

STAFF REPORT

City Council Consent Agenda Item

DATE: October 16, 2023

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

Over the past month, there have been significant advancements in the project as more subcontractors are able to mobilize and complete their work. Since the previous report, the foundation for the covered parking structure has been installed, the roofing has been substantially completed, the electrical rough-in is nearly complete, and the majority of the siding and windows have been installed. Over the next month, staff anticipate that in addition to continued work on the items above the insulation and drywall contractors will begin work, in addition to the painting and site work contractors. In staff's most recent construction and schedule review meeting, Sequoia Construction is anticipating to be substantially completed in February of 2024, with only minor items remaining thereafter. This is approximately 2-months longer than was originally estimated, however, since the time of the original project schedule many unforeseen circumstances have been incorporated into the project or otherwise addressed. More information on these items is included in the separate staff report on the police facility project budget. Staff would like to note that although the extended schedule is not necessarily desired, it is anticipated to result in no impact to potential building readiness, as it is likely that power and data would not be available for the facility until sometime during the first quarter of 2024.

Water Tank Coating Project

The project was accepted as complete on September 19th, and the City has been back operating the water system at full storage capacity. Overall, the project was completed for approximately \$130,000 less than the budgeted amount.

Water System Emergency Generator Project

With the Campton Heights tank completed and back online, staff were able to schedule the final interconnection of the stationary emergency generator at the Kenmar pump station. That interconnection is scheduled for October 10th. Once completed and accepted by the City and our construction managers, staff will file the notice of completion for the project and work to close out the grant documentation with CalOES.

12th Street Utility Undergrounding Project

Staffs understanding is that AT&T performed a successful fiber-optic ‘cut-over’ during the nights of October 4th and 5th, and now the overhead utilities along 12th Street, from L Street to Clendenen’s, are inactive. Staff are working with PGE to expedite their remaining contractor work, which will include removing the poles, aerial lines, and restoring sidewalk.

Kenmar Interchange Improvement Project

The preliminary design phase of the Kenmar Interchange project is anticipated to be completed in early 2024, and as the Council is aware there is no current funding programmed for any future project phases (final design or construction). In an effort to keep the project moving forward, staff submitted a funding request to HCAOG for this year’s regional State Transportation Improvement Program (STIP). After discussion at the Technical Advisory Committee (TAC) level, the funding recommendation that will be presented at the November HCAOG board meeting is for the Kenmar project to receive \$3-million, which is anticipated to cover the final engineering plans, specifications, and estimate (PS&E) phase of work, and provide for a construction cost match (which the City could leverage for continued grant funding pursuits). If the HCAOG board approves the funding recommendations as presented, the funding request would go to the California Transportation Commission (CTC) in December, and the City could essentially continue design work on the project seamlessly after the conclusion of the preliminary design phase.

Utilities Division- Utility Lead

Service Call Summary

- In the month of September the utilities division completed 77 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 line, resulting in zero broken utilities.

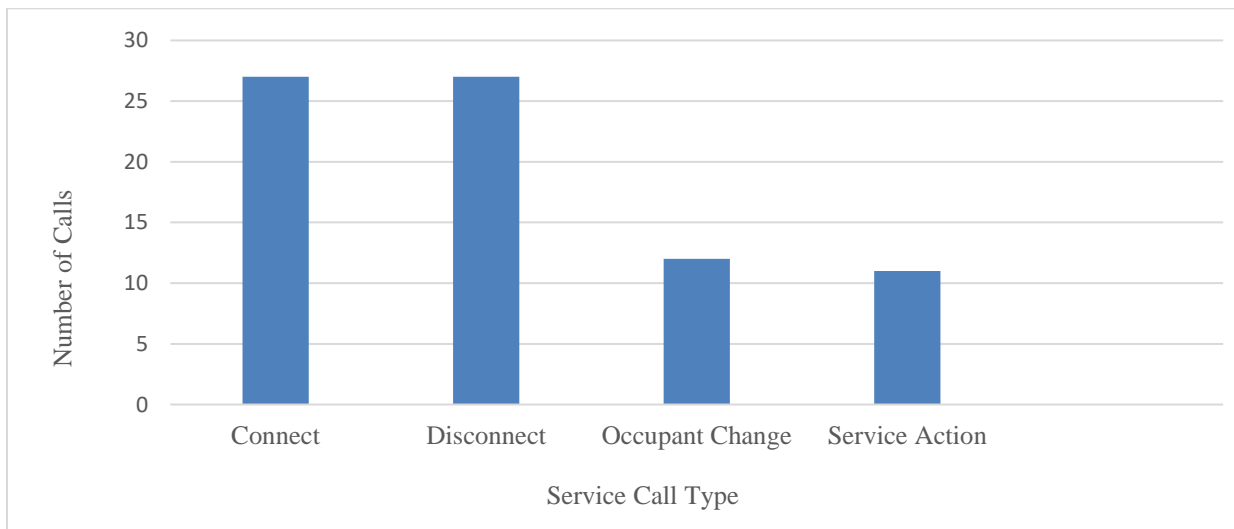


Figure 1. Utility division service calls by type in September.

