



**September 28, 2020**

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

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

**SUBJECT: Public Hearing for Capacity Fee Increase**

**PURPOSE:** Schedule date and time to conduct the annual public hearing for a capacity fee increase.

**SUMMARY:**

In compliance with District policy staff performed the annual review and adjustment of the capacity fee to conform to the changes in the Construction Cost Index (CCI).

While there is currently a moratorium on the installation of any meters larger than one inch, the Board may want to consider adjusting the fee to keep the cost current and in line with the CCI. Currently, the District has several annexations in process that will require the connection of a significant number of domestic meters that will be charged a capacity fee. This fee should be kept current to ensure the district collects the necessary fees to keep maintain our capital reserves for any possible infrastructure repairs or improvements.

**Recommended Actions:**

To approve the proposed resolution setting forth the capacity charges and fixing the time and place of the public hearing.

**SUBMITTED BY:**

  
\_\_\_\_\_  
**Amy Reeh**  
**Interim General Manager**

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

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

**SETTING FORTH WATER CONNECTION FEES  
(CAPACITY CHARGES)  
FOR 2021 AND FIXING TIME AND PLACE  
OF HEARING AND GIVING NOTICE OF HEARING**

WHEREAS, the Yuima Municipal Water District has heretofore been duly and regularly formed; and

WHEREAS, the Board of Directors of the Yuima Municipal Water District adopted Ordinance No. 104-10 on January 25, 2010, providing that water connection fees (capacity fees) will be reviewed annually and adjusted to conform with changes in construction costs as determined by the Engineering News Record (“ENR”) construction cost index and changes in the infrastructure and asset values from the audited annual financial statements of the district; and

WHEREAS, it is determined to be in the best interest of the inhabitants, landowners, water consumers and taxpayers of the District that a capacity charge be fixed for water capital facilities needed by the District to serve new connections within the existing service area of the District; and

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

**NOW, THEREFORE, IT IS HEREBY FOUND, DETERMINED, DECLARED  
AND RESOLVED AS FOLLOWS:**

1. That the Recitals set forth hereinabove are true.

2. That the Proposed capacity charge be adjusted to conform with changes in construction costs as determined by the Engineering News Record (“ENR”) construction cost index.
3. That a hearing before the Board of Directors of Yuima Municipal Water District shall be held at 2:10 p.m. on October 26, 2020 at the office of the District 34928 Valley Center Road, Pauma Valley, California, for the purpose of considering the adoption of an ordinance which will fix and establish said capacity charge.
4. The Secretary cause notice of the time and place of said hearing to be published in a newspaper of general circulation, published, and circulated within said district, once a week for two successive weeks prior to said hearing.
5. That any owner of property within the District may appear and present objections or protests at said hearing or may file with the Secretary of the District, at any time prior to the hour set for said hearing, a written objection or protest to the proposed Capacity charge.

PASSED AND ADOPTED at a regular adjourned meeting of the Board of Directors of YUIMA MUNICIPAL WATER DISTRICT held September 28, 2020 by the following roll-call vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

\_\_\_\_\_  
Roland Simpson, President

ATTEST:

\_\_\_\_\_  
Don Bromell, Secretary/Treasurer

**NOTICE TO ALL PROPERTY OWNERS WITHIN  
YUIMA MUNICIPAL WATER DISTRICT**

**NOTICE IS HEREBY GIVEN, that the Board of Directors of the Yuima Municipal Water District, will hold a public hearing on the adoption of a proposed ordinance which would increase the existing connection fee (capacity charge) to conform with changes in construction costs as determined by the Engineering News Record (“ENR”) construction cost index on new service connections for 2020.**

**A public hearing on the proposed ordinance will be held on Monday, October 26, 2020 at 2:10 o’clock p.m. at the office of the District, 34928 Valley Center Road, Pauma Valley, California. Any owner of property within the District may appear and present objections or protests or may file with the Secretary of the District, at any time prior to the hour set for the hearing, written protests or objections to the proposed connection fee increase.**

**BY ORDER of the Board of Directors of the Yuima Municipal Water District.**

**The Proposed fee for consideration at the October meeting is shown below:**

	(EDU)	Current	Proposed
Under 1"	1	2,980	3,002
1"	1.6	4,767	4,803
1 1/2"	3	8,941	9,008
2"	5.2	15,496	15,612
3"	9.6	28,606	28,820
4"	16.4	48,871	49,237
5"	23.2	69,134	69,652
6"	30	89,397	90,067
8"	52	154,954	156,115





**September 28, 2020**

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

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

**SUBJECT: Forebay Pump Station Change Orders**

**PURPOSE:** To approve the change orders associate with the project changes necessary to address certain changes needed to project.

**SUMMARY:**

Due to encountering a significant amount of unexpected granite at the project site and requested design changes made by the State Water Resources Control Board, additional excavating, blasting, pipeline relocation was necessary. A detailed list of these changes and the corresponding cost is attached. The total additional cost is \$198,007.60 which is 6.1% of the original contract amount.

**Recommended Actions:**

To approve the proposed resolution for the Forebay Pump Station project change orders.

**SUBMITTED BY:**

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

**Amy Reeh**  
**Interim General Manager**

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

**RESOLUTION OF THE BOARD OF DIRECTORS OF  
YUIMA MUNICIPAL WATER DISTRICT  
APPROVING CHANGE ORDERS  
FOR FOREBAY PUMP STATION PROJECT**

**(Canyon Springs Enterprises, DBA RSH CONSTRUCTION INC.)**

WHEREAS, by prior resolution the bid of Canyon Springs Enterprises, dba, RSH Construction Inc. in the sum of \$3,195,000.00 for the Forebay Pump Station Project was awarded; and

WHEREAS, additional excavating, blasting and pipeline changes to accommodate encountering significant granite at the construction site in addition to the plan changes requested by SWRCB for overflow and discharge pipeline relocation, and other additional minor changes necessary to accommodate these design changes; and

WHEREAS, a change order in the amount of \$198,007.60 has now been presented to cover the increased work required; and

WHEREAS, it is the best interest of the District to make this change as a part of the contract with Canyon Springs Enterprises, dba, RSH Construction Inc.; and

NOW, THEREFORE, BE IT RESOLVED AND ORDERED BY THE BOARD OF DIRECTORS OF YUIMA MUNICIPAL WATER DISTRICT, as follows:

That Change Orders for Canyon Springs Enterprises, dba RSH Construction Inc., in the amount of \$198,007.60 additional excavating, blasting and pipeline changes to accommodate encountering significant granite at the construction site in addition to plan changes requested by SWRCB for overflow and discharge pipeline relocation and other minimal changes in attachment is hereby approved and accepted, and the appropriate officers of the District are authorized and directed on behalf of the District to execute all documents and to do all things necessary for change orders.

PASSED AND ADOPTED at a regular adjourned meeting of the Board of Directors of YUIMA MUNICIPAL WATER DISTRICT held September 28, 2020 by the following roll-call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

\_\_\_\_\_  
Roland Simpson, President

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

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

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
VALLEY CENTER MUNICIPAL WATER DISTRICT  
RECOGNIZING THE WEEK OF OCTOBER 3–11 AS  
WATER/WASTEWATER PROFESSIONALS WEEK AND  
HONORING THE WATER PROFESSIONALS OF THE  
YUIMA MUNICIPAL WATER DISTRICT**

**WHEREAS**, in recognition of the critical role played by Water and Wastewater Professionals statewide and in each community, the Governor and State Legislature have designated October 3-11 as “Water/Wastewater Professionals Week;” and

**WHEREAS**, all across California, literally thousands of men and women have dedicated their lives and careers to ensuring that their county, city, or community, water is delivered and wastewater is treated, day in and day out; and

**WHEREAS**, since the March 2020 ***COVID–19 Pandemic Emergency Declaration***, while many sheltered at home to protect themselves and their families, water and wastewater professionals reported to work each day and have gone about their normal routines, in the field, at the treatment plants, in the control rooms, in the mechanics bay, in the pump shop, in the meter shop, in the labs, and in the offices to ensure that the water and wastewater systems continued to operate, services were delivered, emergencies were attended to, and all the phone calls were answered; and

**WHEREAS**, as “***Critical Infrastructure Employees***” Water and Wastewater Professionals have put themselves at risk along with the other Heroes in the medical field, fire and police services, utilities and the private sector, working daily to ensure that the water and wastewater needs of their service areas were met safely and reliably; and

**WHEREAS**, Water and Wastewater professionals have played a key role in sustaining their respective communities during the Pandemic and help lead the state back to a full economic and social recovery.

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors of the Yuima Municipal Water District does hereby join the State of California and hundreds of other water agencies in recognizing October 3-11 as “Water and Wastewater Professionals Week,” to honor the women and men serving their respective communities as water and wastewater professionals, and

**BE IT FURTHER RESOLVED** that the Board of Directors does recognize, honor and sincerely thank the employees of the Yuima Municipal Water District for their unwavering dedication and outstanding commitment to sustain the delivery of a water supply every day and during the ***COVID–19 Pandemic Emergency Declaration***.

**ADOPTED** this 28th day of September 2020, at the meeting of the Board of Directors of the Valley Center Municipal Water District by the following roll-call vote:

Ayes:

Noes:

Absent:

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Roland Simpson, President

ATTEST:

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Don Broomell, Secretary / Treasurer

## Change Orders

List of Changes that were made from the original bid due to the additional excavating, blasting and pipeline changes to accommodate encountering significant granite at the construction site.

