

STAFF REPORT

City Council Consent Item

DATE: March 17, 2025

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:

Monday Club Chimney and Main Street Gateway

Both the Gateway and Chimney projects have been substantially completed and the Notices of Completion have been filed with the County. Both projects came in at budget. The only item of work remaining for the Gateway project is for Mad Metals to complete fabrication of the remaining decorative art pieces.

Stormdrain Lining Project

As noted in the previous monthly report, the City's contractor is waiting for a sustained period of dry weather to remobilize and complete the PVC lining portion of the project. Staff are hopeful that it will be completed by the end of April.

Upcoming Contracts

Over the past month staff have been working on a number of contracts to be put out to bid in March. These include the City's annual maintenance contracts for concrete, paving and striping, which should be brought to the Council for Award in May. The other contract is the City's annual percolation pond rehabilitation project at the Wastewater Treatment Plant, which is anticipated to be put out to bid the week of March 17th.

Palmer Creek CSD Wastewater Agreement

City staff recently participated in an initial meeting with staff and board members from the Palmer Creek Community Services District (PCCSD). The District provides potable water and wastewater collection services to its customers, and through an agreement with the City, sends their wastewater effluent to the City's treatment plant. The agreement that the City and PCCSD operate under is over 30-years old, and with that staff at both agencies have decided to initiate discussions on updating the terms of the agreement. City staff will be working to develop a draft agreement for review by the Council, before sending it to the PCCSD board for review.

12th Street Pedestrian Safety Request

At the February 3rd City Council Meeting, Measure E Committee Chair Sue Long passed forward to the Council a request made during public comment at the Measure E meeting the previous month. The comment was received by staff at Fortuna Union High School, which had circulated a petition in hopes of improving traffic/pedestrian safety along the 12th Street corridor near the high school. This topic has since been taken up by the City's traffic safety committee.

Currently, public works and police department staff have initiated a number of initial measures to identify the problem (and possible solutions). Staff have regularly performed field observations during the busy times (student pickup/drop off and lunch). Additionally, staff have temporarily placed both of the City's radar feedback signs along the road, which can both alert drivers when they are speeding, and record the actual speeds of all cars on the road.

In the coming months, staff anticipate identifying some solutions which could be implemented to address safety. Depending on the scope of the proposed improvements/traffic measures, this item may come to the Council for further consideration.

Downtown Water and Sewer Line Project

In January the Council approved a contract task order with GHD to initiate the Downtown Water and Sewer Line Project, which will replace a number of water and sewer mains in the neighborhood surrounding 12th street. Over the past month, the City has contracted with GHD, and some initial site investigations have been performed along the sewer line near Rohner Creek. Per the approved scope of work, GHD will be working on pre-design activities through the early summer, which will lead into full engineering design afterwards. Staff anticipate this project will go to construction in 2026.

Mill Creek Habitat Connectivity Project

The City's engineering consultant recently submitted the 65% design package for review. Staff anticipate providing comments back before the end of March. With the 65% designs complete, staff can begin to consider applying for grants to construct the priority fish passage crossings that are part of the project. The search for implementation funding will likely begin with the Weber Street crossing, which is the furthest downstream.

12th Street Interchange Project

The Initial Study and Mitigated Negative Declaration (ISMND – CEQA document) for the 12th Street Interchange Project was released for public review on February 26th. Comments are due back from the public on March 28th to be considered in the final ISMND. Staff are planning to take the approval of the ISMND, and the project, to the Council at the April 7th regular City Council Meeting. The document can be found on the City's website at the following link: (https://www.friendlyfortuna.com/your_government/public_works_notices.php)

Utilities Division

Water Distribution System

- The utilities crew read meters, changed out 9 dead meters, and completed the meter worksheet.
- Regulatory backflow testing is ongoing.
- The utilities crew upgraded seven Single Port Water Meter Radios, and three Dual Port Radios.
- The utilities crew installed one new services this month.
- The utilities crew replaced one bad angle valve.
- The utilities crew completed 28 shutoffs for nonpayment.
- The utilities crew repaired three water leaks, the following table shows the details:

Date	Location	Pipe Information	Estimated Leak Rate (Gallons per Minute)	Leak Duration	Total Estimate Leak Volume (Gallons)
2/12/25	Loop Court	1" thin black poly plastic	16	3 days	69,120
2/18/25	Wastewater Treatment Plant	1" thin black poly plastic	11.5	5 days	82,800
2/24/25	Orchard Lane	¾" Copper	2.83	2 days	8,150
TOTAL:					160,070

Wastewater Collection System

- There were zero sewer plugs.
- There were two storm related SSOs (Sanitary Sewer Overflows).
- The utilities crew cleaned 5,500 feet of sewer lines.
- The utilities division is working to develop a list of FOG (Fats, Oils, and Greases) producing businesses which will be inspected annually for discharge compliance.

