



**PUBLIC WORKS AND UTILITIES DEPARTMENT
MONTHLY REPORT FOR
SEPTEMBER 2019**

***Note: New items and updates from last month's report are in bold print.**

PUBLIC WORKS

Natural Gas Distribution:

- Installed new gas meter for 1717 W. Elm
- Installed 5 new gas service lines for K-Hovnanian (Posa Chanet)
- Preparing for Gas system Audit first week in Sept.
- **Gas system Audit has been completed**
- **Some employees have received training and have been evaluated to be able to work on the gas system**

Water Distribution:

- Repaired water leak 138 W. Polk
- Repaired 4" water main leak Conn Ave
- Repaired water leak S. Joaquin
- Repaired 8" water main leak Farm of the future Gale Ave
- **Installation of 38 radio read water meters have been completed to help with re-reads in the area of Route 43**

Wastewater Collection:

- **Cleared sewer blockage Springbrook St.**
- **Cleared sewer blockage 4th to 5th Durian /Cedar Alley**
- **Cleared sewer blockage 100 blk Monroe/Jackson Alley**
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Sidewalks:

- **Section of sidewalk in front of 308 Cabrillo Dr. has been repaired**

Parks:

- New park tables, trashcans, BBQs, drinking fountains and light poles have arrived for Sandalwood and Centennial Parks - We have started installing new trash receptacles in Sandalwood and Centennial Parks all new park equipment should be installed by end of

September.-Installed 4 benches 2 at each park Sandalwood and Centennial. Concrete pads for tables and Awning have been poured for Sandalwood park. Centennial park to follow.

Miscellaneous:

- Wood chip should be installed in a few weeks Posa Chanet Blvd.-Postponed
- Painting of Red curbs by hydrants as begun- Moving forward in repairing red curbs that had already been painted and continue with painting of red curbs.
- **Started removal of excessive red curb markings in Posa Chante Area. Should be completed first week of October.**
- 2 Dead trees have been removed on Monterey- we will start removing dead trees in September. **7 Dead trees have been removed with more to follow**
- Installed 2 Recycle receptacles one in frame Park and one by Motts fountain.
- Removed Graffiti behind 825 S. Coalinga
- Installed new street name signs for Riesling Ln

Targeted Efforts to Enhance City Image and Business Appeal/Attraction:

No activity for the month of **September**.

UTILITIES

- Northwest Booster Station – P20 is down. P20 motor & pump have been sent out for repairs. Repairs should be complete mid-October. **On going**
- Northwest & Oil King Booster Sta. looking into replacing old air compressors and surge tanks with new equipment. Tri City Eng. now working on this. **Getting info for them.**
- City wide fire hydrant flushing. Will began sometime in September. **City wide flushing was done on 9/11 & 9/12.**
- Oil King Booster Station – P17 is down. P17 motor & pump have been sent out for repairs. Waiting for council approval to move forward with repairs. Council has approved repairs. Repairs should be complete mid-October. **On going**
- Crews have cleaned and weeded around the all the reservoirs and booster sta. **Complete**
- **Cathodic Annual Testing is being done on Palmer & Calaveras Reservoir September 25, 2019**

PUBLIC UTILITIES COORDINATOR

MyCivic

I was assigned to coordinate with MyCivic to develop a mobile app to facilitate better communication between the City and citizens. This application is intended to supplement our online presence alongside our website.

- Business Module Completed
- Report an Issue Module Completed
- Updated Places, Calendar, and PSA sections
- Added Veteran Banner Program section
- Restructured menu hierarchy
- **MyCivic App has been launched. Preparations are being made to announce it to the public on the November 7th City Council meeting.**

CivicReady

Assigned to find a solution to requirements from the state to have an emergency notification plan (boil water notices, water events, natural gas emergencies, etc). CivicReady is an extension to our website, so it is an easy fit.

