

STAFF REPORT

City Council Consent Item

DATE: December 16, 2024

TO: Honorable Mayor and Council Members

FROM: Brendan Byrd, Public Works Director/City Engineer

THROUGH: Amy Nilsen, City Manager

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

STAFF RECOMMENDATION:

Receive report as an informational item.

EXECUTIVE SUMMARY:

Public Works Director/City Engineer

City Hall Remodel Project/City Hall Bathroom Restoration

The remodel at City Hall for the Community Development Department is substantially complete, and staff have been working in their new offices for a number of weeks. Only small outfitting items remain on the new Community Development Department side of the building. Public Works staff have since been focused on some remodel work on the existing City Hall office side, including separating the former Building Inspector/Building Official offices and painting. Lastly, the project has used about 55% of the available budget to date. Given the current budget and the remaining work, staff anticipate the project will come in at or below budget.

The other project happening currently in City Hall is the repair of the men's public restroom, which flooded in October. Staff anticipate the restoration will be completed in December, at an estimated cost of \$60-\$70 thousand dollars. Once the project is complete and all invoices are received, staff will work with the City's risk pool to make an insurance claim for reimbursement, and a Supplemental Budget Request will be processed to reimburse the budget overage to the City Hall maintenance account.

Monday Club Chimney

The masonry contractor was able to resume project work the week of December 2nd. This timeline was a bit later than originally hoped, as unfortunately in November the brick manufacturer produced and shipped the wrong material. That has since been corrected, and at the time of this report there is



about 2-working days' worth of masonry left to complete. See inset right for a progress picture from December 10th.

As noted in previous reports, staff anticipate executing a deductive change order with DCI Builders for this project, given that the contractor was able to save the interior chimney from demolition. Staff will report on the final cost of the project once completed.

Main Street Gateway Project

The project has continued to progress generally on schedule. To date the demolition, concrete, and earthwork have been completed. The remaining work includes fabricating and installing the sign, installing the plants and decorative rock, and paving/stripping. Overall, the weather has delayed the project schedule, and given the time of year with holidays it is likely the project will not be completed until early January. Staff will keep the Council informed on the exact project schedule once an update is provided by the contractor.

One major point of focus over the past month has been the design of the sign itself. Given the project bids came in below the budget, staff have been working with the sign contractor to add some additional detail and features to the sign. Upgrades will include raised lettering with halo backlighting on the front side, and the ability for the sign to be outfitted with decorative art pieces, similar to those that are displayed at the City's Kenmar welcome sign (i.e. the fish, apple, Christmas tree).



Kenmar Interchange Project

Staff have been working with Caltrans to execute the cooperative agreement with Caltrans so that the Engineering Design work can begin. Staff anticipate that GHD will be able to begin the engineering design phase in January, and this project phase is anticipated to take approximately 2-years to complete.

In November, Staff met with management staff representing the Great Redwood Trail Agency (GRTA) to discuss the details of the City's interchange projects, specifically how their trail would

interface with the roundabout designs. The meeting was productive, and the City and GHD have clear direction for how to proceed designing project improvements within the GRTA right of way.

12th Street Interchange Project

Staff and the City’s engineering consultants have been continuing towards developing the project CEQA document, which is expected to be ready for circulation by late Spring 2025. Also over the past month, staff have been working with Caltrans to develop a grant application to the RAISE program, which is a federally funded transportation grant opportunity that was created through the Infrastructure Investment and Jobs Act (IIJA). Currently the grant requires from the City will be for \$4.3 million dollars (no match), and the funding would cover the environmental portion of the interchange improvements at Riverwalk and Dinsmore Drive, and full engineering designs for the interchanges on both sides of the Highway.

