

Woodland Public Works crews handled 28 calls daily over past 3 months

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Woodland Public Works staff handled about 28 requests for service each day during the 65 days of the second quarter, officials reported.

The information is contained in the March through May status report provided to the Woodland City Council. For the entire calendar year through May 31, city public works crews have received 3,150 service requests and completed 4,936 work orders.

For the three-month, March to May period, that works out to 57 electrical service requests, 131 service requests in facilities, 76 in sewer, four for signs and markings, seven for storm drains, 117 for streets and 892 for water.

Of that, there were 51 electrical work orders completed, 602 completed under environmental services, 212 in facilities, 427 work orders finished for the city's fleet division, 211 in pre-treatment for the sewer system, 416 in sewer directly, 192 under signs and markings, 101 storm drains worked on, 235 work orders involving streets, 89 for the city's water pollution control facility and 475 under the city's water system.

Under each department and division, that work breaks down to the following:

Environmental Services Division

Solar project: Received third quarter Asset Management Report for the City's solar photovoltaic system for fiscal year 2018-19. From the report: "An analysis of the PV system production shows that over the first three quarters, the City's PV systems produced 93% of what would be expected in typical weather adjusted year. This general underperformance was primarily due to soiled arrays during the first quarter. Production during the third quarter, from January through March 2019, was 103% of expected.

Household Hazardous Waste: The California Product Stewardship Council hosted Yolo County's first reusable 1 lb. Propane Cylinder Exchange Event where Yolo County residents were invited to receive a free reusable cylinder by bringing an empty single-use cylinder for proper disposal. At the event, CPSC gave out 93 reusable 1 lb. propane cylinders to residents and collected more than 100 single-use cylinders. The event is the first of several events sponsored by a CalRecycle household hazardous waste grant awarded to the City of

Woodland as the lead agency for the regional grant project. CPSC has successfully recruited three retailers to sell and refill the reusable 1 lb. propane cylinders and is continuing recruitment of additional retailers countywide.

Solid waste – Bulky Waste Event: This year, all Woodland residents received a voucher to take their load of bulky waste items directly to the Yolo County Central Landfill any time during the month of April. The event proved to be a success with an increase in participation and tonnage received for trash and recycling. There were 958 residents that brought 184 tons of materials, of which over 51% of it was recycled.

Solid waste: Staff attended the annual Woodland Street Cruisers car show on May 11 to provide outreach information on proper used oil and filter recycling. Environmental Services teamed up with Fumoto, Inc. to provide 85 free oil drain valves to Woodland residents to help reduce spills during oil changes. Materials from this event are funded by CalRecycle's Oil Recycling Grant.

Environmental Services: Staff has continued to work with Waste Management to identify and resolve issues related to the rollout of "smart truck" technology to residential customers. The system uses streaming video feeds to provide documentation of truck and driver performance, as well as of the condition and content of carts being collected. This will allow Waste Management to identify carts in need of repair or replacement and to document cases of overfilled or contaminated carts. Additionally, the staff has continued to work with Waste Management to educate residents on the coming program, including information on how to recycle properly and subscribing to the right size carts, and potential surcharges for contamination and overages.

Fleet & Facilities Division

Fleet Services: Purchased 15 of 21 vehicles. The new Police H.O.S.T truck should be delivered within a week or two and then will be sent to Elk Grove to be upfitted. Fleet Services is also pursuing a Sacramento emergency Clean Air Transportation grant to purchase two all-electric work trucks for Utilities; this grant would also cover the costs of two dual-ported electric vehicle charging stations that will be installed inside the vehicle yard at the Municipal Services Center. A Council Resolution will be required to execute the SECAT Grant

Contract; Fleet Services is in the process of gathering all the required paperwork for the grant process and should be prepared to have the Resolution ready for the Council to approve in July.

Facilities Services–City Hall Fire Alarm Installation Project: City staff completed the design process to install smoke and carbon dioxide detection systems throughout the three floors at City Hall. The plans will also include a heat detection system in the basement to cover areas that contain critical documents. Key staff members would be notified by text,

email, or phone if there were any alerts after hours and on the weekends during times when there are no staff members inside of the building. The estimated timeline for completion for this project is September 2019.

Right of Way Division

Electrical – Surveillance Monitoring Equipment: The Electrical group has installed cameras at various parks, City Hall, and well sites, with several more park and City facility locations slated for Spring 2019. The intent is to deter crime and vandalism in order to protect the public, as well as city property. This will be an ongoing project as more problem areas are identified.

Electrical – Control System Security: The Electrical and Technology Services groups are working in a joint effort to test the security and reliability of our Industrial and Traffic Control Systems. We are working in conjunction with Homeland Security to eliminate potential targeted attacks on the city's water, wastewater and traffic infrastructure. This project is expected to take one to two years to complete.

Electrical-Solar LED Street Light: The Electrical Group is currently testing solar-powered street lighting to see if this could be a viable replacement fixture for our old antiquated series light circuits. Being that these circuits are so old, replacement parts are becoming very difficult to find. To compound this issue, PG&E has exhausted many of their replacement parts that supply the power to this specialized system; once they're gone, PG&E won't be able to repair their end of the system. So far we are seeing positive results. Our test units have motion sensors attached to them that allow them to drop to 40% power when there is no movement, and then jumping to 100% when a car or pedestrian is nearby. If we continue to have positive results, these could be a cost-effective way of dealing with these older lighting circuits. We are expecting to have final results in by end of summer 2019.

