

STAFF REPORT

City Council Consent Item

DATE: April 15, 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

This last month at the Police Facility has been very productive. With better weather, the contractor was able to complete most of the exterior site work, including paving, fencing and gates, landscaping, and the parking structure. The only remaining items include parking lot striping, which is scheduled for April 10th, and other minor punchlist items. The building interior is largely complete, and currently the contractor is only working on punchlist items. Staff anticipate work under the construction contract with Sequoia will be completed by the end of the month.



Key remaining items for the project include the solar panels, radio, dispatch center installation, which is scheduled to take place in mid-to-late April, and the final building cleaning. Staff anticipate some Police operations will begin to move into the building in early May. Through the next month, staff will be focusing on other portions of the move, largely including the phone systems, the 911 systems, and the server room components. At this time, staff estimate that the facility should be fully staffed and operational sometime in June.

ADA Barrier Removal Project

The project was approved by Council to award to the low bid contractor, RAO Construction, at the April 1st Council meeting. Since that time, staff have been working on contracting, bonding and insurance. Staff anticipate conducting a preconstruction meeting with the contractor and the Engineer (GHD) in late April, and are tentatively planning on beginning project work in May.

9th Street/Christian Ridge Sewer Line/Slide

As noted in a previous staff report, there was a landslide near the intersection of 9th Street and Christian Ridge that exposed a 6” sanitary sewer main. Since the landslide, staff installed a temporary sewer bypass pump system that has been operating reasonably well (albeit with regular maintenance and inspection). Recently, staff met with one of the City’s on-call engineering consultants with the purpose of developing engineering plans for a repair to the gravity sewer line in the area. Staff are hopeful that the repair can occur this summer, and the bypass system can then be removed.

Kenmar Interchange Improvement Project

The City was recently notified that we were not successful in obtaining grant funding through either the State or Federal Reconnecting Communities grant programs. Staff are still awaiting the results of the recently submitted RAISE grant, where awards are slated to be announced in the summer of 2024.

Project Grant Closeouts

Staff are working on finalizing several grant projects, including the Corp Yard Generator, the Water System Generators, the Prop 1 Stormwater Project on 12th Street, and the Stormdrain Vulnerability Assessment. Staff are hopeful that all projects will be completed and closed out prior to the beginning of next fiscal year.

Stormdrain Vulnerability Assessment and Sewer Collection System Master Plan

Over the past few months staff have finalized reviews of the draft Sewer Collection System Master Plan and the Stormdrain Vulnerability Assessment. Once finalized, staff plan to present the findings of the plans as a presentation to the Council.

Utilities Division- Utility Lead

Service Call Summary

- In the month of March the utilities division completed 89 service calls by operators. Figure 1 below shows the distribution of service calls by type.
- Underground Service Alert (USA) - there were zero miss-marked lines, resulting in zero broken utilities.

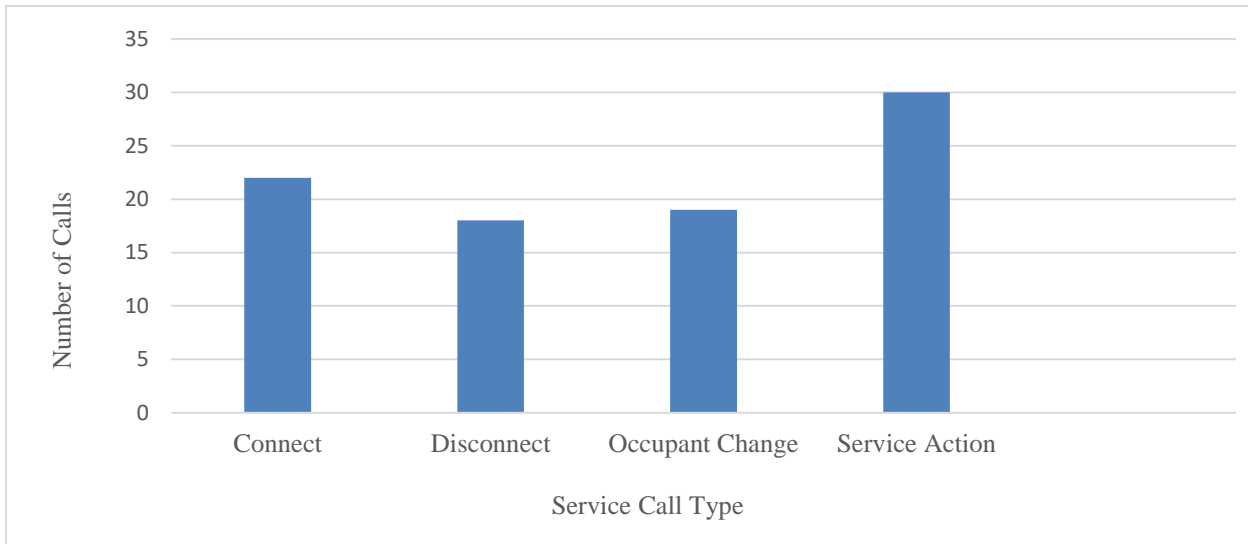


Figure 1. Utility division service calls by type in March.

