request for the District to conduct hazard surveys on parcel of lands within the District boundaries that have a private well but *do not* have a service connection to the District's infrastructure. Staff explained that doing so is outside of the District's regulatory responsibility.

As part of the deficiency correction, the SWRCB is rewriting both the General District and Improvement District's Operating Permits. These will remain as separate permits. However, staff is being asked to locate and provide records (well reports, water testing results, Source Water Assessments, etc.) that date back as far 1959. Staff continues to work with the SWRCB to accommodate, within reason, the records being requested. I

In September and October, 2019 the SWRCB conducted another Sanitary Survey on the District's operating system. This inspection resulted in a few additional repairs that have been addressed. Staff is collecting pictures of the repairs to submit as proof of completion. The follow are the items the District is completing for the SWRCB.

- Revision of the District's System Operating Manual.
- Compilation of list of all private well within the District's service area. Including which of these parcels have a connection to the District's infrastructure and completion of a hazard survey on of those parcels.
- Summary of District Water Rights.
- List of types of chlorine products used and the manufacturer name.
- List of all AC pipe in the District's infrastructure

CELL LEASE RENEWALS

The AT&T cell site lease has been renewed. The new month lease revenue is $3000 per month. The Verizon lease is due to automatically renew in 2024; however, review of the file indicates that Verizon was attempting to renegotiate the lease back in 2017 but never received any follow up from the District. Staff will revisit this renegotiation in the coming months

RANCHO ESTATES SERVICE REPAIR PROVISIONS

District Staff met with General Manager Graziano on October 24, 2019 and arrived at terms for a contract. Staff will develop a contract for Board approval at the November meeting.

BARRETT RESEVOIR

Tony Cinquini has approached the District again about purchasing the property that used to house Barrett Reservoir. Assistant Manager Reeh will meet with the Operations Department and discuss whether the District needs any infrastructure on this property in the future. Staff will research options for use of the property and present the Board with those options.

OPERATIONS DEPARTMENT

Currently the Operations department is working on several Capital Improvement Projects. In addition to the Forebay Pump Station project, work has begun on Phase 2 of the SCADA upgrades, Staff has met with and assisted with the start up of the Rincon Ranch Road Pipeline project and the replacement of Pump Station 7, Pump 1 is well underway. Finally, the contractor has begun work in the shop bathroom to bring the conditions of the space up to required Health and Safety Standards as required by JPIA.