1. DELETE BID ITEM 104G -\$11,817.57
2. REMOVAL OF OILED SAND \$ 8,584.29
3. DRILL HOLES DISCHARGE PIPELINE \$3,800.00
4. REALIGNMENT OF 30" OVERFLOW PIPE \$12,087.39
5. EXCAVATION BY DRILLING & BLASTING METHODS \$46,598.00
6. VERTICLE REALIGNMENT OF 30" DIAMTER DISCHARGE PIPE  
\$13,559.34
7. BLASTING FOR OVERFLOW PIPE \$17,270
8. HOUSEKEEPING GENERATOR PAD \$6,815.83
9. DOOR HARDWARE \$5,663.75
10. PUMP DELIVERY \$2,515.50
11. FLANGE ISSUE \$8,622.40
12. ROCK IN 30" PIPE TRENCH \$62,515.94
13. RTU ENCLOSURE \$2,809.92
14. ADDITIONAL ACCESS ROAD PAVEMENT \$18,982.81

TOTAL \$198,007.16

IV.  
CLOSED SESSION

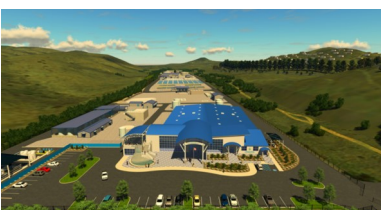
V.  
INFORMATION / REPORTS

# GENERAL MANAGER'S NEWS & NOTES MONTHLY NEWS & UPDATES

## TOP NEWS

### **Local Resources Program Agreements Approved for East County Advanced Water Purification Project and Escondido Membrane Filtration Reverse Osmosis Facility**

At its July 2020 meeting, the Metropolitan Water District (MWD) Board approved more than \$115 million in Local Resources Program (LRP) subsidies for two local water supply projects in San Diego County. Prior to the Board's approval, the Committee that heard the two LRP items placed conditions on the agreements, which were not previously discussed with the project proponents and would hinder the projects' ability to secure additional funds and increase project costs. The Board overturned the Committee's recommendation and approved the two funding agreements with 53.04 percent of its weighted votes. Along with the Water Authority Delegate Gail Goldberg (who cast the Water Authority's entire vote entitlement), the Burbank, Fullerton, Glendale, Inland Empire, Long Beach, Los Angeles, Santa Ana, Santa Monica, Torrance, and Upper San Gabriel delegations supported the funding agreements.



*East County Advanced Water Purification Project*

The East County Advanced Water Purification Project will begin production in 2024,

when fully implemented, it will meet up to 30 percent of East County's drinking water demands, approximately 13,000 acre-feet of water per year, and eliminate the discharge of 15 million gallons of partially treated wastewater into the Pacific Ocean. The East County Advanced Water Purification Program Joint Powers Authority, which includes Padre Dam Municipal Water District, Helix Water District, San Diego County, and the City of El Cajon, may receive up to \$91.8 million in LRP funding. The Escondido Membrane Filtration Reverse Osmosis Facility will come online in 2023 and provide up to 3,280 acre-feet per year of advanced treated recycled water to irrigate farmland. Escondido is slated to receive up to \$23.4 million in LRP funding. The Water Authority has secured nearly \$500 million in LRP funding for five local water supply projects in the San Diego region since it successfully challenged MWD's imposition of an illegal contract clause barring the region's participation in the LRP. To read a summary of the MWD Board's discussion surrounding the two projects' LRP agreements, see the MWD Delegates' Report starting on page 6 in the Water Authority's July 2020 Board supplemental materials found here: <https://sdcwa.org/meetings-and-documents>.



*Escondido Membrane Filtration Reverse Osmosis Facility*



## Water Authority Saves \$67.4 Million for Ratepayers

The Water Authority Finance department worked with a team of municipal advisors, banking underwriters, and bond and disclosure counsel over several months to refinance outstanding debt as part of the strategic debt management strategy. Leading up to the refunding, all three major rating agencies, Standard and Poor's, Moody's, and Fitch affirmed the Water Authority's strong credit ratings and stable outlook creating an opportunity for savings. Projections weeks prior to pricing on July 8, showed that the refunding could save approximately \$40 million. The Water Authority's strong credit ratings and the favorable market enabled the Water Authority to refinance \$400 million in outstanding senior-lien debt and receive nearly \$2 billion in orders from interested investors. The \$283.5 million Series 2020A (Green Bonds), and \$117.7 million Series 2021A (Green Bonds) saved the region's ratepayers \$67.4 million, \$27 million more than previous projections.

## Water News Network Named Best California Public Agency Website

The Water News Network website has been named "Best Website" among California public agencies for 2020 in the California Public Information Officers EPIC Awards competition.



The CAPIO EPIC Awards recognize the "best of the best" in government communications throughout the state. The Water News Network received praise from competition judges for keeping all stakeholders in mind when creating the website, and for its initiative in producing original story content and photos.

The WNN's success is possible because of the collaboration with the Water Authority's 24 member agencies and the teamwork that is essential to creating compelling stories about our region's most precious resource. Over the past two years, the WNN has become a timely and reliable source of news and information about regional water issues, projects and programs.

CAPIO award entries are assessed on research and planning efforts that display an understanding of audience objectives and needs for information; development and execution; and how successfully the entrant organization achieves its objectives.

## MWD Approves General Manager Recruitment Process

Earlier this year, Metropolitan Water District (MWD) General Manager Jeffrey Kightlinger announced he would "step down as General Manager at the end of this year." In July, after several months of Board discussions including receiving public comments, the MWD Board approved a general manager recruitment process. Under this process, all interviews will be conducted by a standing committee, affording all Board members the opportunity to participate in the process. The MWD general manager recruitment process' key steps are listed below.

1. The Organization, Personnel and Technology Committee (OP&T) will review executive search firm (firm) proposals and recommend a firm to the Board.
2. The Board will review proposals and the OP&T Committee's recommendation and select a firm.
3. The OP&T Committee will work with the firm to update the job description; survey the Board on general manager qualities; receive input from the public; and develop an outreach plan.
4. The Board will approve the job description, brochure, and outreach plan.
5. The Executive Committee will work with the firm to prepare questions, screen candidates, ensure the process is confidential, and develop a candidate pool for first round of interviews. The Executive Committee will conduct the interview process and recommend three to five finalists to the Board.

The Board will conduct interviews of the finalists and make selection of a new general manager by majority vote.

# COMMUNITY OUTREACH

## Reaching Out to the Community

Solana Beach Mayor Jewel Edson passed out Brought to You by Water branded shopping bags filled with food items and Trust the Tap information cards during a mobile pantry distribution event in her city in July. In addition to raising more than \$20,000, the Water Authority and its member agencies donated 2,500 grocery bags to food banks to aid in local distribution events.



## Online Photo Archive Provides Easy Access to High Quality Photos

The Water Authority's new Online Photo Archive is now live and available for use. The archive is designed to provide easy access to our best, high-resolution images of water projects, events, staff, and facilities across the region. It helps overcome the challenges of finding specific photos by adding a comprehensive key word search function and galleries grouped by categories.

The photos may be used for internal and external publications in print and on the web. They also are available to member agencies. Public Affairs staff will maintain the archive, and photo submissions are welcome from all departments.

Staff who take or receive high-quality, high-resolution photos should consider which, if any, are appropriate for the archive. The archive is intended for enduring images, the kind that are likely to be useful to a variety of publications over several months or years. Guidelines for using the archive and submitting new photos are available on the [Intranet](#).



To access the archive, go to <https://sdcwa.smugmug.com> and use the password: Photo-Gallery-SDCWA!

## Qualified Water Efficient Landscaper (QWEL)

Landscape professionals employed in the private sector, and by public agencies, continue to benefit from water-use efficiency education through the QWEL professional certificate program. The Water Authority worked with its program vendor to successfully transition from live classroom to live video webinars. The San Diego region's QWEL training is the only regional effort to make the remote learning transition.

QWEL training is structured around a topic-by-topic approach within 10 landscape and irrigation water-use efficiency subject areas. Typically held over three, six-and-a-half hour days, the remote training was packaged into two-and-a-half-hour sessions and presented in live video webinar format. Thirty-five hours of training were completed by the end of June. Training participants include landscape contractor account managers, irrigation technicians and groundskeepers, professional designers and master gardeners.

The professional education program is recognized by the U.S. EPA WaterSense and is designed to significantly increase water-management skills and knowledge. The Water Authority and its 24 member agencies brought QWEL training to the San Diego region in 2016. QWEL is a proactive, localized certificate program designed to significantly increase water management skills and knowledge. The 20-hour course includes: irrigation system and landscape design, soil, plant, water budgeting principles, and more. More than 1,200 individuals have participated in the QWEL program. For details and to register visit [QWEL.net](#).

# COMMUNITY OUTREACH

## Region's Landscaping Classes for Homeowners and Landscape Professionals Succeeds Online

The San Diego County Water Authority and its 24 member agencies support water efficiency throughout the region with various incentives and education opportunities. Two of the most popular class series are 1) the WaterSmart Landscape Makeover Program, and 2) the Qualified Water Efficient Landscaper Program. When COVID-19 precautions brought in-person classes to a halt, the Water Authority took action to shift to online learning opportunities. Transition to a remote learning environment required offering an engaging virtual experience and the chance for personal interaction. Presentations were enhanced, interactive quizzes were developed, and participant email increased.

### WaterSmart Landscape Makeover Program

These free, [award-winning and interactive classes](#) teach the steps for successfully converting high-water-use turf areas to WaterSmart landscapes during four classes over consecutive weeks. Participants learn from local landscape professionals about soil, project planning and design, turf removal, plant selection, irrigation efficiency and rainwater harvesting. Each series culminates with experts helping homeowners create personalized landscape makeover plans. Almost 1,100 homeowners have graduated from this series, representing a combined commitment to remove 1.1 million square feet of turf.

The first series of live virtual workshops were hosted by the City of Oceanside beginning in May. The Water Authority worked with its program vendor to transition

the three-hour workshops to an online platform. The series of five topical workshops will run twice through the end of the year. All workshops are broadcast live and will be made available for replay on the Water Authority website.

In the four-class series homeowners receive an hour of one-on-one coaching from a local landscape professional on the plans they've developed during the first three classes. Currently homeowners are given the choice of online or in-person coaching. Residents can also learn more about the landscape makeover process from our [Landscape Makeover Videos On Demand](#). For details and to register visit [WaterSmartSD.org](#).

### Water Authority Disclosure Counsel to offer training to Member Agency Finance Officers

A best management practice in financial and debt management is to provide training on a necessary basis to an organization's governing body and staff on critical issues in securities law and municipal disclosure. Securities law issues are relevant not only when accessing capital markets but on a year-round basis as financing and operating information is disseminated to the public and capital markets. As part of the Water Authority's Debt Management and Disclosure Policy, Disclosure Counsel Lisa Greer Quateman from Polsinelli, LLP, will be providing the Member Agency Finance Officers and staff annual disclosure training on August 13, 2020, from 1:00 to 2:30 p.m.



