



**PUBLIC WORKS AND UTILITIES DEPARTMENT  
MONTHLY REPORT FOR  
DECEMBER 2018**

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

**PUBLIC WORKS**

**Natural Gas Distribution:**

- Gas leaks have been continued to be repaired from gas leak survey-98% complete
- New Gas meter for schools new Mechanic teaching building has arrived and will be installed in Early January
- 5 New service lines have been installed for DR Horton
- 1 New service line installed on Monterey
- Repaired gas leak Hachman and Coolidge
- 4 new service lines have been installed for DR Horton
- All manual gas meters out on Petite Sirah Lane are being changed to radio read

**Water Distribution:**

- Repaired water leaks 158, 158 ½, 188, and 188 ½ E Glenn
- Repaired water leak 141. S Third St.
- Installed new water service on Monterey
- **Water leak repaired 300 Blk Tyler**
- **2" water meter replaced with new 2" radio read meter at 1620 E. Elm**
- **Large water meters 3" and up will be tested for accuracy Mid -January**  
**Did flushing on the distribution system**

**Wastewater Collection:**

- One New Pump for highway lift station has arrived and will be Installed Early December  
- **New Pump for highway lift station has been installed and new spare pump has arrived.**
- Sewer blockage Baker/Truman x2
- Sewer blockage Elm/Van Ness x2
- **Sewer blockage 3<sup>rd</sup> and Elm**
- **Sewer blockage 6<sup>th</sup> to 7<sup>th</sup> between Elm and W. Durian**

**Sidewalks:**

- 129 College Sidewalk has been poured and completed
- 178 College Lifted Sidewalk has been repaired completed

- **New sidewalk repair locations have been identified and will begin repairs January.**

#### **Parks:**

- Sandalwood Park – Replacement slide ordered. Playground area made safe until replacement slide arrives. Cost is \$3,683 with shipping and is available in the current budget. Needs a new water fountain. Cost \$4,000. New backboards for basketball courts and restriping of court. Cost \$600. Replacement slide has been delivered and will be installed early October- Early November Slide at Sandalwood Park has been installed.



#### **Miscellaneous:**

- Tree trimming has continued -Removal of Dead Trees has started 10 trees have been removed already. Dead Tree removal has continued 7 more have been removed
- 15 new employee parking signs for Have A Heart have been installed at parking lot on 6<sup>th</sup> and Elm.
- Graffiti on Walls out on Merlot and Chardonnay have been painted over
- Cross walks along California and Baker have been painted more will be painted during school break in December.



- Flag pull tether rope above city hall has been repaired
- **Section of Awning behind City Hall had to be removed due to falling new support beams to be installed.**
- **Four tree stumps have been removed on Baker/Lincoln**
- **New street name sign installed at E. Valley and S. Hachman**
- **New street name sign on E. Sacramento / W. Forest that was missing has been installed and missing signs will be replaced as they are identified.**
- **Remodel of Public works restroom 90% complete**

#### **Targeted efforts to enhance City image and business appeal/attraction:**

- Pot holes on streets and alleys have continued to be identified and are being repaired

#### **UTILITIES**

- Oil King Booster Pump Station – Pump-18 motor and pump have been repaired & installed and running great. We have a control issues with the auto-switch so I will have Solomon Electric take a look at it. Auto switch has been repaired and P18 is running good. Complete
- Northwest Booster Station - When the motor and pump run it is leaking at the base plate. Waiting on new gasket. P19 motor and pump have to be pulled. Need new base plate. West Hills Machine will be doing the work. **Still in progress**
- Calaveras reservoir had speed controls installed on the new cla-val to help reduce water hammer on the water main coming into the tank. Complete. Also, we now have full control of the new cla – val working off the SCADA system. Complete
- Hwy 33 / 198 PRV Device was put in service for a day to see if it was working correctly. Had Water Treatment Plant Operators work 24 hr shifts to monitor Palmer Reservoir so it doesn't drain the tank. PRV Device is now in service and working correctly. Now we have to work on the SCADA system for Palmer Reservoir low level alarm. Complete and working correctly.
- Palmer Reservoir - Frisch Eng. worked on SCADA system for tank level and low-level alarm system. Complete and working correctly.
- Water Sample test site #5 & #7 were repaired. Complete
- Northwest Reservoir water main air vac just below the tank was repair and replace with new air vac. **Complete**
- Northwest & Oil King Booster Sta. looking into replacing old air compressors and surge tanks with new equipment. **On Going**
- **City wide fire hydrant flushing**

