



CASTROVILLE COMMUNITY SERVICES DISTRICT

P.O. BOX 1065
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CASTROVILLE, CA 95012
FAX (831) 633-3103

President – Adriana Melgoza
Vice President – James R. Cochran
Director – Glenn Oania
Director – Ron Stefani
Director – Cosme Padilla

24-HOUR TELEPHONE: (831) 633-2560

General Manager – Eric Tynan
Board Secretary – Lidia Santos

Website: CastrovilleCSD.org

AGENDA REGULAR MEETING OF THE BOARD OF DIRECTORS TUESDAY, SEPTEMBER 15, 2020 – 4:30 P.M. DISTRICT BOARD ROOM – 11499 GEIL STREET

In compliance with the Americans with Disabilities Act, if special assistance is needed to participate in the Board meeting, please contact Lidia Santos, Board Secretary during regular business hours at (831) 633-2560. Notification received 48 hours before the meeting will enable the District to make reasonable accommodations.

On March 12, 2020, Governor Newsom issued Executive Order N-25-20, which enhances State and Local Governments' ability to respond to COVID-19 Pandemic based on Guidance for Gatherings issued by the California Department of Public Health. The Executive Order specifically allows local legislative bodies to hold meetings via teleconference and to make meetings accessible electronically, in order to protect public health. In light of this, the September 15, 2020 meeting of the Castroville CSD Board will be held via GoToMeeting conference. There will be NO physical location of the meeting. The public is strongly encouraged to use the GoToMeeting app for best reception. Due to the current circumstances, there may be limited opportunity to provide verbal comments during the meeting. Persons who wish to address the Board for public comment or on an item on the agenda are encouraged to submit comments in writing to Castroville CSD at Lidia@castrovillecsd.org by 5:00 p.m. on Monday, September 14, 2020; such comments will be distributed to the Castroville CSD Board before the meeting. Members of the public participating by GoToMeeting are instructed to be on mute during the proceedings and to speak only when public comment is allowed, after requesting and receiving recognition from the Chair. Prior to the meeting, participants should download the GoToMeeting app at: <https://global.gotomeeting.com/install/261710637>. If you're joining through your smart phone download the GoToMeeting app from your app store. Please join the Castroville CSD Board meeting from your computer, tablet or smartphone. <https://www.gotomeeting.com/join/261710637>. You can also dial in using your phone. United States: +1 (872) 240-3311. Access Code: 261-710-637.

CALL MEETING TO ORDER

ROLL CALL

PLEDGE OF ALLEGIANCE

ADDITIONS OR CORRECTIONS TO THE AGENDA

PUBLIC COMMENTS – (Limited to three minutes per speaker within the jurisdiction of items not on the agenda. Public will have the opportunity to ask questions or make statements as the Board addresses each agenda item.)

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CONSENT CALENDAR:

1. Approve the Draft Minutes of the Regular Board Meeting of August 18, 2020 – **motion item**

CORRESPONDENCE:

1. None

INFORMATIONAL ITEMS:

1. Request to DFA-TArequest@waterboards.ca.gov to have CRWA come out to the system and perform a smoke test to see if any illegal connections are tied to Castroville CSD collection system.
2. *AWWA-Opflow* – Walkerton , E. Coli Outbreak: 20 Years Later
3. Salinas Valley Basin GSA Engagement with Disadvantaged Communities (Stakeholder Interview Guide).
4. www.ghd.com – PFAS: Eight things to expect in 2020
5. Moss Landing Coastal Climate Change Vulnerability Report from pages 41 & 44
6. Public Service Ethics Education Certificate completed by Eric Tynan
7. Monterey Herald – Letter to the Editor: Thank you Castroville and Water 'Straight Talk'

PRESENTATION:

1. None

NEW BUSINESS:

1. Proposed 68 unit farm worker housing to be constructed for Driscoll on Scattini property located at the western end of Union Street – Eric Tynan, General Manager
2. 18 unit Thistle Manor Apartments being constructed by Ausonio Construction for Aladin Properties located at 11299 Haight Street – Eric Tynan, General Manager
3. Consider changing banks from Mechanics Bank to Chase Bank for the general fund and customer fund accounts due to better banking options – **motion item**
4. The California Coastal Commission staff report recommends denial of the permit needed by Cal Am for the Monterey Peninsula Water Supply Project - Eric Tynan, General Manager

UNFINISHED BUSINESS:

1. Status of well levels - Eric Tynan, General Manager
2. Update on status of grants for Moss Landing-Sewer Zone 3, Castroville-Sewer Zone 1 and Castroville-Water Zone 1 for system upgrades and improvements – Eric Tynan, General Manager
3. Update on the Washington Sewer Trunk Line Bypass 30% Design – Eric Tynan, General Manager
5. Update on Cal Trans Merritt//SR183 Castroville Multimodal Community Enhancement Project – Eric Tynan, General Manager

BOARD OF DIRECTORS COMMUNICATION: When needed, this time is reserved for the Board of Directors to communicate activity, educational classes, and/or Committee reports.

1. Update on Monterey One Water board meeting – Director Ron Stefani and General Manager Eric Tynan

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2. Update on the Salinas Valley Basin Groundwater Sustainability Agency – Director Ron Stefani
3. Update on other meetings/educational classes attended by Castroville CSD Directors.

GENERAL OPERATIONS:

1. **General Manager's Report** – Compliance Update, Current Projects Update, Seminars Update, Staff Update, Suggestive Projects Discussions
2. **Operation's Report**
 - a) Water – Pumpage & Usage Update, Water Testing Update, Current Installation
 - b) Status Update, Current Contractor Work Update, Maintenance/Repair Update, Customer Service Update, Safety Issues
 - c) Sewer & Storm Drain – Jetting, Current Installation Status Update, Current Contractor Work Update, Maintenance/Repair Update, Customer Service Update, Safety Issues
3. **Customer/Billing Reports** – A/R Update, Water Sales, Water Usage
4. **Financial Reports** – Treasures Report-L.A.I.F., Quarterly Financial Statements**Internal Report** and Administration Update

CHECK REGISTER – Receive and file the Check Register for the month of August 2020 – **motion item**

ITEMS FOR NEXT MONTHS AGENDA: Tuesday, October 20, 2020 at 4:30 p.m.
CLOSE:

Adjournment to the next regular scheduled Board Meeting – **motion item**

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 11499 Geil Street, Castroville, California.

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Certification of Posting

I certify that on September 11, 2020, I posted a copy of the foregoing agenda near the regular meeting place of the Board of Directors of the Castroville Community Services District, said time being at least 72 hours in advance of the meeting of the Board of Directors (Government Code Section 54954.2).

Executed at Castroville, California, on September 11, 2020.

Lidia Santos, Board Secretary

THE OFFICIAL MINUTES OF THE REGULAR BOARD MEETING OF
CASTROVILLE COMMUNITY SERVICES DISTRICT
August 18, 2020

President Adriana Melgoza called the meeting to order at 4:30 p.m.

ROLL CALL:

Directors Present (Virtual GoToMeeting): President Adriana Melgoza, Vice President James Cochran, Director Cosme Padilla, Director Ron Stefani and Director Glenn Oania

Absent:

General Manager: Eric Tynan

Secretary to the Board: Lidia Santos

Staff Present:

Guest: Director Grant Leonard of North County Recreation & Park District joined the meeting at 4:36 p.m.

PLEDGE OF ALLEGIANCE

The pledge of allegiance was led by Cosme Padilla at the request of President Adriana Melgoza.

PUBLIC COMMENTS

1. None

CONSENT CALENDAR

1. A motion was made by Glenn Oania and seconded by Ron Stefani to approve the minutes of the July 21, 2020 Regularly Scheduled Board Meeting. The motion carried by the following roll call vote:

AYES:	5	Directors:	Melgoza, Stefani, Padilla, Oania and Cochran
NOES:	0	Directors:	
ABSENT/NOT			
PARTICIPATING:	0	Directors:	

Consent Calendar accepted as presented

CORRESPONDENCE:

1. Letter to California Coastal Commission from Castroville CSD encouraging the California Coastal Commission to support the Coastal Development Permit for California American Water Company's proposed desalination facility.
2. Letter from Salinas Valley Basin Groundwater Sustainability Agency, General Manager Donna Meyers to Castroville CSD that they will be collecting groundwater elevation data on Castroville CSD's wells from the Monthly Well Monitoring Program administered by the Monterey County Water Resources Agency.

Correspondence Calendar accepted as presented

INFORMATIONAL ITEMS:

1. *Monterey Herald* – Who deserves the “return water”
2. Letter sent to the *Monterey Herald* editor from General Manager Eric Tynan in response to article on Who deserves the “return water”
3. Lead Operator Galvez and Operator II Varela Certificate of Completion for “Water Industry Water Main Installation”
4. General Manager Tynan Certificate of Completion for “Reasonable Suspicion of Alcohol for Supervisors”

Informational items accepted as presented

PRESENTATIONS:

1. None

NEW BUSINESS:

1. General Manager Eric Tynan to serve as a committee member on the Sea Water Intrusion Group (SWIG) – General Manager Eric Tynan informed the Board that he has been asked to serve as a committee member on the Sea Water Intrusion Group (SWIG) and has accepted. The Castroville CSD Board supported him serving on this committee.
2. General Manger Eric Tynan to serve as a committee member on the Monterey County Water Resources Agency, Deep Aquifer Technical Advisory Committee – General Manager Eric Tynan informed the Board that he will also be serving as a committee member on the Monterey County Water Resources Agency, Deep Aquifer Technical Advisory Committee. The Castroville CSD Board also supported him serving on this committee.
3. Approval of Castroville CSD Destruction Certificate #2020-1 as retention periods for the listed records on certificate have expired – Office Manager/Board Secretary Lidia Santos reported to the Board that the retention period for the listed records on Castroville CSD Destruction Certificate #2020-1, which can be viewed on page 16 of this board packet have expired. Listed records would be shredded. A motion is made by Director Ron Stefani and seconded by James Cochran to approve Castroville CSD Destruction Certificate #2020-1 as retention periods for the listed records on certificate have expired. The motion carried by the following roll call vote:

AYES:	5	Directors:	Melgoza, Stefani, Padilla, Oania and Cochran
NOES:	0	Directors:	
ABSENT/NOT			
PARTICIPATING:	0	Directors:	

UNFINISHED BUSINESS:

1. Status of well levels – General Manager Eric Tynan informed the Board that the graph of well levels can be viewed on page 17 of this board packet. As mentioned at last month’s board meeting, the bad news is that Well #3 is turning salty. This well is located on Highway 183 and the only benefit of this well location is if the Monterey Peninsula Water Supply Project is approved, the supply line would plug in right where Well #3 is located. Well #3 was already sleeved in 2009 and in 2019 the District spent about 30k trying to rehabilitate it, which did drop the chloride levels from 570 mg/l to 430 mg/l. The chloride levels have once again escalated and he anticipates that Well #3 will turn salty within a year.
2. Update on status of grants for Moss Landing-Sewer Zone 3, Castroville-Sewer Zone 1 and Castroville-Water Zone 1 for system upgrades and improvements – General Manager Eric Tynan reported to the Board that the Moss Landing grant application is currently moving through State Water Resources Control Board management and is then being sent to their contracts unit in October, and then sent to Castroville CSD for signatures in December 2020 or January 2021. He is also working on acquiring a grant for the Sewer Trunk Line Washington Bypass project. Current funding efforts: Moss Landing sewer system improvements, Castroville emergency well replacement, Castroville water supply improvements and Castroville wastewater improvements.

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3. Update on Cal Am's Monterey Peninsula Water Supply Project (MPWSP) – General Manager Eric Tynan reported to the Board that the Coastal Commission hearing on Cal Am's Monterey Peninsula Water Supply project is scheduled for the 17th of September 2020. The Coastal Commission should be making a decision on this matter at this hearing. The Castroville CSD gets 10 minutes to speak and he would like to submit a video to the Coastal Commission voicing its support for desal and any concerns that Castroville CSD has as a severely disadvantage community. He recommended the Castroville CSD Board of Directors, community members as well as himself all participate in the video. The video will need to be submitted by the 11th of September. This is a very important meeting and Castroville CSD needs to convince the Coastal Commission to approve this project.
4. Progress Report on Design for Reservoir No. 4 Fill Modification Project – General Manager Eric Tynan let the Board know that the Design for Reservoir No. 4 Fill Modification is mostly complete. He is now looking for funding for actual construction of this project.
5. Update on the Washington Sewer Trunk Line Bypass 30% Design - General Manager Eric Tynan reported to the Board that the soil survey was completed by MNS Engineers. He is looking for another grant for this project and was informed by Karen Nilsen with Nilsen and Associates that she had possibly found a grant for this project.

BOARD OF DIRECTORS COMMUNICATION: When needed, this time is reserved for the Board of Directors to communicate activity, educational classes, and/or Committee reports.