## DEPARTMENT NEWS

### Construction Update for Mission Trails Flow Regulatory Structure II and Flow Control Facility

The Mission Trails Flow Regulatory Structure II and Flow Control Facility are currently under construction. The project includes constructing a new 4.8 million-gallon untreated flow regulatory structure (FRS), a new flow control facility (FCF), pipeline connections, and the removal of eight existing vent structures in Mission Trails Regional Park. The new infrastructure will improve the Water Authority's ability to safely manage planned and unplanned flow changes to member agencies south of Mission Trails regional park. It will supply water when agencies request additional flows, and store water when demands are reduced. This project will also abandon two miles of deteriorated Prestressed Concrete Cylinder Pipe. The first phase of the project, completed in 2010, installed pipes to connect FRS II to aqueduct pipelines. The final phase of the project will construct the new flow regulatory structure and flow control facility. Water deliveries will be measured and controlled through the new FCF, which will enhance our ability to match member agency flow requests.

The construction contract was awarded to OHL USA, Inc. in January 2020 for \$28,382,746. Construction activities are on schedule to complete in January 2022. Some of the major work items completed to-date include mass excavation and grading activities for the FRS II and outlet pipeline, screening and crushing excavated material to create suitable backfill material, and installing an isolation bulkhead in Pipeline 3. The Contractor is currently working to prepare the subgrade in preparation to pour the concrete foundation for the FRS II. The project is approximately 20 percent complete. The facility is scheduled to be brought on-line during a shutdown scheduled in November 2021.

As a result, staff and outreach consultants developed a multi-pronged outreach and communication plan that included placing signage along access roads and trails in the park and outreach to park users at specific locations inside the park. During three days in late July, consultants engaged with more than 100 park users – hikers, runners and bikers – at these locations and

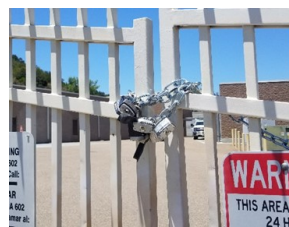
handed out cooling towels and trail maps to inform them about the impacted trails and available detours. Staff will assess whether further engagement with park users is needed to ensure the safety of crews and the public.



*Drone photo of mass excavation and tank subgrade preparation for FRS II*

### O&M Improves Physical Security Measures with In-House Fabrication

The O&M Department is dedicated to continuously evaluating and implementing physical security measures to improve security throughout its aqueduct system and critical infrastructure/facilities. In close coordination with the Department of Homeland Security, physical security assessments of Water Authority facilities have been performed over the years which identified opportunities to improve the Authority's efforts to deter, detect, and delay potential intruders, such as criminals, vandals and even saboteurs/terrorists. One particular recommendation from the assessments focused on improving the locking mechanism on Authority facilities' entry gates.



*Existing Chain/Locks System*

## DEPARTMENT NEWS

Currently, at various Authority facilities, entry gates are locked using a chain containing numerous interlocking locks, as shown in the picture above. Often, various users, such as Authority staff, utility/communication companies, emergency response personnel and property owners, require locks at entry points to gain access to a location or facility. Although this method of securing an entry gate is simple and efficient to unlock/lock the gate, it provides potential intruders an opportunity to readily damage, add an unauthorized lock and/or cut the locks or chain to gain unauthorized access. As such, the O&M



*O&M Staff Fabricating Locking Mechanisms*

Department identified 6 entry gates to major Authority facilities that required a more secure locking mechanism. Since each existing entry gate was unique, it was determined to be more cost effective to fabricate the locking mechanisms using in-house O&M staff in order to best fit and secure each site. Utilizing their creativity, experience, knowledge and skills, O&M's Facilities Maintenance staff designed and fabricated new locking

mechanisms. The new locking mechanisms greatly reduce the ability to add unauthorized locks and most importantly reduce the ability to cut the locks or chain. They also hide the locks, have a more professional appearance and are easy to use, close and lock.

By fabricating the locking mechanisms in-house, not only were significant savings realized but also a high quality and best suited locking mechanism was produced. In addition, our highly motivated staff was able to fabricate their design and gain valuable experience throughout the process.

Overall, the new locking mechanisms will protect the Authority's investments and infrastructure while greatly enhancing security and staff safety. The creativity and successful fabrication/use of these locking mechanisms is directly related to the dedication, skills, knowledge and experience of Water Authority O&M staff.



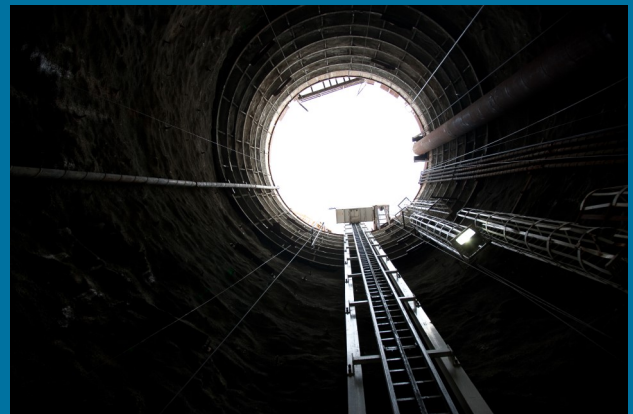
*New Locking Mechanism*

## HEADWATERS

### 2011: San Vicente Pipeline Tunnel Completed

In 2011, the 11-mile, 8.5-foot diameter San Vicente Pipeline Tunnel was completed, linking the San Vicente Reservoir in Lakeside to the Water Authority's aqueduct in Mira Mesa. The \$342 million project is a key component of the \$1.5 billion Emergency & Carryover Storage Project, a complex storage and conveyance system designed to protect the region if imported water supplies are disrupted by an earthquake or other disaster. Construction on the San Vicente Pipeline began in 2005 and construction crews used underground tunneling machines instead of trenching to reduce impacts to nearby

communities. The San Vicente Pipeline completion added to other major pieces of the E&CSP already in place, including the Olivenhain Dam, Olivenhain-Hodges Pipeline and San Vicente Pump Station.







# GENERAL MANAGER'S NEWS & NOTES

## MONTHLY NEWS & UPDATES

### TOP NEWS

#### **MWD's Financial Position Opens the Door to Rate Relief**

At its August 2020 meeting, the Metropolitan Water District (MWD) Board set the ad valorem property tax rate at 0.0035 percent, maintaining the current tax rate. The MWD Act limits collecting ad valorem property taxes to pay for MWD's annual debt service on its general obligation bonds and a portion of its obligations under its State Water Contract, also known as Burns-Porter bonds, unless the Board determines suspending the limit is "essential" for MWD's "fiscal integrity." By suspending the tax rate limit, MWD estimates it will generate \$148 million in property tax revenues in fiscal year 2021, of which about \$133 million is above the limitation.

Though the Water Authority's MWD Delegates opposed similar actions in the past, Water Authority Delegate Tim Smith said the Delegates made the difficult decision to not oppose this action "due to the risk of lower-than-budgeted water sales, the devastating financial impacts of the COVID-19 pandemic on Southern California water ratepayers," and the opportunity that suspending the tax rate limitation offers to provide rate relief to ratepayers in September when MWD revisits its 2021 and 2022 budget and rates. (The Delegates also provided a [letter](#) to MWD articulating their position.) Smith urged MWD "to find ways to implement budget cuts, including those staff has identified and have implemented, so we can reduce the planned rate increases to lessen our member agencies' and our ratepayers' financial impact." He also

requested that staff provide several cost cutting options for the Board's consideration when it revisits the budget and rates at its September meeting.

Despite fiscal year 2020 water sales coming in \$342.4 million below budget, MWD is still in a solid financial position to reduce its rates in September. Even with this sales deficit, MWD ended fiscal year 2020 with \$59.3 million in net revenues largely due to expenditures coming in under budget by \$255.4 million. Ultimately, MWD ended fiscal year 2020 with unrestricted reserves at \$447.6 million, which is about \$178.1 million above the minimum. To read a summary of the MWD Board's discussion surrounding the tax rate and other financial management matters, see the MWD Delegates' Report starting on page 75 in the Water Authority's August 2020 Board supplemental materials found here: <https://sdcwa.org/meetings-and-documents>.

#### **Purchasing Valves early reduces Construction impacts**

The First Aqueduct consists of two 35-mile long pipelines which span from the Metropolitan Water District point of delivery in northern San Diego County to the San Vicente Reservoir. Water deliveries to Member Agencies from Pipeline 1 started in 1947, with Pipeline 2 providing additional capacity in 1954. In 2015, Water Authority and consultant staff performed a condition assessment of the First Aqueduct facilities and recommended a two-phase approach to rehabilitate and

extend the service life of these critical pipelines.

The first phase, currently in construction, rehabilitates 2.75 miles of pipe lining and 60 pipeline valve and access structures in the northern section of the First Aqueduct from the San Luis Rey River to Escondido. During the design of the first phase, the project team reviewed lessons learned from previous construction projects and found extended valve procurement durations were causing delays during construction. These valves are made to order, rather than being in stock at a warehouse, and take approximately 12 to 14 months to manufacture and deliver. In response to the lessons learned, the project team procured 40 valves in advance of first phase construction to reduce contractor risk and shorten the construction schedule by six months. The shorter construction schedule also decreased construction costs by avoiding six months of construction management costs and contractor overhead. Pre-procuring these valves proved successful on the first phase of this project and eliminated the uncertainty of obtaining the valves in time for installation. The first phase rehabilitation work is scheduled to complete in December 2020.

The second phase of the First Aqueduct project, as shown

in Figure 1, will rehabilitate 106 pipeline valve and access structures from Escondido to the San Vicente Reservoir. Many of the structures in the southern section are in streets and adjacent to homes and schools in the communities of Escondido, Poway, San Diego, and San Diego County. Using the lessons learned from previous projects, valves required for this project will be ordered this winter to arrive in advance of when construction is scheduled in Summer 2022. This procurement minimizes the duration communities will be impacted by the work, while reducing costs and construction risk to help drive competitive construction bids.