#### **PUBLIC UTILITIES COORDINATOR**

- 56 completed backflow inspections. Complete
- 6 Inspections received a deferred deadline due to “Return to Sender” (i.e. wrong address).
- 100% (19 units) of City owned backflow devices have been tested and repaired. Complete
- 11 New backflow devices have been slated to be installed. 5 of these have been deemed to be in sensitive locations and cages have been procured for them. These will all be going at various City Owned properties. All parts have been received as of 10/22/18. 2 out of 11 have been completed
- Auto-generate notifications based on various parameters set through a database. **Complete**

- All backflow information imported into appropriate Excel data sheet. This will be upgraded in the future. **Complete**
- Database has been normalized and SQL backend is 100% complete. **Complete**
- Database frontend will be MS Access. This must be coded through VBA and is time intensive. **80% completed**
- All backflow information imported into appropriate Excel data sheet. This will be upgraded in the future. **On going**
- Database frontend will be MS Access, and entry format is 25% complete. This must be coded through VBA and is time intensive. **35% completed**
- Website information is presently 90% complete and will be finished by Thursday. Presently working with Sean, Eric, Kristi, and Anthony to organize documents. **Complete**
- Water Treatment Plant has order two backflow devices to replace older models. **One of the two new units have been replaced**
- Business Owned Backflow Installation has been (Delayed).
- **Round 2 of backflow inspection notices have been sent out. 13 passed, 5 failed, 41 have no response yet. - Ongoing**
- **Acquired Cross Connection Program Specialist Certification!**
- **Installed 4" backflow assembly at Water Treatment Plant, awaiting parts for replacement of 6" backflow assembly. - 50% Complete**
- **Supporting documents for "water use survey" have been completed. Surveys ready to begin first week of January. - Ongoing**

## **WATER TREATMENT PLANT (WTP)**

Alum sludge piles testing report by BSK is back. Matt from Cal Water Services is looking into pricing to haul off alum sludge piles. Matt found us a company out of Chowchilla to haul off the Alum Sludge Piles (\$96. Ton, haul off 250 tons a day) we currently have about 4,000 tons of sludge to be removed. Going to council to get approve to remove 500 tons a year. **Contractor to start first of the year.**

Filter inspections have been started on the filter beds and are still in progress (One a Month). **December filter inspection has been done on filter bed 3 & 6.**

Preventive Maintenance – Working on quotes for electrical panels, motor controls, control cabinets and transformers. Project was approved by Council and contractor given notice to proceed. Solomon Electric was awarded the contract for the preventive maintenance project. Contractor started work on October 1. **Solomon Electric has completed 100% of the maintenance work**

Working on quotes for painting all outside exterior structure Doors, Trim and Iron Gates and the pump house interior walls, ceiling, motors, pumps and electrical panels. Still in progress and waiting on vendors to get back to us. No luck with vendors getting back to us. So, we will try again in the spring time. **Still in progress**

Working on quotes for card lock system for rolling gates, control room, shop, carbon room and rapid mix room. **Still in progress and waiting on vendors to get back to us.**

Solomon Electric installed new led lights on the Hypo Building and the electrical room.  
**Complete**

Evans Heating & Air came out to look at getting the Ammonia Chiller unit working again. This unit has been down for a very long time. They also looked at the existing AC unit on top of the Hypo room for replacement quote. Waiting on controller to come in and quote for new AC Unit. Install new Ammonia Chiller controller. Chiller working great, now waiting on new AC Unit. New Ac Unit has been installed and working great. **Complete**

Bogie's Pump Company will be out to service the three pumps on the walking bridge on Basin 3. Bogie's Pump came out to service the three pumps on the travel bridge on basin 3. All three pumps are non-serviceable. All three pumps are 26 years old. We had to order three new pumps under emergency action. Just in case we loss another water treatment basin. Bogie's pump will be out Dec 3, 2018 to install all three new pumps and valves. **Project Completed**

Basin 3 was taken out of service for annual maintenance. Still down until we get the new pumps and valves installed. **Still down**

Basin 3 Sludge Pump was removed and taken to SCI Inc. for repair. Pump should be back on Dec 5, 2018 and installed. **Sludge Pump was installed and has been completed**

Champi Fence came out to give quote for new fence and repair fence at both Wastewater and Water Treatment plants. **Still waiting on quote**

Hypo tank leak fixed and repaired. **Complete**

Telstar will be out to work on the limited torque valves on filter beds 3 & 4 on Dec. 3, 2018. **Completed**

All Reservoirs, Booster Sta. & WTP have been sprayed for weed control.

