

# MEMORANDUM



TO: Kelcey Young, City Manager  
 FROM: Greg Springman, Public Works Director  
 DATE: May 23, 2023  
 SUBJECT: Public Works Activities Report – April 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	April, 2023	March, 2023	2023 YTD	2022	3 Yr Avg
Bathrooms/Garbage	17	9	47	168	360
Catch Basin Inspection/cleaning	0	1	1	3	13
Leaf Collection	0	0	1	1454	1105
Hydrant Flushing	0	35	35	200	276
Locates	45	56	175	498	479
Meter Re-Read	56	49	204	613	705
Mowing	18	2	20	117	95
Playground EQ Inspection	2	3	9	68	72
Pothole Repair	19	67	259	416	513
Sewer CCTV Miles	0.08	0.26	2.62	0.40	0.71
Street Sweeping Miles	75	122	375	1180	2072
Water Main Repair	0	0	3	11	12
Water Service Repair	1	2	6	38	30
Water Turn Ons/Offs	65	72	242	568	762
<b>Total Completed Work Orders</b>	<b>472</b>	<b>684</b>	<b>2318</b>	<b>6790</b>	<b>7137</b>

**WWTP and WTP Key Performance Indicators (KPIs)**

	April, 2023	March, 2023	2023 YTD	2022	5 Yr Avg
<b>Potable</b>					
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
<b>Sanitary</b>					
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 0 exceedances for the month of March 2023.

**Current & Upcoming Projects**

**Small Diameter Water Main Replacement – 9<sup>th</sup> 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 9<sup>th</sup> Avenue.

**Status:** Project RFP bids from Contractors have been submitted. Staff awarded Project in September 2022. Construction commenced April 7, 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 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:** 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 2800 meters to date, project is 90% 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.