



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

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

PUBLIC WORKS

Natural Gas Distribution:

- Gas Leak Survey was completed by Manesco Corporation 40 Leaks where identified and 31 Leaks have been repaired.
- Watchdogs for Rectifiers have been turned on and are operating
- **Installed 4 new gas service lines for D.R Horton**
- **Relocated gas service line and meter at 633 College Ave**
- **Annual line locating has been completed**

Water Distribution:

- Repaired water leak 129 Truman
- Repaired water leak 504 Hayes
- Repaired water leak Derrick and Palmer
- Repaired 10" Water main leak Louisiana St.
- Repaired 2" water line leak 195 W. Elm
- **Flushing of water mains through out town has been done**
- **Repaired water leak 125 S. Sixth St.**

Wastewater Collection:

- Demo of sewer camera system has been done research continues

Sidewalks:

No Activity at this time.

Parks:

**New backboards and rims for basketball court have been installed at Sandalwood Park
New tennis court netting for Centennial Park has been ordered**

Miscellaneous:

- Wood chip should be installed in a few weeks Posa Chante Blvd.-Waiting on Contractor. **Contractor said it will be in next two weeks**
- Cleaned Outlets for storm drains out in creek and Merced basin
- Put up signs for Truck Parking for P. D.
- New Compact Roller has arrived dig out repairs will begin in a few weeks
- 2- New service Trucks have been delivered 1 more will be arriving soon.
- **Last Service Truck has arrived and all three trucks have been striped with new city logos.**
- Painting of Red curbs by hydrants as begun
- **The Planting of three fruit trees has been completed orange tree at Van Ness and 2nd plot and two plum trees at Motts fountain plot.**
- **5 Dead trees have been removed**
- **Repair of sink hole in front of 3041 Sierra Vista Dr.-complete**





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

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

UTILITIES

- Northwest Booster Station – P20 is down. P20 motor & pump have been sent out for repairs. **P20 has been looked at. Cost is about \$16,000. Repairs should be complete mid September.**
- Northwest & Oil King Booster Sta. looking into replacing old air compressors and surge tanks with new equipment. Waiting for quotes. **We have received a quote from a local construction company Goldsmith Const.**
- City wide fire hydrant flushing. Will began sometime in June. **City wide flushing was done June 28 & July 1.**
- Goldsmith Company came out to look at the surge tanks and compressors at the booster sta. and water plant. Waiting for quotes. **We got a quote and I will be going over it with Sean.**
- Oil King Booster Station – P17 is down. P17 motor & pump have been sent out for repairs. **P17 has been looked. Cost is \$25,500. Waiting for council approval to move forward with repairs.**
- Oil King Booster Sta. – P17 installed a new 8” water valve on the influent side of the line. Complete

PUBLIC UTILITIES COORDINATOR

- Received **62** backflow inspection reports for the 2019 year.
- Revised Backflow & Cross Connection Control Ordinance No. 770.
- Implemented Cross Connection Control processes at plan check phase.
- Installed new backflow at Coalinga Municipal Airport.
- Water Use Survey
 - Completed Standard Form for Water Use Survey
 - Requested Business License list. This process will take place when Finance migrates their business licensing software to Tyler Technologies next month.
- SCADA Updates
 - Assisted in deploying SCADA to a modern Windows environment.
 - Deployed SCADA remote software to new environment
 - Addressed some stability & security concerns
 - Unwired Broadband has become a single source for internet connection at the water treatment facility. Prior, 3 connections were being utilized.

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.

- **RSS Feeds Linked**
- **General information (links, phone numbers, photos) and passed to MyCivic.**
- **Awaiting response from various departments on “Report An Issue” module**

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.

- Coordinated efforts with CivicReady to put a mass notification system before the City Council
- Coordinating with CivicReady and staff to begin Training + Implementation

Streaming Solutions

Sean Brewer requested that I assist him in researching/pursuing various levels of solutions to Council's request to have online streaming as an option.

- Researched and prepared a presentation to Council on various methods to stream City Council meetings to various online platforms. This item was ultimately pushed back to August.

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.