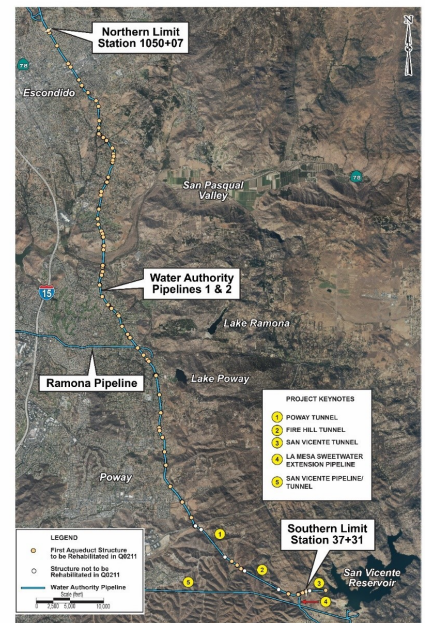


Figure 1

## COMMUNITY OUTREACH

### Water Ordering System Updates

The Water Authority's O+M flow request system (dubbed "OOS" or "Online Ordering System") recently received several technical updates to improve performance, versatility and security. The system has been in place for more than 10 years, processing more than 255,000 total flow change requests. The system receives online flow requests 24 hours a day, 7 days a week from all of our member agency system operators via step-by-step forms with built-in validation to meet our operational requirements. Our system operators receive the flow requests in real time and make operational changes to

meet demand and to balance the water system. The system also receives data for the following: our weekly reservoir reporting, daily water quality monitoring, and other shared system documentation.

Recent improvements include the addition of user interface timestamping for date and time entry, updated date and time validation methods, improved water quality report generation for approvals, integration of the reservoir reporting data with our new DAIS water billing system, and several system configuration changes to improve security and reliability.



# COMMUNITY OUTREACH

## Asset Milestone

The San Diego County Water Authority's asset management team recently celebrated the completion of a comprehensive condition assessment of more than 27 miles of the agency's oldest pipelines. The work was part of a package of rehabilitative efforts on a portion of the First Aqueduct, which includes Pipelines 1 and 2 in North San Diego County. Built in 1947 and 1952, the two pipelines deliver treated water to the region and were constructed using various materials, including reinforced concrete and steel.

The Water Authority completed inspections of the last two sections (San Luis Rey Siphon and Couser Canyon) of the 1<sup>st</sup> Aqueduct pipelines in partnership with Diakont Advanced Technologies. Diakont, based in Carlsbad, Calif., selected a Remotely Operated Diagnostic Inspection System (RODIS) tool for these inspections. The RODIS inspection tool captures data in real-time from inside the pipeline and relays it to a mobile control station. The technician can actively use the tool to characterize defects in real time and modify the inspection procedure to accommodate findings. High-resolution LASER Profilometry and Electromagnetic Acoustic Transfer technology located internal and external corrosion defects that were then field verified by the Asset Management Team using handheld ul-

Figure 1: Live Screen from Inside Mobile Control Station



trasonic testing equipment. The information was then relayed to the Engineering Department to coordinate welding steel patches on the inside of the pipe. This method avoided costly excavations and environmental impacts.

The two-year effort by the Asset Management Program used in-house staff, three consultants and three different inspection technologies to accomplish this feat. The results produced valuable data that was used to determine the condition of the pipeline, identify repairs, and extend the remaining service life of the pipeline. The data showed that both pipelines are in good overall health and only routine spot repairs were needed at this time.

## HEADWATERS

In 1991, the Water Authority successfully sponsored state Senate Bill 1224, which required that toilets sold or installed in 1994 or later could use no more than 1.6 gallons of water per flush. Before that, toilets sold in California could use up to 3.5 gallons of water per flush. Efforts by the Water Authority and other agencies throughout California in 1991 also helped pass national legislation – the 1992 Energy Policy Act -- that became a cornerstone of water- and energy-efficiency efforts nationwide. Today, that effort remains one of the Water Authority's most important contributions to water conservation.



**YUIMA MUNICIPAL WATER DISTRICT**  
**ADMINISTRATIVE REPORT**

**September 29, 2020**

**Amy Reeh**

**Interim General Manager**

**ANNEXATIONS/NEW SERVICE REQUESTS**

Pauma Valley Water Company (PVWC) The PVWC Annexation Project Team continues to move forward with the necessary steps and documentation development to submit the annexation package to the San Diego County Water Authority.

Shadow Run (Schoepe) Annexation/De-Annexation: The EIR has been submitted to Metropolitan Water District and the annexation is awaiting approval and terms and conditions from MET.

Rancho Corrido Annexation: The annexation packet has been submitted to LAFCO. Per Mr. Barry at LAFCO; it takes about six months for LAFCO to process the packet. The Water Authority and MWD are preparing to submit their Subject Agency Information Form for submission to LAFCO. The District will be notified when Rancho Corrido must submit their processing fees.

- \*At the request of LAFCO, the Water Authority, its member agency, and MWD will each submit to LAFCO a Subject Agency Supplemental Information Form regarding the proposed annexation.
- \* YMWD forwards annexation payment from Rancho Corrido to MWD and Water Authority, based on current fees and charges.
- \* YMWD certifies with LAFCO that all conditions are met.
- \* LAFCO records certificate of completion.
- \* Following annexation, YMWD shall annually submit for a five-year period to the Water Authority information required to comply the Water Authority's reporting requirements (Section 5 of the Water Authority Annexation packet) and with MWD's Administrative Code Section 3107 on Water Use Efficiency Guidelines.

**REPORTING**

The District's annual audit was completed on Monday, September 21<sup>st</sup>. The audit was performed "virtually which made it a little more challenging. Typically when auditors are onsite they are provided hard copies of records for review and take copies of what they sampled. This year all of the requested financial documentation and back up needed to be uploaded into the auditors secure audit portal for review. This credited a significant amount of additional work for staff but

the process went very smoothly. However, knowing how the process will be for future audits, the District has modified the manner in which records are scanned and organized electronically so that pulling documentation for the auditors will be more expedient and less labor intensive.

District staff has been participating in online training on the new Water Authority DAIS reporting system. District staff must use this system to report all water purchases, local groundwater production, TSAWR deliveries and any other requested reporting. The monthly bill will also be retrieved through this system

The Water Authority is conducting its annual TSWAR Certification process. The Water Authority has requested the District's TSAWR delivery records reported in numerous ways. Fiscal year; calendar year, actuals; average, etc. Coupled with this process, the District has had to submit production and consumption data for fiscal and calendar years 2015-2019 for the Authority's Urban Water Management Plan. Due to the financial system conversion, the district had to combine old, hardcopy records with the new reports. Fulfilling this information request was extremely frustrating on staff because this information is reported monthly to the Water Authority yet they requested us to submit the same information multiple times. It is hopeful that the new reporting system being utilized by the Water Authority will allow this information to be more easily accessed for future purposes.

## **LEGISLATION**

Some of the effects of AB1668 and SB606 are beginning to be seen in the monthly and annual reporting the District is required to submit. This year's EARS report contained 5 new reporting sections aimed at collecting data for residential gallons per capita to use as a water efficiency standard.

Beginning in October 2020, AB1668 will require the District to submit yet another monthly report to the State to report the following information:

- Water System Identification
- Total Potable Water Production
- Population
- Percent Residential Use
- Water Shortage Response Level – in the event of mandatory cutbacks
  - Water Shortage Contingency Plan Actions (if any)
  - Communication Actions (if any)
  - Compliance and enforcement actions (if any)

This report will be due by the 28<sup>th</sup> of the month and carries a \$1000 / day fine for non-compliance.

Beginning in July 2022, SB606 will require an Annual Water Supply and Demand Assessment be completed and submitted to the State. ACWA is developing a template for water agencies to use for reporting purposes. The goal of AB606 is to identify significant water loss (slippage) and require action by the District that will result in reduction of water loss. Some mechanisms mentioned for controlling slippage is the replacement of older style meters and the performance of an annual leak detection program.

## **SAN DIEGO COUNTY WATER AUTHORITY**

The San Diego County Water Authority has developed a Regional Workforce Program that is focusing on recruitment and education for the water industry. The program has partnered with Department of Defense SkillBridge Program to create a Veterans Internship program, as well as water/wastewater internship program through the Water Authority. It has also partnered with Cuyamaca College and National University to create a specialized educational program for obtaining a Bachelor's degree in Public Administration: Water Works Management.

The Water authority has also developed a website where all of these internship and educational opportunities will be available to the public. Additionally, member agencies can list their career opportunities on this website and make use of the online application function to allow applicants to apply and submit their resumes for open positions. Please take a moment to look visit the website at [SanDiegoWaterWorks.org](http://SanDiegoWaterWorks.org).

# YUIMA MUNICIPAL WATER DISTRICT OPERATIONS REPORT

**September, 2020**

## Staff Report

### Forebay Pump Station Rehabilitation

The final piece of equipment was delivered to the Forebay Pump Station on September 17<sup>th</sup>. The stand-alone generator was placed and is in the process of being connected to the pump station. Testing of the generator and automatic transfer switch will occur on Tuesday, September 29<sup>th</sup>. Once this process is complete the contractor can begin the asphalt work. Prior to the asphalt being laid the District will need to install a secondary air gap at one of the valves. This is an additional safety measure suggested by the Operational staff to guard against damaging the pump station and pipeline during shutdowns.

### CWA Shutdown:

The CWA shutdown that occurred starting Sunday, September 20, 2020 through Wednesday, September 23, 2020 went very smoothly. The Water Authority was quick to complete the necessary work and we were able to begin testing the system on Wednesday afternoon and allowing growers to resume watering. Staff stayed late on Wednesday making calls to growers to ensure they knew they could start watering right away. Unfortunately, there is another scheduled shutdown on November 1-10<sup>th</sup>. The District's emergency connection to Valley Center MWD is still in place and will aid in providing water to customers during the shutdown in addition to local production.