Utilities Division

Water Distribution System

- The utilities crew continued work on the Carson Woods Road water line replacement project. The utilities crew installed the following:
 - 260 feet of 8” C900 water line (1,160 total feet has been installed)
- The utilities crew read meters, changed out fifteen dead meters, and completed the meter worksheet.
- Backflow testing has continued to be completed.
- The utilities team installed no new services this month.
- The utilities crew completed 21 shutoffs for nonpayment.
- The Utilities crew repaired four 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)
11/4/2024	Drake Hill @ Clara	8” AC	1,200	40 Minues	48,000
11/15/2024	Basayo Village	1” PVC	218	60 Minutes	13,080
11/20/2024	1150 Vista Drive	¾” Saddle	105	2 Hours	12,600
11/27/2024	2640 Kathleen Court	2” PVC	827	30 Minutes	24,810
TOTAL:					98,490

- Photos inset below show Main Break at Drake Hill/Clara

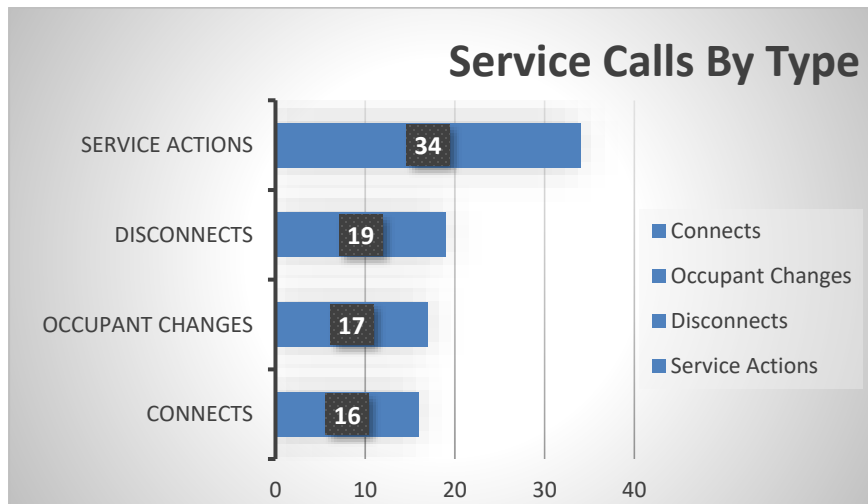


Wastewater Collection System

- Our Sanitary Sewer Overflow Response Packets have been modernized and updated, these are kept on all trucks, and contain the necessary documents for reporting and documenting SSOs (Sanitary Sewer Overflows).
- The P Street Sewer replacement project has been completed.
- There were zero sewer plugs.
- There were zero SSO events.
- The utilities crew cleaned 5,000ft of sewer lines.
- APS Environmental continues to perform their sewer line inspection contract work.

Service Call Summary

- The utilities division completed a total of 86 Service calls. Figure 1 below shows the breakdown by type:



- Underground Service Alert (USA): There were zero miss-marked USA's

Miscellaneous Tasks

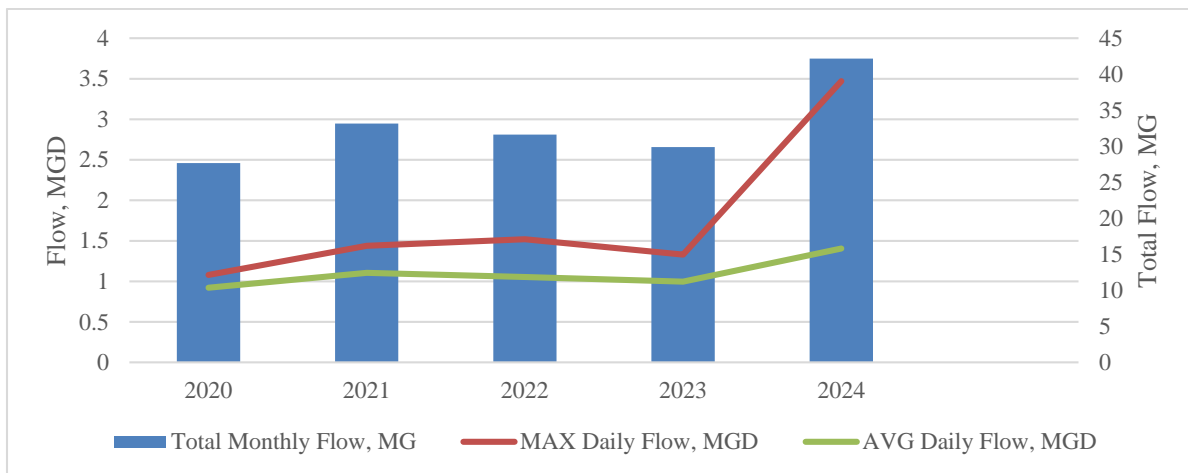
- Andy White is working on his Water Treatment course through Sacramento State in order to prepare him for the Water Treatment 2 Exam.
- The utilities Superintendent (Jason Johnson) continues to attend a local leadership academy. These sessions are held monthly through February (Bay Cities Leadership Academy).
- The Utilities department continues to work on updating our GIS maps for water distribution and sewer collection systems on Diamond Maps.

