

MEMORANDUM



TO: Kelcey Young, City Manager
 FROM: Greg Springman, Public Works Director
 DATE: November 28, 2023
 SUBJECT: Public Works Activities Report – September 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. Staff is currently working with OpenGov for implementation of a new asset management software to track work orders throughout Public Works, Code Compliance, and a Citizens Portal for exterior communications with the Sweet Home Community.

No Data for Previous Month.

WWTP and WTP Key Performance Indicators (KPIs)

	October, 2023	September, 2023	2023 YTD	2022	5 Yr Avg
Potable					
MG Treated	31.76	33.62	325.70	346.58	389.07
Backwash Water in MG	1.13	0.61	8.58	15.66	19.99
Ave daily demand in MG	1.02	1.12	1.07	0.95	1.07
Sanitary					
MG Treated	31.33	21.67	461.40	677.61	587.83
Max Daily Flow in MG	1.59	1.02	5.21	6.01	6.01
Average Flow in MG	1.05	0.72	1.55	1.86	1.61

Note: Sweet Home Wastewater treatment plant experienced 0 exceedance for the month of September 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: Staff attended a “Pump Efficiency” witness test held on November 15, 2023 to ensure our new backwash pump is operating as design. Pacific Excavation has received the long-awaited Backwash Pump from the manufacturer. Pump Efficiency testing was excepted by Staff and has schedule the installation of the pump for January 2024.

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: Staff attended a “Pump Efficiency” witness test held on November 15, 2023 to ensure our new backwash pump is operating as design. Pacific Excavation has received the long-awaited Backwash Pump from the manufacturer. Pump Efficiency testing was excepted by Staff and has schedule the installation of the pump for January 2024.

Pacific Ecavation will VFD installation coordinated with The Automation Group (TAG) to install VFDs for the pump. Work to be completed January 2024.

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 (IIP)

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: All scheduled equipment for the IIP has been installed, Staff and Contractors are working to begin start-up of our new Sludge Screw Press.