Water Distribution System

- Read water meters and completed meter worksheet.
- Utilities crew spent most of the time in March focused on hydrant flushing, which was fully completed this month. The estimated flushing was approximately 3,850,000 gallons in March.
- Completed 23 water shut off for non-payments.
- The utilities team installed no new services in the month of March.
- In the month of March the utilities team changed out 10 dead water meters.
- Continued to check service lines for lead. Tyler has made great progress on these.
- Replaced two bad angle valves.
- Repaired leak on Sunny Heights Drive
- There was a main line break at the corner of Summer and Newburg Road. This leak was caused by an old 1” connection that blew off the mainline.

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

Date	Location	Pipe Information	Estimated Leak Rate (Gallons per Minute)	Leak Duration	Total Estimate Leak Volume (Gallons)
3/18/2024	Sunny Heights Drive	Thin black plastic	2	3 Days	8,640
3/30/2024	Summer @ Newburg Rd.	1'' Saddle	5	4 Hours	1,200

Wastewater Collections System

- Utilities cleaned 14,000 feet of sewer main.
- There was two sewer plugs in the month of March resulting in no spills or overflows.
- Daily sewer pump maintenance up on Christian Ridge.

Miscellaneous Tasks

- The utilities division performed monthly maintenance on the division’s heavy equipment, including greasing and checking all fluids.
- Utility Worker II, Dan Rockholt, has obtained his Class B drivers permit and has been doing drivers training.
- Utility Worker II, Andy White, took his water D2 test in Redding and passed! He has now met all his job requirements.

Water Treatment/Wastewater Division- Chief Plant Operator

Wastewater Treatment

Table 2. March wastewater plant effluent flows for the past five years in Million Gallons (MG) and Million Gallons per Day (MGD).

Year	2020	2021	2022	2023	2024
Total Monthly Flow, MG	35.810	51.290	26.940	79.920	70.470
Maximum Daily Flow, MGD	1.528	2.630	1.240	4.160	3.890
Average Monthly Flow, MGD	1.155	1.655	0.869	2.578	2.273

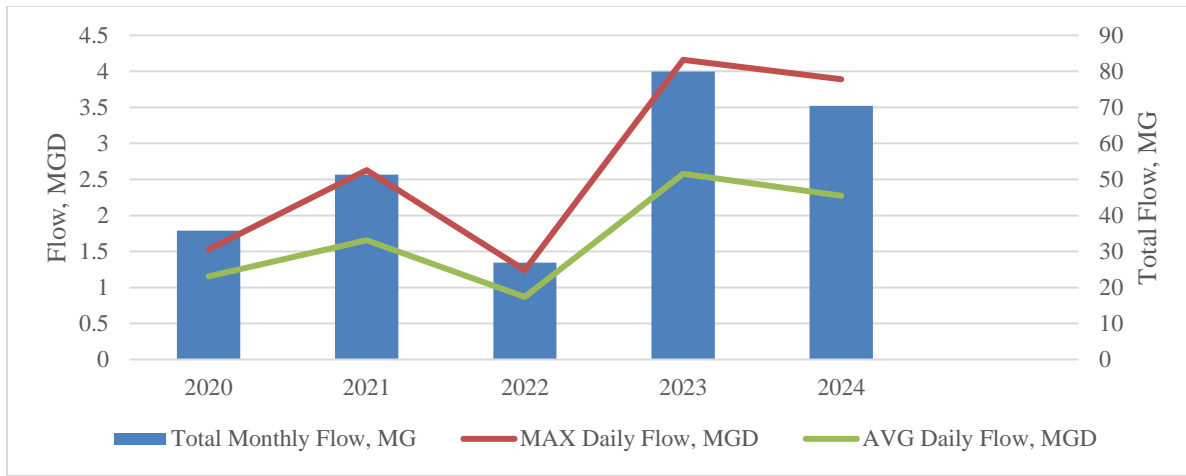


Figure 2. March wastewater plant effluent flows for the past five years in Million Gallons (MG) and Million Gallons per Day (MGD).