### WELLS

#### *YUIMA General District*

<b>SCHOEPE WELLS</b>			
WELLS	FLOW / GPM	STATUS	↓ % CHANGE ↑
PVW2	30	IN SERVICE	0%
PVW3	0	OUT OF SERVICE - PUMP	0%
PVW3R	60	IN SERVICE	0%
PVW4	0	OFF DUE TO WATER LEVEL	0%
PVW5	0	OFF DUE TO WATER LEVEL	0%

#### IDA

<b>STRUB WELLS</b>
--------------------

WELLS	FLOW / GPM	STATUS	↓ % CHANGE ↑
12	151	IN SERVICE	0%
19A	399	OUT OF SERVICE - PUMP	0%
20A	249	IN SERVICE	0%
25	221	IN SERVICE	0%
22	158	IN SERVICE	0%

FAN WELLS			
WELLS	FLOW / GPM	STATUS	↓ % CHANGE ↑
3	0	OFF DUE TO WATER LEVEL	0%
7A	171	OFF – LOW DEMAND	0%
8	0	OFF DUE TO WATER LEVEL	0%
9	0	OFF DUE TO WATER LEVEL	0%
10	42	OFF – LOW DEMAND	0%
13	0	OFF DUE TO WATER LEVEL	0%
14	300	OFF – LOW DEMAND	0%
17	60	OFF – LOW DEMAND	0%
18	135	OFF – LOW DEMAND*	0%
23	45	OFF – LOW DEMAND	0%
24	109	OFF – LOW DEMAND	0%
29	128	OFF – LOW DEMAND	0%

HORIZONTAL WELLS**			
WELLS	FLOW / GPM	STATUS	↓ % CHANGE ↑
41	14	ON	0%
42	26	ON	0%
43	0	OFF DRILL BIT LODGED	0%
44	8	ON	0%
45	0	OFF - SEDIMENT	0%
46	26	ON	0%
47	5	ON	0%
48	37	ON	0%
49	9	ON	0%
50	16	ON	0%

\*Well #18 – Supplies “Ag Only” open reservoirs at 135 gpm, Pettis and Dunlap and is being used to supply both Reservoirs alternately, as required.

\*\* Horizontal Wells – Per SWRCB all supplies must be used for AG only; cannot blend

die to high Iron and Manganese. Supplies going into Dunlap open reservoir. Repairs to the Horizontal well line have been completed. The line was relocated to mitigate future damage that occurs in the deep, difficult to access ravine. The line now parallels the well line road and connects to the old Upper Catch line which also has been repaired.

**BOOSTER STATIONS**

<b>BOOSTER STATIONS</b>		
<b>STATION</b>	<b>PUMPS</b>	<b>STATUS</b>
PERRICONE	1,2,3,4	OK
FOREBAY	1,2,3,4	UNDER CONSTRUCTION
EASTSIDE	1,2,3	OK
1	1,2,3,4	OK
4	1,2,3	OK
6	1,2,3	OK
7	1,2,3	1 UNDER CONST., 2 OK, 3 OK
8	1,2,3,4	OK
SCHOEPE	1,2,3	1 – OUT OF SERVICE, 2 & 3 OK

**Schoepe**

Pump #1 is down due to failed VFD. However, due to low production and the large pump size (900 gpm), the District has decided the pump station can operate efficiently with Pumps 2 & 3 only and has taken the pump out of service.

**RESERVOIRS AND TANKS**

With the exception of Forebay, all tanks and reservoirs are currently in normal operation. However, there are some issues that need to be addressed in the near future.

- Dunlap tank is a bolt together, galvanized tank with a life expectancy of 25 years. The tank is currently 19 years old and has high level of corrosion on the interior due to the high levels of iron and manganese that comes from the horizontal well water. The District used the tank to blend the horizontal well water until May of 2019 when the SWRCB directed us to stop that practice and only use the well water for agricultural purposes. Repair or replacement of the tank needs to occur. The District will seek information on all options available to make an informed decision as to what the best course of action will be.
- Eastside Tank was inspected and cleaned in May of 2019. The exterior of the tank was found to be in good condition with a few minor repairs. The interior of the tank, however, was found to be in extremely poor condition and was recommended to be recoated within the next three years. The tank should be re-inspected in 2022.
- Tank 1 was inspected and cleaned in 2019 and found to be in good condition. The exterior of the tank is in good condition. The interior of the tank is in good condition as

well. The

- Tank 8 was also inspected and cleaned in May of 2019. The exterior is in good condition with a small roof repair needed. The tank exterior should be recoated within the next 3-5 years. The interior of the tank was found to be in poor condition and was recommend to be recoated within the next three years. The tank should be re-inspected in 2022.
- Perricone Tank was last inspected and cleaned in April of 2018. The interior and exterior of the tank was recoated in 2016. The exterior of the tank was found to be in very good condition. The interior of the tank was found to be in overall good condition. There are a few minor areas of corrosions that can be fixed to mitigate any serious damage. This tank should be re-inspected in 2021 and repairs to the existing corrosion will be completed.
- Zone 4 Tank was inspected and cleaned in January of 2019 and was found to be in very good condition. Both the interior and exterior showed little signs of corrosion. The tank should be reinspected in 2022.
- McNally 1 Tank was last inspected and cleaned in 2016. The interior of the tank was found to be in fair-good condition with a few spots needing repair, which were completed at that time. The tank is due for inspection in 2021. The exterior of McNally 1 is in fair condition. The interior and exterior of this tank should be recoated in the next 3-5 years. The tank is due for inspection in the next fiscal year.
- McNally 2 Tank was inspected and cleaned in June 2019. The exterior of the tank is in fair condition and should be recoated in the next 3-5 years. The interior of the tank is in fair condition. The area above the waterline has corrosion issues that should be closely monitored and may dictate the recoating schedule. The tank should be re-inspected in 2022.
- Schoepe Tank is due for inspection; however, the Operations staff feels the tank is in poor condition.
- Forebay tank is under construction.

### **Bacteriological samples**

The Yuima and IDA distribution systems and all special raw water groundwater well bacteriological tests are taken on schedule and the District remains in compliance of all water quality standards.

### **Other required water quality testing**

### **DISTRICT OPERATIONS PERSONNEL**

There are no work limitations to the District's Operations and Maintenance Staff at the present time.

## **OTHER PROJECTS AND PROGRAMS**

### ***SCADA – Phase 2 Upgrade***

The SCADA upgrade was completed in early September. Tran Controls continues to work out a few minor needed adjustments but the system is in excellent operation.

Tran Controls continues to work with the Operations Staff and the Contractor on tying in all necessary components at the Forebay System and also making minor changes.

### ***CWA Emergency Storage Project (ESP) Valley Center MWD / Yuima MWD Inter-tie***

The ESP team selected a firm to design the ESP connection from CWA to Yuima. This project is scheduled to be completed in March of 2021.

### ***Rincon Ranch Road Pipeline Replacement***

Currently TKE is working on the design specs and developing a bid package to go out to bid.

### **Safety Programs and Training**

All scheduled trains have been postponed due to the COVID-19 crisis. All member agencies are communicating and working conjunctively to find alternative training options. Staff is using the available free online training provided by JPIA but some trainings must be taken in a live class.

### **Water Meters and Services**

#### ***Meter Replacements, Downsizing and Removals***

Staff is working on meter replacements on an as needed basis. The District is currently experiencing a significant pressure flocculation on North Mesa that keeps blowing meter gaskets on two services. Both of these meter services have a large amount of customer planted vegetation that has overgrown the service lines and the roots of the fallen tree are also interfering with the meter service. The District is working to permanently resolve this issue.