1. Update on Monterey One Water board meeting – Director Ron Stefani reported to the Board that Monterey One Water (M1W) has received more bad news. A couple of fines have caught up with the agency and are due 2020/2021 fiscal year, which means more furloughs for employees. As mentioned at last month's board meeting, in other news, the update on the Pure One Water Monterey Project, it appears M1W will have to spend an additional 6.1 million on this project. M1W water is currently doing testing to see where the best location to drill a new injection well would be. The injection wells in place are not working as designed to do so. M1W will get funding for this well.
2. Update on Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) – Director Ron Stefani reported to the Board that the GSA has organized all the sub basin committees. He is part of the Monterey sub basin committee. Furthermore, all the committees are up and running and developing plans that are due by January 2022 to the State.
3. Update on meetings or educational classes attended by the Directors – Director Glenn Oania let the Board know that he had completed a Sexual Harassment training course online and is waiting to receive the certificate of completion so he may submit a copy to the District.

GENERAL OPERATIONS

1. General Manager's Report – Compliance update, current projects update, meetings/seminars update, staff update, suggestive projects discussions
2. Operation's Report
 - a) Water – Pumpage & Usage Update, Water Testing Update, Current Installation
 - b) Water -Status Update, Current Contractor Work Update, Maintenance/Repair Update, Customer Service Update, Safety Issue
 - c) Sewer & Storm Drain – Jetting, Current Installation Status Update, Current Contractor Work Update, Maintenance/Repair Update, Customer Service Update, Safety Issues
3. Customer /Billing Reports – Water Sales, Water Usage, A/R Update, Customer Service Update
4. Financial Reports – Treasures L.A.I.F. Report, Internal Report, Administration Update

General Operations Reports were accepted as presented

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CHECK LIST – July 2020. A motion was made by Glenn Oania and seconded by Ron Stefani to pay all bills presented. The motion carried by the following roll call vote:

AYES:	5	Directors:	Melgoza, Stefani, Oania, Padilla and Cochran
NOES:	0	Directors:	
ABSENT/NOT			
PARTICIPATING:	0	Directors:	

There being no further business, a motion was made by Glenn Oania and seconded by James Cochran to adjourn to the next scheduled Board meeting; the motion carried by the following roll call vote:

AYES:	5	Directors:	Melgoza, Stefani, Oania, Padilla and Cochran
NOES:	0	Directors:	
ABSENT/NOT			
PARTICIPATING:	0	Directors:	

The meeting adjourned at 5:08 p.m. until the next scheduled meeting

Respectfully submitted by,

Approved by,

Lidia Santos
Secretary to the Board

Adriana Melgoza
President

REQUEST FOR TECHNICAL ASSISTANCE

Instructions: If an item is not relevant or unknown, enter "N/A" or "unknown."

Please e-mail the completed form to: DFA-TArequest@waterboards.ca.gov

Date of Submittal: 8/20/2020

A. Community, System, or School Name: Castroville Community Services District

Public Water System ID No. (if applicable): 2710005 County: Monterey

Number of Service Connections: 2321 Service Area Population: 7,800

Type of Organization: [X] Municipal entity [] Private entity (Select one: [] nonprofit; [] for profit)

[] Tribe [] School/School district/Local education agency [] Other:

Estimated Median Household Income (MHI): \$ 31,000 (Source: RCAC MHI 2017 study)

Estimated percentage of second or vacant homes: 2 %

B. Type of TA Need: [] Drinking Water [] Wastewater [] Storm Water [] Groundwater

C. Problem: Briefly summarize the problem or the TA needs.

Castroville is experiencing Infiltration and Inflow issues that need to be investigated. Castroville suspects that there are many illegal connections or inflow issues causing excess water into the collection system.

D. Request: Briefly describe the assistance being requested.

Castroville would like to have CRWA come out to the system and perform a smoke test to see if any illegal connections are tied to our collection system.

Is the regulatory agency (DDW, LPA, Regional Water Board, etc.) supportive of this project?

[] Yes, name of contact person/agency: unknown [X] No

Is this request associated with a compliance order?

[] Yes, Compliance Order No.: (attach a copy if available) [X] No

E. Contact Information: Please provide a contact for correspondence regarding this request.

Eric Tynan Castroville CSD General Manager
Name Title/Organization
11499 Geil Street Castroville, CA 95012
Mailing Address City/State Zip Code
831-633-2560 eric@castrovillecsd.org
Phone Number E-mail Address

In May 2000, the drinking water system in Walkerton, Canada, became contaminated with deadly bacteria. The losses were enormous, but the outbreak could have been minimized by common water treatment practices, including the use of chlorine residual and turbidity monitors. **BY TOM CLARK**

WALKERTON *E. COLI* OUTBREAK: 20 YEARS LATER

IT'S BEEN 20 YEARS since an *E. coli* outbreak contaminated water in Walkerton, Canada, but many people are still living with its aftermath. The event's long-term impact includes elevated levels of kidney problems, irritable bowel syndrome, and arthritis as well as an overall lack of trust in the community's water supply system. The episode illustrates how the water treatment community is on the front line of public health.

Walkerton is a small community located northwest of Toronto. In May 2000, Walkerton's drinking water system became contaminated with deadly bacteria, including *E. coli* and *Campylobacter*. Seven people died, and more than 2,300 became ill.

The outbreak was caused by many factors, including poor well location and geological factors that resulted in a well under the influence of surface water. There was a lack of understanding of why chlorine is used as a disinfectant and of the significance of finding *E. coli* and other coliform bacteria in potable water. There were unethical operational practices, and the Ontario Ministry of the Environment (MOE) regulatory inspection reports were routinely ignored.

Eventually, two town officials pleaded guilty to charges of common nuisance stemming from the contamination. But the lessons learned from Walkerton still provide valuable insights for water utilities.

And you shall be
like a watered garden,
like a spring of water
whose waters fail not.

Isaiah 58:11

DEDICATED TO THE INDOMITABLE SPIRIT
OF THE PEOPLE OF WALKERTON
TO ALL WHO SUFFERED
AND THOSE WHO DIED

Unveiled by Her Excellency
the Rt. Hon. Adrienne Clarkson C.C., C.M.M., C.D.
Governor General of Canada
June 16, 2001

By 2000, Walkerton's drinking water system became contaminated with deadly bacteria, primarily *E. coli*. Seven people died, and more than 2,300 became ill. The Walkerton Heritage Water Garden commemorates those who suffered during the tainted water tragedy and represents water as a positive healing symbol.

Microbiological Contamination

SYSTEM SPECIFICS

The Walkerton water system was operated by the Walkerton Public Utilities Commission (PUC), which used three wells to supply the system with groundwater. Two of the wells (6 and 7) supplied water from deep aquifers. Chlorine was used for disinfection, but the water from the wells was so hard that PUC made plans in 1978 to develop a shallow well (Well 5), which held the promise of softer water. Well 5 was placed in a wet area—virtually a swamp—with permeable soil, fractured limestone underneath, and springs in the vicinity.

Work on drilling and developing the well began before MOE approved

the project. After the well was drilled and developed, Walkerton applied for the well's approval. The hydrogeological report sent to MOE noted that water coming from the new well contained total and fecal coliform. It described the well location's thin soils, the potential of surface contamination, and how pumping Well 5 caused local springs to stop flowing. The presence of total and fecal coliforms in the well water immediately raised concerns about contaminated surface water.

Ultimately, MOE temporarily approved the well but required Walkerton to adhere to certain conditions. Walkerton was required to pursue a new, more

protected supply of softer water, and Well 5 would be removed from service once a new well was identified. MOE also recommended that Walkerton purchase adjacent land and adopt watershed controls for local adjoining properties.

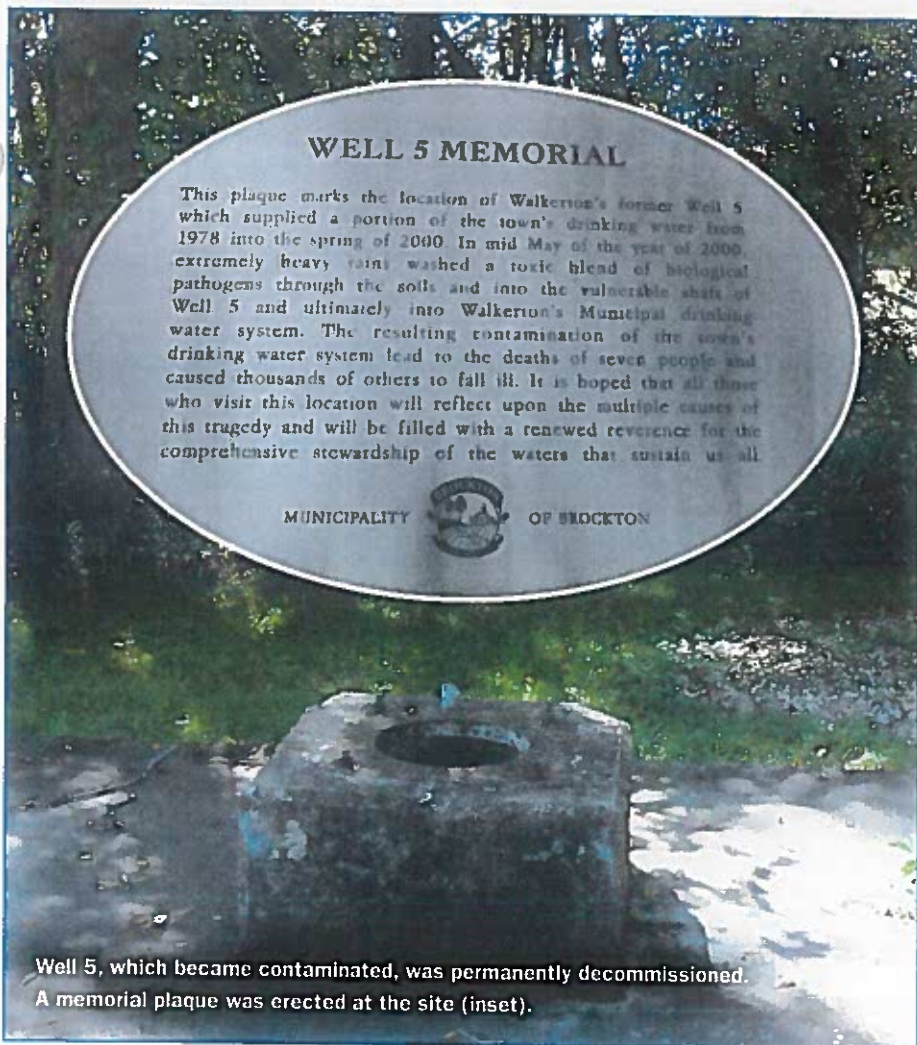
To allow the well's use, water from Well 5 was to be disinfected in such a manner that a free chlorine residual of 0.5 mg/L would exist in the water after 15 minutes of contact time. Conditions also included the installation and operation of an online chlorine residual meter and turbidimeter. The Walkerton PUC agreed its staff would monitor chlorine residuals daily and record the results in daily operating sheets.

However, as time went on, many of these conditions were never met. A location for a well to replace Well 5 was never identified, adjacent lands were never purchased, and no watershed controls for local property were ever adopted. Moreover, residual chlorine meters and turbidimeters were never purchased, the regulatory agency never enforced the approval conditions, and chlorination of the water from the Walkerton wells was haphazard at best.

A CATASTROPHE IN THE MAKING

The use of a well under the influence of surface water set the stage for the events that occurred in 2000. The spring started with a farmer on neighboring property doing what had always been done. After winter broke in Ontario, manure stockpiled from the winter was routinely spread on a field near Well 5. That was followed about two weeks later by a period of torrential rainfall. During a five-day period from May 8–12, five inches of rain fell. Nearly three inches fell on Friday, May 12, alone. During this time, Well 5 was pumping water into the town's system, which originated from the shallow aquifer underlying the adjoining property.

On Saturday, May 13, an operator visited the well in service: Well 5. However,



Well 5, which became contaminated, was permanently decommissioned. A memorial plaque was erected at the site (inset).

PHOTOGRAPHS: TOM CLARK

The Walkerton catastrophe reinforces how a community's residents can potentially develop significant and sometimes fatal health issues when water operators fail to understand their jobs and properly perform important tasks to protect public health.

he didn't perform a chlorine residual check. The chlorinator was operative but set at a low dosage to minimize customer complaints of "too much chlorine." However, too little chlorine meant inadequate disinfection. Water passing from Well 5 was laden with *E. coli* and *Campylobacter*, overwhelming the added chlorine. By not measuring the chlorine residual, the operator missed the opportunity to assess the residual and adjust the chlorine dose accordingly. Correcting the chlorinator at that time wouldn't have eliminated the outbreak, but it would have minimized the illness suffered by the community.

On Monday, May 15, routine samples from the Walkerton distribution system as well as samples from a new water main project were collected and submitted to a laboratory for bacteriological analysis. The results were received two days later. All samples showed total and fecal coliform growth. Although the laboratory faxed this information to the Walkerton PUC, it was never relayed to the health unit, which was customary (although not legally required) at the time.