- Created and priced a model that would provide full video surveillance of both the water plant and wastewater plant. This would be attached to the water plants current network infrastructure. It would include 12 cameras(mix of 4k and 1080p), point to point wireless connections, and a video storage solution. Wastewater would require a router, POE+ switch, and 5 cameras.
- Coordinating with Alpha Video Surveillance to price installation and design of a similar system. This price will show both a managed and unmanaged solution. I am still awaiting a response.

SCADA Updates

- Completed reliability tests on new SCADA computers
- Removed final "old" SCADA HMI and placed a new system in its place.

Cross Connection Control

- Second reading of ordinance has gone through
- "Water Use Survey's" ready to be conducted in August when Ordinance 770 goes into effect.

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)

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**

Champi Fence came out to give quote for new fence and repair fence at both Wastewater and Water Treatment plants. We received their quote and we are currently looking it over. Charles Seders Construction has also giving us a quote. **Work should begin mid to late July.**

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.**

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 will be June 14 & 28. **(Complete). Next testing dates will be September 13, 2019.**

Consumer Confidence Report Annual Drinking Water Quality Report for 2018 has been completed

Basin 3 is being taken out of service for yearly maintenance. Basin 3 annual maintenance is complete and back in service. Basin 3 was taken out of service for three days again due to floc arm chain broken. Chain has been repaired and basin put back in service. **Complete**

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

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

New screens were built and installed at the raw water intake well.

Rec Basin was drained and washed and cleaned out for annual maintenance.

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 July 22.**

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 end of July.**

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 July.**

Surveillance security camera system getting quotes.

Westland Canal did some Copper Sulfate treatment to the canal on June 20.

PG&E came out and checked their transformer for a short in the line that supplies power to the water plant.

Crew are busy painting (fire hydrants, bollards, stairways, piping & ect.)

WASTEWATER TREATMENT PLANT (WWTP)

Drying beds:

Other items at Wastewater Plant:

- Primary effluent pump installed and operating normally. **Second Effluent Pump will be back and installed mid July.**
- 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

- Al is working on getting quotes for new surge tanks and equipment for Northwest & Oil King Booster Station. Goldsmith is coming out to look at surge tank and compressor. Waiting on quote. **Looking over quotes.**
- Old Rifle Range – City crews have started removing the old tire and cleaning out the dirt inside the tires so that they can be hauled off to the landfill. All debris has been removed out of the tires. Waiting on recycling company to haul them off. **Waiting on quote from recycling company.**
- We have Mike Wilson Construction looking at installing a by-pass from the force main to the treatment plant for the Pond Rehabilitation Project. Mike Wilson has a quote in just waiting on council approval. Project to start on 4/23/2019. By-pass has been complete.
- Concrete Yard Boxes and Ponds Rehabilitation Project going out to bid May 28. **Bid closed June 27, 2019. Granite and Bush Construction put in bids.**
- **Surveillance security camera system getting quotes.**

CITY ENGINEER

Project Status Update as of June 30, 2019:

1. Cambridge Signalization
 - a. Caltrans has approved the Encroachment Permit and we are finalizing the Right of Way documents and going to submit the Right of Way package to Caltrans for approval. Once Right of Way is approved we will request authorization for Construction and once approved we will release the project for bidding
 - b. Right of Way documents **have been recorded. Waiting on FY 16/17 audit to be approved by the State Controller's Office and then will request for Right of Way approval and authorization to proceed with Construction.**
 - c. 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. Project construction pushed to spring 2019 by request of WHCC District to prevent construction conflicts with on-site construction of administration building.
 - b. **Plans have been resubmitted to Caltrans and we are awaiting comments.**
4. ATP 2017 Cycle 3
 - 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. Scope change was requested to include changes to Sunset Avenue as well as reduce the amount of improvements due to increased construction prices. Anticipate getting a response from the CTC on the scope change at the end of May.
 - 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. 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. **Plans have been resubmitted to Caltrans and we are awaiting comments.**
 - c. Anticipate construction in Fall 2019.
6. CMAQ - Paving of Various Alleys Ph. 3
 - a. Topographic survey has been completed and design is underway.
 - b. Construction is anticipated in 2019.
7. 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 Spring 2019.
8. WWTP Concrete Yard Boxes and Ponds Rehabilitation Project
 - a. Bids opened on November 8, 2018 and they came in over budget.
 - b. **Project has been re-released for bidding and bids were opened on June 27, 2019.**
9. 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.