



Office of the Chief Executive

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

October 23, 2024

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – October 23, 2024

Chairperson Baker and Directors,

Corrosion Control Update Project

With permission granted from the Michigan Department of Environment, Great Lakes and Energy (EGLE), and the completion of our baseline information gathering, GLWA's increased dosing of orthophosphate, its anti-corrosion addition, began on Monday, October 21, 2024. The amount of orthophosphate will be gradually increased from 1.2 milligrams per liter to 2.4 milligrams per liter between October 2024 and February 2025. This first phase of the project, which is now underway, is an increase to 1.8 milligrams per liter.

There is no lead in GLWA's water and no lead pipes are used in the regional transmission system, we are doing this to assist our member partners in maintaining compliance with the changing lead action levels set by EGLE, as well as the ongoing updates to the U.S. Environmental Protection Agency's Federal Lead and Copper Rule (LCR). GLWA has prepared a Frequently Asked Questions about this update that can be found on the [Corrosion Control page](#) of our website.

Recently, we held a well-attended press event/signing ceremony at our Conner Creek CSO facility to formally announce GLWA's partnerships with the U.S. Army Corps of Engineers (USACE) on a regional flood mitigation study. I am very happy to report that we were joined at the event by a cross-section of state and federal elected officials, including U.S. Representatives Rashida Tlaib and Debbie Dingell, who brought remarks about the importance of the study to moving southeast Michigan forward and how any solution we develop must be regionally focused. The Public Affairs Group produced a One Water News Drop video on the event, which you can watch [here](#).

It is once again budget and charge development season at GLWA. On October 17th we hosted our first of four Charges Rollout Meetings to engage our Member Partners in the process. This first meeting focused on our Capital Improvement Plan (CIP) and included presentations from Chief Planning Officer Jody Caldwell and CIP Director Dima El-Gamal, as well as our directors of engineering for water and wastewater Tim Kuhns and Chris Nastally, respectively. All meetings will be concluded by the end of January.

Staying in the Finance Area, in late September we held our annual in-person Vendor Outreach Event at the Auburn Hills Marriot in Pontiac, which was attended by over 225 GLWA vendors.

After opening remarks by GLWA Leadership, a panel discussion titled “How We Select our Subcontractors” featured five GLWA prime contractors. This panel provided small business vendors with vital information on how to become subcontractors for firms that regularly do business with GLWA.

There was also a resource room and a special area for networking. I want to say great job to everyone in the Financial Services Area, most especially the Procurement Team, for their hard work in pulling this impressive event together.

My team member outreach continued in October with a visit to our Northeast Water Treatment Plant early in the month where I met with team leaders and held my usual informal lunch gathering. I also spent a full week at our Water Resource Recovery Facility (WRRF). Given that the WRRF has more than 400 team members, I wanted to break my interactions with team members into more manageable groups so I could have a better opportunity to chat and interact with a greater number of team members. It was a great week and as usual, I learned a lot.

I will close out my report as I always do, raising up the achievements of our talented team members.

I am proud to tell you that U.S. Department of Labor (USDOL) has designated GLWA as an Apprenticeship Ambassador. As an “Ambassador” we can post the logo on our website and submit testimonials on our program. Our commitment is to continue building apprenticeship programs and providing training to others. We are also considered “partners” with the USDOL to “shape Registered Apprenticeship expansion and diversification in our area of expertise, industry, local area, and supply chain.”

PLANNING SERVICES

Enterprise Asset Management Group (EAMG)

The EAMG has continued its focus on preparing for the implementation of NEXGEN, GLWA’s new computerized asset/maintenance management system. Highlights of the last month include participating in and leading GLWA training sessions, developing go-live and post-go-live support frameworks, and working with GLWA groups to optimize preventive maintenance strategies for GLWA’s assets. GLWA is going live with NEXGEN in early November, and this has been a busy period completing the litany of tasks that need to be completed in order to have a successful launch.