- Beginning approval form & IPAWS application
- Created webpage links
- **Submitted MOA application to FEMA.**

Water Plant/Wastewater Video Surveillance

I was asked to build out a site-to-site networked surveillance system for both the water plant and the wastewater plant.

- **Received response from Alpha Video Surveillance, Hoffman security, and Royal Security.**
- **Created and submitted RFP to local surveillance vendors. Bid will close on October 18th.**

SCADA Updates

- **Provided updates to systems including: PC's, iPads, and VPN interface**

Cross Connection Control

- **Mailed notice to inspect letters to 61 businesses.**
- **Received a few responses from backflow testers and business owners**

Cathodic Annual Survey

I was asked to assist with coordinating the annual cathodic survey of our natural gas network. The survey starts on July 30th and should last until August 2nd.

- Coordinated efforts with Corpro to complete cathodic survey
- **Received results and begun to make corrections.**

Natural Gas System

I have been working with the Public Works department and Dan Bergman to help with the Natural Gas Audit of 2018. Additionally, I have been assisting with the response to PHMSA regulatory requirements.

- **Helped facilitate natural gas audit as a subject matter expert**
- **Created procedures for testing for electrical isolation**
- **Edited O&M to reflect new processes**
- **Identified and implemented changes required OQ training and evaluation in regard to electrical isolation testing**
- **Created a list of all natural gas meters, in sequence, that are connected to steel pipeline.**

- **Submitted responses to PHMSA/CPUC regarding actions taken to comply with NOA's**

WATER TREATMENT PLANT (WTP)

Alum sludge piles: We currently have about 4,000 tons of sludge to be removed. Jim Biscoe Company out of Chowchilla will be hauling off the piles starting mid-July. (\$96 ton, haul off 250 tons a day). Approximately 2,200 tons of sludge was removed off site to Avenal Landfill. Project has been Completed.

Working on card lock system for rolling gates, control room, shop, carbon room and rapid mix room. Charles Seders Construction is installing card lock system for the roll gates & control room doors. Work should begin July 8. New doors have been installed to the lab building. Working on running Electrical for the roll gates card read security system. Project should be completed by end of September. **On going**

Repair back fencing north of the WTP. Charles Seders Construction has also giving us a quote. Work should begin mid to late July. Work has begun and has been completed on replacing 600' of new chain link fencing. Completed

RFC Control Switches for all three filter buildings are down. Solomon Electric came out to trouble shoot. He can't seem to find the problem. Still on going, have contacted Dan McKay for a little asst. Still in progress. A new Analog Input Card was installed. All equipment up and running again. Completed

UCMR4 Sampling is schedule for March and once every ¼ after that for the rest of the 2019 year. BSK Lab is doing the testing. Next testing dates will be September 13, 2019. **Testing was done.**

Rosemounts and tank level sensors are being calibrated by Solomon Electric. This project hasn't started yet. **On hold.**

Solomon Electric is working on getting quote for backup Generator for the Water Plant. **On going**

Chemical room flooded on May 3 at 11pm. All pumps, motors and electrical panel were damaged in the flood. Solomon Electric is building new Electrical & PLC panels for pumps and motors to work with SCADA system. Project should be completed by end of August. Project has been completed and back online working with SCADA system. **Doing some fine tuning on new equipment.**

Patriot Environmental Services has started to haul off some of the old chemical that was used years ago and not being used now (Carbon, Sulfur Acid, ect.). **All chemical should be removed by the end of October.**

Patriot is also getting us a quote to haul off what is left in the fluoride tank and to wash it out. **Chemical should be removed and tank washed out by end of October.**

Surveillance security camera system getting quotes for WTP & WWTP. Got a quote back from Alpha Surveillance. **Larry has put out an RFP for Surveillance system.**

Westland Canal did some Copper Sulfate treatment to the canal on August 21, 2019. Completed and everything went great. Next schedule treatment for Copper Sulfate is September 24, 2019. **Has started and should be complete on September 25, 2019.**

Crew are busy painting basin 3 travel bridge. **Travel bridge has been completed**

South Moss screen at influent intake is down looking for company to check it out. Found company just waiting on a quote to come out and look at it.