On Thursday, May 18, the first indications of widespread illness appeared in the community. There were many absences from the local school, and the local hospital began to see patients who showed symptoms of stomach pain, nausea, and bloody diarrhea. People started calling the Walkerton PUC to see if the water was safe. Within a day, the extent of illness drew the local health unit into the situation.

One of the first things the health unit did was to contact the Walkerton PUC to verify the local water supply was safe. Several times during the next few days, the Walkerton PUC told the health unit that the water was "OK," with no mention that distribution samples taken earlier that week showed total and fecal coliform contamination. Alarmed by the situation, Walkerton's general manager told the Water Department's foreman to

immediately install a chlorinator on Well 7, after which the well was brought into service to deliver a high chlorine residual into the water. Then the distribution system was extensively flushed.

As more people reported to the hospital, a full investigation into the water system was under way. The puzzle began to be solved when a child's stool specimen tested positive for *E. coli* O157:H7, a potentially fatal strain. The bacteria's toxin enters the bloodstream and causes blood cells to clump, leading to hemolytic uremic syndrome (HUS). The kidneys can shut down without dialysis, and death will follow.

By May 21, the health unit had been trying to determine the outbreak's cause. Despite being told there were no problems with the water, health unit staff collected their own series of bacteriological samples and delivered them to a regional lab for analysis. And with more people reporting to the hospital, stool specimens testing positive for *E. coli*, and the health unit being unable to identify the source, a boil-water order was issued.

In the following days, several children were airlifted to medical centers for HUS treatment, many more Walkerton residents were hospitalized, and *E. coli* was confirmed in numerous bloody stool specimens. Eventually, the distribution system water samples collected by MOE on May 21 tested positive for total and fecal coliform, and the complete story emerged. Walkerton then set about restoring proper water quality, but the boil-water order wasn't lifted until Dec. 5. The outbreak's final toll was 2,300 people ill, seven deaths, and an economic impact of approximately \$155 million.

LESSONS LEARNED

Several factors contributed to the outbreak. The spreading of cattle manure in the field adjacent to Well 5 introduced contamination into the local

aquifer. Rain beat the manure into and through the shallow, porous soils, where it encountered fractured bedrock. Contaminated water then flowed into Well 5, where the low chlorine dosage was insufficient to inactivate the microbiological contamination in the water. DNA tests revealed the *E. coli* specimens in the manure were identical to the *E. coli* in the stool specimens of the ill. The contamination's source had been found.

If Walkerton's water treatment operators had performed chlorine residual analyses and understood the significance of maintaining a chlorine residual, the number of illnesses in the community would have been dramatically reduced. Comparing chlorine dosage and chlorine residual provides an operator with one piece of important information: chlorine demand. With no changes in chlorine dosage, a rise in chlorine demand will cause the chlorine residual to fall. Disinfection efficiency is reduced as the residual falls, making it more likely that contamination will move through the treatment plant and into the distribution system.

To combat this scenario, additional chlorine needs to be added to the process to regain the desired residual. No matter how routine or repetitive it may seem, performing a simple chlorine residual check is the best real-time means by which an operator can ensure the water leaving the treatment plant is safe and of potable quality.

The Walkerton catastrophe reinforces how a community's residents can potentially develop significant and sometimes fatal health issues when water operators fail to understand their jobs and properly perform important tasks to protect public health. Nowadays, when many emerging contaminants often garner the headlines, it's important to remember the bacteria and other microbes that can sicken and sometimes kill us. After 20 years, we can't forget Walkerton.

Salinas Valley Basin GSA Engagement with Disadvantaged Communities

Stakeholder Interview Guide

Developed by Consensus Building Institute [July, 2020]

CBI Facilitator & Senior Associate Ekow Edzie, Phone/Text: 617.875.6570 or EEdzie@CBI.org

The Consensus Building Institute (CBI.org) provides impartial facilitation and mediation services. This assessment process will aim to highlight opportunities to cultivate stronger relationships between the SVBGSA and local disadvantaged communities, with a focus on communication practices, leadership development and overall engagement strategy. The assessment process will culminate in the development of an engagement strategy, which will be refined in collaboration with the SVBGSA DAC Advisory Committee.

The CBI facilitator will use what we discuss to report findings without attributing it to the interviewee personally; anything that the interviewee wishes to stay confidential will remain between the facilitator and interviewee.

Introductions

- 1) Could you please introduce yourself, including the history of your involvement with the Salinas GSA and work on issues related to disadvantaged communities in particular?

Issues to be Addressed & Conditions within DACs

- 1) In your view, what are the primary issues of concern with regard to groundwater in Salinas's disadvantaged communities? What are the opportunities?
- 2) The Salinas Valley Basin GSA has enlisted the facilitation services of CBI to work with the GSA and stakeholders, to identify how the SVBGSA might cultivate stronger relationships with local disadvantaged communities. From your perspective, what are the most important issues to address in this process?

The Role of the Salinas Valley Basin GSA in Disadvantaged Communities

- 1) In what ways has the SVBGSA been effective in engaging with disadvantaged communities to understand needs? What are the areas for improvement?
- 2) In what ways has the SVBGSA been effective in building relationships with disadvantaged communities? What are the areas for improvement?

- 3) What barriers might be limiting the SVBGSA's ability cultivate strong relationships with disadvantaged communities? How might these barriers be overcome?
- 4) What do you feel the SVBGSA should focus on going forward to best serve the needs of disadvantaged communities?

Channels of Communication

- 5) What are the most effective channels of communication between Salinas's disadvantaged communities and the SVBGSA?
- 6) What are the primary barriers to effective communication between Salinas's disadvantaged communities and the Salinas GSA? How might they be overcome?
- 7) What additional communication and / or outreach activities would you recommend the SVBGSA consider to improve communication with disadvantaged communities?
- 8) What information do you feel the SVBGSA needs in order to best serve the needs of disadvantaged communities?

Local Leadership on Groundwater Issues in DACs

- 9) Are there community leaders whom you would recommend to represent disadvantaged communities in groundwater management discussions, or whom you would recommend the SVBGSA engage with more generally?
- 10) What barriers might prevent community leaders from voicing their concerns to the SVBGSA? How might these barriers be overcome?
- 11) How would you recommend the SVBGSA approach cultivating leadership within Salinas disadvantaged communities on groundwater issues?

Conclusion

- 12) Is there anything that we did not discuss that you would like to share, or any advice that you might offer?
- 13) How would you like to be involved in this effort going forward?
- 14) Are there any disadvantaged communities you might prioritize for increased outreach efforts by the SVBGSA?
- 15) Who else would you recommend I speak with?

PFAS:

Eight things to expect in 2020

Progressing our understanding across Canada and the United States



As awareness increases about per- and polyfluoroalkyl substances (PFAS) and their impact, ambiguities remain about the tangible risk they pose to human health and the environment.

The lack of consistency as to which PFAS compounds to regulate or what concentrations are deemed “acceptable” in the environment makes it difficult for government agencies to determine what actually drives decision making. One of the greatest barriers to certainty lies within a clearer understanding of PFAS toxicology.

What does this uncertainty mean for addressing PFAS in Canada and the United States? Based upon our work with private and public sector clients, discussions with regulators, and our involvement with technical groups such as the Interstate Technology Resource Council (ITRC), Michigan Chemistry Council (MCC), and American Society for Testing and Materials (ASTM), we bring you our predictions for 2020:

1. **Public awareness driving state action.** PFAS awareness increases leading states to recognize the need for background surveys. For example, Vermont recently published a background shallow soil survey for PFAS and found a range of concentrations from 540 ng/kg to 35,000 ng/kg with PFOS detected at the highest frequency and observed in all samples.
2. **State regulations move ahead on MCLs.** More states will join PFAS-progressive states (Massachusetts, New Hampshire, New Jersey, and Michigan) in proposing their own contaminant levels with the development and dissemination of state-regulated MCLs.
3. **Progress delayed in the federal establishment of maximum contaminant levels (MCLs).** The United States election year stalls progress in establishing MCLs by United States Environmental Protection Agency (US EPA). Finalizing MCLs at the federal level can take several years after the determination process.
4. **Mitigating risk with PFAS-free products.** Industries that use perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) will continue to transition to alternative products. Many states have proposed bans of these substances, and the Canadian Federal Government has proposed to remove exemptions for continued use in certain products, which is expected to be finalized by the end of 2020.
5. **PFAS source prioritization.** Given the scale of this issue, the US EPA and state agencies are prioritizing major sources (e.g., significant users of aqueous film forming foam [AFFF], primary PFAS manufacturers), followed by sensitive human health/ecological receptors such as drinking water sources. Secondary and alternate sources linked to the wide-scale use of these chemicals pose inherent challenges that will complicate primary source identification. We will continue to see source identification broaden over 2020.
6. **Government agencies conducting drinking water exposure assessments.** The Centers for Disease Control and Prevention (CDC) and Agency for Toxic Substances and Disease Registry (ATSDR) are conducting exposure assessments in communities near current or former military bases with known PFAS in the drinking water. Furthermore, the development and proposal for the fifth unregulated contaminant monitoring rule (UCMR 5) will be published in summer 2020. This establishes a monitoring network for unregulated chemicals and provides an inventory of potential impacts to water resources across the United States.
7. **Ongoing research with consultants, remediation contractors, academic institutions, and industrial partners.** Significant advancements in the development of more cost-effective treatment technologies are addressing PFAS in large volumes of liquids through separation in addition to destructive technologies being trialed at pilot scale.
8. **ITRC-technical and regulatory guidance released in Spring 2020.** Technical documentation supports guidance to state and federal environmental professionals on PFAS in terms what they are, behavior in the environment, remediation strategies, and stakeholder engagement communication.

As we continue to advance our technical understanding of the issue of PFAS in the United States and Canada, it is critical to continue to apply the principles of risk-based mitigation strategies in response to groundwater, drinking water, surface water, and biosolids concerns as the science and regulatory advancements evolve.