Wastewater Events & Maintenance Tasks Completed

- Staff removed Grit Pump # 1 due to a leaking Seal. The pump was disassembled and ordered parts for replacement.
- The division has a new Operator in Training (OIT), Robert Gearhart, who is doing a good job.
- Wastewater and Engineering staff preformed river and monitoring well sampling for the basin plan amendment study.
- Staff sampled Eel River Brewery discharge to sewer system to help determine the impact on the treatment plant.
- Staff changed and adjusted belts at the Nob Hill sewer lift station

Water Treatment

Table 3. March potable water production for the past five years in Million Gallons (MG).

Year	2020	2021	2022	2023	2024
Total Production, MG	31.799	30.085	28.105	27.256	27.962
Maximum Daily, MG	1.121	1.487	1.065	1.514	1.182
Average Daily, MG	1.026	0.970	0.907	0.879	0.902

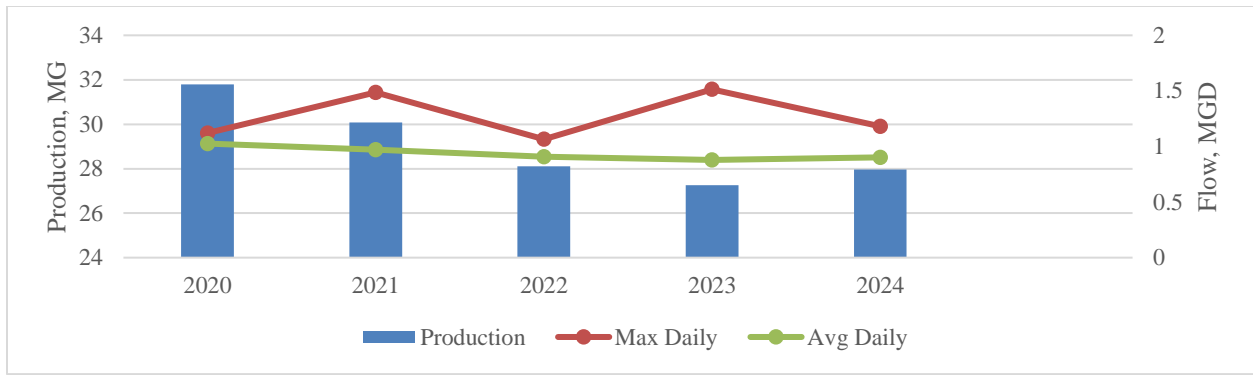


Table 3. March potable water production for the past five years in Million Gallons (MG).

Water Events & Maintenance Tasks Completed:

- Staff completed and submitted the Electronic Annual Report to the state.

General Services and Streets - General Services Superintendent

The following is a list of scheduled assignments completed by the General Services staff in March:

- Staff removed temporary cold patch material and installed hot mix asphalt on one corner ramp on Redwood Way, two corners of Alamar Way and River Walk Drive. This was part of the new concrete installed in the fall of 2023. In addition, staff placed hot mix asphalt at the Waste Water Treatment Plant.
- Staff refurbished and replaced broken parade barricades for the upcoming special event season. The long white parade barricades are used in many applications from directing traffic to road closures.
- Staff created a cradle out of recycled lumber to house the new snowflake decorations for the Downtown Merchants. The cradle is to keep the snowflakes from falling and the possibility of being damaged at their storage facility.
- Staff assisted Park maintenance staff with the folding door at the River Lodge Conference Center. Staff also assisted Parks with push mowing and weed eating the hardball field in Newburg Park.
- Staff patrolled drainage inlets and removed down limbs from a recent weather event. Staff removed material from a drainage ditch on Kenmar Road near the Fortuna Boulevard.
- At the request of the Traffic Safety Committee, staff extended the red curb at the Humboldt Veterinary Group driveway approach located on the Fortuna Boulevard.
- Staff assisted the contractor for the new police facility by loading a truck with grindings to be used in the new parking lot, which was recently paved.
- Staff provided traffic control for survey crew for the Mill Creek Habitat Connectivity Project. Staff provided traffic control at the new Police Facility for the contractor paving

task. Staff also assisted in providing traffic control for the remaining two solar power street lights on 12th.

- Staff performed maintenance on the boom mower tractor and replaced worn blades on the mower head.
- Staff replaced the banners on the downtown street lights to the new seasonal spring theme.
- Staff trimmed vegetation and trees in alleys, weed eat, and mowed various locations. Staff mowed the tall vegetation at the rodeo arena.
- Staff resumed the task of putting in a wash rack at the Corporation Yard.
- In addition to the special tasks noted above, staff also engaged in the following regular routine maintenance activities including USA's, 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. Staff is available for questions, requests, and emergency responses to the community.

RECOMMENDED COUNCIL ACTION:

Receive Public Works Department Monthly Report. Consent Agenda vote.