

MEMORANDUM



TO: Kelcey Young, City Manager
FROM: Greg Springman, Public Works Director
DATE: June 27, 2023
SUBJECT: Public Works Activities Report – May 2023

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	May, 2023	April, 2023	2023 YTD	2022	3 Yr Avg
Bathrooms/Garbage	18	17	65	168	360
Catch Basin Inspection/cleaning	10	0	11	3	13
Leaf Collection	0	0	1	1454	1105
Hydrant Flushing	0	0	35	200	276
Locates	45	45	220	498	479
Meter Re-Read	37	56	241	613	705
Mowing	39	18	59	117	95
Playground EQ Inspection	1	2	10	68	72
Pothole Repair	56	19	315	416	513
Sewer CCTV Miles	0.08	0.08	2.70	0.40	0.71
Street Sweeping Miles	6	75	381	1180	2072
Water Main Repair	0	0	3	11	12
Water Service Repair	2	1	8	38	30
Water Turn Ons/Offs	47	65	289	568	762
Total Completed Work Orders	554	472	2872	6790	7137

WWTP and WTP Key Performance Indicators (KPIs)

	April, 2023	March, 2023	2023 YTD	2022	5 Yr Avg
Potable					
MG Treated	25.15	25.91	105.48	346.58	389.07
Backwash Water in MG	0.84	0.95	3.78	15.66	19.99
Ave daily demand in MG	0.84	0.84	0.88	0.95	1.07
Sanitary					
MG Treated	94.47	80.44	295.92	677.61	587.83
Max Daily Flow in MG	5.21	3.48	5.21	6.01	6.01
Average Flow in MG	3.15	2.68	2.49	1.86	1.61

MG is Million Gallons

Note: Sweet Home Wastewater treatment plant experienced 1 exceedance for the month of April 2023.

- On 4_10_2023 we experienced a sanitary sewer overflow when we had more rain than we could pump through the facility. Pumps maxed out flow through facility and remainder went to Ames Creek

Current & Upcoming Projects

Small Diameter Water Main Replacement – 9th Avenue

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 starting with 9th Avenue.

Status: Project RFP bids from Contractors have been submitted. Staff awarded Project in September 2022. Construction commenced April 7, 2023. Construction completed June 2023.

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 submitted final draft of the Water Master Plan, June 2023.

Stormwater Master Plan – West Yost

Scope: Develop Stormwater Master Plan to support development

Status: Stormwater Master Plan is scheduled for completion in June 2023.

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 July 2023.

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 July 2023.

Fluoride at WTP

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

Status: 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 3200 Kamstrup Smart Ultrasonic water meters. Public Works staff has installed 3100 meters to date, project is 97% complete.

Mahler WRF - Interim Improvement Project

Scope: Filter Belt Press was installed in approx. 1974 and is an operational and financial challenge to keep operating. Staff and West Yost prepurchase new dewatering equipment (screw press), sludge blend tank, and additional electrical components for the wastewater treatment plant as part of the upgrade project.

Status: PW staff and West Yost design, created bid documents for the project. IIP broke ground in March 2023 and is on schedule to complete in July 2023.