100-year inundation

December 2014

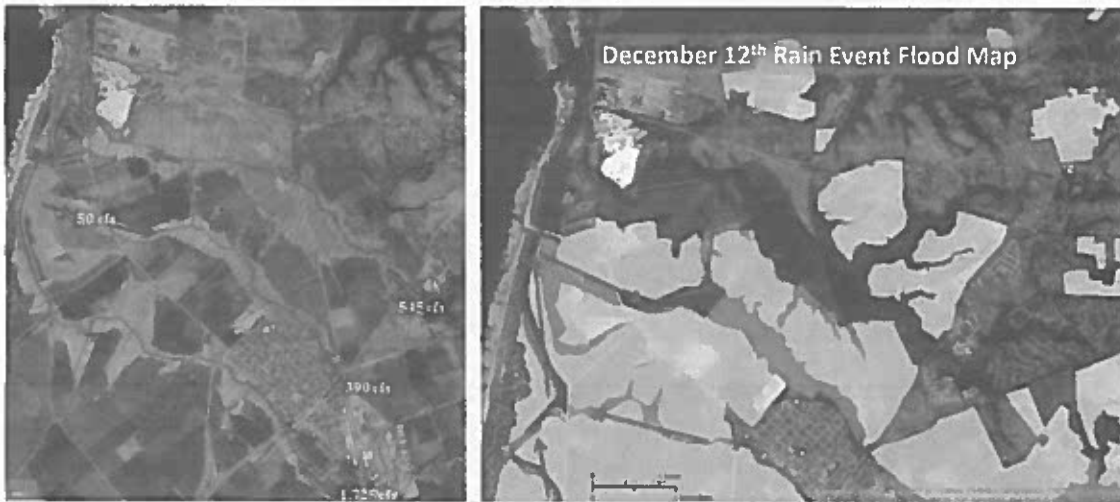


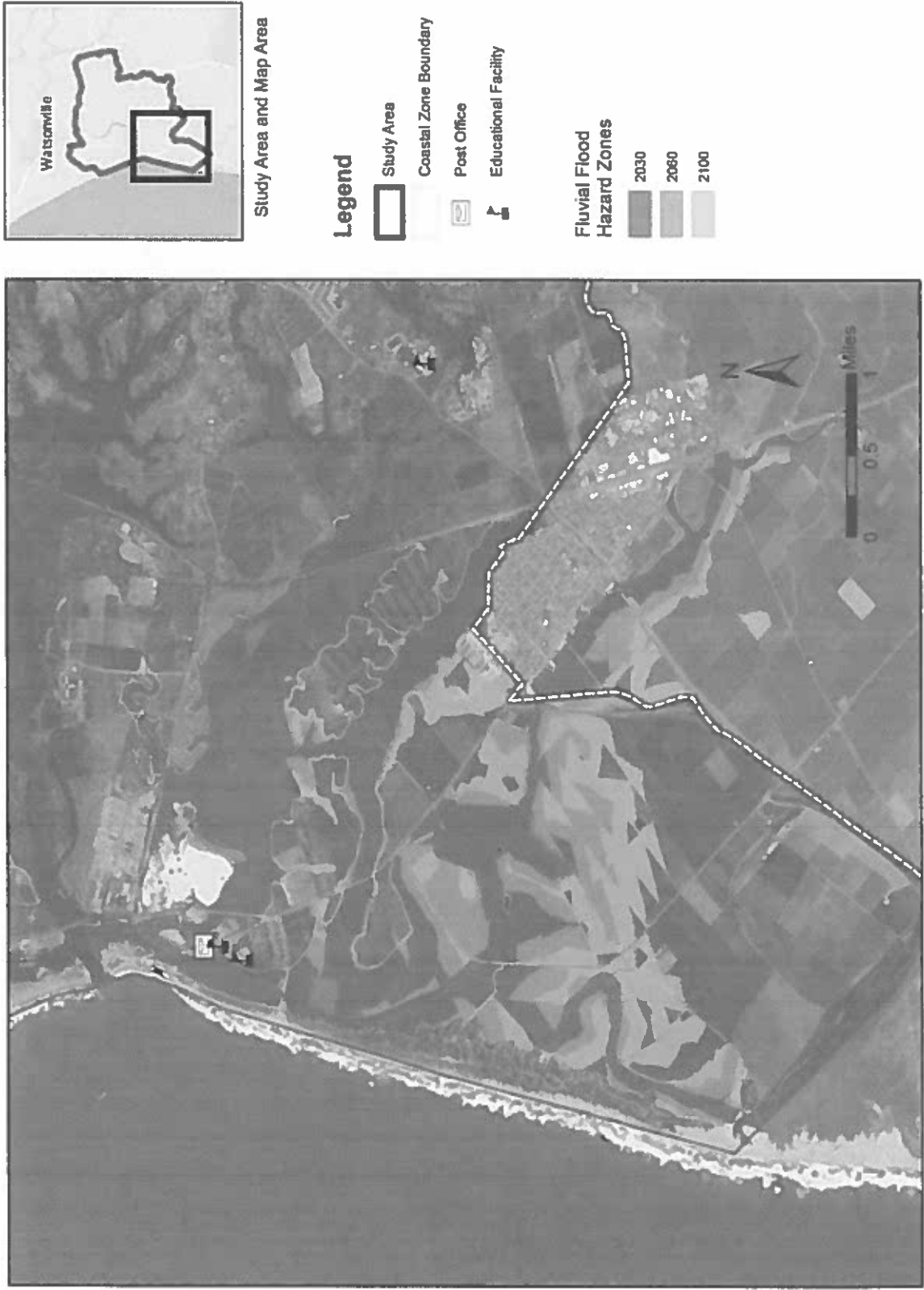
Figure 14. Comparison of Modeled 100-year flow paths and observed flow paths during Dec 2014 flood (Figure source: ESA 2014)

Currently, residential and business properties in Moss Landing have been build adjacent to, but above the FEMA flood plain. A significant area of the lower Salinas Valley agriculture fields, however, is currently vulnerable to flooding from the Gabilan Watershed and Old Salinas River (Image 1). Many of the farm fields vulnerable to flooding within the Moro Cojo Slough have been purchased for wetland restoration or conservation. Other historical wetland areas within the Gabilan drainage between Castroville and Salinas remain in agriculture production through the aid of water lift stations that pump water from drainage systems in the low-lying areas. Water elevation within these basins can be more than 8ft below sea level. Obviously, these areas are vulnerable to flooding in the winter and have (inadvertently) provided flood attenuation service to downstream resources during flood events.



Image 1. February 20th, 2017 flooding of lower Salinas Valley (note similarities with hazard map Fig. 14) (Photo: KSBW drone footage)

Figure 16. Reclamation Ditch Fluvial Flood Hazard Zones within the Study Area.



Public Service Ethics Education Online Proof of Participation Certificate

Date of Completion: Aug 03, 2020

Training Time*: 2 hr. 25 min.

This course is an overview course on all public service ethics issues necessary to satisfy the requirements of Article 2.4 of Chapter 2 of Part 1 of Division 2 of Title 5 of the Government Code, including the following:

- Laws relating to personal financial gain by public servants, including, but not limited to, laws prohibiting bribery and conflict-of-interest laws.
- Laws relating to claiming perquisites ("perks") of office, including, but not limited to, gift and travel restrictions, prohibitions against the use of public resources for personal or political purposes, prohibitions against gifts of public funds, mass mailing restrictions, and prohibitions against acceptance of free or discounted transportation by transportation companies.
- Government transparency laws, including, but not limited to, financial interest disclosure requirements and open government laws.
- Laws relating to fair processes, including, but not limited to, common law bias prohibitions, due process requirements, incompatible offices, competitive bidding requirements for public contracts, and disqualification from participating in decisions affecting family members; and
- General ethical principles relating to public service.

The Fair Political Practices Commission and Attorney General have reviewed this course for course sufficiency and accuracy.



By signing below, I certify that I fully reviewed the content of the entire online AB 1234 course approved by the Attorney General and Fair Political Practices Commission and am entitled to claim two hours of public service ethics law and principles credit.


Participant Signature

JAMES ERIC TYNAN

Participant Name

CASTROVILLE CSD

Agency Name

NOTE TO PARTICIPANT: Please provide a copy of this proof of participation to the custodian for such records at your agency. In addition, we recommend you make a copy of this proof of participation for your own records to retain for at least five years. To preserve the integrity of the online certification process; **these certificates are only available upon completing the online session.** * To satisfy AB 1234 requirements, this certificate must reflect that the public official spent two hours or more reviewing the materials presented in the online course. If the certificate reflects less than two hours, the participant should have on file additional certificates demonstrating that the official has satisfied the entire two hour requirement.

Thank you Castroville

I believe it is time we all address our collective responsibility for the historical indecision on formulating a reasonable long term water supply solution for the Monterey Peninsula.

If a desal plant is constructed within the Salinas Valley Basin, any and all freshwater extracted from the SVB basin is required to be returned to an eligible in-basin user. In the absence of other eligible/capable Basin users, Castroville Community Services District (CCSD) has stepped forward to help the Peninsula residents and businesses.

This is not a time to single out Castroville over our unresolved long term water supply issues. Castroville CCSD is not being subsidized by Peninsula residents, rather acting in good faith to facilitate a solution. Why Marina is not eligible to benefit from the requirement is an excellent question that should be asked of the Marina Coast Water District Board of Directors.

I personally want to thank the Castroville Community Services District Board and Staff for their kind offer of assistance to help us.

— *James Derbin, Monterey*


Water ‘Straight Talk’

In an Aug. 2 commentary, Grant Leonard shared his view of the proposed future Castroville water supply. In an Aug. 5 response letter, Gary Kreeger rightly calls for “straight talk” on water facts.

There seem to be misunderstood parameters.

First, the Cal Am desalination plant will not take its source water from the ocean. That water will come from the city of Marina’s and Ord Communities’ sole potable water supply source, namely, the Salinas Valley Groundwater Basin (SVGB) that is on the state’s critically over-drafted groundwater basin list. The SVGB is also under the state’s 2014 Sustainable Groundwater Management Act mandate to develop groundwater sustainability plans.

Second, Leonard’s commentary overlooks three central issues. One, the proposed Cal Am desalination facility will deplete Marina’s freshwater aquifers to which it has legal water rights, while Cal Am has no water rights in the SVGB. Two, the facility will exacerbate seawater intrusion, according to its environmental impact report, thus this insidious plan will leave Marina “high and dry.” Three, but not least, Monterey Peninsula ratepayers will be forced to subsidize the desalination water supplied to Castroville: Castroville will only pay \$110 per acre-foot, leaving the real cost of \$7-8,000 plus per acre-foot to be added to the Monterey Peninsula ratepayers’ already highest water rates in the nation.



We love our Castroville neighbors, but this risky water supply method comes with a way too high price tag. That's telling it "straight."

— *Margaret-Anne Coppernoll, Marina*

Lidia Santos

From: Mouradian, Eric [eric.mouradian@chase.com]
Sent: Wednesday, September 02, 2020 1:34 PM
To: 'Eric Tynan'; 'Lidia Santos'
Cc: Ferega, James D
Subject: Castroville Community Services District
Attachments: Castroville CSD Chase Bank Proposal .pdf

Eric and Lidia

I hope your week is off to a great start.

Thank You for connecting with me last week. As we discussed I work in a specialized unit within the bank that manages Government Entitles and Not for Profit Corporations.

Castroville Community Services District would be managed in our specialized group. All of the Government accounts that we open are in compliance with the California State Codes for collateralization. In addition I would be your dedicate Relationship Manger to assist the District and staff thru the onboarding process and future needs.

Per our discussion and review we feel that there is no need for an analysis banking account. Our Platinum Business Checking will more than suffice the volume and activity (per the bank statements provided) We can offset the \$95 monthly fee with balances in the accounts.

The few fees we can anticipate would be for the multi feed scanner for Quick Deposit \$50, and with the current volume the single feed scanner may be better, and that would be included. The other is for ACH transactions \$25 for the first 25 items, then 0.15 per item after that. Again from the review we didn't see many ach payments being processed and you may not need the service to start with.

We would set up the accounts with Chase for Business online banking platform along with Positive Pay and Ach Debit Block services which we discussed. These are the best tools we have fight fraud both via paper checks and electronic debits.

Please let us know if you would like to connect before the board meeting and or if you like me to be present (telepresence) at the board meeting to answer any questions.

We look forward to working with you and the Castroville Community Services District soon

Eric Mouradian | VP, Senior Relationship Manager | Government & Not-for-Profit Banking **JPMorgan Chase Bank, N. A.** | Chase Business Banking| 796 E Shaw Ave. Fresno, Ca. 93710 T: 559 490 0515 | F: 559 840 3732 | eric.mouradian@chase.com

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Personal account benefits

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Monthly Service Fee

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FOR MORE INFORMATION CONTACT:

Eric Mouradian
(559) 490-0515

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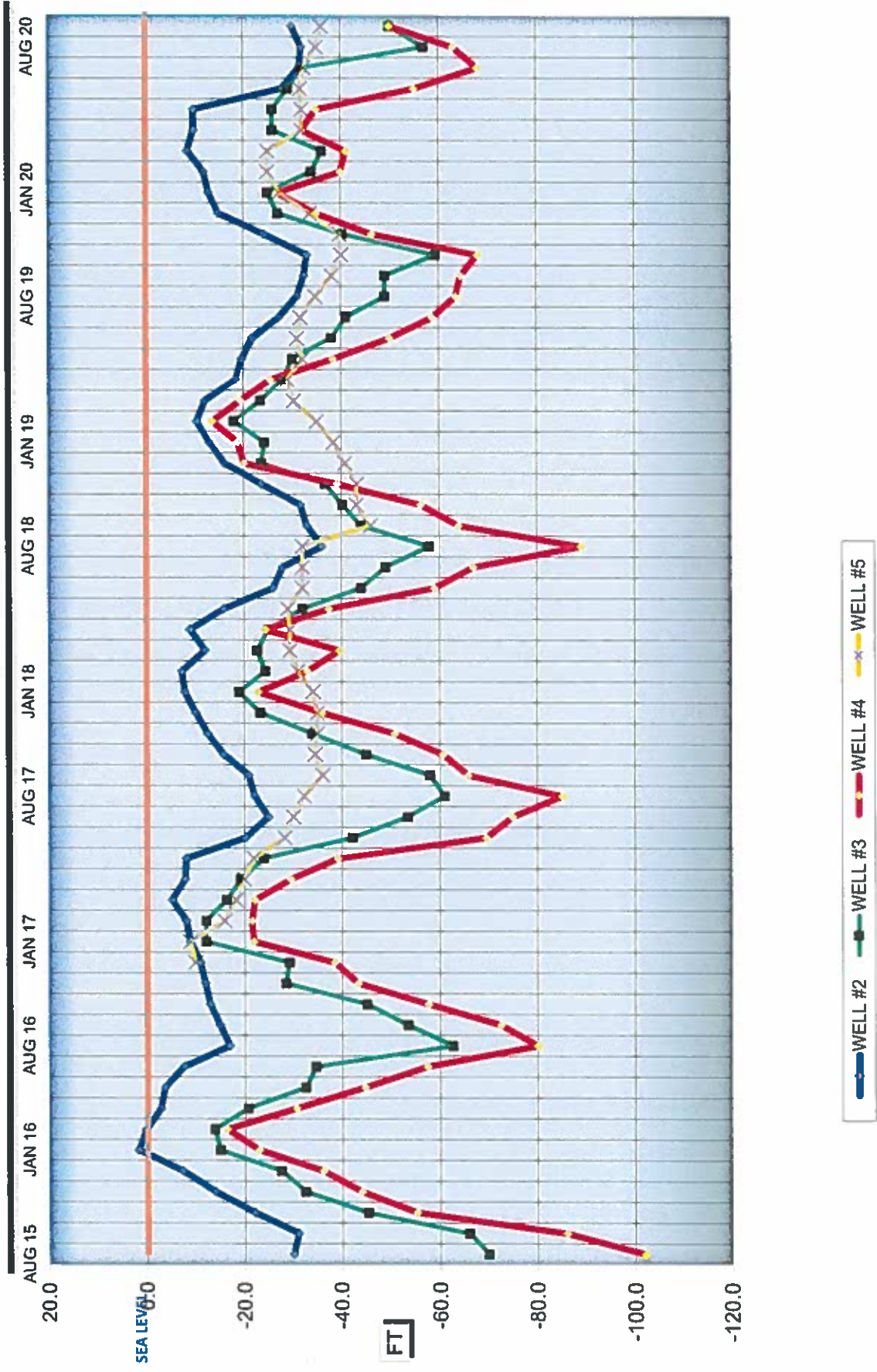
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CASTROVILLE WELL LEVELS 2015-2020