**Yuima Municipal Water District - Production/Consumption Report**

YUIMA GENERAL DISTRICT			FISCAL		CALENDAR	
Produced and Purchased Water	Jul-20	Jun-20	2020-21	2019-20	2020	2019
20-2009 IDA	0.0	0.0	0.0	0.3	0.0	0.3
10-1009 SDCWA	613.9	539.4	613.9	4684.7	1959.2	4411.1
10-1001 SCHOEPE	12.2	16.4	12.2	109.1	88.5	66.5
<b>Total Produced and Purchased</b>	<b>626.1</b>	<b>555.8</b>	<b>626.1</b>	<b>4794.0</b>	<b>2047.7</b>	<b>4477.9</b>
<b>Consumption</b>						
Back of Book 01 CUSTOMERS GENERAL DISTRICT	250.5	233.1	250.5	2325.5	1010.6	2220.2
10-2100 TAP 1	132.0	128.7	132.0	1062.0	434.7	971.1
990 minus 20-2008 TAP 2	132.4	107.9	132.4	764.3	274.4	712.8
10-1200 TAP 3	91.1	92.1	91.1	678.6	328.7	616.9
<b>Total Consumption - Yuima</b>	<b>606.0</b>	<b>561.8</b>	<b>606.0</b>	<b>4830.5</b>	<b>2048.4</b>	<b>4521.0</b>
Storage Level Changes	-4.7	-3.2	-4.7	3.5	-1.4	-1.3
Slippage - Acre Feet	15.5	-9.2	15.5	-33.0	-2.1	-44.4
<b>Slippage %</b>	<b>2.5</b>	<b>-1.7</b>	<b>2.5</b>	<b>-0.7</b>	<b>-0.1</b>	<b>-1.0</b>
<b>IMPROVEMENT DISTRICT "A"</b>						
<b>Produced Strub Zone Wells</b>						
20-2012 RIVER WELL 12	19.1	23.3	19.1	172.1	110.1	146.5
20-2091 RIVER WELL 19A	44.9	46.3	44.9	389.5	202.2	391.2
20-2020 RIVER WELL 20A	25.1	42.9	25.1	285.2	176.9	241.7
20-2025 RIVER WELL 25	28.9	33.9	28.9	241.2	161.9	173.9
20-2022 FAN WELL 22	15.6	21.5	15.6	190.5	99.3	146.2
<b>Total Produced Strub Zone Wells</b>	<b>133.6</b>	<b>167.9</b>	<b>133.6</b>	<b>1278.5</b>	<b>750.4</b>	<b>1099.5</b>
<b>Produced Fan Wells</b>						
20-2007 WELL 7A	0.0	0.1	0.0	26.4	0.2	27.9
20-2000 WELL 10	0.0	0.0	0.0	6.3	0.0	6.7
20-2014 WELL 14	32.1	28.3	32.1	186.9	103.0	149.7
20-2017 WELL 17	16.5	16.7	16.5	48.0	39.4	34.6
20-2018 WELL 18	4.0	1.9	4.0	52.1	10.6	58.2
20-2023 WELL 23	5.7	6.0	5.7	40.7	20.6	32.4
20-2024 WELL 24	8.8	12.8	8.8	84.5	40.6	70.5
20-2029 WELL 29	10.3	5.6	10.3	82.3	24.2	89.6
20-20410-500 HORIZONTAL WELLS	9.4	11.1	9.4	202.9	107.7	173.9
Code K Usage WELL USE AGREEMENTS ("K")	27.1	28.1	27.1	193.9	115.7	151.5
<b>Total Produced Fan Wells</b>	<b>113.9</b>	<b>110.6</b>	<b>113.9</b>	<b>923.8</b>	<b>462.0</b>	<b>795.1</b>
<b>Total Produced Strub and Fan Wells</b>	<b>247.5</b>	<b>278.5</b>	<b>247.5</b>	<b>2202.3</b>	<b>1212.4</b>	<b>1894.7</b>
<b>Purchased Water</b>						
10-2100 TAP 1	132.0	128.7	132.0	1062.0	302.7	971.1
990 minus 20-2008 TAP 2	132.4	107.9	132.4	764.3	142.0	712.8
10-1200 TAP 3	91.1	92.1	91.1	678.6	237.6	616.9
<b>Total Purchased Water</b>	<b>355.5</b>	<b>328.7</b>	<b>355.5</b>	<b>2505.0</b>	<b>682.3</b>	<b>2300.8</b>
<b>Total Produced and Purchased</b>	<b>603.0</b>	<b>607.2</b>	<b>603.0</b>	<b>4707.3</b>	<b>1894.7</b>	<b>4195.5</b>
<b>Consumption</b>						
Back of Book 02 CUSTOMERS IDA	584.0	580.5	584.0	4401.8	2090.0	3893.9
Interdepartmental to Y			0.0	0.7	0.4	0.3
<b>Total Consumption - IDA</b>	<b>584.0</b>	<b>580.5</b>	<b>584.0</b>	<b>4402.5</b>	<b>2090.4</b>	<b>3894.1</b>
Storage Level Changes	0.6	-3.9	0.6	2.0	0.8	-1.6
Slippage - Acre Feet	19.6	22.8	19.6	306.8	-195.0	299.7
<b>Slippage %</b>	<b>3.3</b>	<b>3.8</b>	<b>3.3</b>	<b>6.5</b>	<b>-10.3</b>	<b>7.1</b>
<b>Combined General District and IDA</b>						
PRODUCED YUIMA	626.1	555.8	626.1	4794.0	2047.7	4477.9
PRODUCED IDA	247.5	278.5	247.5	2202.3	1212.4	1894.7
<b>Total Produced and Purchased</b>	<b>873.6</b>	<b>834.3</b>	<b>873.6</b>	<b>6996.4</b>	<b>3260.2</b>	<b>6372.6</b>
<b>Consumption</b>	<b>834.5</b>	<b>813.6</b>	<b>834.5</b>	<b>6727.3</b>	<b>3100.6</b>	<b>6114.0</b>
Storage Level Changes	-4.0	-7.1	-4.0	5.5	-0.7	-2.9
Slippage - Acre Feet	35.1	13.6	35.1	273.9	-197.1	255.3
<b>Slippage %</b>	<b>4.0</b>	<b>1.6</b>	<b>4.0</b>	<b>3.9</b>	<b>-6.0</b>	<b>4.0</b>

**Notes:**

Forebay Construction Meter Waste .85 acft  
 CWA adjusted by 5.38 acft - read at 3:45

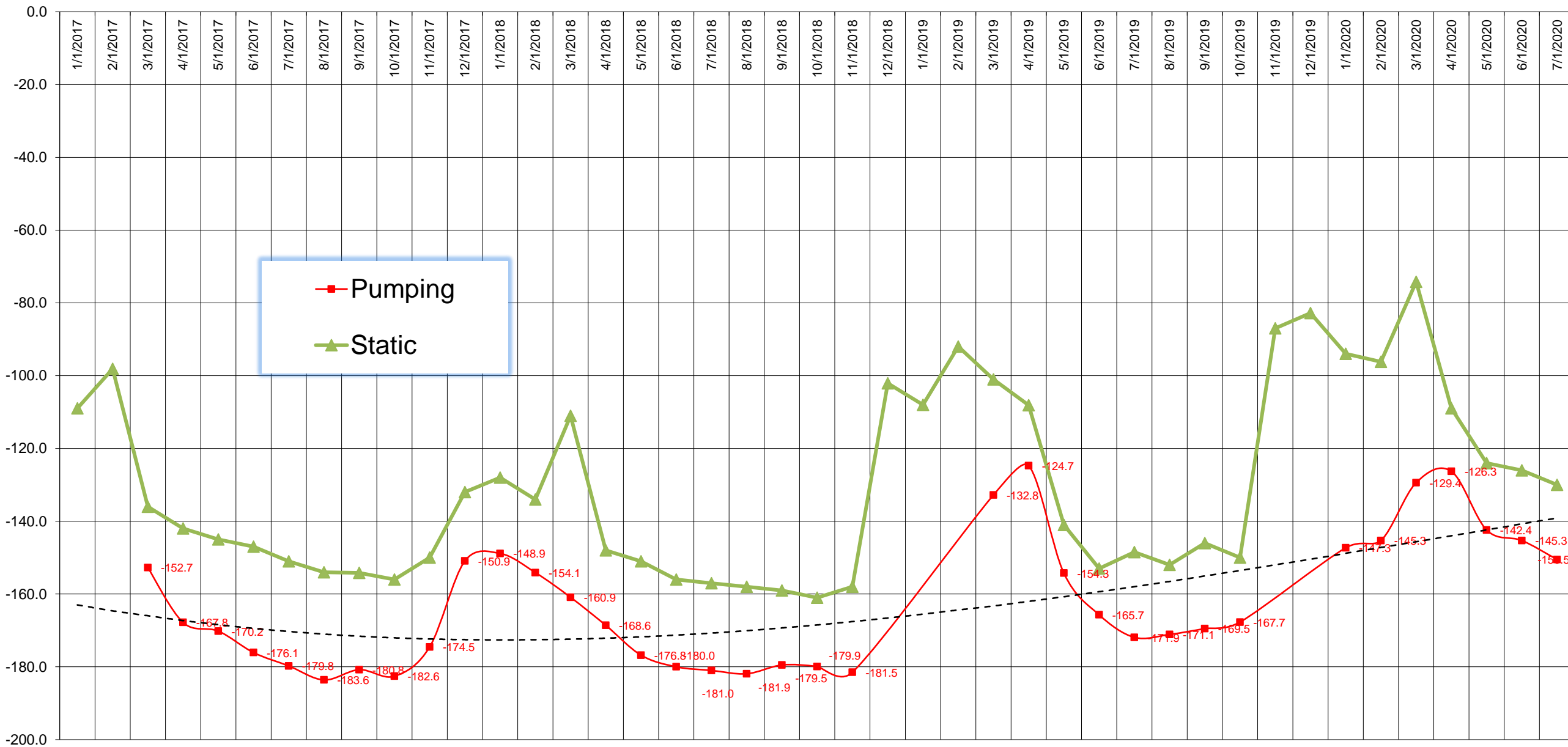
**Yuima Municipal Water District - Production/Consumption Report**