Decant pump for Basin 1 & 2 has been repair and will be put back in service end of September. **Having alignment problems.**

Pinto St. – Approximately 30' of new fencing was installed on city RW cause by vegetation fire. Completed

P4 pump is out of service. Check valve went bad. Waiting on new valve replacement. Installed a new check valve P4 back in service. **Complete**

P6 wash water pump had a leaking check valve. Installed new 6" check valve. **Complete**
Installed new air vac valve as well.

P7 wash water pump had a leaking check valve. Installed new 6" check valve. **Complete**
Installed new air vac valve as well.

Univar – Working with company to remove acid tank.

P13 motor - Vibration test was done by Electric Motors. Checked out good

P14 motor - Vibration test was done by Electric Motors. Bad seal, needs to be sent off for repairs.

P15 motor - Vibration test was done by Electric Motors. Bearing worn out. Need to send off for repairs.

WASTEWATER TREATMENT PLANT (WWTP)

Drying beds:

Other items at Wastewater Plant:

- City crew working on getting pond 3 & 4 cleaned by spraying and burning the weeds, cattails and small trees. Ponds 3 & 4 starting to look good, but still have spraying and burning to do. **On going**
- Old Rifle Range Tires – **Waiting on Shamrock to sign city contract.**
- Surveillance security camera system getting quotes. **Larry sent out RFP for surveillance system**
- Working on getting Clarifier and Digester repaired and back in service. Crew has been flushing out lines and repairing diffusers on the digester. **Digester has been repaired and is ready for startup.**
- Clarifier has had some repairs done as well. Railing has been painted, all metal and the walls have been pressure wash to install protective coating and sweep arm has been taken down and is being worked on by West Hills Machine for repairs. Waiting on quotes for new weirs and sealant. **Repairs are still being done on the Clarifier.**
- West Hills installed some new locking mechanism on the C- trains. **Complete**

CITY ENGINEER

Project Status Update as of September 30, 2019:

1. Cambridge Signalization
 - a. Caltrans has approved the Encroachment Permit.
 - b. **The Right of Way Package was approved by Caltrans and the request for authorization of Construction was submitted on August 14th. Once we receive authorization for construction the project will be put out to bid.**

- c. **Funding is exhausted for 18/19 FFy. Awaiting release of Expedited Project Selection Procedure concurrence letter by FresnoCOG to move the CON portion of project to 19/20.**
 - d. Construction anticipated Fall/Winter of 2019.
2. Rule 20A Undergrounding
 - a. City Engineer working with PG&E to underground overhead utilities on Elm Avenue from Cambridge Avenue to just south of Cherry Lane.
 - b. Project moving along slowly and is still years away from construction.
3. Phelps Ave Improvements
 - a. **Bids were open August 27th and project awarded at September 5th Council Meeting. The project is anticipated to begin construction on September 30th.**
 - b. Plans have been resubmitted to Caltrans and we are awaiting comments. **There were some minor comments on the last submittal that were addressed. The encroachment permit will be approved pending State Clearinghouse approval of Notice of Exemption.**
4. ATP 2017 Cycle 3 Sidewalk Gap Improvements
 - a. City was awarded additional funds for the project for a total grant amount of \$1,284,000 and a local match of \$175,000.
 - b. **The project has been given an extension of 20 months to work with Caltrans and Fresno Council of Governments to find the best solution for the project.**
 - c. Meeting with the School went well and the design is taking the information from the meeting into account.
 - d. Topographic survey has been completed and design is underway.
5. ATP Cycle 4
 - a. City was awarded a grant in the amount of \$951,360 with a local match of \$66,360.
 - b. **The request for environmental studies was submitted to Caltrans on August 8th. The request will be on the October CTC agenda. Once the request is approved an RFQ will be released for Environmental Studies on the trail segments adjacent to the creek.**
6. RSTP - Forest/Truman from 1st to Elm
 - a. City was awarded additional funds for the project for a total grant amount of \$1,400,000 and a local match of \$125,000.
 - b. **Caltrans has approved the Encroachment Permit.**
 - c. **Project released for bidding on September 10th with a bid opening October 3rd.**
 - d. Anticipate construction in Fall/Winter 2019.
7. CMAQ - Paving of Various Alleys Ph. 3
 - a. Topographic survey has been completed and design is underway.
 - b. **Construction has been put off until next fiscal year due to wanting to replace underground utilities in the alleys.**
8. Water Treatment Plant Permanent TTHM Reduction Project
 - a. With Regional Water Resources Control Board review and approval permanent acid storage and feeding facilities changed to liquid CO2 for plant operator safety.
 - b. Design of permanent facilities in progress.

