



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

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

**PUBLIC WORKS**

**Natural Gas Distribution:**

- Installed 2 new gas service lines for D.R. Horton
- Repaired 4 gas leaks from gas leak survey
- Annual cathodic protection survey has been completed
- Installed new gas service meter for 250 Van Ness
- **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.**

**Water Distribution:**

- Installed a new 2" water service line for 250 Van Ness
- Repaired 2" water leak Coyote Springs
- Repaired 2" water service leak 1225 W. Elm
- Repaired water service line leak 590 N. Fourth St.
- **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**

**Wastewater Collection:**

- Cleaned out Sandalwood lift station
- Cleared sewer blockage 101 W. Polk
- **Cleared sewer blockage Springbrook St.**

**Sidewalks:**

**No Activity at this time.**

**Parks:**

- New tennis court netting for Centennial Park has been ordered- New Netting has been installed
- 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.**

#### **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.**
- 2 Dead trees have been removed on Monterey- **we will start removing dead trees in September.**
- Trees and bushes along Monterey have been trimmed
- Trees along Cherry Lane have been trimmed to height
- Re painting of cross walks around school zone will began first week in August
- **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 **August.**

#### **UTILITIES**

- Northwest Booster Station – P20 is down. P20 motor & pump have been sent out for repairs. **Repairs should be complete mid-October**
- Northwest & Oil King Booster Sta. looking into replacing old air compressors and surge tanks with new equipment. **Tri City Eng. now working on this**
- City wide fire hydrant flushing. **Will began sometime in September.**
- Goldsmith Company came out to look at the surge tanks and compressors at the booster sta. and water plant. We got a quote and I will be going over it with Sean. On Hold
- 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.**
- **Crews have cleaned and weeded around the all the reservoirs and booster sta.**

#### **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.

- Completed CMS and Report An Issue (RAI) Training
- Built initial list for RAI
- Updated/added general information
- Redesigned some aspects of the UI

- **Business Module Completed**
- **Report an Issue Module Completed**
- **Updated Places, Calendar, and PSA sections**
- **Added Veteran Banner Program section**
- **Restructured menu hierarchy**

## 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.

- Completed Network Admin training
- Built Public Works groups/users
- Tested network
- Whitelisted appropriate IPs (through code3)
- **Beginning approval form & IPAWS application**
- **Created webpage links**

## 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

- Process of updating the Windows environment destroyed data links. Had to rebuild data links for both PCs
- **Provided updates to systems including: PC's, iPads, and VPN interface**

## 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.

## Cathodic Annual Survey

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

- Created “Isolated Riser List” for 2019.
- Tested to make sure Annual test point list was only using valid test points.
- Tested Watch Dog Scout system to ensure they were still operating properly.
- **Coordinated efforts with Corpro to complete cathodic survey**

## **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.**

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.**

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**

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

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.**

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 September.**

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 September.**

Surveillance security camera system getting quotes for WTP & WWTP. **Got a quote back from Alpha Surveillance.**

**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**

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

### **Crew are busy painting basin 3 travel bridge**

Three new Water Apprentices Operators should start Aug 5, 2019

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.**

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.**

**P6 wash water pump had a leaking check valve. Installed new 6" check valve.**

**P7 wash water pump had a leaking check valve. Installed new 6" check valve.**

**Univar – Working with company to remove acid tank.**

## **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. Second Effluent back in service.
- 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 RFP**
- **Surveillance security camera system getting quotes.**
- Working on getting Clarifier and Digester repaired and back in service. **Crew has been flushing out lines and repairing diffusers on the digester.**
- **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.**
- Crews have been doing some painting around the plant.
- **West Hills installed some new locking mechanism on the C- trains.**

## **CITY ENGINEER**

### **Project Status Update as of August 27, 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 14<sup>th</sup>. Once we receive authorization for construction the project will be put out to bid.**

- 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. **Bids were open August 27<sup>th</sup> and project award is set for September 5<sup>th</sup> Council Meeting. The project is anticipated to begin construction on September 23<sup>rd</sup>.**
  - 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 should be approved any day.**
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 8<sup>th</sup>. 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 1<sup>st</sup> 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. Project will be released for bidding in the coming weeks.**
  - c. Anticipate construction in Fall 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 Spring 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**

- Working with Tanko Lighting on contract execution in order to begin the street light acquisition feasibility.
- 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.
- Derrick Bypass / Reservoir Assessment: Working with MKN and City Engineer to establish a scope of work in order to proceed with the design and specifications for the rehab/replacement of the bypass in order to facilitate Derrick Tank assessment.
- Coordinating Water Plant staff and the City Engineer to continue the SCADA project moving forward with Frisch Engineering.
- Executed the professional services agreement 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.
- Developing cost estimate for design and construction of center medians throughout the City.
- Coordinating efforts with Caltrans to look into options of school zone designations near the Faith Christian Academy School.
- Working on an abandonment of an easement located on Monroe Street near Faith Christian H.S.
- Received and currently reviewing grant writing proposals – staff received 7 proposals and expects to bring forward a recommendation to the City Council on September 19<sup>th</sup>.
- 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.
- Working with the City Attorney to start the process of increasing our Force Account under the Uniform Public Construction Cost Accounting Act.