YUIMA GENERAL DISTRICT			FISCAL		CALENDAR	
	Aug-20	Jul-20	2020-21	2019-20	2020	2019
<b>Produced and Purchased Water</b>						
20-2009 IDA	0.0	0.0	0.0	0.3	0.0	0.3
10-1009 SDCWA	822.9	613.9	1436.8	4684.7	2782.1	4411.1
10-1001 SCHOEPE	13.2	12.2	25.4	109.1	101.7	66.5
<b>Total Produced and Purchased</b>	<b>836.1</b>	<b>626.1</b>	<b>1462.2</b>	<b>4794.0</b>	<b>2883.8</b>	<b>4477.9</b>
<b>Consumption</b>						
CUSTOMERS GENERAL DISTRICT	366.1	250.5	616.6	2325.5	1376.7	2220.2
10-2100 TAP 1	174.3	132.0	306.3	1062.0	609.0	971.1
990 minus 20-2008 TAP 2	197.9	132.4	330.3	764.3	472.3	712.8
10-1200 TAP 3	98.7	91.1	189.8	678.6	427.4	616.9
<b>Total Consumption - Yuima</b>	<b>837.0</b>	<b>606.0</b>	<b>1443.0</b>	<b>4830.5</b>	<b>2885.4</b>	<b>4521.0</b>
Storage Level Changes	1.7	-4.7	-2.9	3.5	0.3	-1.3
Slippage - Acre Feet	<b>0.8</b>	<b>15.5</b>	16.3	-33.0	-1.3	-44.4
<b>Slippage %</b>	<b>0.1</b>	<b>2.5</b>	<b>1.1</b>	<b>-0.7</b>	<b>0.0</b>	<b>-1.0</b>
<b>IMPROVEMENT DISTRICT "A"</b>						
<b>Produced Strub Zone Wells</b>						
20-2012 RIVER WELL 12	22.6	19.1	41.7	172.1	132.7	146.5
20-2091 RIVER WELL 19A	48.5	44.9	93.4	389.5	250.7	391.2
20-2020 RIVER WELL 20A	33.8	25.1	58.9	285.2	210.7	241.7
20-2025 RIVER WELL 25	32.4	28.9	61.3	241.2	194.3	173.9
20-2022 FAN WELL 22	16.6	15.6	32.2	190.5	115.9	146.2
<b>Total Produced Strub Zone Wells</b>	<b>153.9</b>	<b>133.6</b>	<b>287.5</b>	<b>1278.5</b>	<b>904.3</b>	<b>1099.5</b>
<b>Produced Fan Wells</b>						
20-2007 WELL 7A	0.6	0.0	0.6	26.4	0.8	27.9
20-2000 WELL 10	1.4	0.0	1.4	6.3	1.4	6.7
20-2014 WELL 14	29.9	32.1	62.0	186.9	132.9	149.7
20-2017 WELL 17	11.7	16.5	28.2	48.0	51.1	34.6
20-2018 WELL 18	11.1	4.0	15.1	52.1	21.7	58.2
20-2023 WELL 23	5.0	5.7	10.7	40.7	25.6	32.4
20-2024 WELL 24	12.7	8.8	21.5	84.5	53.3	70.5
20-2029 WELL 29	15.0	10.3	25.3	82.3	39.2	89.6
20-20410-500 HORIZONTAL WELLS	10.8	9.4	20.2	202.9	118.5	173.9
Code K Usage WELL USE AGREEMENTS ("K")	26.9	27.1	54.0	193.9	142.6	151.5
<b>Total Produced Fan Wells</b>	<b>125.1</b>	<b>113.9</b>	<b>239.0</b>	<b>923.8</b>	<b>587.1</b>	<b>795.1</b>
<b>Total Produced Strub and Fan Wells</b>	<b>279.0</b>	<b>247.5</b>	<b>526.5</b>	<b>2202.3</b>	<b>1491.4</b>	<b>1894.7</b>
<b>Purchased Water</b>						
10-2100 TAP 1	174.3	132.0	306.3	1062.0	609.0	971.1
990 minus 20-2008 TAP 2	197.9	132.4	330.3	764.3	472.3	712.8
10-1200 TAP 3	98.7	91.1	189.8	678.6	427.4	616.9
<b>Total Purchased Water</b>	<b>470.9</b>	<b>355.5</b>	<b>826.4</b>	<b>2505.0</b>	<b>1508.7</b>	<b>2300.8</b>
<b>Total Produced and Purchased</b>	<b>749.9</b>	<b>603.0</b>	<b>1352.9</b>	<b>4707.3</b>	<b>3000.1</b>	<b>4195.5</b>
<b>Consumption</b>						
CUSTOMERS IDA	714.6	584.0	1298.6	4401.8	2804.6	3893.9
Interdepartmental to Y			0.0	0.7	0.4	0.3
<b>Total Consumption - IDA</b>	<b>714.6</b>	<b>584.0</b>	<b>1298.6</b>	<b>4402.5</b>	<b>2805.0</b>	<b>3894.1</b>
Storage Level Changes	-0.6	0.6	0.0	2.0	0.8	-1.6
Slippage - Acre Feet	<b>34.7</b>	<b>19.6</b>	<b>54.3</b>	<b>306.8</b>	<b>195.9</b>	<b>299.7</b>
<b>Slippage %</b>	<b>4.6</b>	<b>3.3</b>	<b>4.0</b>	<b>6.5</b>	<b>6.5</b>	<b>7.1</b>
<b>Combined General District and IDA</b>						
PRODUCED YUIMA	836.1	626.1	1462.2	4794.0	2883.8	4477.9
PRODUCED IDA	279.0	247.5	526.5	2202.3	1491.4	1894.7
<b>Total Produced and Purchased</b>	<b>1115.1</b>	<b>873.6</b>	<b>1988.7</b>	<b>6996.4</b>	<b>4375.3</b>	<b>6372.6</b>
<b>Consumption</b>	<b>1080.7</b>	<b>834.5</b>	<b>1915.2</b>	<b>6727.3</b>	<b>4181.3</b>	<b>6114.0</b>
Storage Level Changes	1.1	-4.0	-2.9	5.5	1.1	-2.9
Slippage - Acre Feet	35.5	35.1	70.6	273.9	194.6	255.3
Slippage %	3.2	4.0	3.6	3.9	4.4	4.0

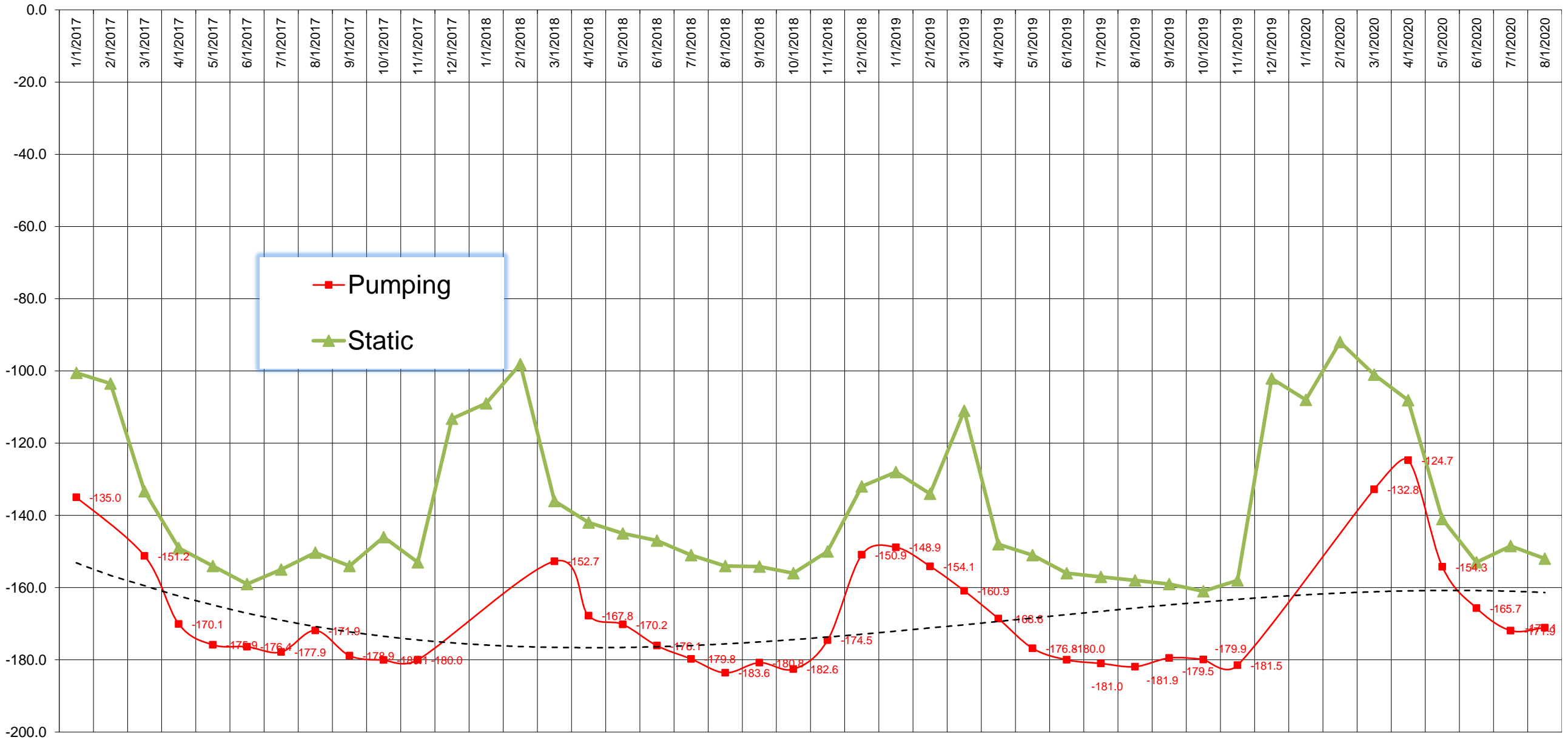
**Notes:**

Mainline Break 7/30/2020

**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 July, 2020) 2017-Current**



**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 August, 2020) 2017-Current**

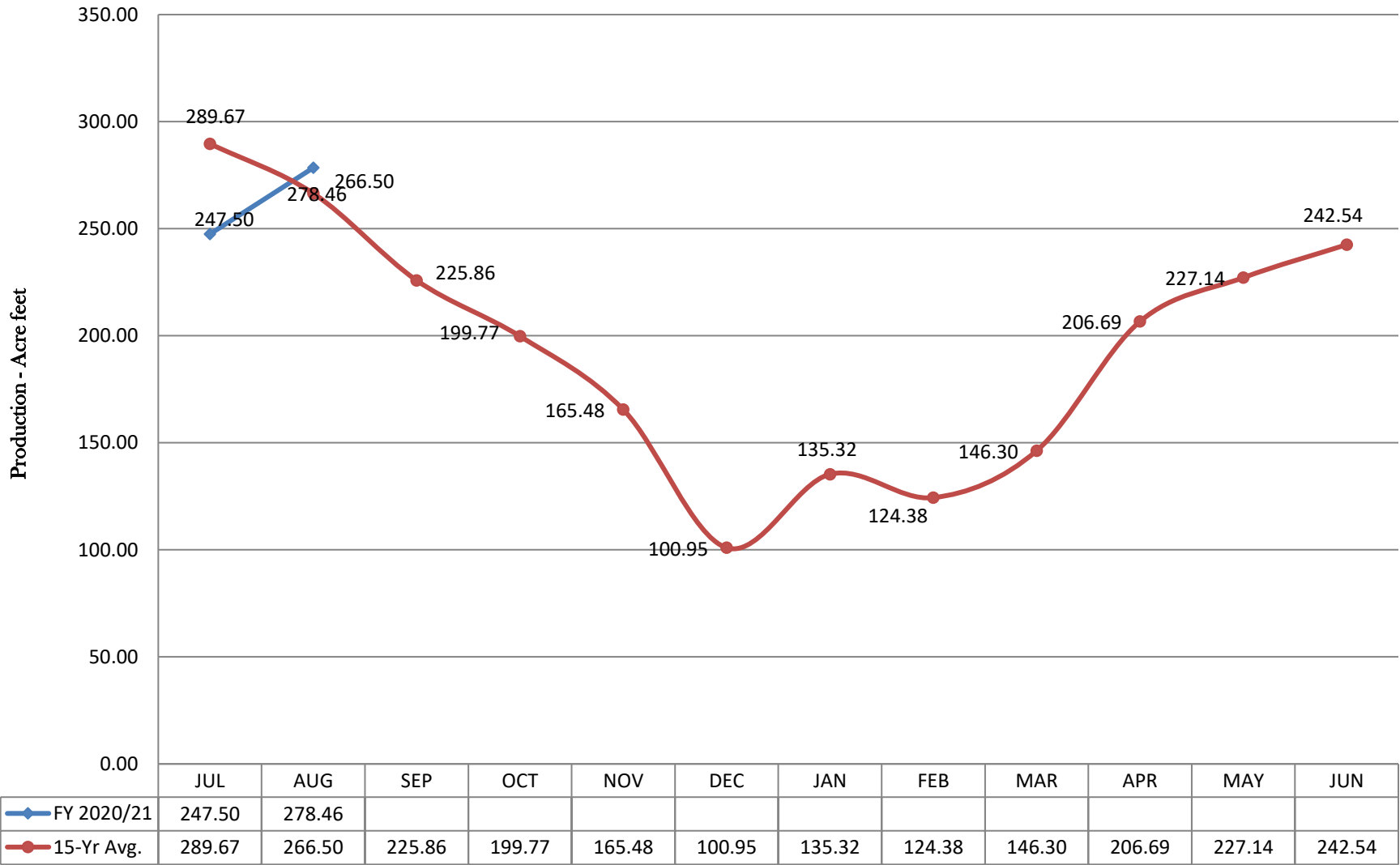


Yuima Municipal Water District  
 Monthly Production from District-Owned Wells  
 in Acre-feet Updated July, 2020



