

MEMORANDUM



TO: Christy Wurster, City Manager Pro Tem
 FROM: Greg Springman, Public Works Director
 DATE: August 9, 2022
 SUBJECT: Public Works Activities Report – July 2022

This memorandum provides a brief periodic update of specific projects, WTP/WWTP O&M and Compliance status, and activities performed by the Public Works Department.

This table section summarizes work done on key maintenance activities.

Work Type	July, 2022	June, 2022	2022 YTD	2021	3 Yr Avg
Bathrooms/Garbage	18	20	116	169	503
Catch Basin Inspection/cleaning	0	0	3	6	28
Leaf Collection	0	0	0	1637	666
Hydrant Flushing	0	30	69	324	302
Locates	41	43	307	491	486
Meter Re-Read	60	80	417	1060	777
Mowing	26	34	93	40	84
Playground EQ Inspection	5	7	46	49	56
Pothole Repair	0	53	328	514	597
Sewer CCTV Miles	0.03	0.00	0.40	0.16	2.48
Street Sweeping Miles	122	121	718	893	2374
Water Main Repair	0	4	10	9	10
Water Service Repair	2	9	28	20	41
Water Turn Ons/Offs	55	79	385	677	877
Total Completed Work Orders	580	742	3823	6050	6973

WWTP and WTP Key Performance Indicators (KPIs)

	June, 2022	May, 2022	2022 YTD	2021	5 Yr Avg
Potable					
MG Treated	28.05	25.47	158.20	363.99	406.97
Backwash Water in MG	1.26	1.11	8.37	30.07	19.92
Ave daily demand in MG	0.94	0.82	0.87	1.00	1.12
Sanitary					
MG Treated	76.19	97.41	458.45	641.31	586.99
Max Daily Flow in MG	4.51	4.88	6.01	5.89	6.08
Average Flow in MG	2.54	3.14	2.52	1.76	1.61

* MG is Million Gallons

Note: Sweet Home Wastewater treatment plant experienced 3 exceedances for the month of June 2022.

- On 6/14/2022 Max daily TSS pounds was 400.0 on a permit limit of 240 pounds
- On 6/15/2022 Weekly Avg TTS pounds was 309.6 on a permit limit of 180 pounds
- For June Monthly Avg TTS pounds was 137.7 on a permit limit of 120

Current & Upcoming Projects

Wastewater Treatment Plant Improvement Project

Scope: Upgrades to equipment & processes for DEQ Compliance

Status: Engineer of Record (West Yost) has completed WWTP Final Design for Project I, Workshop dates are being scheduled for WWTP Final Design Project II. DEQ provided approval letter for Project 1 on July 7, 2022. West Yost will present WWTP Project 1 to Council in August 2022. Funding source for Phase II to be determined by Council at a future date.

Small Diameter Water Main Replacement

Scope: Engineer of Record and Staff has identified aged water mains throughout the 54 miles of water distribution system. Staff and West Yost will take a phase approach to replace the 5 miles of small diameter water mains.

Status: Project RFP bids from Contractors have been submitted. Staff determined Buy American Act requirements do not apply to this project. Staff to award Project in August 2022. to awarding the project.

Water Master Plan – West Yost

Scope: Develop Water Master Plan to support development.

Status: Water Master Plan is scheduled for completion in November 2022. Staff will provide updates as necessary.

Stormwater Master Plan – West Yost

Scope: Develop Stormwater Master Plan to support development

Status: Stormwater Master Plan is scheduled for completion in June 2023. Staff will provide updates as necessary.

Backwash Pump Evaluation – West Yost

Scope: Install backwash pump, utilizing the clearwell for filter backwashes and the corresponding effects on the distribution system and treatment.

Status: Project awarded to Pacific Excavation. Backwash pump has been back ordered, projected arrival date in November 2022. Construction started May 2022. Project on schedule, other than the arrival of the backwash pump.

Finished Water Pump VFD Evaluation – West Yost

Scope: Evaluate feasibility to add a Variable Frequency Drive (VFD) to the current finish water pumps to maintain a constant level in clearwell to help facilitate backwash pumping.

Status: Project awarded to Pacific Excavation, with VFD installation coordinated with The Automation Group (TAG). Construction started May 2022 has been on schedule, other than the backwash pump arrival in November 2022.

Fluoride at WTP

Scope: Fluoride system at WTP has failed/End of life budgeted for replacement this FY23.

Status: PW Staff ordered replacement parts. Arrival for replacement parts TBD. Staff will provide updates to Council as necessary.

Water Meter Modernization

Scope: Replace water meters through the entire water distribution system.

Status: Public Works staff purchased 3000 Kamstrup Smart Ultrasonic water meters. Public Works staff has installed 2040 meters to date, 68% completed.

Wastewater Filter Belt Press

Scope: Filter Belt Press was installed in approx. 1974 and is an operational and financial challenge to keep operating, looking to prepurchase new dewatering equipment for the wastewater treatment plant as part of the upgrade project.

Status: PW staff currently working with Engineer of Record to confirm sizing of dewatering equipment.