Yuima Municipal Water District - Production/Consumption Report

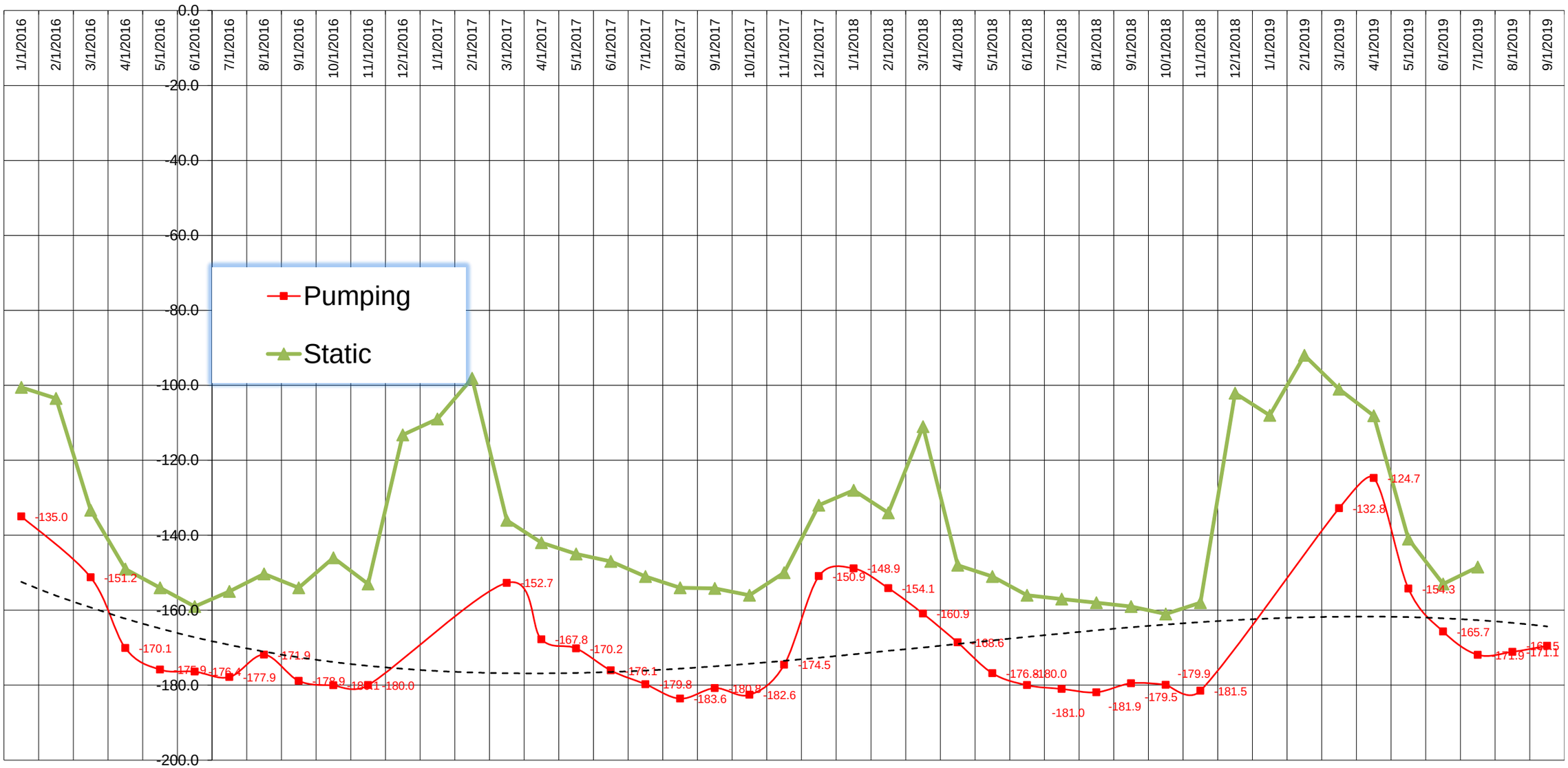
YUIMA GENERAL DISTRICT			FISCAL YTD		CALENDAR YTD	
Produced and Purchased Water	Sep-19	Aug-19	2019-20	2018-19	2019	2018
20-2009 IDA	0.0	0.0	0.0	0.0	0.0	0.0
10-1009 & 10-1011 SDCWA	767.6	744.9	2279.5	4756.2	3351.2	6140.5
10-1001 SCHOEPE	5.9	6.1	20.6	63.4	54.4	88.2
Total Produced and Purchased	**773.5**	**750.9**	**2300.1**	**4819.6**	**3405.5**	**6228.7**
Consumption						
Back of Book 01 CUSTOMERS GENERAL DISTRICT	347.1	326.9	1038.2	2630.4	1693.0	3377.3
10-2100 TAP 1	183.1	163.9	546.1	1006.0	757.9	1404.7
590 minus 20-2008 TAP 2	146.7	160.0	417.9	665.0	508.4	686.2
10-1200 TAP 3	100.0	94.2	303.2	593.3	479.0	761.3
Total Consumption - Yuima	**776.9**	**745.0**	**2305.4**	**4894.7**	**3438.3**	**6229.5**
Storage Level Changes	-10.9	6.7	-0.8	-1.8	-2.3	-3.9
Slippage - Acre Feet	**-14.3**	**12.6**	-6.1	-76.9	-35.0	-4.6
Slippage %	**-1.8**	**1.7**	**-0.3**	**-1.6**	**-1.0**	**-0.1**
IMPROVEMENT DISTRICT "A"						
Produced Strub Zone Wells						
20-2012 RIVER WELL 12	17.1	15.9	52.8	137.0	118.1	158.4
20-2091 RIVER WELL 19A	49.6	45.7	150.9	361.6	309.9	398.1
20-2020 RIVER WELL 20A	20.8	27.9	82.6	257.7	190.9	310.2
20-2025 RIVER WELL 25	23.0	26.8	72.9	152.2	138.7	187.9
20-2022 FAN WELL 22	20.8	18.9	75.1	135.5	114.5	195.7
Total Produced Strub Zone Wells	**131.2**	**135.2**	**434.3**	**1044.0**	**872.1**	**1250.3**
Produced Fan Wells						
20-2007 WELL 7A	7.5	6.7	19.0	21.8	20.8	32.3
20-2000 WELL 10	1.9	1.6	4.8	6.1	5.2	9.1
20-2014 WELL 14	19.9	22.2	79.4	106.4	113.0	181.5
20-2017 WELL 17	6.5	7.2	22.5	39.7	32.1	78.4
20-2018 WELL 18	10.6	9.4	30.3	57.3	43.0	90.8
20-2023 WELL 23	5.4	5.6	17.5	28.1	24.1	29.3
20-2024 WELL 24	9.9	11.5	35.1	69.6	52.9	91.9
20-2029 WELL 29	14.6	15.7	48.9	57.9	70.2	91.9
20-20410-500 HORIZONTAL WELLS	17.5	18.2	60.7	129.6	130.0	143.4
Code K Usage WELL USE AGREEMENTS ("K")	24.4	18.0	65.0	127.8	111.2	160.7
Total Produced Fan Wells	**118.1**	**116.1**	**383.1**	**644.6**	**602.5**	**909.1**
Total Produced Strub and Fan Wells	**249.3**	**251.3**	**817.4**	**1688.5**	**1474.7**	**2159.4**
Purchased Water						
10-2100 TAP 1	183.1	163.9	546.1	1006.0	757.9	1404.7
590 minus 20-2008 TAP 2	146.7	160.0	417.9	665.0	508.4	686.2
10-1200 TAP 3	100.0	94.2	303.2	593.3	479.0	761.3
Total Purchased Water	**429.8**	**418.1**	**1267.2**	**2264.4**	**1745.3**	**2852.2**
Total Produced and Purchased	**679.1**	**669.4**	**2084.7**	**3952.9**	**3220.0**	**5011.6**
Consumption						
Back of Book 02 CUSTOMERS IDA	652.8	639.0	1988.3	3720.7	2986.4	4832.3
Interdepartmental to Y	0.0	0.0	0.0	0.0	0.0	0.0
Total Consumption - IDA	**652.8**	**639.0**	**1988.3**	**3720.7**	**2986.4**	**4832.3**
Storage Level Changes	-4.3	-0.3	0.5	-2.0	-3.0	0.2
Slippage - Acre Feet	**22.0**	**30.0**	**96.9**	**230.1**	**230.7**	**179.5**
Slippage %	**3.2**	**4.5**	**4.6**	**5.8**	**7.2**	**3.6**
Combined General District and IDA						
10-1009 & 10-1011 SDCWA	767.6	744.9	2279.5	4756.2	3351.2	6140.5
10-1001 SCHOEPE	5.9	6.1	20.6	63.4	54.4	88.2
PRODUCED YUIMA	0.0	0.0	0.0	0.0	0.0	0.0
PRODUCED IDA	249.3	251.3	817.4	1688.5	1474.7	2159.4
Total Produced and Purchased	**1022.8**	**1002.2**	**3117.5**	**6508.1**	**4880.3**	**8388.1**
Consumption	**999.9**	**966.0**	**3026.5**	**6351.1**	**4679.4**	**8209.6**
Storage Level Changes	-15.2	6.4	-0.3	-3.8	-5.3	-3.7
Slippage - Acre Feet	7.7	42.6	90.8	153.2	195.7	174.9
Slippage %	0.8	4.3	2.9	2.4	4.0	2.1