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
FY 2020/21	247.50											
15-Yr Avg.	289.67	247.94	225.86	199.77	165.48	100.95	135.32	124.38	146.30	206.69	227.14	242.54

Yuima Municipal Water District  
 Monthly Production from District-Owned Wells  
 in Acre-feet Updated August, 2020











# YUIMA MUNICIPAL WATER DISTRICT

## REPORT OF DISTRICT WATER PURCHASED AND PRODUCED

	Month Comparative One (1) Year Ago			Fiscal Year to Date Comparatives		
	Jul-20	Jul-19	%CHANGE	2020/21	2019/20	%CHANGE
LOCAL SUPPLY	259.7	325.5	-20.2%	259.7	325.5	-20.2%
AUTHORITY	613.9	767.0	-20.0%	613.9	767.0	-20.0%
TOTAL PRODUCED & PURCHASED	873.6	1092.5	-20.0%	873.6	1092.5	-20.0%
CONSUMPTION	834.5	627.8	32.9%	834.5	627.8	32.9%
% LOCAL	29.7%	29.8%	-0.1%	29.7%	29.8%	-0.1%
%AUTHORITY	70.3%	70.2%	0.1%	70.3%	70.2%	0.1%

### FISCAL YEAR ENDING JUNE 30 COMPARATIVES

	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
LOCAL SUPPLY	2311.7	1688.5	2107.5	2058.1	2334.3	2726.6	3145.7	4199.9	4353.8	3356.5	2858.8	3729.7	2583.6	4060.1
AUTHORITY SUPPLY	4684.7	4819.6	4780.9	4470.6	3621.1	4468.4	4596.1	2149.3	1183.6	1617.7	2521.8	2347.0	3719.8	3573.5
TOTAL PRODUCED & PURCHASED	6996.4	6508.1	6888.4	6528.7	5955.4	7195.0	7744.8	6349.2	5537.4	4974.2	5380.6	6076.7	6303.4	7633.6
CONSUMPTION	6727.3	6351.1	6629.8	6379	5887.8	7175.6	7591.1	6310.3	5486.9	4959.0	5310.8	5909.0	6088.3	7380.5
% LOCAL	33.0%	25.9%	30.6%	31.5%	39.2%	37.9%	40.6%	66.1%	78.6%	67.5%	53.1%	61.4%	41.0%	53.2%
% AUTHORITY	67.0%	74.1%	69.4%	68.5%	60.8%	62.1%	59.4%	33.9%	21.4%	32.5%	46.9%	38.6%	59.0%	46.8%

# YUIMA MUNICIPAL WATER DISTRICT

## REPORT OF DISTRICT WATER PURCHASED AND PRODUCED

	Month Comparative One (1) Year Ago			Fiscal Year to Date Comparatives		
	Aug-20	Aug-19	%CHANGE	2020/21	2019/20	%CHANGE
LOCAL SUPPLY AUTHORITY	292.2	257.3	13.6%	551.9	582.8	-5.3%
TOTAL PRODUCED & PURCHASED	1115.1	1002.2	11.3%	1988.7	2094.7	-5.1%
CONSUMPTION	1080.7	966.0	11.9%	1915.2	2026.6	-5.5%
% LOCAL	26.2%	25.7%	0.5%	27.8%	27.8%	-0.1%
%AUTHORITY	73.8%	74.3%	-0.5%	72.2%	72.2%	0.1%

### FISCAL YEAR ENDING JUNE 30 COMPARATIVES

	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
LOCAL SUPPLY	2311.7	1688.5	2107.5	2058.1	2334.3	2726.6	3145.7	4199.9	4353.8	3356.5	2858.8	3729.7	2583.6	4060.1
AUTHORITY SUPPLY	4684.7	4819.6	4780.9	4470.6	3621.1	4468.4	4596.1	2149.3	1183.6	1617.7	2521.8	2347.0	3719.8	3573.5
TOTAL PRODUCED & PURCHASED	6996.4	6508.1	6888.4	6528.7	5955.4	7195.0	7744.8	6349.2	5537.4	4974.2	5380.6	6076.7	6303.4	7633.6
CONSUMPTION	6727.3	6351.1	6629.8	6379	5887.8	7175.6	7591.1	6310.3	5486.9	4959.0	5310.8	5909.0	6088.3	7380.5
% LOCAL	33.0%	25.9%	30.6%	31.5%	39.2%	37.9%	40.6%	66.1%	78.6%	67.5%	53.1%	61.4%	41.0%	53.2%
% AUTHORITY	67.0%	74.1%	69.4%	68.5%	60.8%	62.1%	59.4%	33.9%	21.4%	32.5%	46.9%	38.6%	59.0%	46.8%





# RAINFALL RECORD 2020/2021 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													
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8													
9													
10													
11													
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28													
29													
30													
31													
<b>TOTALS</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TOTAL YEAR 0.00
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
2019/2020	0.00	0.00	0.30	0.00	4.17	2.46	0.17	0.64	5.39	5.96	0.03	0.20	19.32
<b>33 Year Average</b>	0.13	0.18	0.34	0.74	1.38	2.40	3.18	3.67	2.52	1.44	0.47	0.13	16.58

# RAINFALL RECORD 2020/2021 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													
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21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TOTAL YEAR 0.00
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
2019/2020	0.00	0.00	0.30	0.00	4.17	2.46	0.17	0.64	5.39	5.96	0.03	0.20	19.32
33 Year Average	0.13	0.18	0.34	0.74	1.38	2.40	3.18	3.67	2.52	1.44	0.47	0.13	16.58

# RAINFALL RECORD 2020/2021 - 3200 Block of Rincon Ranch Road

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

	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	
1													
2													
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26													
27													
28													
29													
30													
31													TOTAL YEAR
TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
2019-2020	0.00	0.00	0.45	0.00	6.60	5.25	0.70	1.25	5.60	6.95	0.00	0.50	27.30
33 Year Average	0.14	0.19	0.38	0.97	1.78	2.88	3.99	4.32	3.04	1.81	0.76	0.18	20.45



# RAINFALL RECORD 2020/2021 - 3200 Block of Rincon Ranch Road

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

	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	
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28													
29													
30													
31													TOTAL YEAR
TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
2019-2020	0.00	0.00	0.45	0.00	6.60	5.25	0.70	1.25	5.60	6.95	0.00	0.50	27.30
33 Year Average	0.14	0.19	0.38	0.97	1.78	2.88	3.99	4.32	3.04	1.81	0.76	0.18	20.45

**YUIMA MUNICIPAL WATER DISTRICT  
DELINQUENT ACCOUNTS LISTING  
9/21/2020**

<b>YUIMA</b>		
<u>ACCOUNT NUMBER</u>	<u>PAST DUE AMOUNT</u>	<u>ACTION</u>
01-0951-04	584.35	Notice
01-1036-00	314.99	Notice
01-1041-00	48.24	Notice
	<b>\$ 947.58</b>	

<b>IDA</b>		
<u>ACCOUNT NUMBER</u>	<u>PAST DUE AMOUNT</u>	<u>ACTION</u>
02-2236-02	1,051.16	Notice
02-2471-04	116.03	Notice
02-2984-09	369.86	Arrangement
02-3137-00	51.73	Notice
02-3354-02	310.25	Notice
02-4190-03	68.07	Notice
02-6500-00	4,246.92	Notice
02-6657-00	713.06	Notice
02-7125-00	640.48	Notice
02-7248-02	693.76	Notice
02-7249-01	1,105.65	Notice
	<b>\$ 9,366.97</b>	

**LIENS FILED**

\_\_\_\_\_  
\_\_\_\_\_

**LIENS FILED / TRANSFERRED TO TAX ROLL**

\_\_\_\_\_  
\_\_\_\_\_

VI.  
OTHER BUSINESS

## Directions for Board Meeting via Videoconference

If you would like to participate in the meeting please email Carmen Rodriguez at [carmen@yuimamwd.com](mailto:carmen@yuimamwd.com) a password request by 12:00 p.m. on Monday, September 28, 2020.

Public Comments need to be received via email to [carmen@yuimamwd.com](mailto:carmen@yuimamwd.com) by Monday, September 28, 2020 at 1:45 p.m. to

To download on your Phone.

1. Install the Zoom application (iPhone users to download through the App Store, Android users download through Google Play) on your phone.
2. Click on join Meeting
3. Enter Meeting Number – **760 742 3704**
4. *Please enter password – provided by Carmen Rodriguez at Yuima MWD*
5. Click the Join button

Using Zoom on your PC or laptop.

1. Please go to zoom.com
2. Click Join Meeting
3. Enter Meeting ID number- **760 742 3704**
4. *Please enter password – provided by Carmen Rodriguez at Yuima MWD*
5. Click the Join button