CASTROVILLE COMMUNITY SERVICES DISTRICT

GENERAL MANAGER'S REPORT

SEPTEMBER 15, 2020

❖ Regulatory Compliance

- ❑ SWRCB-DDW inspection of water system and permit July 2020- delayed
- ❑ No coliform violations (all routine samples negative) for August 2020
- ❑ Quarterly sampling of Well #3 due to it exceeding secondary standards- for Turbidity, Spec. Cond. and Chloride
- ❑ Completed and submitted 2019 CCR to SWRCB-DDW
- ❑ Submitted water reports to 9 large Water system customers 9/9/2020
- ❑ Regulatory documentation for Castroville Zone 1 sewer jetting activities
- ❑ Submitted No-spill report to State documenting Castroville, Moro Cojo and Moss Landing systems had no sewer spills for July 2020 on 9/1/2020
- ❑ Regulatory documentation for MLCSD – Zone 1 & 2 sewer jetting activities
- ❑ Regulatory documentation for CCSD – Zone 3 sewer jetting activities

❖ Current Projects

- ❑ Confirmed IRWMP Implementation grant for \$395,00 Prop 1 funding for new water supply
- ❑ Design and secure funding for Washington sewer by-pass line
- ❑ Repair motor control center and traffic plates for Station 4 on Potrero Rd in Moss Landing
- ❑ Finalize purchase of site for future Well #6
- ❑ Investigate water and sewer capacity for 63 proposed Farm Labor Housing Units on Merritt Street at end of Union St for Driscoll Berry Farms
- ❑ Design and secure funding for Desal pipeline to MPWSP
- ❑ Consider costs for Castroville Oaks project for street & sewer service
- ❑ Grant proposal from SWRCB for Castroville water for 2.8 million dollars
- ❑ Moss Landing Operations, see report in Board packet
- ❑ Moro Cojo Operations, see report in Board packet
- ❑ Castroville Operations, see report in Board packet

❖ **Completed Projects**

- ❑ Started Backflow Testing of 383 Backflow devices
- ❑ Inspect water and sewer connections for 18 apartments on Pajaro and Haight St for Ausonio Construction
- ❑ Upgraded SCADA system for Water and Sewer- complete
- ❑ Upgraded Moss Landing Motor control center in front of Phil's
- ❑ Installed acrylic guards at Payment station
- ❑ Installed back-up Generator for District office-complete
- ❑ Teleconferencing system set up for Board meetings
- ❑ Submitted grant proposal with DWR for Moss Landing sewer
- ❑ 100% of Fire valve covers lids in Castroville painted yellow
- ❑ Replaced 28 meter registers in August
- ❑ Repaired/replaced 1 service laterals

❖ **Upcoming Projects**

- ❑ Tie-in to MPWSP Desal water line
- ❑ Install lock-down manhole covers on Castroville Blvd (1 of 3)
- ❑ Install new checks and gate valves for Castroville Blvd Lift Station
- ❑ Pig force mains in Moss Landing
- ❑ Well #6 and well site 4 modification for system fill
- ❑ Design & funding for Washington Sewer Bypass line
- ❑ Install "No dump- spills to Bay" medallions at all storm drain inlets

❖ **Meetings/Seminars (attended)**

- ❑ Meeting of the Executive Board of the SVGWB GSA -Ron
- ❑ TAMC meeting re: Merrett St. improvements
- ❑ Monterey 1 Water- various Board meetings- Ron and Eric
- ❑ MPWMD Board meeting- Ron and Eric
- ❑ SVGWBGSA-Advisory Committee
- ❑ Meeting of the Sea Water Intrusion Working Group TAC - Eric
- ❑ SVGWB- Basin Overview workshop
- ❑ North Monterey County Community Foundation Board- Eric
- ❑ IRWMP Sub Grantee meeting-Eric & Lidia
- ❑ Meeting of the MCWRA- TAC -Advisory Comm. On Deep Wells-Eric
- ❑ SVGWB GSA Advisory Comm. -Eric
- ❑ Monterey 1 Water Ad hoc Committee-Ron & Eric
- ❑ Coastal Commission Staff via telephone 8/26/20- Eric
- ❑ Initial Sea Water Intrusion Committee meeting- SWIG
- ❑ Coastal Commission Staff - Noaki Swartz
- ❑ Coastal Commission Staff -Tom Luster
- ❑ Meeting of the permanent Board of the SVGWB GSA -Ron
- ❑ Moss Landing Chamber meeting- Canceled
- ❑ Monterey Peninsula Water Management District-
- ❑ Meeting of the Monterey Sub-basin Committee GSA -Ron and Eric

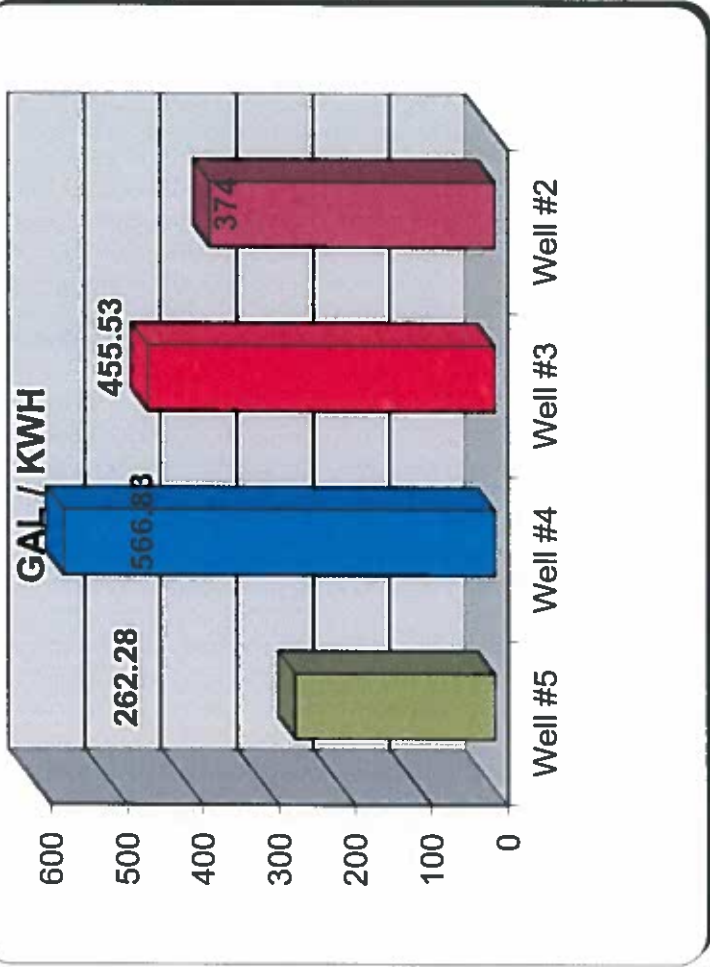
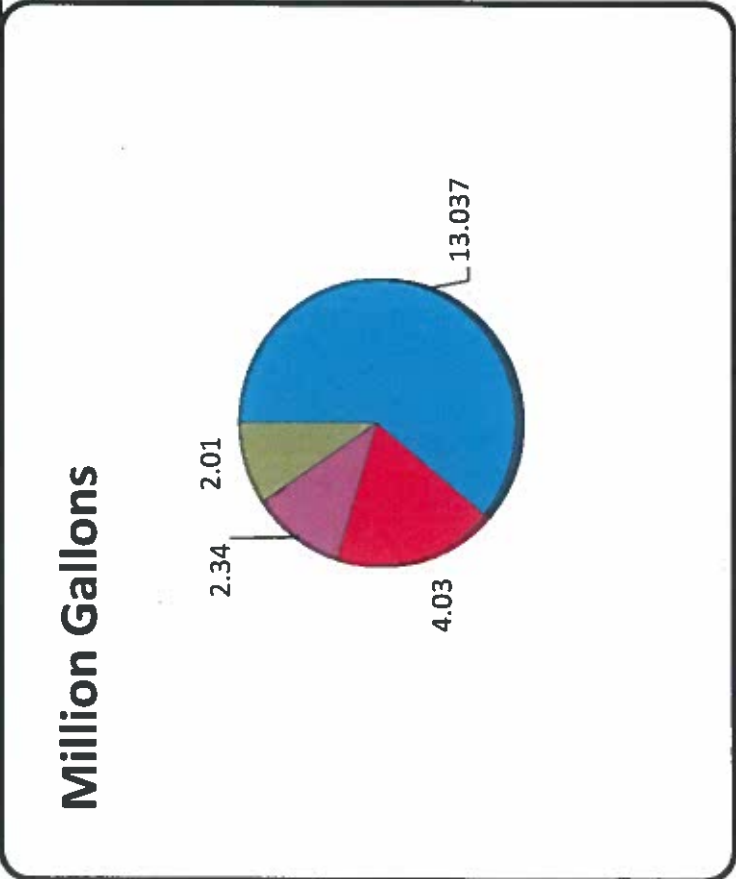
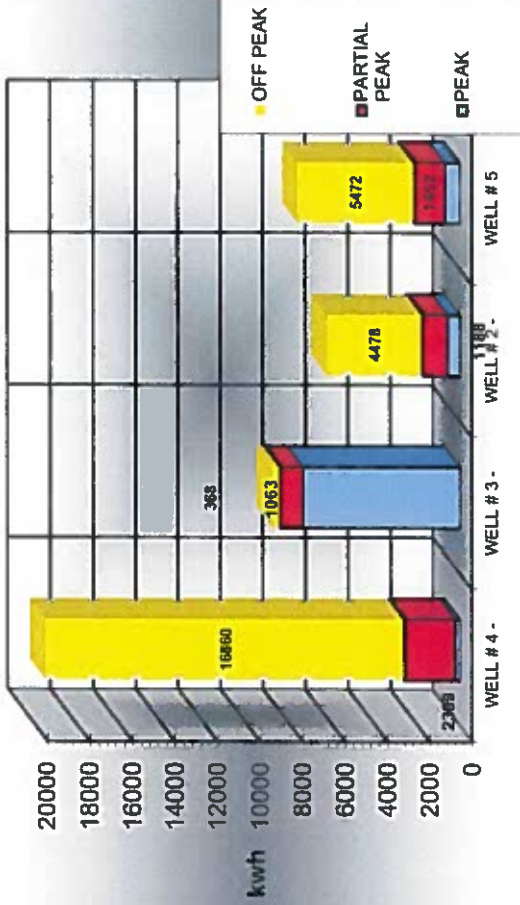
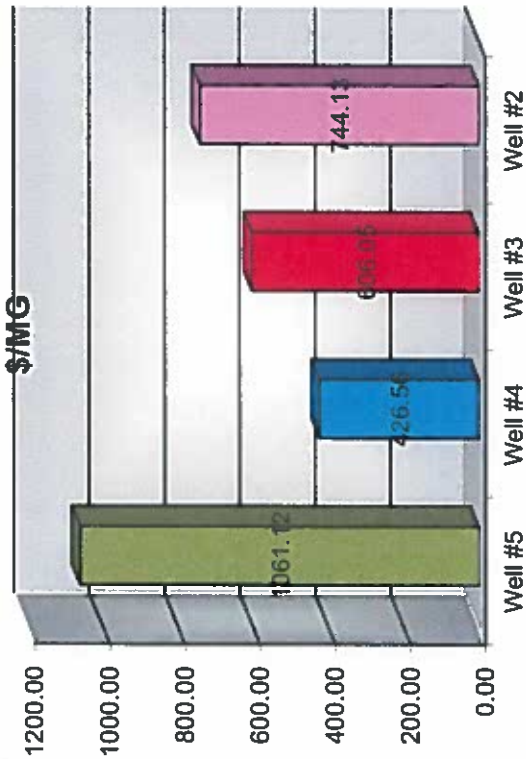
❖ **Meetings/Seminars (upcoming)**

- ❑ Coastal Commission re: MPWSP (Desal) – Scheduled to 9/17/20
- ❑ City of Marina Council meeting re: MPWSP
- ❑ Moss Landing Chamber meeting
- ❑ Moss Landing Community Plan Update
- ❑ North Monterey County Community Foundation Board
- ❑ Monterey 1 Water- various Board meetings- Ron and Eric
- ❑ Moss Landing Community Plan update
- ❑ Neighborhood Watch
- ❑ SVGWB GSA Advisory committee meetings-8/20/20
- ❑ Monterey County Sherriff's Citizens Advisory Group-Adriana & Eric
- ❑ Quarterly Special District Managers meeting
- ❑ Quarterly Water Managers meeting

❖ **Improvements/Ideas/Suggestions**

- ❑ Install "For fire use only- all others will be fined" on all fire hydrants
- ❑ Select areas for Saddle, main valves and lateral replacement program
- ❑ Pressure wash and weed maintenance on fire hydrants

September-20





CASTROVILLE COMMUNITY SERVICES DISTRICT

OPERATIONS REPORT August 2020

Emergency calls

3rd – Sea garden pump not working. (Jonathan on call).