Efforts have continued related to planning the condition assessment inspection for GLWA’s 120-inch water transmission pipeline between the Lake Huron Water Treatment Plant to the Imlay Booster Pump Station. EAMG staff and our consultants have been busy preparing permits, designs, and plans for the inspection which is planned to occur in spring 2025.

EAMG staff and its consultants have been continuing the renewal and rehabilitation planning of the 24-mile pipeline that was inspected earlier this year. Current work is focused on developing the most appropriate renewal approach, including evaluating different technologies and scope to balance improvements in reliability and risk reductions with capital and operating costs.

PLANNING SERVICES (continued)

Capital Improvement Planning (CIP):

In September, our CIP Group successfully completed the projections for FY 2026-2030 CIP. CIP Team members worked diligently with the water and wastewater engineering teams to monitor and refine the CIP program portfolios.

The group's efforts supported the development of the FY 2026-2030 CIP Discussion Draft 1. This year, FY 2026-2030 Discussion Draft 1 will include updated projections to reflect actual expenditures at the end of FY 2024 and will incorporate the Project Managers' cost and schedule updates as of September 20, 2024. Due to the transition of our financial system to Workday, actuals for July and August will be included in FY 2026-2030 CIP Discussion Draft 2 which will be presented later this year.

Also last month, the CIP Group completed the development of video training materials covering Chapter 15 of the Program Management Plan (PMP), focusing on CIP Planning and Development. These resources aim to enhance the collective understanding and expertise of our delivery teams in these essential areas, strengthening our project management capabilities.

In September, the CIP Group, along with the Water and Wastewater Engineering Groups, presented at the Capital Planning Committee meeting on September 10, 2024. Various updates were shared with the committee including the progress of the FY 2026-2030 CIP, the FY 2024 CIP key performance indicators, and key water and wastewater projects.

Additionally, the CIP delivery team successfully hosted two sessions at the Vendor Outreach Event organized by GLWA's Procurement Group on September 26, 2024. The first session aimed to ensure that GLWA's valued vendor partners were briefed on updates to the CIP delivery guidelines, standard contractual documents,



and unified CIP delivery processes. The second session focused on Chapter 5 of the PMP (Cost and Schedule Management), outlining GLWA's expectations for vendor-provided project schedules and insights into the project schedule review process using cost-loaded schedules.

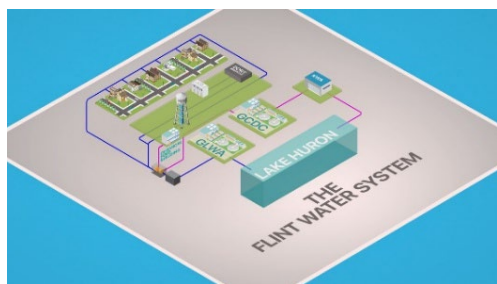
PLANNING SERVICES (continued)

Lastly, the team actively engaged in recruiting efforts over the past month, reviewing resumes and conducting interviews to fill key positions within the CIP delivery team.

The CIP Group is optimistic that it will soon fill the Manager of Assurances and Budget Management Professional roles.

Member Services Group

The **Water Management Best Practices (WMBP) Work Group** met at the City of Warren's Department of Public Works on September 18, 2024. Luke Blackburn and Sean Knapp of Ypsilanti Community Utilities



Layout of the City of Flint Water System

Authority presented their progress in identifying lead service lines through the Environmental Protection Agency's Get the Lead Out initiative. Scott Dungee from the City of Flint provided an update on Flint's water system upgrades, which included a new backup water supply, reservoir rehabilitation, pump station rehabilitations, new chemical feed building, re-



engineering of its elevated storage tank, and advanced water quality monitoring stations. A newly developed animated video of the Flint water system can be found [HERE](#).

The roundtable discussion focused on water emergency communications, particularly during boil water advisories, with an emphasis on building public trust and sharing communication resources. The group also discussed plans for the in-person Emergency Response training covering Incident Command Structure 100 and 200 scheduled for October 24th. The next meeting is scheduled for November 20th.



