

STAFF REPORT

City Council Consent Item

DATE: February 20, 2024

TO: Honorable Mayor and Council Members

FROM: Brendan Byrd, Public Works Director/City Engineer

SUBJECT: **Public Works/Engineering Department Monthly Report**

STAFF RECOMMENDATION:

Receive report as an informational item.

EXECUTIVE SUMMARY:

Public Works Director/City Engineer

Police Facility Remodel Project

The police facility project continues to progress on schedule, with a completion date anticipated for late March. The contractor has installed the flooring and ceiling tiles, the built-in desks and cabinetry, and the finished plumbing and electrical components. Staff anticipates the building will also have full electrical power by February 20th. The primary work remaining is the exterior site work, including further concrete, paving, fencing, and landscaping. This work continues to progress as the weather allows.

Kenmar Interchange Improvement Project

In mid-February, the final project deliverable for the current work phase of this project was completed, and with that the Project Allocation and Environmental Document (PA&ED) phase of this project is complete. Staff will be working on completing the final project invoicing and closing out the funding paperwork for the project. Staff has also been working on securing funding for the upcoming engineering design and right-of-way phase of work, and the \$2.6M of State Transportation Improvement Program (STIP) funding that the region has recommended will be going to the CTC for approval in March. If approved by the California Transportation Commission, staff anticipate putting out a Request for Proposals for engineering design work later this spring.

Over the past month, staff have been working on submitting another grant application to fund construction implementation for this project. This particular program is the Rebuilding American Infrastructure with Sustainability and Equity (RAISE). Staff have been working collaboratively with Caltrans to complete the grant package, and have been able to repackage a lot of the material that was recently developed for the federal and state reconnecting communities grants the City developed last year for the same project.

Water System Emergency Generators Project

The Kenmar Water Booster Pump Station is complete. Staff filed the notice of completion for this project, and both generators are fully operational at their respective sites (Drake Hill and

Kenmar Booster Stations). Over the next several months staff will be working to close out the grant with Cal OES.

Recent Storm Damages

With the recent heavy and sustained rains, staff has been working to address fallen trees, debris in creeks, and some slides that have occurred. The most notable slide was on private property near the intersection of 9th Street and Picnic Avenue, which resulted in debris falling onto 9th St. Staff responded to clean and clear the road, as well as installed remedial measures to manage the debris that is continuing to migrate down.

Utilities Division- Utility Lead

Service Call Summary

- In the month of January the utilities division completed 72 service calls by operators. Figure 1 below shows the distribution of service calls by type.
- Underground Service Alert (USA) has changed their format and the utilities crew can no longer track how many mark and locates have been completed. There were zero miss-marked lines, resulting in zero broken utilities.

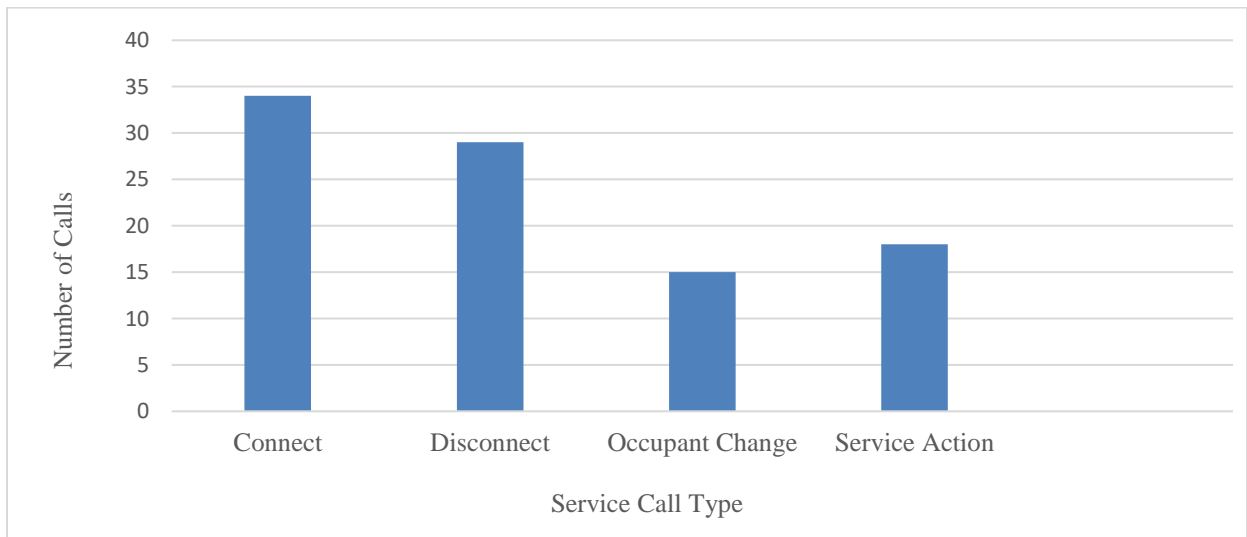


Figure 1. Utility division service calls by type in January.