Water Distribution System

- Read water meters and completed meter worksheet.
- Tested backflows.
- Performed 18 water shut off for non-payment.
- The utilities team installed two new services to the system in the month of September.
- In the month of September the utilities team changed out 15 dead water meters.
- In September there were three water leaks. The estimated water loss of these leaks is 45,360 gallons.
- Paved water ditches.
- Replaced three bad angle valves.
- Installed new service on Bartlett.

Date	Location	Pipe Information	Estimated Leak Rate (Gallons per Minute)	Leak Duration	Total Estimate Leak Volume (Gallons)
9/12/2023	220 Newell Dr.	¾" Thin Black Plastic	0.5	5 Days	3,600
9/18/2023	2000 Block of Smith Lane	2" PVC	200	3 Hours	36,000
9/28/2023	365 10 th Street	¾" Steel	2	1 Day	5,760

Table 1. Water leak rate and water loss estimates for 2023.

Wastewater Collections System

- Utilities cleaned 13,000 feet of sewer main.
- The crew had three sewer plugs in the month of September with no spills.
- Dug up a sing hole over the sewer line at 1505 Main St, found no issues with the pipe or connections.

Miscellaneous Tasks

- The utilities division performed monthly maintenance on the division's heavy equipment, including greasing and checking all fluids.
- Welded new hinges on a meter vault on School Street.

Water Treatment/Wastewater Division- Chief Plant Operator

Wastewater Treatment

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

Year	2019	2020	2021	2022	2023
Total Monthly Flow, MG	27.775	22.840	25.590	26.330	26.620
Maximum Daily Flow, MGD	1.079	0.925	0.980	1.140	1.320
Average Monthly Flow, MGD	0.926	0.761	0.853	0.878	0.887

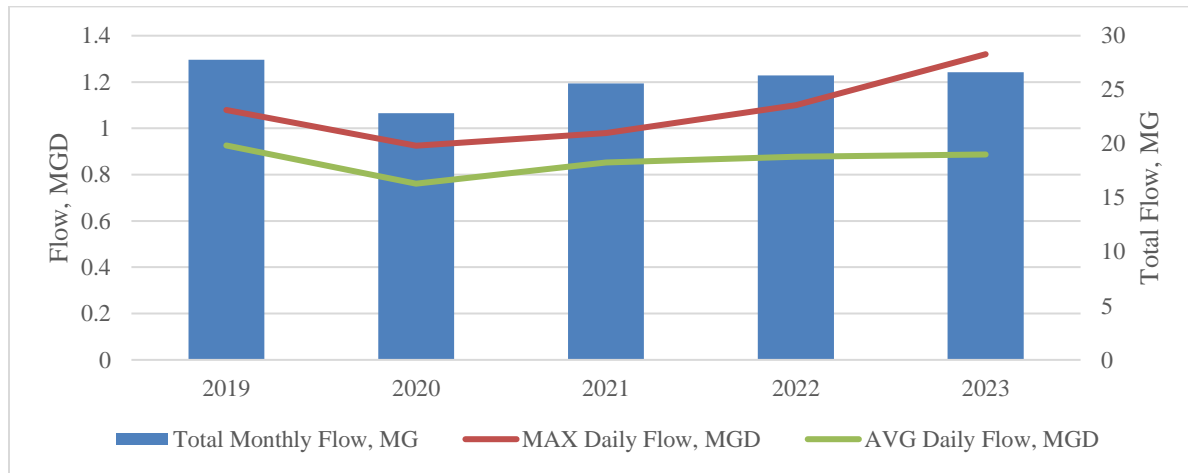


Figure 2. September wastewater plant effluent flows for the past five years in Million Gallons (MG) and Million Gallons per Day (MGD).

Wastewater Events & Maintenance Tasks Completed:

- Staff worked on pumping back the 2.9 MG of water brought to the plant overflow pond from the Cal-Trans Fernbridge project in August. The Water Boards required Cal-Trans to dispose of this water at a treatment plant because it contacted fresh-poured concrete and had possible constituents of concern. Staff metered it into the plant flow slowly, over weeks, with no detriment to treatment.
- Staff worked with consultant engineers on a Basin Plan Amendment. This project will go before the Water Boards, and will entail drilling new monitoring wells around the wastewater treatment plant percolation ponds. Staff will then conduct extensive sampling. The goal is to allow the City to continue discharging effluent to the percolation ponds during the dry season river-discharge prohibition period, as is current practice, despite recent studies that show a potential hydraulic connection of the percolation ponds to the river.