Footnotes-

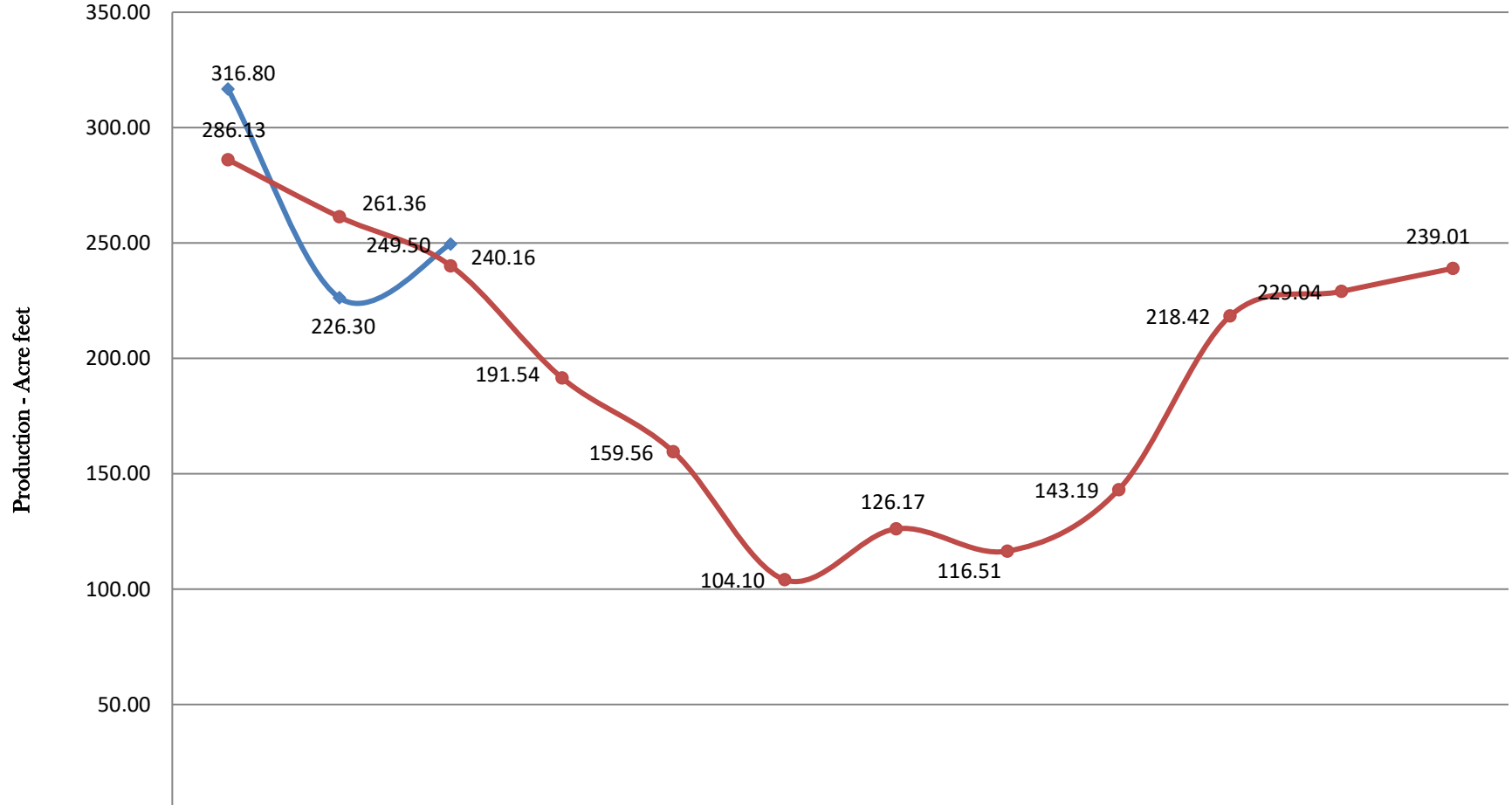
Yuima:

IDA: Horizontal Wells went to reservoir

Yuima Municipal Water District
River Well Static (21A) and Pumping Levels
For Yuima Wells No. 12, 19A, 20A and 25
(Increasing Inverse = improving water levels)
Pumping and Static Levels (feet below ground level)
(Updated September, 2019) 2016-Current



Yuima Municipal Water District
Monthly Production from District-Owned Wells
in Acre-feet Updated September, 2019



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
FY 2019/20	316.80	226.30	249.50									
15-Yr Avg.	286.13	261.36	240.16	191.54	159.56	104.10	126.17	116.51	143.19	218.42	229.04	239.01

YUIMA MUNICIPAL WATER DISTRICT

Well Level Report

(* static level with surrounding wells off 24 hrs)	July 2019			August 2019			September 2019			October 2019			November 2019			December 2019		
	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	*Static Level	Pumping Level	GPM
Monitor Well No. 21A Elev 800' Depth 251'	148.5			152			146											
Well No. 12 (River) Elev 800' Depth 207'		168.5	141		170.5	150		167.4	127									
Well No. 19A (River) Elev 800' Depth 215'		165.9	380		162	390		162	390									
Well No. 20A (River) Elev 800' Depth 225'		171.6	211		170	200		166	210									
Well No 25 (River) Elev 805' Depth 210'		181.4	155		182	150		182.6	170									
Well No. 3 (Fan) Elev 1220' Depth 547'	312.2			312			312.4											
Well No. 7A (Fan) Elev 1240' Depth 554'	256.1	311.1	164	264			276	343	165									
Well No. 8 (Fan) Elev 1227' Depth 1000'	329.9			342			342.2											
Well No. 9 (Fan) Elev 1252' Depth 436'	239.1			255			260.4											
Well No. 10 (Fan) Elev 1210' Depth 405'	219.4	253.2	41	226			232	261.2	41									
Well No. 13 (Fan) Elev 1280' Depth 403'	288.4			277			303											
Well No. 14 (Fan) Elev 1310' Depth 542'		421	210		518	155		420	148									
Well No. 17 (Fan) Elev 1375' Depth 597'		440.6	73		392	72		393	52									
Well No. 18 (Fan) Elev 2380' Depth 1000'	289	486	151	229.3			239	401	135									
Well No 22 (Fan) Elev 997.4' Depth 1100'		141.4	148		227.8	146		240.2	148									
Well No. 23 (Fan) Elev 1587' Depth 963'		369	47		371	44		365.1	40									
Well No. 24 (Fan) Elev 1530' Depth 582'		345.3	101	278				341.8	97									
Well No. 28 (Fan) Elev 2335' Depth 550'																		
Well No. 29 (Fan) Elev 1314' Depth 450'		357	127		363	122	277	366	119									
Well No. 41 (Horizontal) Elev 2627' Depth 555'									15.0									
Well No. 42 (Horizontal) Elev 2632' Depth 675'									26.0									
Well No. 43 Pressure Gauge: reads in psi																		
Well No. 44 (Horizontal) Elev 3040' Depth 465'									9.0									
Well No. 45 (Horizontal) Elev 2900' Depth 770'																		
Well No. 46 (Horizontal) Elev 3050' Depth 870'									26.0									
Well No. 47 (Horizontal) Elev 3050' Depth 1007'									9.0									
Well No. 48 (Horizontal) Elev 3160' Depth 785'									37.0									
Well No. 49 (Horizontal) Elev 3160' Depth 905'																		
Well No. 50 (Horizontal) Elev 3120' Depth 1215'									33.0									
Well No. 51																		
Schoepe No. 2 (River) Elev 700' Depth 253'		191.5	19		296	16		195.5	21									
Schoepe No. 3 (River) Elev 700' Depth 265'	156			157			157.7											
Schoepe No. 3-R (River) Elev 700' Depth 200'		184.2	37		285	30		184.5	28									
Schoepe No. 4 (River) Elev 700' Depth 185'	128			115			117.5											
Schoepe No. 5 (River) Elev 700' Depth 1000'	131			224			121											

