

MEMORANDUM



TO: Kelcey Young, City Manager
FROM: Greg Springman, Public Works Director
DATE: January 10, 2023
SUBJECT: Public Works Activities Report – December 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	December, 2022	November, 2022	2022 YTD	2021	3 Yr Avg
Bathrooms/Garbage	8	9	168	169	503
Catch Basin Inspection/cleaning	0	0	3	6	28
Leaf Collection	548	621	1454	1637	666
Hydrant Flushing	2	0	200	324	302
Locates	6	6	498	491	486
Meter Re-Read	24	6	613	1060	777
Mowing	0	0	117	40	84
Playground EQ Inspection	0	3	68	49	56
Pothole Repair	45	18	416	514	597
Sewer CCTV Miles	0	0	0.40	0.16	2.48
Street Sweeping Miles	84	216	1180	893	2374
Water Main Repair	0	0	11	9	10
Water Service Repair	0	1	38	20	41
Water Turn Ons/Offs	27	17	568	677	877
Total Completed Work Orders	620	467	6790	6050	6973

WWTP and WTP Key Performance Indicators (KPIs)

	November, 2022	October, 2022	2022 YTD	2021	5 Yr Avg
Potable					
MG Treated	28.01	29.83	320.41	363.99	406.97
Backwash Water in MG	2.00	0.81	14.74	30.07	19.92
Ave daily demand in MG	0.93	0.96	0.96	1.00	1.12
Sanitary					
MG Treated	45.59	22.14	609.09	641.31	586.99
Max Daily Flow in MG	2.81	1.04	6.01	5.89	6.08
Average Flow in MG	1.52	0.71	1.82	1.76	1.61

MG is Million Gallons

Note: Sweet Home Wastewater treatment plant experienced 0 exceedances for the month of November 2022.

Current & Upcoming Projects

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 awarded Project in September 2022. Pre-Construction occurred in October 2022.

Pleasant Valley Bridge Water Main Repair

Scope: Pac Excavation to repair a broken 12" water main, replace 22 pipe hangers, and provide additional supports inside Pleasant Valley Bridge.

Status: Pac Excavation repaired the water main in August, 2022. Project completed

Water Master Plan – West Yost

Scope: Develop Water Master Plan to support development.

Status: Water Master Plan is scheduled for completion in March 2023. West Yost working on final draft of the Water Master Plan.

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 was changed from November 2022, until May 2023 due to back ordering from vendor. 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). Projected pump arrival date was changed from November 2022, until May 2023 due to back ordering from vendor.

Fluoride at WTP

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

Status: PW Staff ordered replacement parts. Replacement parts have been received by TAG and will be programmed prior to installation.

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 2600 meters to date, project is 85% complete.

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.