Water Distribution System

- Read water meters and completed meter worksheet.
- The crew began flushing hydrants this month and have put most of our time into this annual maintenance activity. The crew flushed 151 hydrants in January, flushing approximately 3,020,000 gallons.
- Performed 23 water shut offs for non-payments.
- The utilities team installed no new services in the month of January.

- In the month of January the utilities team changed out 10 dead water meters.
- Continued to check service lines for lead. The crew continued to make great progress this month.
- In January there was one water leak. This leak was on a 1¼ steel line that feeds Carson Woods Rd. The pipe runs along the creek bed and broke due to the creek walls sliding in. The estimated water loss was 60,000 gallons (*photo inset right*). This line is the same one that is planned for upsizing and improvements as part of the Carson Woods Waterline Replacement Project.
- Replaced two bad angle valves.



Table 1. Water leak rate and water loss estimates for 2024.

Date	Location	Pipe Information	Estimated Leak Rate (Gallons per Minute)	Leak Duration	Total Estimate Leak Volume (Gallons)
1/9/2024	Carson Woods Rd	1 ¼” steel	100	10 Hours	60,000

Wastewater Collections System

- Utilities cleaned 15,000 feet of sewer main.
- We had one sewer plug in the month of January resulting in no spills or overflows.
- There was one sanitary sewer overflow (SSO) in January due to heavy rains on Martin Luther King Jr. weekend. The spill did not come into contact with the public, and staff documented and reported to issue to Cal OES and the Regional Water Quality Control Board.

Miscellaneous Tasks

- The utilities division performed monthly maintenance on the division’s heavy equipment, including greasing and checking all fluids.
- Two utility staff went to a two day re-certification class for their backflow tester certifications.

Water Treatment/Wastewater Division- Chief Plant Operator

Storm Flow Response: Significant rainfall fell during this month. This rapidly increased wastewater flow into the treatment plant in the form of inflow and infiltration (I&I, stormwater runoff and groundwater entering the sanitary sewer system). Staff managed to operate and maintain the system through various process adjustments, succeeding in treating the increased flow without any effluent violations.

Wastewater Treatment/Wastewater Events & Maintenance Tasks Completed:

- Staff assisted the Lab and Engineering with sampling monitoring wells for the treatment system upgrade project.
- During large storm events when plant inflow increases beyond our treatment capacity, excess flow is routed to the City's overflow storage ponds. In January staff returned approximately 4 million gallons of storm produced I&I through the plant.
- Staff finalized and submitted reports to State and Federal agencies this month including the 2023 4th Quarter Wastewater Report.
- Staff replaced electrical contacts at the Rancho Buena Vista sewer lift station.

Water Treatment/Water Events & Maintenance Tasks Completed:

- Staff replaced electrical contacts at the Drake hill pump station.
- Staff responded to a leak alarm at the Corrosion Control Facility (CCF) well site. A small leak was found and safely contained until the Humboldt County Hazmat response team could respond and assist with readying the faulty cylinder for transport to Thatcher chemical for repair (see photos inset below).



General Services and Streets - General Services Superintendent

The following is a list of tasks completed by the General Services staff in January:

- Staff prepared for inclement weather. Staff checked or vacuumed drainage inlets, and trimmed any low hanging limbs. Staff checked culverts that have flap gates that prevent creek water from surging back into the streets. Staff added sand to the existing stock pile in Rohner Park. Staff responded to on duty and after hour callouts from citizens. During the storm over MLK weekend, the Rohner Creek overflow weir was used for the first time (*photo inset right*).
- Staff replaced the pedestrian post at Newburg and Fortuna Boulevard. Staff also repaired the pedestrian sign at Rohnerville and School Street due to high winds.
- Wendt Construction was hired to place a junction box on a failing culvert on Elizabeth Barcus.
- Staff filled potholes in roads that formed due to the wet weather.
- Staff assisted the Parks Maintenance staff with painting in the pavilion.
- Staff removed cut limbs and vegetation that was accumulated from a recent cleanup along the creeks. The task was completed for the topographic survey portion of the Mill Creek Habitat Connectivity Project.
- Staff removed the Christmas banners.
- Staff pulled the material that was accumulated on the shoulder of Dinsmore Drive for draining the surface water during storms.
- Grave; was placed in the alley in between Main and N Streets.
- In addition to the special tasks noted above, staff also engaged in the following regular routine maintenance activities including marking utilities for construction, street sweeping, recycling and trash management, collect batteries at City Hall, road maintenance, Dog Park maintenance, vegetation management including sniping of curbs, and safety training and inspections.



RECOMMENDED COUNCIL ACTION:

Receive Public Works Department Monthly Report. Consent Agenda vote.