(* static level with surrounding wells off 24 hrs)	January 2019			February 2019			March 2019			April 2019			May 2019			June 2019		
	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	*Static Level	Pumping Level	GPM
Monitor Well No. 21A Elev 800' Depth 251'	108			92			108.1			108.1			141			153		
Well No. 12 (River) Elev 800' Depth 207'	93.5			80				152.6	171		152.6	171		150.6	180		159.4	147
Well No. 19A (River) Elev 800' Depth 215'	106.8							149	398		149	398		148	401		160.8	388
Well No. 20A (River) Elev 800' Depth 225'	94.8			82.1				145.3	245		145.3	245		143.6	251		161.3	234
Well No 25 (River) Elev 805' Depth 210'	98.1							176.6	210					174.8	221		181.4	198
Well No. 3 (Fan) Elev 1220' Depth 547'	312.9			225			312.7			312.7			308.3			309.4		
Well No. 7A (Fan) Elev 1240' Depth 554'	265.9			242			252.8			252.8			244.4			247.6	310	170
Well No. 8 (Fan) Elev 1227' Depth 1000'	331			174			330			330			327.1			329.1		
Well No. 9 (Fan) Elev 1252' Depth 436'	262			251			239.2			239.2			236.1			236		
Well No. 10 (Fan) Elev 1210' Depth 405'	228.3			221			229			229			207.2			208.4	250.6	43
Well No. 13 (Fan) Elev 1280' Depth 403'	270.7			259			261.5			261.5			254.8			271.1		
Well No. 14 (Fan) Elev 1310' Depth 542'	251.3			282			290.2			290.2			288.9	389.6	340		410	291
Well No. 17 (Fan) Elev 1375' Depth 597'	335.4			324			341.4			341.4			343.1				431	76
Well No. 18 (Fan) Elev 2380' Depth 1000'	357.4			238				470	101		470	101	308	473	100	314	487	143
Well No 22 (Fan) Elev 997.4' Depth 1100'	221.4			218				241.1	151		241.1	151		239.8	154		234.4	150
Well No. 23 (Fan) Elev 1587' Depth 963'	260.6			258.6			226.3			226.3				341.1	50		352.2	44
Well No. 24 (Fan) Elev 1530' Depth 582'	267.8			265.5			271	341.4	100	271	341.4	100		339.2	102		367.8	129
Well No. 28 (Fan) Elev 2335' Depth 550'				172														
Well No. 29 (Fan) Elev 1314' Depth 450'	288.1			277			286.6			286.6			272.9	351.2	150		341.3	134
Well No. 41 (Horizontal) Elev 2627' Depth 555'																		
Well No. 42 (Horizontal) Elev 2632' Depth 675'																		
Well No. 43 Pressure Gauge: reads in psi																		
Well No. 44 (Horizontal) Elev 3040' Depth 465'																		
Well No. 45 (Horizontal) Elev 2900' Depth 770'																		
Well No. 46 (Horizontal) Elev 3050' Depth 870'																		
Well No. 47 (Horizontal) Elev 3050' Depth 1007'																		
Well No. 48 (Horizontal) Elev 3160' Depth 785'																		
Well No. 49 (Horizontal) Elev 3160' Depth 905'																		
Well No. 50 (Horizontal) Elev 3120' Depth 1215'																		
Well No. 51																		
Schoepe No. 2 (River) Elev 700' Depth 253'	151.4			142				193	18		193	18		192	20		191	17
Schoepe No. 3 (River) Elev 700' Depth 265'	156.1			143.6			150.6			150.6			151.4			154.6	OOS	OOS
Schoepe No. 3-R (River) Elev 700' Depth 200'	155.3			143.7				181.8	55		181.8	55		181.9	56		183.3	42
Schoepe No. 4 (River) Elev 700' Depth 185'	132			125.2			114			114			118			124		
Schoepe No. 5 (River) Elev 700' Depth 1000'	134			120			119			119			121			128		