Water Treatment/Wastewater Division- Chief Plant Operator

Wastewater Treatment

November 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	27.671	33.150	31.620	29.890	42.180
Maximum Daily Flow, MGD	1.079	1.440	1.520	1.330	3.470
Average Monthly Flow, MGD	0.922	1.105	1.054	0.996	1.406



November 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 cleaned chlorine contact basins and the secondary clarifier weir.
- Staff lubed and inspected influent grit chain and chain wear shoes.
- Staff worked with Siemens technical support to calibrate rectangular contact basin flow meter.

- Staff worked with technician from Telstar to perform annual maintenance on the plant and CCF chemical system.
- Staff performed overhaul of the plants chlorine analyzers replacing the sample probe, the backup battery, the sample mixing chamber, and all seals.
- Staff replaced the gear drive, drive, driven sprockets and chain, conduit and wire, and rusted out junction box on primary clarifier #2.
- Staff assisted the Engineering department with water quality sampling for the basin plan amendment study
- Placed primary clarifier #2 and aeration basin #3 back in service to accommodate storm flows

Water Treatment

November potable water production for the past five years in Million Gallons (MG).

Year	2020	2021	2022	2023	2024
Total Production, MG	32.665	29.718	26.141	27.064	26.7368
Maximum Daily, MG	1.764	1.292	1.107	1.256	1.185
Average Daily, MG	1.088	0.990	0.871	0.902	0.891



November potable water production for the past five years in Million Gallons (MG).

Water Events & Maintenance Tasks Completed:

- Staff replaced the battery in the Home Avenue pump station flow meter.
- Staff worked with contractor to perform annual chlorine system maintenance.
- Staff worked with the Streets department to remove hazardous vegetation at corrosion control facility (see photo inset below).



General Services and Streets - General Services Superintendent

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

- Staff continues to make progress towards completing the Community Development Department. Staff installed blinds at the new Police facility. Staff started preparing for paint in the former Building Official space at City Hall
- Staff assisted with traffic control and other duties with the Utility Department on a service leak on Vista Drive.
- Staff removed debris dam on Strong's Creek near Rohnerville Road.
- Staff assisted in setup and take down of the traffic control for the Fortuna Vintage Market on Main Street.
- Staff maintenance drainage inlets and ditches in preparation of the Bomb Cyclone. Staff was on storm patrol and filling potholes from the heavy rains.
- Staff is cutting low hanging brush and trees in the City's right of ways.
- Staff placed Christmas embellishments on the street lights on Main Street.
- Staff prepared and assisted traffic control for the Downtown Open House special event.
- Staff repaired an outlet on a streetlight and replaced a burned out light on a traffic signal
Staff replaced a failed traffic control component at the Newburg and Fortuna Boulevard.
- Staff removed graffiti on multiple surfaces in the City.

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.