The Water Analytical Work Group (AWG) met virtually on September 24, 2024, to discuss the Linear System Integrity Program, Satellite Leak Detection Pilot Project update, Corrosion Control update, the system's 2024 maximum day and peak hour totals, and the annual water contract exceedance process.



Corrosion

PLANNING SERVICES (continued)

Olivia Olsztyn-Budry, Manager of Enterprise Asset Management, presented the results of the condition assessment and renewal plans for the 36-inch transmission main along 24 Mile Road in Shelby and Macomb Townships. John Norton, Director of Research and Innovation, provided an update on the satellite leak detection pilot project, which utilizes experimental technology from Asterra to detect water main leaks via satellite imaging in five areas within the regional system.

Additionally, Vittoria Veltri from GLWA Water Engineering, along with Gwen Kubacki and Rebecca Slabaugh from Arcadis, presented an overview of GLWA's voluntary Corrosion Control Optimization Study. This study aims to ensure optimized corrosion control in the distribution system and compliance with state and federal regulations. The study involved testing various materials to evaluate the effects of alternative corrosion control treatments on different pipe materials, resulting in a plan to increase orthophosphate dosing at water treatment plants planned for October 2024. The GLWA Corrosion Control Program website can be found [HERE](#). Doug Inman, from the Water Analytics, Planning & Metering Group, revealed the system's 2024 maximum day and peak hour totals and reviewed the annual contract exceedance process. For 2024, one member partner exceeded its maximum day contract value on the system maximum day. No member partners exceeded contract values on the system peak hour. The next AWG meeting is scheduled for October 29th.

A **Wastewater Analytics Task Force (WATF)** meeting was held at the University of Michigan Detroit Center on September 6, 2024. The meeting began with Kevin Jankowski of GLWA speaking to the cost assignment agreement for the Oakwood project followed by a high-level preview of forthcoming discussions related to the future sewer SHAREs process and peaking factors. Next, Kevin presented the next steps for GLWA's handling of solids at WRRF, which include moving forward with a Biosolids Feasibility Study. This was followed by a presentation from the Michigan Center for Freshwater Innovation (MCFI) on their project titled "Regional Coordination to Optimize Wastewater and Stormwater System Operations". MCFI was created through a partnership between GLWA and local universities. Presenters included

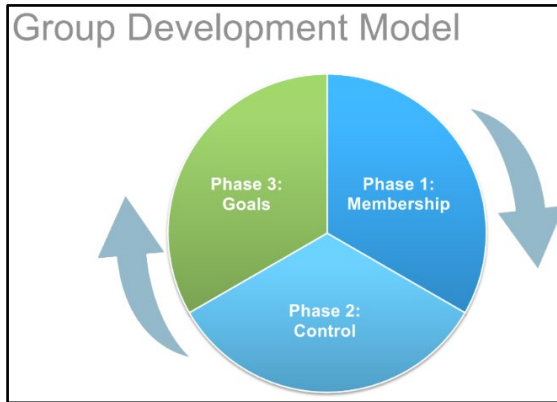


MCFI leads members in a round-table discussion on regional coordination opportunities to reduce flooding in Southeast Michigan by optimizing wastewater and stormwater system operations.

Curt Wolf of the University of Michigan and Carol Miller and Lara Treemore-Spears from Wayne State University. The meeting was rounded out with Kevin Jankowski presenting on a proposed system optimization pilot project related to GLWA's Long-Term Combined Sewer Overflow Control Plan, and then delivering information on Highland Park's metering parameters. The next WATF meeting is scheduled to take place on November 8, 2024.