(* static level with surrounding wells off 24 hrs)	July 2018			August 2018			September 2018			October 2018			November 2018			December 2018		
	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	*Static Level	Pumping Level	GPM
Monitor Well No. 21A Elev 800' Depth 251'	157			158			159			161			158			102.1		
Well No. 12 (River) Elev 800' Depth 207'		173.3	108		173	104		173	103		173.4	104		173	106	108		
Well No. 19A (River) Elev 800' Depth 215'		184.6	306	128.8	187.8	301		188.1	308		190.2	295		190	302	107.2		
Well No. 20A (River) Elev 800' Depth 225'		181.8	221	126.7	182	225		181.2	220		180.4	214		180.2	216	103.8		
Well No 25 (River) Elev 805' Depth 210'		184.3	130		184.8	128		175.8	130		175.6	118		181	110	107.3		
Well No. 3 (Fan) Elev 1220' Depth 547'	314.8			313.2			313.2			313.6			312.9			313		
Well No. 7A (Fan) Elev 1240' Depth 554'	291.6	368.1	141	292.1	365.6	138	298	366.1	133	287.2	365.3	127	287.6			279		
Well No. 8 (Fan) Elev 1227' Depth 1000'	343.8			344.1			345.3			343.2			341.9			337		
Well No. 9 (Fan) Elev 1252' Depth 436'	281.3			284.2			288.4			284.1			282.9			273.9		
Well No. 10 (Fan) Elev 1210' Depth 405'	249	287.2	36		299.8	37	252.4	299.8	36	248.5	300.1	35	245.2			238.3		
Well No. 13 (Fan) Elev 1280' Depth 403'	309.2			309.3			309.7			311.2			310.4			290		
Well No. 14 (Fan) Elev 1310' Depth 542'		433	115		421	193		409.7	125		418	168	277	414	195	254		
Well No. 17 (Fan) Elev 1375' Depth 597'		451	72		453	70		452	69		451	70	386.4	452	69	357.8		
Well No. 18 (Fan) Elev 2380' Depth 1000'		588	76		593	74		601	83		604	91		586	112	471		
Well No 22 (Fan) Elev 997.4' Depth 1100'		252.6	150		253.6	147		255	143		253.9	143		254.6	141	227.8		
Well No. 23 (Fan) Elev 1587' Depth 963'	258.1	258.1	43		364.4	43		366	41		354.2	39	274.6	365.1	38	270.1		
Well No. 24 (Fan) Elev 1530' Depth 582'		352.2	96		354.1	97		354	96		354.8	97	278.4			269		
Well No. 28 (Fan) Elev 2335' Depth 550'																		
Well No. 29 (Fan) Elev 1314' Depth 450'		361.1	118	349.2			304.1				373	128	343.4	368	126	310.6		
Well No. 41 (Horizontal) Elev 2627' Depth 555'			13.9			10.3			8.7			11.36			9.26			1.69
Well No. 42 (Horizontal) Elev 2632' Depth 675'			16.4			14.9			12.5			17.15			14.57			3.42
Well No. 43 Pressure Gauge: reads in psi			5			5			5			5			5			
Well No. 44 (Horizontal) Elev 3040' Depth 465'			6.3			6.1			5.2			6.83			5.73			1.07
Well No. 45 (Horizontal) Elev 2900' Depth 770'																		
Well No. 46 (Horizontal) Elev 3050' Depth 870'			12.4			11.6			9.2			11.59			9.69			1.91
Well No. 47 (Horizontal) Elev 3050' Depth 1007'			0.4															
Well No. 48 (Horizontal) Elev 3160' Depth 785'			30.6			31.0			27.2			33.54			27.6			5.01
Well No. 49 (Horizontal) Elev 3160' Depth 905'			7.7			7.5			6.5			8.82			7.52			1.4
Well No. 50 (Horizontal) Elev 3120' Depth 1215'			8.9			7.6			5.8			6.96			5.41			1.13
Well No. 51																		
Schoepe No. 2 (River) Elev 700' Depth 253'		191.5	16		192.1	16		191.9	15	138.2				191.5	7	152		
Schoepe No. 3 (River) Elev 700' Depth 265'		169	32		168.8	26		169.7	19	164.8				168.7	14	156.5		
Schoepe No. 3-R (River) Elev 700' Depth 200'		174.8	18		174.2	18		175.6	16	162.4				166.9	12	155.1		
Schoepe No. 4 (River) Elev 700' Depth 185'	132.5			134			136			136			136.6			131		
Schoepe No. 5 (River) Elev 700' Depth 1000'	137			138			138			139			139			134		

YUIMA MUNICIPAL WATER DISTRICT

Well Level Report

(* static level with surrounding wells off 24 hrs)	January 2018			February 2018			March 2018			April 2018			May 2018			June 2018		
	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM	Static Level	Pumping Level	GPM
Monitor Well No. 21A Elev 800' Depth 251'	128			134.0			111.0			148.0			151.0			156.0		
Well No. 12 (River) Elev 800' Depth 207'		155.2	169	119.0	146.5	164.0	100.9	157.5	145.0		164.1	133.0		168.7	134.0		172.8	119.0
Well No. 19A (River) Elev 800' Depth 215'	124			126.0	162.4	300.0	108.8	165.1	282.0		168.5	375.0	181.3		385.0		183.2	310.0
Well No. 20A (River) Elev 800' Depth 225'		152.4	285	121.0	143.5	275.0	102.7	148.0	270.0		167.4	248.0		175.8	275.0		180.0	230.0
Well No 25 (River) Elev 805' Depth 210'		163.8	210	136.9	164.0	225.0	106.5	173.0	195.0		174.3	183.0		181.4	154.0		184.0	132.0
Well No. 3 (Fan) Elev 1220' Depth 547'	313.2			304.1			301.0			305.0			313.4			312.9	364.2	
Well No. 7A (Fan) Elev 1240' Depth 554'	287.7			287.9			277.2			283.2			278.8			290.8		145.0
Well No. 8 (Fan) Elev 1227' Depth 1000'	339			336.3			335.9			337.1			340.0			342.5		
Well No. 9 (Fan) Elev 1252' Depth 436'	287.1			279.3			272.3			274.4			276.0			278.4		
Well No. 10 (Fan) Elev 1210' Depth 405'	253.8	281.4	35	242.6			238.2			244.2			238.2			247.4	284.1	38.0
Well No. 13 (Fan) Elev 1280' Depth 403'	306.2			303.8			294.6			304.5			306.5			309.3		
Well No. 14 (Fan) Elev 1310' Depth 542'		436.2	190	295.8	421.0	285.0		426.2	285.0		427.0	225.0		428.0	220.0		431.0	160.0
Well No. 17 (Fan) Elev 1375' Depth 597'		486	74	371.0	451.0	70.0		450.0	72.0		449.0	73.0		448.0	75.0		449.0	73.0
Well No. 18 (Fan) Elev 2380' Depth 1000'		488	116	399.5			381.3				530.0	98.0		538.0	94.0		563.0	82.0
Well No 22 (Fan) Elev 997.4' Depth 1100'		250.2	163	227.8	245.6	160.0	227.8	246.9	167.0		248.7	165.0		251.6	170.0		252.3	166.0
Well No. 23 (Fan) Elev 1587' Depth 963'		288.9	49	265.8	365.1	44.0	262.6	360.1	125.0	260.4	350.9	132.0	256.0	342.3	126.0	257.1	345.1	78.0
Well No. 24 (Fan) Elev 1530' Depth 582'	269.1	355.8	104	268.2	353.0	101.0	266.4			266.5				345.6	101.0		354.2	103.0
Well No. 28 (Fan) Elev 2335' Depth 550'																		
Well No. 29 (Fan) Elev 1314' Depth 450'	345	408.1	105	304.1	355.8	133.0		358.0	134.0	338.4			339.1	358.1	132.0		358.4	125.0
Well No. 41 (Horizontal) Elev 2627' Depth 555'			9.9			11.6			21.1			11.2			9.9			7.6
Well No. 42 (Horizontal) Elev 2632' Depth 675'			21			18.1			27.8			21.9			19.2			17.6
Well No. 43 Pressure Gauge: reads in psi			5			5			5			5			5			5
Well No. 44 (Horizontal) Elev 3040' Depth 465'			7.9			5.9			15.5			7.8			8.4			7.8
Well No. 45 (Horizontal) Elev 2900' Depth 845'																		
Well No. 46 (Horizontal) Elev 3050' Depth 870'			15.7			13.8			25.3			14.5			11.2			11.1
Well No. 47 (Horizontal) Elev 3050' Depth 1007'			4.8			4.3			6.3			4.2			5.5			2.8
Well No. 48 (Horizontal) Elev 3160' Depth 785'			33.3			25.3			39.0			35.6			21.6			23.9
Well No. 49 (Horizontal) Elev 3160' Depth 905'			10.4			7.7			9.6			7.2			6.9			9.4
Well No. 50 (Horizontal) Elev 3120' Depth 1215'			11.8			9.8			22.9			12.4			25.5			13.3
Well No. 51													124.0					
Schoepe No. 2 (River) Elev 700' Depth 253'		192	21	152.0	193.0	17.0		192.0	18.0		191.3	18.0				130.8		
Schoepe No. 3 (River) Elev 700' Depth 265'	154.9			159.0	169.1	43.0		169.4	51.0		169.4	40.0				155.7		
Schoepe No. 3-R (River) Elev 700' Depth 200'	151.3			157.0	185.3	24.0		185.8	25.0		185.1	25.0				154.2		
Schoepe No. 4 (River) Elev 700' Depth 185'	125.3			129.0			129.3			131.0						129.0		
Schoepe No. 5 (River) Elev 700' Depth 1000'	122			123.0			124.0			136.0						133.0		