All WTP and WWTP Operators attended a Hach Webinar Training on T.O.C.

Telstar will be out to do their quarterly Acid Cleaning on the OSG Cells. **Quarterly cleaning Completed**

**Air Scour Blower up and running again**

**Mike Wilson Construction will be out do some valve replacement and run 40' of C900 pipe for the new TTHM Facility starting after the first of the year**

**Fixed paddle on the Rapid Mixer**

**Installed new 4" Back Flow Device by Control Room**

**Water leak repaired at chlorine station by cemetery**

**Westland Canal will have plant shut down on January 14 -18, 2019 for annual maintenance. City Water Treatment Plant will be down as well. They are asking for the residents to help conserve water at that time. Notices will be mailed out, it will be in the local paper, on the pride sign and on face book.**



## WASTEWATER TREATMENT PLANT (WWTP)

### Drying beds:

The wet well that collects the liquid from the drying beds should have two submersible pumps but one is missing. This back up pump has been missing for as long as any of the operators can recall. Replacing the missing pump will be added to next year's budget. The one pump that has been running for years has finally failed. We replace it with a new Flygt pump and we have a second one on order for back up. Second pump is three weeks out. Still waiting on pump to come in. Pumps has arrived and has been installed. Waiting on HR Electric to come and wire the unit.  
**Completed**

### Other items at Wastewater Plant:

- Primary effluent pump installed and operating normally. Second effluent pump has been removed and sent to the shop for repair. Council approved repair work quote and contractor has been given notice to proceed with work. Pump is being repaired at this time. SCI is waiting for the Bowls to come in, so they can put the pump back together.  
**Still waiting**
- 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**
- Clarifier Basin has been drained and cleaned. Completed. Basin is on hold right now.
- Scum pile is being removed to the landfill. Complete
- Al is working on getting quotes for new surge tanks and equipment for Northwest & Oil King Booster Station. **On going**
- 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. **Still in progress**
- WWTP Concrete Yard Boxes and Ponds Rehabilitation Project. On Hold **Going out to rebid**
- **Old dog pound building is getting painted inside and out**
- **Working on getting new laptop for daily Dissolved Oxygen Probes for all five ponds**

## CITY ENGINEER

### Project Status Update as of December 20, 2018:

1. Cambridge Signalization
  - a. **Plans resubmitted to Caltrans on 12/14/18 based on their recommendations. Anticipate approval of plans or minimal comments within 30 days.**
  - b. A meeting was held with Caltrans on November 6<sup>th</sup> to determine options regarding lane widths and traffic striping. Traffic counts were submitted to Caltrans and we are awaiting a decision from Caltrans traffic operations regarding final lane determinations. Will continue pushing Caltrans to get information regarding final decisions so that the plans can be updated and resubmitted.
  - c. Construction pushed to 2019 due to additional requests by Caltrans.
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.
4. ATP Cycle 2 – Sidewalk Gap Closure Construction
  - a. **Project was awarded to RJ Berry Jr., Inc. at 12/6/18 council meeting.**
  - b. **Construction will begin on January 7, 2019 and completion of project is anticipated at the end of March 2019.**
5. 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. Design anticipated in the fall of 2018 based on grant scheduling.
  - c. Request for engineering design funding was approved by the CTC.
  - d. Topographic survey is scheduled to begin soon for the project.
  - e. Meetings will be scheduled with the School District to discuss proposed improvements on California and Baker.
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. Design nearly complete and anticipate submitting plans to Caltrans by the middle of December.
  - c. Anticipate construction in Spring 2019.
7. CMAQ - Paving of Various Alleys Ph. 3
  - a. Topographic survey has been completed and design is underway.
  - b. Construction is anticipated in 2019.
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. **Recommend rejecting all bids, revising plans and specifications to reduce project scope to within budget and release for bidding with updated documents.**
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.

Respectfully Submitted

Pete Preciado, PE  
Public Works and Utilities Director