

# MEMORANDUM



TO: Kelcey Young, City Manager  
FROM: Greg Springman, Public Works Director  
DATE: February 14, 2023  
SUBJECT: Public Works Activities Report – January 2023

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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	January, 2023	December, 2022	2023 YTD	2022	3 Yr Avg
Bathrooms/Garbage	11	8	11	168	360
Catch Basin Inspection/cleaning	0	0	0	3	13
Leaf Collection	1	548	1	1454	1105
Hydrant Flushing	0	2	0	200	276
Locates	38	6	38	498	479
Meter Re-Read	40	24	40	613	705
Mowing	0	0	0	117	95
Playground EQ Inspection	4	0	4	68	72
Pothole Repair	172	45	172	416	513
Sewer CCTV Miles	1.45	0	1.45	0.40	0.71
Street Sweeping Miles	112	84	112	1180	2072
Water Main Repair	0	0	0	11	12
Water Service Repair	2	0	2	38	30
Water Turn Ons/Offs	52	27	52	568	762
<b>Total Completed Work Orders</b>	<b>686</b>	<b>620</b>	<b>686</b>	<b>6790</b>	<b>7137</b>

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

	November, 2022	December, 2022	2023 YTD	2022	5 Yr Avg
<b>Potable</b>					
MG Treated	28.01	29.83	29.14	346.58	389.07
Backwash Water in MG	2.00	0.81	1.12	15.66	19.99
Ave daily demand in MG	0.93	0.96	0.94	0.95	1.07
<b>Sanitary</b>					
MG Treated	45.59	22.14	68.52	677.61	587.83
Max Daily Flow in MG	2.81	1.04	3.38	6.01	6.01
Average Flow in MG	1.52	0.71	2.26	1.86	1.61

MG is Million Gallons

Note: Sweet Home Wastewater treatment plant experienced 3 exceedances for the month of December 2022.

- 12/26/2022 we exceeded our pH lower limit of 6.3 with a 6.17 due to mechanical failure of caustic pump that has since been replaced
- For December Monthly Avg cBOD pounds we exceeded with 346.6 on a permit of 290.
- For December Monthly cBOD mg/L was 18.0 on a permit of 15 mg/L

## **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. Construction to begin March, 2023.

### **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:** 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 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.