YUIMA MUNICIPAL WATER DISTRICT

REPORT OF DISTRICT WATER PURCHASED AND PRODUCED

	Month Comparative One (1) Year Ago			Fiscal Year to Date Comparatives		
	Sep-19	Sep-18	%CHANGE	2019/20	2018/19	%CHANGE
LOCAL SUPPLY	255.2	183.0	39.5%	838.0	654.6	28.0%
AUTHORITY	767.6	702.1	9.3%	2279.5	2545.3	-10.4%
TOTAL PRODUCED & PURCHASED	1022.8	885.1	15.6%	3117.5	3199.9	-2.6%
CONSUMPTION	966.0	1083.9	-10.9%	2026.6	2284.3	-11.3%
% LOCAL	25.0%	20.7%	4.3%	26.9%	20.5%	6.4%
%AUTHORITY	75.0%	79.3%	-4.3%	73.1%	79.5%	-6.4%

FISCAL YEAR ENDING JUNE 30 COMPARATIVES

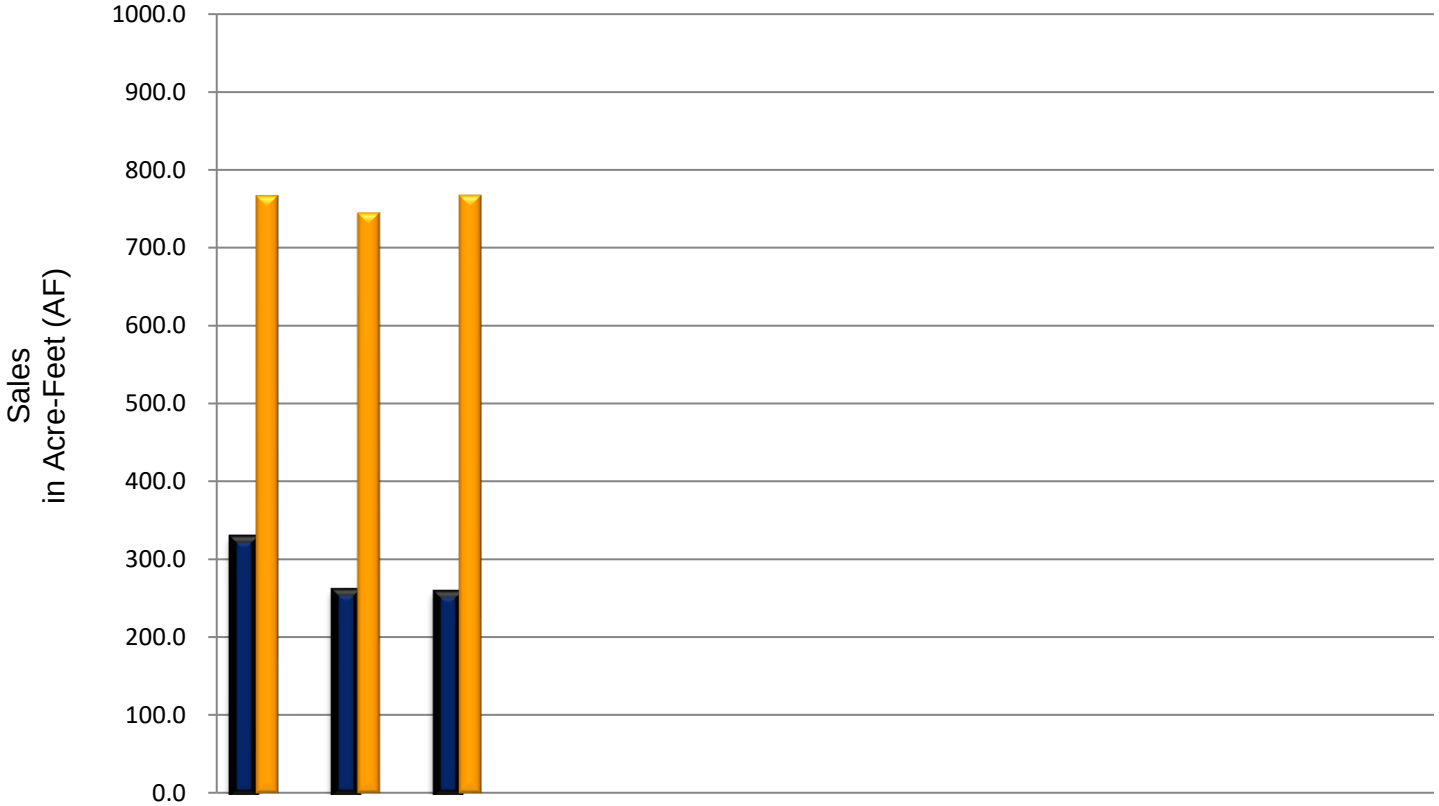
	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999
LOCAL SUPPLY	2107.5	2058.1	2334.3	2726.6	3145.7	4199.9	4353.8	3356.5	2858.8	3729.7	2583.6	4060.1	3367.0	2583.6	3591.1	3320.9	4389.3	3908.9	4441.4	4597.7
AUTHORITY SUPPLY	4780.9	4470.6	3621.1	4468.4	4596.1	2149.3	1183.6	1617.7	2521.8	2347.0	3719.8	3573.5	3478.7	3142.9	4309.0	3219.9	3598.0	2739.0	2848.8	719.0
TOTAL PRODUCED & PURCHASED	6888.4	6528.7	5955.4	7195.0	7744.8	6349.2	5537.4	4974.2	5380.6	6076.7	6303.4	7633.6	6845.7	5726.5	7900.1	6540.8	7987.3	6647.9	7290.2	5316.7
CONSUMPTION	6629.8	6379	5887.8	7175.6	7591.1	6310.3	5486.9	4959.0	5310.8	5909.0	6088.3	7380.5	6492.5	5384.5	7398.8	6271.4	7633.3	6368.2	6884.2	5052.1
% LOCAL	30.6%	31.5%	39.2%	37.9%	40.6%	66.1%	78.6%	67.5%	53.1%	61.4%	41.0%	53.2%	49.2%	45.1%	45.5%	50.8%	55.0%	58.8%	60.90%	77.2%
% AUTHORITY	69.4%	68.5%	60.8%	62.1%	59.4%	33.9%	21.4%	32.5%	46.9%	38.6%	59.0%	46.8%	50.8%	54.9%	54.5%	49.2%	45.0%	41.2%	39.10%	22.8%