Service Call Summary

- Underground Service Alert (USA): There were zero miss-marked USAs.
- The utilities division completed a total of 101 Service calls. Figure 1 shows the breakdown by type.

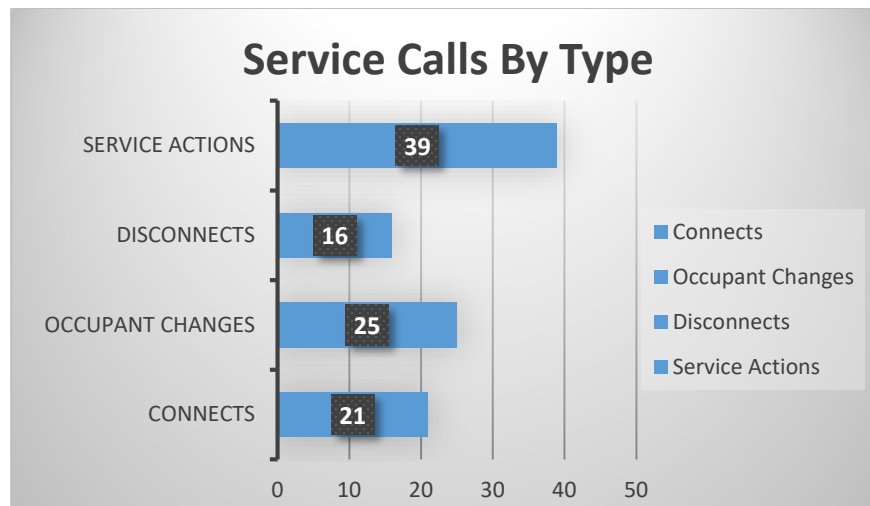


Figure 1: Service call breakdown.

Miscellaneous Tasks

- The utilities Superintendent (Jason Johnson) continues to attend a local leadership academy. These sessions are held monthly through March (Bay Cities Leadership Academy).
- The Utilities division continues to work on updating our GIS maps for water distribution and sewer collection systems on Diamond Maps, this is almost complete.
- Andrew White attended a two-day Water Treatment review class in preparation for the Water Treatment Grade two test.
- Employees attended trainings on trench safety, and confined space entry.

Water Treatment/Wastewater Division- Chief Plant Operator

Wastewater Treatment

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

Year	2021	2022	2023	2024	2025
Total Monthly Flow, MG	57.689	25.530	46.620	77.380	57.390
Maximum Daily Flow, MGD	3.623	1.240	3.260	4.220	3.670
Average Monthly Flow, MGD	2.060	0.912	1.665	2.668	2.050

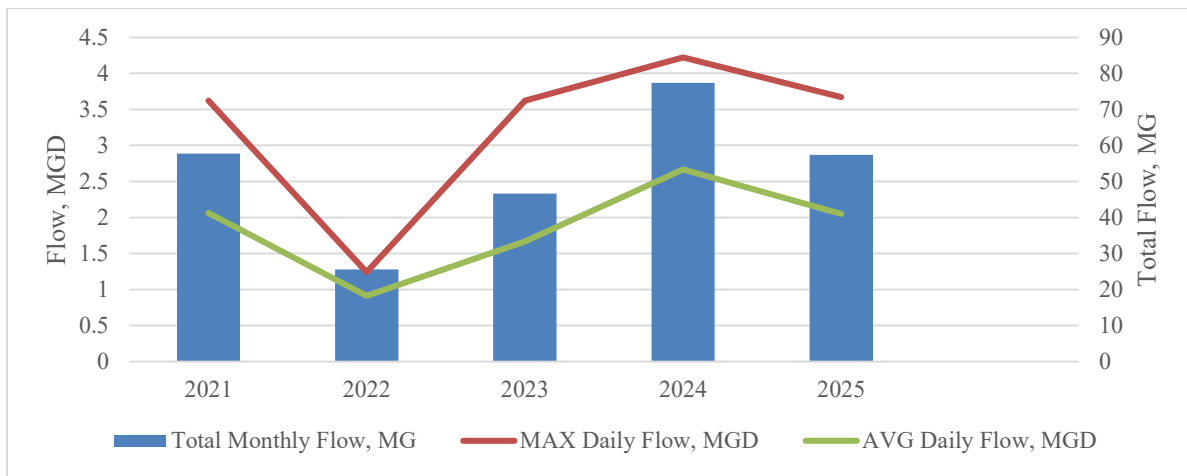


Figure 2. February wastewater plant effluent flows for the past five years in Million Gallons (MG) and Million Gallons per Day (MGD).