- c. Anticipate construction in Fall/Winter 2019.
9. WWTP Concrete Yard Boxes and Ponds Rehabilitation Project
 - a. Bids opened on November 8, 2018 and they came in over budget.
 - b. **Working with the City to reduce project scope and re-release for bidding.**
10. City Standard Updates
 - a. City Engineer has been directed to begin updated the City Standards to comply with recent standards. The city standards were last updated in 2006.
 - b. Water Standard Plan update to backflow preventer started.

DIRECTOR

- **Street Light Acquisition:** Conducted Kick Off Meeting with Tanko Lighting to begin the street light acquisition feasibility study.
- **TTHM:** Executed updated Contract for Services with City Engineer and MKN Consulting to finish the plans and specifications for the TTHM Project due to the recent change in engineering support services. Coordinated site meeting with Frisch and MKN to finalize design plans.
- **Derrick Bypass / Reservoir Assessment:** Continuing to work with IGS, MKN and City Engineer to establish a scope of work in order to proceed with a solution for the possible rehab/replacement of the bypass at the Derrick Tank assessment. Spoke with Paso Tank to research the possibility of rehabbing the Palmer Tank #1.
- Coordinating Water Plant staff and the City Engineer to continue the SCADA project moving forward with Frisch Engineering.
- Conducted initial conference call with Environmental Permitting Specialist for the Coalinga Water Plant PSM/RMP.
- Working with the City Engineer on location for secondary road into the Wastewater Plant per the wastewater bond project list.
- **Center Medians:** The City Engineer is developing a cost estimate for design and construction of center medians throughout the City. Conducted site visit with City Engineer and Robert to assess each location.
- Coordinating efforts with Caltrans to look into options of school zone designations near the Faith Christian Academy School. Followed up with Caltrans after receiving additional information from Faith Christian.
- The City Engineer is developing the abandonment of easement exhibits located on Monroe Street near Faith Christian H.S.
- Staff reviewed grant writing proposals, contacted recommended firm and prepared staff reports for next City Council meeting.
- Preparing project list for upcoming CMAQ and STBG Call for Projects. Considering Full reconstruction of Polk Street from Elm Ave to Monterey and additional trail segments from the trail master plan. Waiting on grant writing proposal.
- Reviewed documents from City Attorney and began the process of increasing our Force Account under the Uniform Public Construction Cost Accounting Act.
- Working in standardized informal and formal bidding procedures for smaller public works projects to expedite project delivery.
- Submitted the 2016 Urban Water Management Plan to State of CA with approved resolution.
- Finalizing cost allocations and budgets for Forest Street Reconstruction and Cambridge Ave
- Reviewing Parks Per Capita Program and potential projects. Prepared Resolution and staff report for Council consideration.
- Met with Wastewater Consultant and City Engineer to Discuss future uses of waste discharge, capital needs, and grant opportunities.

- Met with the School District to discuss transportation needs in addition to curb striping and bike and pedestrian safety enhancements.
- Working with MSDSOnline to consider a cloud-based program to house all safety data sheets for the City.