ds/excel/waterpurchasedand
produced

YUIMA MUNICIPAL WATER DISTRICT

WATER PRODUCED & PURCHASED

2019/20



	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
LOCAL SUPPLY PRODUCED	325.5	257.3	255.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AUTHORITY PURCHASED	767.0	744.9	767.6									
TOTAL PROD/PURCH	1092.5	1002.2	1022.8									

RAINFALL RECORD 2019/2020 YUIMA SHOP

Location: 34928 Valley Center Road, Pauma Valley @ **1050' elevation**

	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	
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			0.03										
27			0.02										
28			0.24										
29			0.01										
30													
31													TOTAL YEAR
TOTALS	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
1987/88 (B)	0.00	0.00	0.00	2.60	4.17	1.20	2.97	2.23	0.97	6.95	0.40	0.00	21.49
1988/89 (B)	0.00	1.25	0.00	0.00	1.36	4.78	1.38	3.25	0.60	0.25	0.43	0.00	13.30
1989/90 (B)	0.00	0.00	1.03	0.50	0.00	0.55	4.45	2.65	0.92	3.22	0.95	1.10	15.37
1990/91	0.32	0.93	0.00	0.16	0.83	0.85	1.30	2.60	13.10	0.20	0.00	0.00	20.29
1991/92	0.70	0.00	0.40	0.85	0.30	1.90	3.25	5.60	5.30	0.15	0.50	0.00	18.95
1992/93	0.00	1.75	0.00	1.55	0.00	5.10	17.25	8.60	1.55	0.00	0.00	0.70	36.50
1993/94	0.00	0.00	0.00	0.25	2.35	0.90	1.20	4.60	5.30	2.00	0.20	0.00	16.80
1994/95	0.00	0.00	0.00	0.40	0.80	0.75	9.35	3.00	9.40	2.00	0.75	1.10	27.55
1995/96	0.10	0.00	0.00	0.00	0.20	0.85	1.50	3.50	2.30	0.50	0.00	0.00	8.95
1996/97	0.00	0.00	0.00	0.00	4.55	2.40	6.35	0.75	0.00	0.00	0.00	0.00	14.05
1997/98	0.00	0.00	2.10	0.10	2.45	2.10	3.70	10.95	4.05	3.30	3.05	0.15	31.95
1998/99	0.00	0.00	1.15	0.00	2.45	1.36	1.93	1.00	0.80	2.32	0.05	0.50	11.56
1999/2000	0.25	0.00	0.10	0.00	0.10	0.25	0.60	5.20	1.55	0.95	0.45	0.00	9.45
2000/2001	0.00	0.00	0.05	0.98	0.45	0.00	2.80	6.20	1.70	1.70	0.50	0.00	14.38
2001/2002	0.00	0.00	0.00	0.00	1.35	1.90	0.60	0.15	1.80	0.65	0.00	0.00	6.45
2002/2003	0.00	0.00	0.20	0.00	2.85	3.60	0.25	6.40	3.45	2.10	0.65	0.00	19.50
2003/2004	0.00	0.40	0.00	0.00	1.55	1.55	0.70	4.25	0.75	1.05	0.00	0.00	10.25
2004/2005	0.00	0.40	0.00	7.20	1.55	4.55	8.70	6.60	1.75	1.05	0.10	0.00	31.90
2005/2006	0.50	0.00	0.10	1.85	0.00	0.50	1.75	2.45	3.55	2.65	0.50	0.00	13.85
2006/2007	0.00	0.20	0.30	0.40	0.05	1.40	0.50	2.70	0.30	0.80	0.10	0.00	6.75
2007/2008	0.00	0.25	0.00	0.20	0.50	5.30	5.80	3.80	0.60	0.00	1.00	0.00	17.45
2008/2009	0.00	0.00	0.00	0.00	1.60	4.95	0.05	4.45	0.30	0.75	0.00	0.00	12.10
2009/2010	0.00	0.00	0.00	0.00	1.10	3.65	7.45	4.00	0.55	2.60	0.00	0.00	19.35
2010/2011	0.20	0.00	0.00	3.15	1.45	8.60	1.25	4.40	2.65	0.30	0.40	0.05	22.45
2011/2012	0.00	0.00	0.15	0.65	2.65	1.20	1.15	2.05	2.25	3.15	0.10	0.00	13.35
2012/2013	0.00	0.00	1.50	0.40	0.45	2.70	1.50	1.25	1.70	0.10	0.40	0.00	10.00
2013/2014	0.28	0.00	0.00	1.48	0.15	0.40	0.25	0.95	2.95	0.80	0.00	0.00	7.26
2014/2015	0.00	0.20	1.00	0.00	1.00	4.90	0.70	0.90	1.60	0.75	1.20	0.50	12.75
2015/2016	1.90	0.30	1.70	0.35	0.90	2.65	3.40	1.15	1.50	0.75	0.40	0.00	15.00
2016/2017	0.00	0.00	1.00	0.16	1.75	4.37	7.17	6.05	0.20	0.00	1.34	0.00	22.04
2017/2018	0.07	0.12	0.13	0.00	0.00	0.00	3.18	0.88	2.55	0.01	0.12	0.00	7.06
2018/2019	0.00	0.00	0.00	1.27	2.51	1.63	2.34	7.98	1.68	0.40	1.83	0.12	19.76
Average/32	0.14	0.18	0.34	0.77	1.29	2.40	3.27	3.77	2.43	1.30	0.48	#FIELD!	#FIELD!