Maintenance:

- a) Sea Garden – Pump # 1 pulled for repairs.
- b) Well 2 – New water softener installation.
- c) Sea Garden – New pump # 2 installation.
- d) Well 2 – Water transducer installation.
- e) Sea Garden – Level transducer installation.
- f) Water Lateral repair - 12855 Via Linda.
- g) Well 2 – Rebuilt dosage dump.
- h) Well 2 – PH sensor installation.
- i) Moro cojo – Pump # 2 pulled for repairs.
- j) Backflow testing.
- k) Took Generator to station # 3, PG & E working on transformer.
- l) Valve exercising.
- m) Run the stand-by generators at the water plant sites bi-weekly.
- n) Run the stand-by engines at the sewer lift stations weekly.
- o) Grounds keeping of FH and lift stations.
- p) Jetted sewer mains – Castroville, Moro Cojo and Moss Landing.

Work Orders:

- a) 7 day disconnect notices - 35
- b) Final bill - read meter - 9
- c) Investigate - 1
- d) Miscellaneous - 5
- e) Turn on service - 2
- f) Padlock srv, no tenant – 4
- g) Raise box - 1
- h) Replace register – 26

TOTAL WORK ORDERS - 83

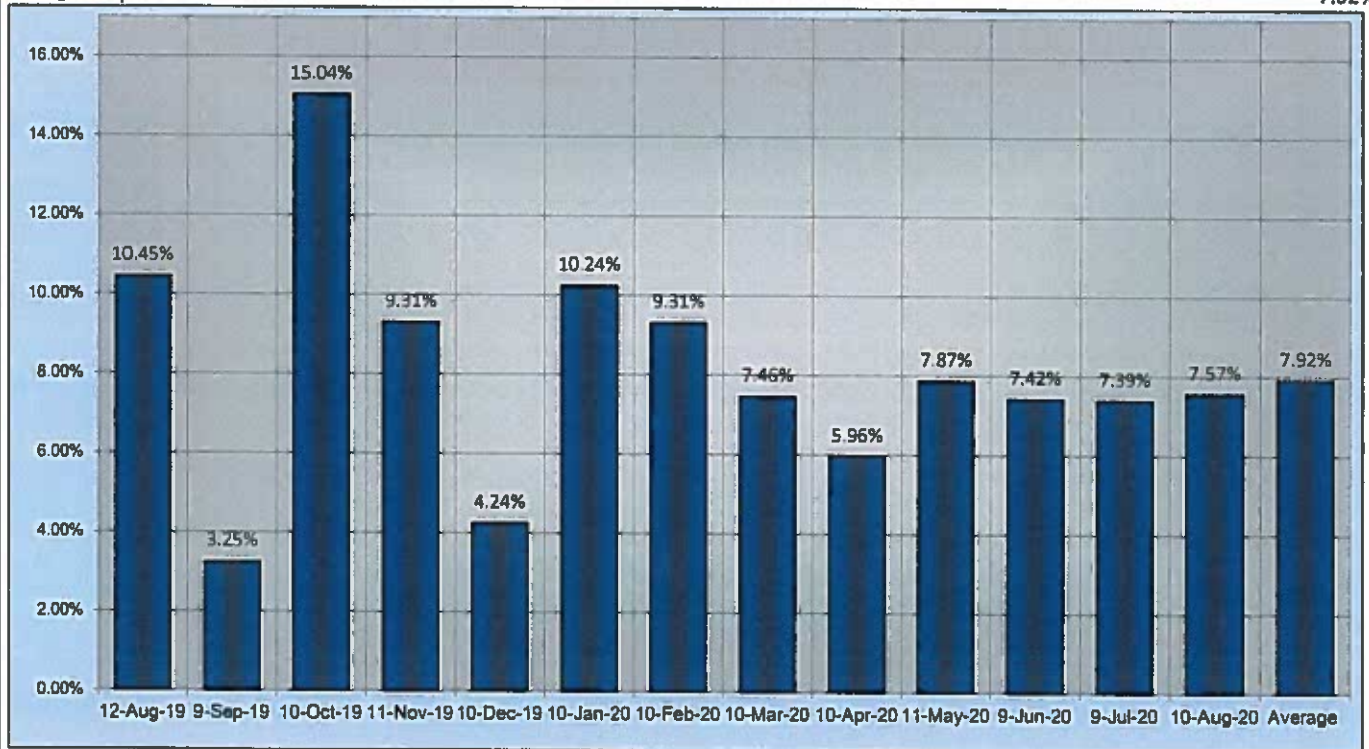


Castroville Community Services District



Percent Water Loss Monthly & Yearly

Month	Well #5 Gal.	Site 2 Well Gal.	Site 3 Well Gal.	Site 4 Well Gal.	Totals	Totals	miscellaneous	Unaccounted Water %
					Water Pumped	Water Sold		
12-Aug-19	4126146	4487000	0	19210000	27823146	24445328	Hydrant meters 412163 Jetting & Flushing 10k, 40k Leaks Hydrant 1k, FD 4k, R.O. & Softner 4K	10.45%
9-Sep-19	3878455	3678000	0	13845000	21401455	20352751	Hydrant meters 337163 Jetting & Flushing 14k, 8k Leaks Hydrant 1k, FD 2k, R.O. & Softner 4K	3.25%
10-Oct-19	3727585	4033000	340800	19985000	28086385	23232491	Hydrant meters 230363 Jetting & Flushing 16k, Leaks Hydrant 27k, FD 2k, R.O. & Softner 4K	15.04%
11-Nov-19	3807613	3464000	1258200	17024000	25553813	21808643	Hydrant meters 0700363 Jetting 15k Leaks Hydrant 0k, FD 2k, R.O. & Softner 4K	9.31%
10-Dec-19	1923150	1678000	3572000	12385000	19558150	16964094	Hydrant meters 0410363 Jetting 10k Leaks Hydrant 2k, FD 2k, R.O. & Softner 4K	4.24%
10-Jan-20	8379	0	3776000	12326000	16110379	14298977	Hydrant meters 100210363 Jetting & Flushing 14k, Leaks Hydrant 2k, FD 2k, R.O. & Softner 4K	10.24%
10-Feb-20	0	2499000	3574000	9938000	16011000	14435271	Hydrant meters 40710363 Jetting 12k Leaks Hydrant 12 5k, FD 2k, R.O. & Softner 4K	9.31%
10-Mar-20	2307706	3237000	3552000	6474000	15570706	14308529	Hydrant meters 8200363 Jetting 10k Leaks Hydrant 2k, FD 2k, R.O. & Softner 4K	7.46%
10-Apr-20	3381275	3569000	4126000	6530000	17606275	16256576	Hydrant meters 204443 Jetting & Flushing 15k, Leaks Hydrant 5k, FD 2k, R.O. & Softner 4K	5.96%
11-May-20	3570472	3765000	4083000	11445000	22863472	20737051	Hydrant meters 27710363 Jetting & Flushing 16k, Leaks Hydrant 25k, FD 2k, R.O. & Softner 4K	7.87%
9-Jun-20	2787634	2890000	5062000	11867000	22606634	20524492	Hydrant meters 373416 Jetting & Flushing 16k, Leaks Hydrant 15k, FD 2k, R.O. & Softner 4K	7.42%
9-Jul-20	2898739	3007000	5454000	13259000	24618739	22416632	Hydrant meters 30410363 Jetting & Flushing 7k, Leaks Hydrant 0k, FD 2k, R.O. & Softner 4K	7.39%
10-Aug-20	2506892	2869000	5120000	15792000	26287892	23790237	Hydrant meters 30320363 Jetting & Flushing 15k, Leaks Hydrant 0k, FD 2k, Softner 2K	7.57%
Average								7.92%



CASTROVILLE COMMUNITY SERVICES DISTRICT



CASTROVILLE - ZONE 1 MONTHLY O&M REPORT AUGUST 2020

❖ LIFT STATION #5 Del Monte

- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/6/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/13/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/20/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/27/2020

❖ LIFT STATION #6 @ Sea Garden

- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/6/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/13/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/20/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/27/2020

❖ **LIFT STATION #7 @ Via Linda**

- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/6/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/13/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/20/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/27/2020

❖ **JETTING ACTIVITIES**

- ❑ Total jetted approx. **8,507** feet

❖ **OTHER MATTERS**

- ❑ Submitted no-spill report to SWRCB on 9-1-2020
- ❑ Cleaned storm drains in January, February and March 2020

❖ **Improvements/CIP/Suggestions**

- ❑ Confirm that storm drain interceptors are Marked- "DO NOT DUMP, FLOWS TO BAY"
- ❑ Confirm that storm drain interceptors are clear



Castroville

AUGUST 2020 JETTING

9/1/2020



ID	Material	Length	Downstream MH	Upstream MH
11000Blackie	6" Clay	436	MH 28	MH 29
11000California/alley	6" Clay	460	MH 22.3	MH 22.6
11000MoroCojo	6" Clay	250	MH 22.9	CO 22.8
11000Walsh	6" Clay	205	MH 22.4	CO 22.5
11000Wood	6" Clay	100	MH 22.2	CO 22.11
11100Monterey	6" Clay	235	MH 25.3	CO 25.5
11100Wood	6" Clay	220	MH 25.1	CO 25.11
11200Blackie	8" Clay	440	MH 28	MH 28.1
11200Wood	6" Clay	358	MH 25.8	MH 25.1
11300Wood	6" Clay	350	MH25.6	MH 25.9
11300Wood-6in	6" Clay	191	MH 25.8	MH25.6
11400Merritt	6" Clay	210	MH 22.7	CO 22.71
11450Merritt	6" Clay	76	MH 22.6	MH 22.7
11500California	10" Clay	183	MH 22.2	MH 22.3
11500Castro	10" Clay	463	MH 25.8	MH 26
11500Jackson	6" Clay	465	MH 25.1	MH 25.3
11500Merritt	PSM SDR35 6"	361	MH 22.7	CO 22.72
11550California	10" Clay	284	MH 22.3	MH 22.4
11600California	10" Clay	286	MH 22.4	CO 22.41
11600Castro	10" Clay	423	MH 26	MH 27
11600Jackson	6" Clay	489	MH 25.3	MH 25.2
11700Castro	10" Clay	602	MH 27	MH 28
11700Jackson	6" Clay	489	MH 25.3	CO 22.4
11800DelMonte	8" Clay	395	MH 28.1	MH 28.2
11900DelMonte	8" Clay	177	MH 28.2	MH 28.3
11950DelMonte	8" Clay	109	MH28.2	CO28.3
13000Blackie	8" Clay	250	MH 28.1	CO 28.11
TOTAL		8507		

CASTROVILLE COMMUNITY SERVICES DISTRICT



MORO COJO - ZONE 2 MONTHLY O&M REPORT AUGUST 2020

❖ **LIFT STATION @ CASTROVILLE BLVD**

- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/6/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/13/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/20/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/27/2020

❖ **LIFT STATION @ COMPO DE CASA**

- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/6/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/13/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/20/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/27/2020

❖ **JETTING ACTIVITIES**

- Jetted sewer lines btwn MH #76 to-MH #77
- Jetted sewer lines btwn MH #75 to-MH #76
- Jetted sewer lines btwn MH #76 to-MH #76.1
- Jetted sewer lines btwn MH #73 to-MH #73.1

- Total jetted 635 feet

❖ **OTHER MATTERS**

- Responded to 2 Underground Alert marking requests
- Cleaned and weed-whacked site
- SWRCB-Reported "no-spill" 9/1/2020
- Performed inspection of all storm drains in November 2019
- Investigated power supply issues from PG&E
- Mowed open space in May 2020 Consider doing again soon
- Detention Ponds cleaned and mowed

❖ **Improvements/CIP/Suggestions**

- Confirm that storm drain interceptors are clear
- Detention ponds are clean & fence secured



Moro Cojo
AUGUST 2020 JETTING

9/1/2020



ID	Material	Length	Downstream MH	Upstream MH
Esperanza/6	8" PVC	40	MH 76	MH 77
Esperanza/7	8" PVC	120	MH 75	MH 76
Esperanza/8	6" PVC	135	MH 76	CO 76.1
Viva Ln	8" PVC	340	MH 73	CO 73.1
	TOTAL	635		

CASTROVILLE COMMUNITY SERVICES DISTRICT



MOSS LANDING (ZONE 3) MONTHLY O&M REPORT

AUGUST 2020

❖ LIFT STATION # 1 (Struve Rd)

- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/6/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/13/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/20/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/27/2020

❖ LIFT STATION #2 (Hwy 1 @ Pottery barn)

- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/6/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/13/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/20/2020
- ❑ Did pump-down, alarm check, and general inspection of Lift Station 8/27/2020

❖ **LIFT STATION #3 (in front of Phil's fish market)**

- Did pump-down, alarm check, and general inspection of Lift Station 8/6/2020
- Did pump-down, alarm check, and general inspection of Lift Station 8/13/2020
- Did pump-down, alarm check, and general inspection of Lift Station 8/20/2020
- Did pump-down, alarm check, and general inspection of Lift Station 8/27/2020

❖ **LIFT STATION #4 (Potrero Rd)**

- Did pump-down, alarm check, and general inspection of Lift Station 8/6/2020
- Did pump-down, alarm check, and general inspection of Lift Station 8/13/2020
- Did pump-down, alarm check, and general inspection of Lift Station 8/20/2020
- Did pump-down, alarm check, and general inspection of Lift Station 8/27/2020

❖ **JETTING ACTIVITIES**

- Jetted sewer lines btwn MH #41 to-MH #42
- Jetted sewer lines btwn MH #42 to-MH #43
- Jetted sewer lines btwn MH #43 to-MH #44

- Total jetted approx. 966 feet

❖ **OTHER MATTERS**

- Responded to 11 Underground Alert marking requests
- Rehabbed failing Motor Control Center LS #3 in front of Phil's
- Finalized grant application for \$2.8 Million for upgrades, replacements and repair of sewer system
- Performed Bi-annual inspection of grease traps @ various facilities in and March 2019 and November 2019
- Emailed notice of "no spill" to CIWQS 9-1-2020
- Need to replace leaking Manhole #30 at Jetty Rd

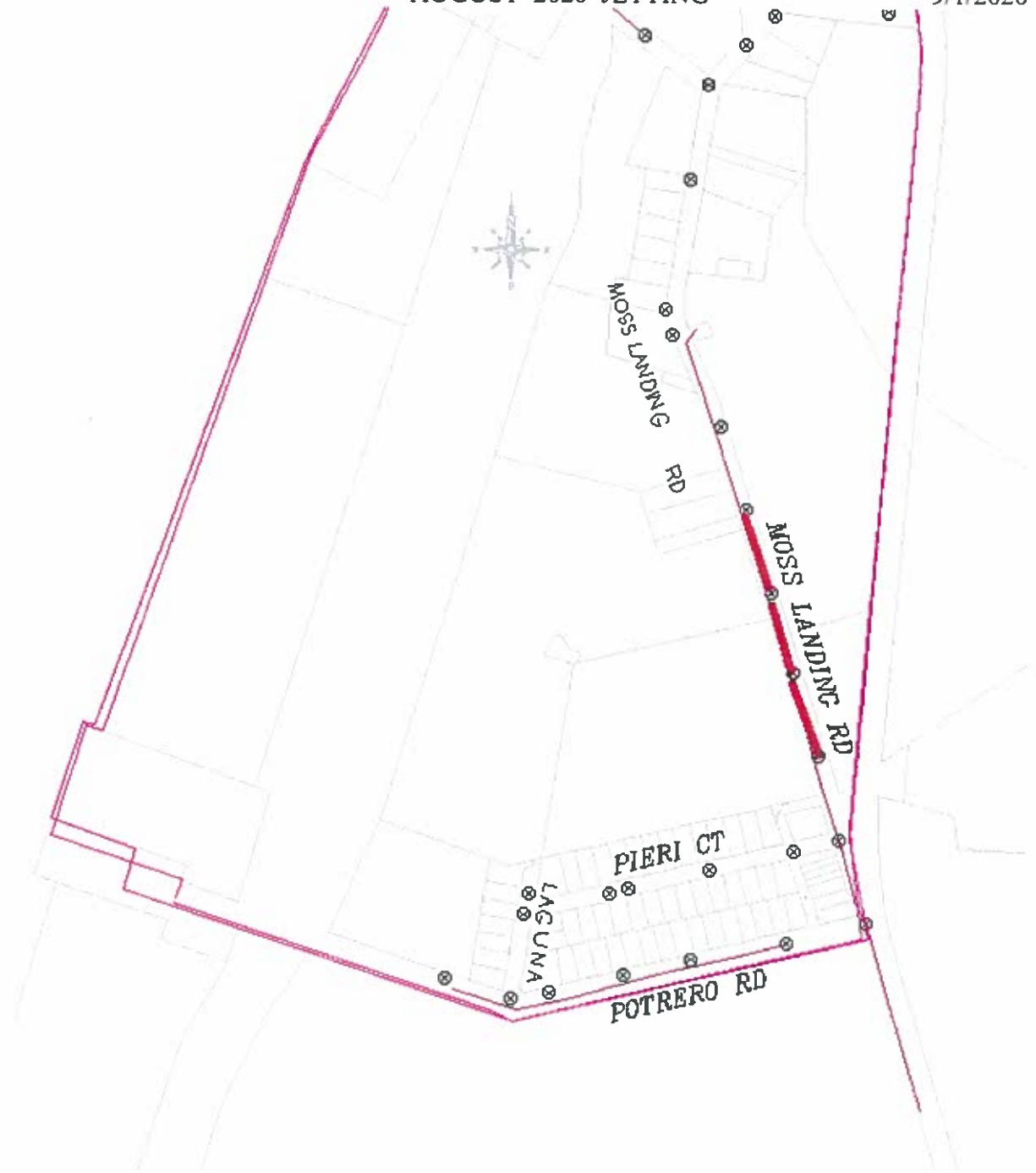
❖ **Improvements/CIP/Suggestions**

- Consider options for Elkhorn Bridge Force Main replacement
- Schedule pigging of Station #1 & Station #2 force mains



Moss Landing
AUGUST 2020 JETTING

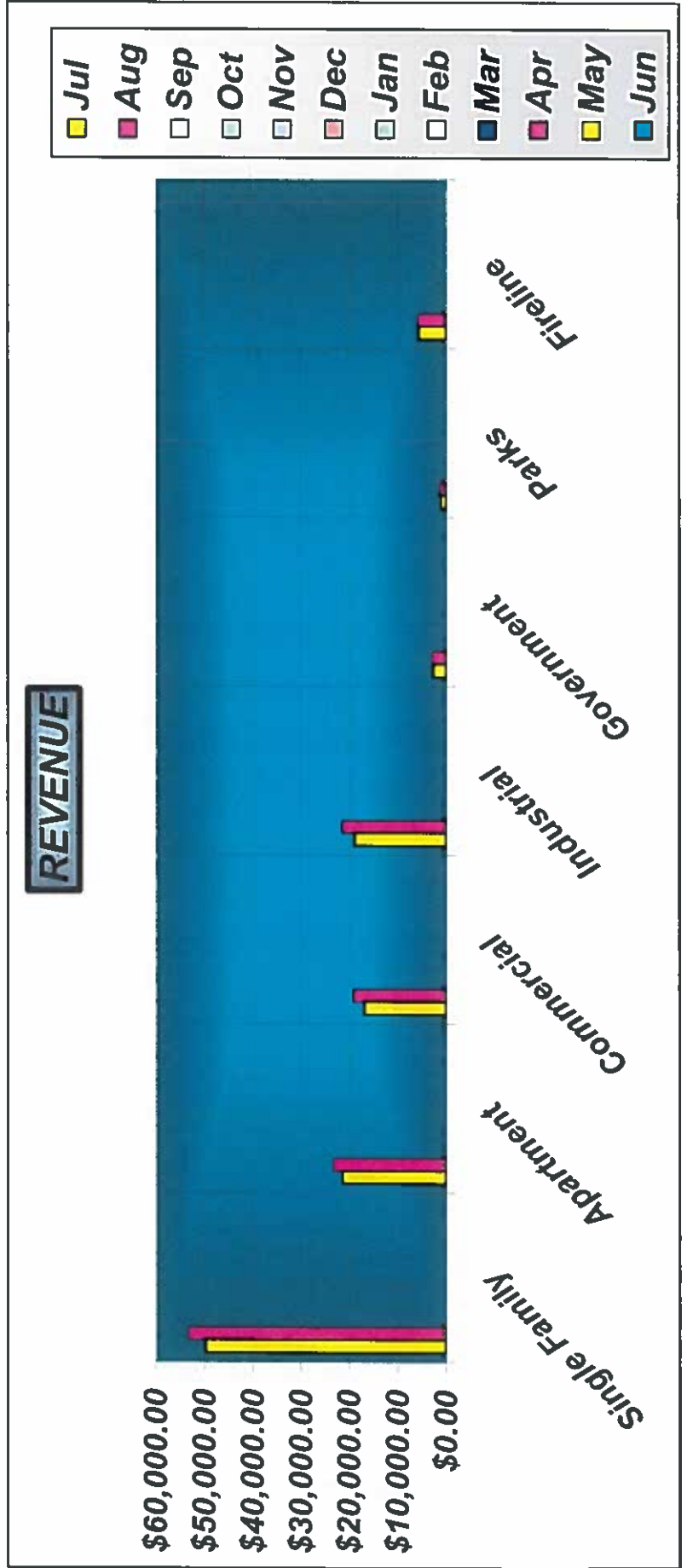
9/1/2020



ID	Material	Length	Downstream MH	Upstream MH
MH42>MH41	PSM SDR35 8"	306	MH41 ML	MH42 ML
MH43>MH42	PSM SDR35 8"	355	MH42 ML	MH43 ML
MH44>MH43	PSM SDR35 8"	305	MH43 ML	MH44 ML
	TOTAL	966		

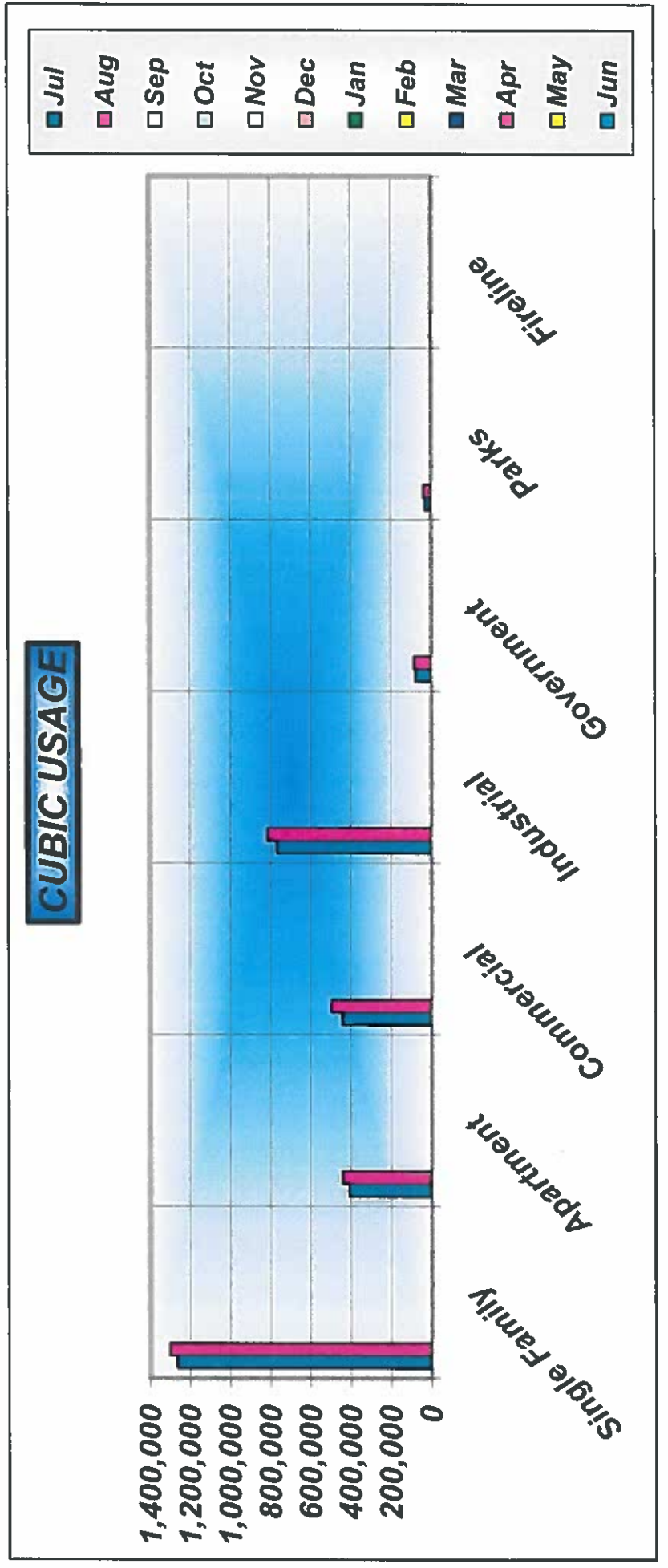
Annual Water Revenue By Classification 2020-2021