PLANNING SERVICES (continued)

A **One Water Partnership** meeting was held on September 19, 2024, at the University of Detroit, Mercy. Members from GLWA's new Financial Consultant, Wildan Financial, were introduced to members at the beginning of the meeting. Chief Executive Officer, Suzanne Coffey, spoke to the group about the importance of partnerships going beyond collaboration and One Water Co-Chair, Kevin Johnson, discussed the meaning of both collaboration and partnership as they are put into practice by GLWA and Members. Next, Kerry Sheldon from Bridgeport Consulting led a discussion on collaboration and the group development model, focusing on the priority of membership. GLWA's [Linear System Integrity Program](#) (LSIP) video was shown and the program was described by Chief Planning Officer, Jody Caldwell. The LSIP is designed to proactively assess water transmission mains and wastewater interceptors and renew deteriorated pipelines to reduce the impacts of failures, improve service levels, and increase the reliability of GLWA's linear assets. presentation was given by GLWA's Chief Financial Officer, Nickie Bateson, on the Water Residential Assistance Program that assists eligible, low-income households who receive water and/or sewer service from GLWA member partner communities.

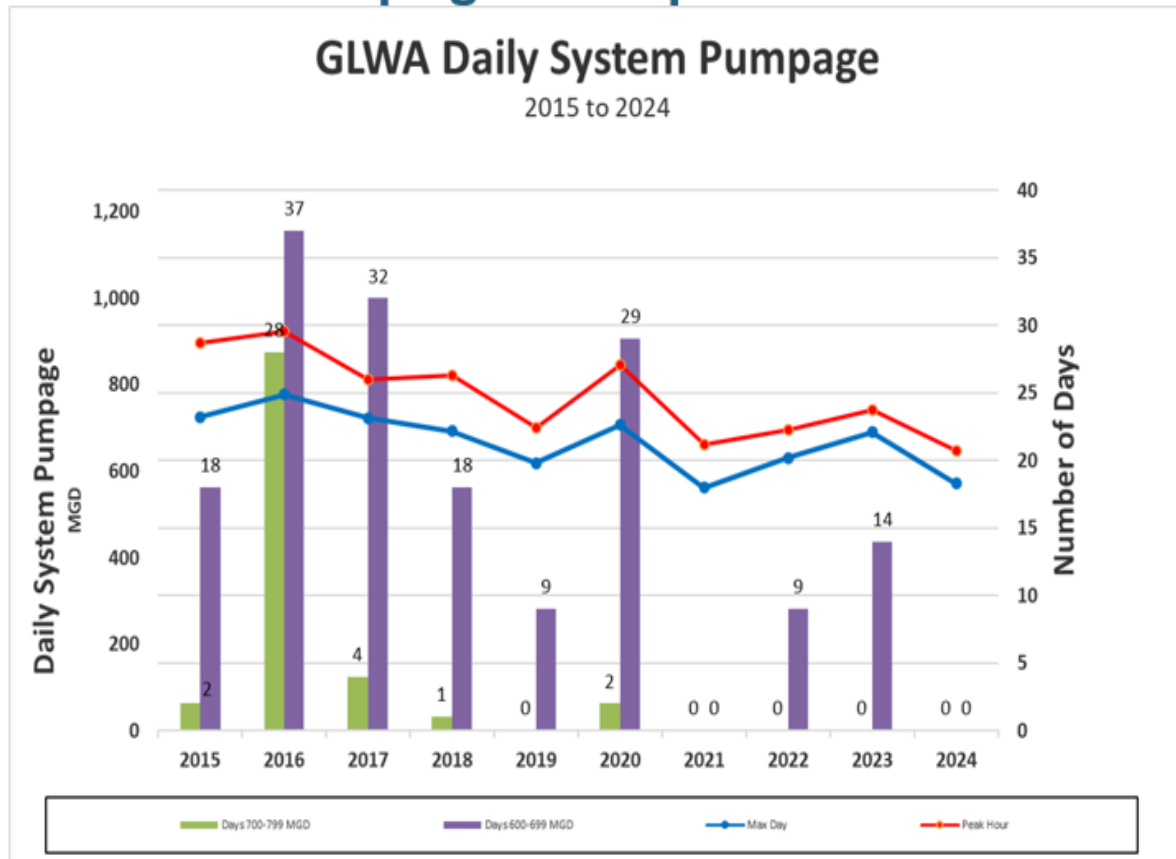


The final presentation of the day came from Cheryl Porter, GLWA's Chief Operating Officer – Water and Field Services, on GLWA's new Corrosion Control Implementation Plan that involves increasing the amount of orthophosphate used in the water treatment process. The next One Water Partnership meeting is scheduled for December 12th.