Water Treatment

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

Year	2019	2020	2021	2022	2023
Total Production, MG	39.503	45.218	40.281	36.360	36.879
Maximum Daily, MG	1.708	2.078	1.938	1.677	2.197
Average Daily, MG	1.317	1.507	1.343	1.212	1.229

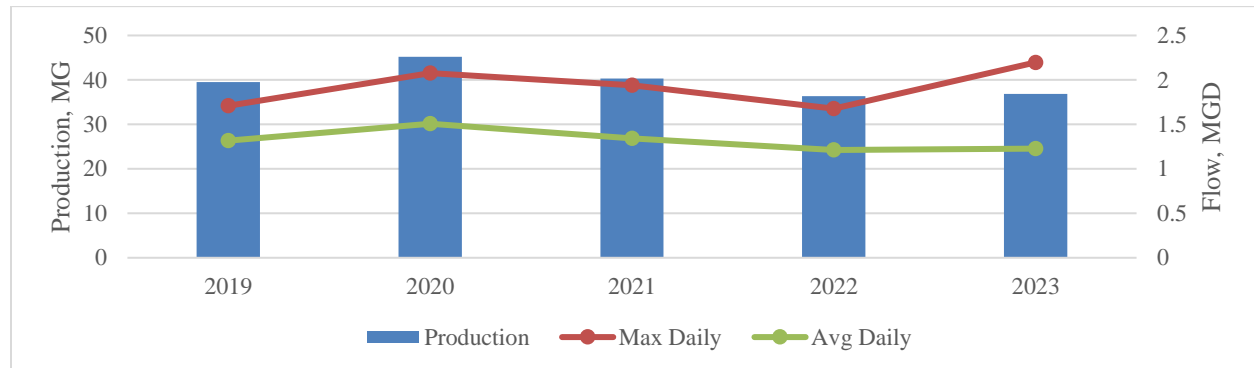
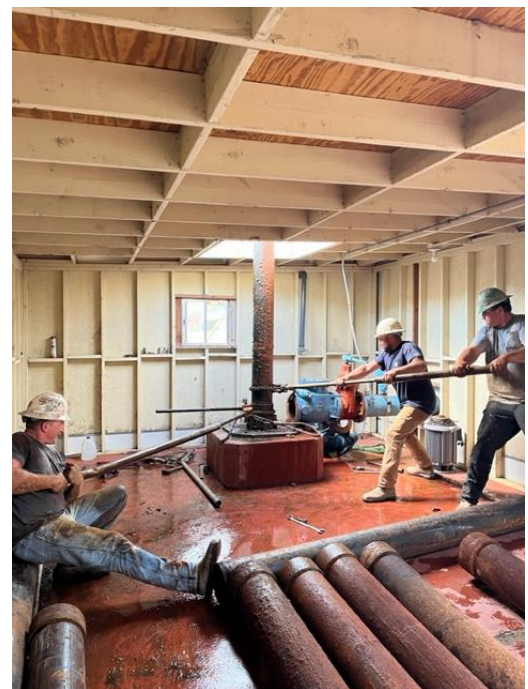


Figure 3. September potable water production for the past five years in Million Gallons (MG).

Water Events & Maintenance Tasks Completed:

- The water tank coating contractors completed their work at Campton Heights tank this month. After proper disinfection and testing, staff placed it online and removed the temporary tanks from service. Staff also replaced the top vent screen and hatch gasket material. A separate contractor will arrive in October to replace the tank's cathodic protection system.
- Staff worked with well-drilling contractors to conduct rehabilitation-work on Well #2 at the City's water wells site (see photo inset right). Problems with pump production required replacement of the pump's drop-pipe and pump shaft. After proper disinfection and testing, staff will place the well back online in October.



General Services and Streets - General Services Superintendent

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

- Staff removed a failing storm drain inlet and outlet along with a corrugated metal pipe culvert on Valley View. The undersized metal pipe with a rusted bottom was replaced with a modern plastic pipe and two new storm drain boxes. Half of the trenches for the repair

has been restored with hot mix asphalt. Minor concrete repair of sidewalk, and gutter pan was performed by staff. The restoration of the trenches will be completed later this month.

- Staff continues to water the newly planted vegetation in Phase A portion of the Rohner Creek project until the rains become consistent.
- Staff placed new fall banners on the decorative street lights on Main Street.
- A citizen complaint prompted staff to trim hedge, trees, and vegetation at the end of Randolph Way.
- Staff removed the solar panel and reader board of the non-operating portable changing message board (PCMS). Staff repurposed the trailer and functioning hydraulics to the new radar sign trailer. The trailer is first being used currently on Rohnerville Road near Senestraro Way (see photo inset right).
- Staff monitored and removed debris from the grates of the drainage inlets when a heavy rainfall event occurred during the month of September. Numerous calls for windfall and drainage issues came to public works call center.
- Staff continue to provide support to the parks department as they remain short-staffed.



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.