	Single Family	Apartment	Commercial	Industrial	Government	Parks	Fireline	Totals
Jul	\$49,649.00	\$21,294.98	\$16,889.31	\$18,835.59	\$2,574.53	\$1,085.08	\$5,613.89	\$115,942.38
Aug	\$53,326.87	\$23,317.35	\$19,295.92	\$21,548.54	\$2,920.27	\$1,315.00	\$5,838.02	\$127,561.97
Sep								
Oct								
Nov								
Dec								
Jan								
Feb								
Mar								
Apr								
May								
Jun								
Totals	\$102,975.87	\$44,612.33	\$36,185.23	\$40,384.13	\$5,494.80	\$2,400.08	\$11,451.91	\$243,504.35



Annual Water Usage By Classification 2020-2021

	Single Family	Apartment	Commercial	Industrial	Government	Parks	Fireline	Totals
Jul	1,266,231	409,916	443,312	768,387	77,860	31,099	71	2,996,876
Aug	1,303,548	440,895	497,728	815,692	84,680	37,931	39	3,180,513
Sep								
Oct								
Nov								
Dec								
Jan								
Feb								
Mar								
Apr								
May								
Jun								
Totals	2,569,779	850,811	941,040	1,584,079	162,540	69,030	110	6,177,389





PMIA/LAIF Performance Report as of 08/18/20



PMIA Average Monthly Effective Yields⁽¹⁾

Jul	0.920
Jun	1.217
May	1.363

Quarterly Performance Quarter Ended 06/30/20

LAIF Apportionment Rate ⁽²⁾ :	1.47
LAIF Earnings Ratio ⁽²⁾ :	.00004012766505335
LAIF Fair Value Factor ⁽¹⁾ :	1.004912795
PMIA Daily ⁽¹⁾ :	1.08%
PMIA Quarter to Date ⁽¹⁾ :	1.41%
PMIA Average Life ⁽¹⁾ :	191

*Revised 7/21/2020 per State Controller's Office

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 07/31/20 \$113.5 billion

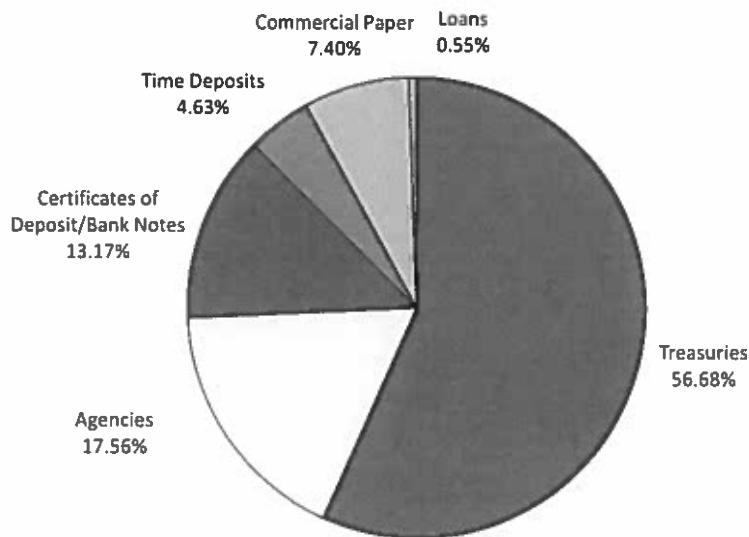


Chart does not include 0.01% of mortgages. Percentages may not total 100% due to rounding.

Daily rates are now available here. [View PMIA Daily Rates](#)

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) and interest earned on the Wildfire Fund loan pursuant to Public Utility Code 3288 (a).

Source:

⁽¹⁾ State of California, Office of the Treasurer

⁽²⁾ State of California, Office of the Controller

**CASTROVILLE COMMUNITY SERVICES DISTRICT
INTERNAL REPORT**

Receipts, Disbursements, and Bank Balances as of August 31, 2020

Ending balance as of July 31, 2020 \$12,713,582.20

MECHANICS BANK, GENERAL FUND - Revenue and Expenses

Beginning Balance	305,008.56
Water Receipts	137,036.84
Water-Sewer Miscellaneous Receipts	1,605.15
Interest Earned	2.60
Wire Transfer to LAIF 8/18/2020	(100,000.00)
NSF Check	(38.76)
Miscellaneous Over-Short	0.00
Bank Analysis Fees	(152.35)
Expenses (Checks Written)	(104,268.49)
Ending Balance for General Fund	<u>239,193.55</u>

MECHANICS BANK, CUSTOMER DEPOSIT FUND

Beginning Balance	65,164.74
New Deposits (opened accounts)	1,280.00
Interest Earned	0.57
Bank Analysis Fees	(26.39)
Deposits Returned or Applied to Accounts	(540.00)
Ending Balance for Customer Deposit Fund	<u>65,878.92</u>

LAIF FUND

Beginning Balance	9,445,398.45
Incoming Wire from Mechanics Bank 8/18/2020	100,000.00
Ending Balance LAIF	<u>9,545,398.45</u>

CAMP FUND

Beginning Balance Sewer (Zone 1) Capital Improve Account	120,459.46
Monthly Interest Earned	30.57
Ending Balance Camp Federal Security Account	<u>120,490.03</u>
Beginning Balance Sewer (Zone 1) Reserves Account	238,310.02
Monthly Interest Earned	60.48
Ending Balance CAMP Federal Security Account	<u>238,370.50</u>

Cal TRUST-INVESTMENT

Beginning Balance Sewer (Zone 1) Medium-Term Account	2,539,240.97
Income Distribution	2,507.04
Unrealized GAIN (Loss)	0.00
Ending Balance Cal TRUST	<u>2,541,748.01</u>

New Balance as of August 31, 2020	12,751,079.46
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Castroville Community Services District

List of Checks for August 2020

Date	Number	Name	Memo	Amount
General Fund Checking				
8/7/2020	5	CalPERS	Employees Monthly Health Benefits	\$ 12,430.76
8/13/2020	26524	ACWA JPIA	Employees Dental/Vision/EAP	\$ 1,078.45
8/13/2020	26525	Airgas NCN	Supplies for Well Sites	\$ 82.85
8/13/2020	26526	Aramark Uniform Services	Operators Uniforms & Mats	\$ 343.96
8/13/2020	26527	AT&T	Monthly Telephone Services	\$ 394.73
8/13/2020	26528	California Water Service Company	Water Meters Zone 2 Lift Stations	\$ 38.91
8/13/2020	26529	Castroville Hardware	Parts & Supplies	\$ 91.27
8/13/2020	26530	Conte's Generator Service	Repair Well Sites & Lift Stations	\$ 1,776.99
8/13/2020	26531	Eudoxio Orozco Jr.	Monthly Cell Phone Expense	\$ 40.00
8/13/2020	26532	Exxon Mobile	Monthly Fuel for Vehicles	\$ 578.64
8/13/2020	26533	GreatAmerica Financial Services	Monthly Lease-Billing Sorter & Meter	\$ 462.26
8/13/2020	26534	James Wilbee Co. Inc.	Parts & Supplies	\$ 132.01
8/13/2020	26535	Jonathan Varela	Monthly Cell Phone Expense	\$ 40.00
8/13/2020	26536	Lidia Santos	Monthly Cell Phone Expense	\$ 40.00
8/13/2020	26537	Monterey One Water	Bi-Monthly Sanitation Fees	\$ 26.50
8/13/2020	26538	Office Depot, Inc.	Office Supplies	\$ 237.08
8/13/2020	26539	Pacific Gas & Electric	Steel Garage	\$ 19.13
		continued	Lift Stations Zone 1 & 2	\$ 1,233.38
8/13/2020	26540	Postmaster	Annual Box Dues	\$ 326.00
8/13/2020	26541	Principal Life Group	Employees Monthly Life Insurance	\$ 111.06
8/13/2020	26542	R&B Company	Meter Registers-60	\$ 9,171.22
8/13/2020	26543	Redshift Internet Services	Monthly DSL Service	\$ 69.99
8/13/2020	26544	USA Bluebook	Parts & Supplies for Sites	\$ 1,465.65
8/13/2020	26545	Cardmember Service-Eric	Signs for Well Sites & Lift Station	\$ 181.87
		continued	Thermometer for Office	\$ 86.32
		continued	Leak Detector Device	\$ 1,995.00
		continued	Backflow Device	\$ 117.00
8/13/2020	26546	Cardmember Service-Lidia	Monthly Cell Phones GM & Lead Oper	\$ 101.38
8/13/2020	26547	Cardmember Service-Roberto	Monthly CCSD Web Page	\$ 124.95
8/13/2020	26548	WM Corporate Services, Inc.	Bi-Monthly Garbage Disposal Fees	\$ 54.62
8/13/2020	26549	Zoom Imaging Solutions Inc.	Copier Maintenance & Copy Fees	\$ 81.79
8/13/2020	26550	VALIC	Bi-Weekly Deferred Comp	\$ 1,726.00
	26551-			
8/13/2020	26556	District Employees'	Bi-Weekly Net Payroll	\$ 12,347.43
8/13/2020	1	Electronic Federal Tax Payment	Bi-Weekly Payroll Taxes	\$ 5,697.82
8/13/2020	2	EDD	Bi-Weekly Payroll Taxes	\$ 1,025.86
8/13/2020	3	PERS -Employees' Contribution	Bi-Weekly Retirement Benefits	\$ 1,414.30
8/13/2020	4	PERS-Employer Contribution	Bi-Weekly Retirement Benefits	\$ 1,931.06
8/27/2020	26557	Aramark Uniform Services	Operators Uniforms & Mats	\$ 343.96
8/27/2020	26558	Carte Graph	Annual AMS Subscription	\$ 1,486.80
8/27/2020	26559	Cole-Parmer	PH System for Well Site	\$ 642.05
8/27/2020	26560	CWEA	Collections Certification-Orozco	\$ 91.00
8/27/2020	26561	Monterey Bay Analytical Services	Water Testing Fees	\$ 692.00
8/27/2020	26562	Optimum Business Services	Office Supplies	\$ 393.35
8/27/2020	26563	Pacific Gas & Electric	Well Sites	\$ 11,873.70
		continued	Office	\$ 187.25
		continued	Street Lights Zone 1 & 2	\$ 4,396.17
		continued	Lift Stations Zone 3 Moss Landing	\$ 870.73
8/27/2020	26564	Rotary International	Annual Club Dues	\$ 165.00
8/27/2020	26565	SDRMA	Workers Compensation Fees	\$ 658.25
8/27/2020	26566	Underground Service Alert	CA State Fee for Regulatory Costs	\$ 291.78

List of Checks for August 2020

Date	Number	Name	Memo	Amount
	26567-			
8/27/2020	26572	District Employees'	Bi-Weekly Net Payroll	\$ 12,572.48
8/27/2020	26573	VALIC	Bi-Weekly Deferred Comp	\$ 1,776.00
8/27/2020	1	Electronic Federal Tax Payment	Bi-Weekly Payroll Taxes	\$ 5,863.56
8/27/2020	2	EDD	Bi-Weekly Payroll Taxes	\$ 1,053.39
8/27/2020	3	PERS -Employees' Contribution	Bi-Weekly Retirement Benefits	\$ 1,429.96
8/27/2020	4	PERS-Employer Contribution	Bi-Weekly Retirement Benefits	\$ 1,948.07
8/27/2020	26574	Adriana Melgoza	8-18-2020 Board Meeting	\$ 91.35
8/27/2020	26575	Cosme Padilla	8-18-2020 Board Meeting	\$ 91.35
8/27/2020	26576	Glenn Oania	8-18-2020 Board Meeting	\$ 91.35
8/27/2020	26577	James Cochran	8-18-2020 Board Meeting	\$ 91.35
8/27/2020	26578	Ronald J. Stefani	8-18-2020 Board Meeting	\$ 91.35
Total General Fund - Checking				\$ 104,268.49
Customer Deposit Fund				
8/31/2020	3923	Little Rainbow Day Care	Deposit Refund	\$ 16.53
8/31/2020	3924	Alba Romero	Deposit Refund	\$ 33.90
8/31/2020	3925	Sarah Tottino	Deposit Refund	\$ 45.15
8/31/2020	3926	Avelina Gapusan	Deposit Refund	\$ 19.64
8/31/2020	3927	Martin R. Perez	Deposit Refund	\$ 60.00
8/31/2020	3928	Castroville CSD	August Closure's	\$ 364.78
Total Customer Deposit Fund				\$ 540.00

Calendar for Year 2020 (United States)

January						
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October						
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November						
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29	30					
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December						
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26	27	28	29	30	31	
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Holidays:

Jan 1 New Year's Day	Jul 3 'Independence Day' observed	Nov 11 Veterans Day
Jan 20 Martin Luther King Jr. Day	Jul 4 Independence Day	Nov 26 Thanksgiving Day
Feb 17 Presidents' Day (Most regions)	Sep 7 Labor Day	Dec 25 Christmas Day
May 25 Memorial Day	Oct 12 Columbus Day (Most regions)	