Streets – Road Maintenance: Responded to, and proactively filled, numerous potholes throughout the City. Focused primarily on Gibson Road and West Main Street. Streets also completed the annual trip reduction project.

Streets – Annual Road Maintenance: Started annual utility trench repair project. Also assisted with storm duty.

Utilities – Sewer and Storm Division

- The Collection Division has responded to more than 83 Service Requests with an average response time under 20 minutes.

- Collections crews performed routine inspection/maintenance on City Lift Stations and inspected 14 miles of Storm Ditch.
- We have worked with Community Development Department engineering on various capital projects like the renewing of infrastructure of W. Main and Court St., Matmor Road rehab, CR 102 Interchange, and Spring Lake Developments.
- Additionally, work being done with Capital Improvement Projects include 2018 Back of walk project, E. Main St pump station, 103 Lift station storm lining, North Regional Pond, Dog Gone Alley, and Spring Lake & Gibson Rd. Sewer repairs.
- County Probation crews have assisted the City Collections division in the cleanup of multiple homeless camps & debris in various locations throughout the City.
- Collections staff have been performing weed abatement throughout the City as well as coordinating with Fire & Police to organize a controlled training burn in areas where vast amounts of vegetation grow.
- Within the last quarter, Collections Preventive Maintenance crews cleaned 97,690 feet of mainline pipe and inspected 69,818 feet. Crews have been dealing with CCTV equipment breakdown as well as being short three full-time employees.
- Additionally, crews inspected 659 feet of sewer laterals and rodded 388 feet of root intrusion in city-owned sewer service laterals.
- Operation & Maintenance replaced 442 feet of sewer service laterals & 79 feet of sewer mainline. Staff also installed 12 new City sewer cleanouts for maintenance.
- County Probation & Woodland PD Host program crews have worked closely with the Collections group in the cleanup of multiple homeless camps & debris in various locations.
- Collection crews worked closely with the Community Development Department on plan review and inspection for the new infrastructure within the Spring Lake Development performing final inspections on Cal-West and Oyang subdivisions.
- Collections O&M went out to bid to contract Sewer Gravity Main Inflow and Infiltration issues, but received zero bidders. Due to the scope of work, and liability associated with it, this will need to be a near future CIP.

Utilities – Water Production and Distribution Division

Wells: All groundwater wells are currently off or in the “standby” position.. The Aquifer Storage and Recovery Wells 28, 29 & 30 are currently injecting 3.9 million gallons per day. Distribution Division crews continue working on system repairs and improvements. CIP 18-09 (Water Main Replacement Project) is moving along smoothly and is about 80% complete.

Westucky is now complete. Preventive Maintenance crews continue to strive to meet the expectations of our valve exercising program. During the past quarter, there have been four water main breaks, 18 water main valves, fire hydrants replaced, 969 water main valves exercised, 130 water meters tested, 71 water meters replaced and 12 water quality calls.

Wastewater Operations Division

Laboratory: The new laboratory certification was sent to us at the end of April and is now posted on the wall; we are still waiting for results of the audit conducted at the end of last year. Staff continued to test final effluent for coliform bacteria 7-days/week in support of the recycled water project. Laboratory staff has been attending training on The NELAC Institute regulations that are expected to roll out at the end of 2019. Performed Toxicity Testing for the second quarter of 2019 and have the third quarter testing planned for September. Laboratory staff has applied to take their next laboratory analyst grade exam in September and are attending workshops to study for it.

Pretreatment: Performed Local Limits Monitoring for the second quarter of 2019. Pretreatment Staff attended the annual California Water Environment Association Pretreatment, Pollution Prevention and Storm Water Conference. Worked with Significant Industrial Users and Businesses of Concern to incorporate process modifications into their discharge permits. Placed public outreach messages for the Pollution Prevention Program (no trash down the toilet, proper disposal of fats, oils, and grease, only rain down the storm drain, etc.) on the City's new electronic billboard on Interstate 5. Performed Local Limits Monitoring for the second quarter of 2019.

Regulatory Compliance: Prepared and submitted Annual and Monthly reports to the Regional Board in accordance with our National Pollutant Discharge Elimination System Permit. Continued participation in the Central Valley Clean Water Association special studies on Methyl Mercury, Freshwater Mussels, and Low-Level Toxicity. Laboratory staff has attended California Water Environment Association sponsored training sessions on the implementation of the forthcoming Environmental Laboratory Accreditation Program (ELAP) regulations. Pretreatment staff distributed questionnaires and information packets to local dental practices in compliance with Environmental Protection Agency's 2017 Dental Industrial User rule. The response rate has been encouraging.

Water Pollution Control Facility: The Treatment Plant staff continues to operate the upgraded facility. Learning how the plant responds to upsets, changes in operating procedures, and changing weather are being evaluated with careful attention to how it affects effluent quality. Operations and Maintenance has been working on preventative maintenance like replacing UV lamps, changing oil, repairing stuck or broken valves on clarifier #3 and ponds, cleaning and replacing high speed blower air filters, working with electrical & instrumentation replacing process meters, and adding some solids level monitoring meters to the clarifiers to help with operation and treatment of the system.

Recycled Water Delivery: The City is delivering recycled water to the system's primary customer, Biomass. Staff from Wastewater Operations, Water Distribution/Production, and Utilities Engineering continue to work together to provide our customers with recycled water. Utilities Engineering is researching additional storage capacity, and operations is fine-tuning the system in order to better serve our customers, and to ensure a consistent and reliable recycled water supply. Water Production has been monitoring offsite infrastructure and maintaining surge tanks.