RAINFALL RECORD 2019/2020 JOHNSON

Location: 32000 block of Rincon Ranch Road, Pauma Valley @ **2055' elevation**

Al Barretts record until 2009-10

	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	
1													
2													
3													
4													
5													
6													
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17													
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19													
20													
21													
22													
23													
24													
25													
26													
27													
28			0.45										
29													
30													
31													
TOTALS	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TOTAL YEAR 0.45

1987/1988	0.00	0.00	0.00	2.60	4.17	1.20	2.97	2.23	0.97	6.95	0.40	0.00	21.49
1988/1989	0.00	1.25	0.00	0.00	1.36	4.78	1.38	3.25	0.60	0.25	0.43	0.00	13.30
1989/1990	0.00	0.00	1.03	0.50	0.00	0.55	4.45	2.65	0.92	3.22	0.95	1.10	15.37
1990/1991	0.32	0.93	0.00	0.16	1.40	0.77	1.86	2.70	13.36	0.34	0.00	0.00	21.84
1991/1992	1.00	0.00	0.20	1.00	0.00	1.96	3.55	6.06	5.81	0.49	0.80	0.00	20.87
1992/1993	0.33	0.70	0.00	1.45	0.00	5.43	20.09	10.21	1.26	0.00	0.00	1.17	40.64
1993/1994	0.00	0.00	0.50	0.30	2.84	1.10	1.22	5.50	4.62	2.00	0.40	0.00	18.48
1994/1995	0.00	0.00	0.00	0.56	1.34	1.22	11.63	4.10	13.72	2.33	1.57	1.41	37.88
1995/1996	0.21	0.00	0.00	0.00	0.40	1.28	1.53	5.47	3.03	0.77	0.00	0.00	12.69
1996/1997	0.00	0.00	0.00	1.16	4.40	3.26	7.25	1.02	0.32	0.00	0.17	0.00	17.58
1997/1998	0.00	0.00	3.05	0.25	3.40	2.93	5.84	13.52	5.21	3.42	4.32	0.27	42.21
1998/1999	0.00	0.20	0.94	0.18	2.68	1.73	2.54	1.18	1.04	4.18	0.10	0.17	14.94
1999/2000	0.22	0.00	0.00	0.00	0.20	0.44	1.28	5.64	1.83	1.61	0.15	0.00	11.37
2000/2001	0.00	0.00	0.25	1.35	0.44	0.00	3.33	6.99	2.88	2.60	0.82	0.00	18.66
2001/2002	0.00	0.00	0.00	0.00	1.62	2.24	0.61	0.30	2.16	0.84	0.00	0.00	7.77
2002/2003	0.00	0.00	0.20	0.15	4.90	4.08	0.25	7.62	4.25	3.27	1.48	0.00	26.20
2003/2004	0.00	0.69	0.00	0.00	1.88	1.93	0.78	5.24	0.66	1.23	0.50	0.12	13.03
2004/2005	0.00	0.50	0.00	8.70	1.80	5.20	11.58	8.45	2.93	1.71	0.20	0.40	41.47
2005/2006	0.00	0.00	0.01	2.52	0.00	0.67	2.32	2.91	4.02	3.25	0.77	0.00	16.47
2006/2007	0.35	0.19	0.75	0.38	0.15	1.86	0.28	2.87	0.91	1.35	0.18	0.00	9.27
2007/2008	0.00	0.00	0.35	0.25	3.50	3.10	8.28	4.45	1.00	0.00	1.58	0.00	22.51
2008/2009	0.00	0.00	0.00	0.00	2.25	5.85	0.65	5.61	0.35	1.00	0.00	0.00	15.71
2009/2010	0.00	0.00	0.00	0.20	0.75	5.00	8.60	5.00	0.90	3.40	0.10	0.02	23.97
2010/2011	0.00	0.00	0.08	3.10	1.95	9.75	1.10	4.95	3.05	0.64	1.05	0.05	25.72
2011/2012	0.00	0.50	0.10	1.00	3.05	1.30	1.60	2.10	3.30	3.90	0.35	0.00	17.20
2012/2013	0.00	0.50	0.60	2.15	0.30	4.40	2.25	0.66	2.00	0.15	0.50	0.00	13.51
2013-2014	0.00	0.00	0.00	1.59	0.10	0.95	0.50	0.65	3.90	0.30	0.20	0.00	8.19
2014-2015	0.00	0.60	0.80	0.00	1.00	5.40	0.65	1.15	1.55	1.56	1.35	0.55	14.61
2015-2016	2.10	0.08	1.50	0.70	1.20	3.70	5.50	0.07	2.40	1.40	0.85	0.00	19.50
2016-2017	0.00	0.00	1.80	0.00	2.25	5.85	8.95	8.10	0.25	0.00	2.00	0.00	29.20
2017-2018	0.05	0.10	0.01	0.00	0.00	0.00	3.50	0.85	3.50	0.00	0.45	0.00	8.46
2018-2019	0.00	0.00	0.00	1.60	2.90	1.90	4.75	9.75	2.10	0.60	3.50	0.25	27.35
Average/32	0.14	0.20	0.38	1.00	1.63	2.81	4.10	4.41	2.96	1.65	0.79	0.17	20.23

YUIMA MUNICIPAL WATER DISTRICT
DELINQUENT ACCOUNTS LISTING

October, 2019

YUIMA

ACCOUNT NUMBER	PAST DUE AMOUNT	ACTION
01-1052-05	371.96	Locked Off
01-1599-00	518.69	Arrangement
	$ 890.65	

IDA

ACCOUNT NUMBER	PAST DUE AMOUNT	ACTION
02-5330-09	2,630.93	Locked Off
	$ 2,630.93	

LIENS FILED

LIENS FILED / TRANSFERRED TO TAX ROLL

VI
OTHER BUSINESS