

MEMORANDUM



TO: Kelcey Young, City Manager
FROM: Greg Springman, Public Works Director
DATE: September 26, 2023
SUBJECT: Public Works Activities Report – August 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	August, 2023	July, 2023	2023 YTD	2022	3 Yr Avg
Bathrooms/Garbage	0	4	76	168	360
Catch Basin Inspection/cleaning	0	0	42	3	13
Leaf Collection	0	0	1	1454	1105
Hydrant Flushing	0	0	70	200	276
Locates	6	49	310	498	479
Meter Re-Read	0	20	292	613	705
Mowing	0	9	80	117	95
Playground EQ Inspection	0	1	12	68	72
Pothole Repair	0	0	321	416	513
Sewer CCTV Miles	0.00	0.13	2.92	0.40	0.71
Street Sweeping Miles	0	40	451	1180	2072
Water Main Repair	1	0	5	11	12
Water Service Repair	0	1	10	38	30
Water Turn Ons/Offs	0	44	398	568	762
Total Completed Work Orders	81	265	3658	6790	7137

WWTP and WTP Key Performance Indicators (KPIs)

	August, 2023	July, 2023	2023 YTD	2022	5 Yr Avg
Potable					
MG Treated	41.58	43.2	260.33	346.58	389.07
Backwash Water in MG	0.79	0.78	6.85	15.66	19.99
Ave daily demand in MG	1.34	1.39	1.07	0.95	1.07
Sanitary					
MG Treated	19.66	22.38	408.40	677.61	587.83
Max Daily Flow in MG	0.73	0.93	5.21	6.01	6.01
Average Flow in MG	0.66	0.75	1.71	1.86	1.61

MG is Million Gallons

Note: Sweet Home Wastewater treatment plant experienced 0 exceedance for the month of August 2023.

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: Construction completed, June 2023.

Water Master Plan – West Yost

Scope: Develop Water Master Plan to support development.

Status: Water Master Plan Completed, June 2023.

Stormwater Master Plan – West Yost

Scope: Develop Stormwater Master Plan to support development

Status: Stormwater Master Plan Completed, 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, waiting projected arrival date.

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). Backwash pump has been back ordered, waiting projected arrival date.

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 programed 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: IIP broke ground in March 2023. Project waiting for valves for Sludge Blend Tank mixers.