Wastewater Events & Maintenance Tasks Completed:

- Staff performed monthly cleaning on secondary clarifier weirs and both chlorine contact basins.
- Staff replaced probe filters, electrolyte solution, and calibrated the chlorine analyzers.
- Staff performed annual maintenance on the portable 6-inch pump.
- Staff replaced the fuel line, fuel pump and hydraulic lines on the Anaconda compost screen.
- Staff drained and cleaned Primary Clarifier #2. Staff replaced a failed over-torque limit switch and pulled all new control and motor wiring from the panel.
- Staff replaced lubricating oil for Blower # 1, bearings, and seals.

Water Treatment

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

Year	2021	2022	2023	2024	2025
Total Production, MG	27.218	26.947	25.740	24.479	24.122
Maximum Daily, MG	1.425	1.355	1.171	1.060	1.276
Average Daily, MG	0.972	0.962	0.919	0.844	0.861

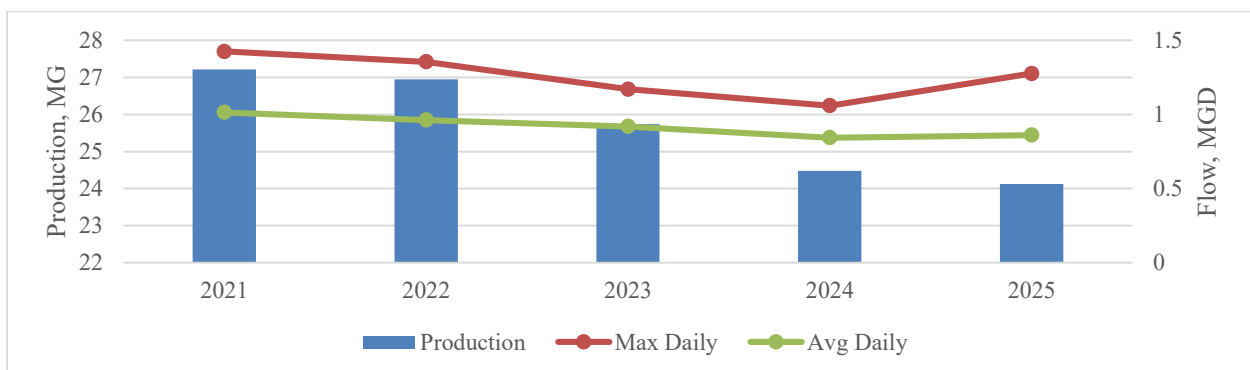


Table 3. February potable water production for the past five years in Million Gallons (MG).

Water Events & Maintenance Tasks Completed:

- Staff replaced the motor and rebuilt booster pump 1 at Home Avenue pump station

General Services and Streets - General Services Superintendent

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

- Staff finished painting and cleaning the small server room in City Hall. The new space will be used by the finance department for billing and other miscellaneous tasks. Staff removed the remaining items from the basement. The new server was installed for City Hall in the server room once used by the Police Department.
- Staff was assigned to rekey and place new codes on entry door keypads. Staff worked with a local vendor to accomplish the task.
- Staff raised the water valve boxes on P Street after the completion of the road being resurfaced. Staff also poured the concrete mix in a battery box vault form at the Corporation Yard for 12th Street.
- Staff rented a track skid steer with an asphalt planer to remove humps from tree roots on South Loop Road and Newburg Road. The milling was in preparation for a road project later in the year.
- Staff mowed and cleaned drainage ditches and used the vacuum truck to flush out storm culverts.
- From mid-December to the end of February, New Directions has removed 21,280 pounds of trash and debris from homeless camps. Approximately \$5,380 has been spent on professional services. New Directions started the clean-ups behind the Mall and Burger King area, along the creek. This area was recommended to be cleaned up and maintained in priority of locations. New Directions have performed spot cleanups on the Mill site property while the PD team has been in contact with the transients. See photos inset right for the before and after.
- 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.