

# MEMORANDUM



TO: Kelcey Young, City Manager  
 FROM: Greg Springman, Public Works Director  
 DATE: August 22, 2023  
 SUBJECT: Public Works Activities Report – July 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	July, 2023	June, 2023	2023 YTD	2022	3 Yr Avg
Bathrooms/Garbage	4	7	76	168	360
Catch Basin Inspection/cleaning	0	31	42	3	13
Leaf Collection	0	0	1	1454	1105
Hydrant Flushing	0	35	70	200	276
Locates	49	35	304	498	479
Meter Re-Read	20	31	292	613	705
Mowing	9	12	80	117	95
Playground EQ Inspection	1	1	12	68	72
Pothole Repair	0	6	321	416	513
Sewer CCTV Miles	0.13	0.10	2.92	0.40	0.71
Street Sweeping Miles	40	30	451	1180	2072
Water Main Repair	0	1	4	11	12
Water Service Repair	1	1	10	38	30
Water Turn Ons/Offs	44	65	398	568	762
<b>Total Completed Work Orders</b>	<b>265</b>	<b>440</b>	<b>3577</b>	<b>6790</b>	<b>7137</b>

## WWTP and WTP Key Performance Indicators (KPIs)

	July, 2023	June, 2023	2023 YTD	2022	5 Yr Avg
<b>Potable</b>					
MG Treated	43.2	37.59	218.75	346.58	389.07
Backwash Water in MG	0.78	0.67	6.06	15.66	19.99
Ave daily demand in MG	1.39	1.25	1.03	0.95	1.07
<b>Sanitary</b>					
MG Treated	22.38	28.92	388.74	677.61	587.83
Max Daily Flow in MG	0.93	1.20	5.21	6.01	6.01
Average Flow in MG	0.75	0.96	1.86	1.86	1.61

MG is Million Gallons

Note: Sweet Home Wastewater treatment plant experienced 0 exceedance for the month of July 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:** 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 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:** IIP broke ground in March 2023. Project waiting for valves for Sludge Blend Tank mixers.