Water Analytics, Planning & Metering (WAPM)

The Water Analytics, Planning, and Metering Group conducted the assessment of the water system's maximum day and peak hour for 2024. In comparison to 2023's 690 million gallons per day (MGD), the June 19th maximum day in 2024 had an adjusted pumpage of 571 MGD, while the June 19th peak hour had a flow of 647 MGD. A chart with GLWA's historical pumpage statistics can be found below. This chart shows days with over 600 and 700 MGD pumpage. As can be seen, in 2024, the system had zero days with over 600 MGD pumpage. Over the past ten years, 2021 saw the lowest pumpage on a maximum day (562 MGD), while 2016 saw the most pumpage on a maximum day (777 MGD).

Historical Pumpage Comparison 2015 to 2024



Wastewater Analytics, Planning & Metering (WwAPM)

In September, Eric Wahrman joined the Wastewater Analytics, Planning, and Metering Group as a Hydraulic Modeler! Eric's background in wastewater conveyance, modeling, and calibration is well suited for this position. This new role to GLWA will serve as the point person for the wastewater hydraulic model and will expand our capabilities to perform simulations to investigate historical rain events, forecasted conditions, and project impacts.

The WwAPM Group provided representation and support at the three-day design charrette, hosted by the United States Army Corps of Engineers, for the Southeast Michigan Flood Mitigation Study. We were impressed with the contributions from the various attendees who shared various ideas, concerns, and priorities as it relates to flooding throughout the region.

PLANNING SERVICES (continued)

However, after the charrette, the devastating impacts of precipitation-induced flooding from Hurricane Helene in areas like North Carolina highlight the need to investigate and design resilient infrastructure systems. We are excited to embark on this collaborative project, with stakeholders, to identify and recommend solutions for our region.

WASTEWATER OPERATING SERVICES

Wastewater Operations

The Water Resource Recovery Facility (WRRF) operations complied with the Water Quality Standards for the month of October and there were no compliance issues during September.

Wastewater Operations hosted a fall fertilizer giveaway. The fertilizer is developed from the Biosolids Dryer Facility (BDF) facility. During the spring giveaway, team members found the specially formulated fertilizer to be incredibly beneficial for promoting healthy grass growth. Unlike store fertilizers, which often contain high levels of chemicals, the BDF fertilizer nourishes lawns naturally, leading to stronger roots and improved resilience against winter stresses. This also contributes to better soil health and environmental sustainability. All GLWA team members were encouraged to take advantage of this giveaway and see the difference in their lawns for themselves. This fertilizer is more porous, keeps moisture for a longer time and has a slow release, giving better nutrients to lawns.

Fall Giveaway
FREE FERTILIZER*
AVAILABLE FOR ALL
GLWA TEAM MEMBERS

BIOSOLIDS DRYER FACILITY
9125 W. JEFFERSON AVE
DETROIT, MI 48209
(313) 551-5278
OCTOBER 7 - 12, 2024
6:00 AM - 12:00 PM

GLWA TEAM MEMBERS MUST HAVE ID
UPON ENTRY AT GATE

BRING YOUR OWN BUCKET
LIMITED TO (5) 5 GALLON BUCKETS**

*Class A Exceptional Quality Biosolids
**In compliance with EPA requirements

The WRRF Operations Team provided the Michigan Water Environment Association (MWEA) Process Committee delegates with a tour of the WRRF and the BDF Facility. The delegates received a comprehensive understanding of the treatment process operations. Delegates appreciated the tour and are pictured in the photo shown right.



WASTEWATER OPERATING SERVICES (continued)



We are excited to share that updates to the Waste Activated Sludge (WAS) building have been completed, including fantastic new stenciling graphics. These updates reflect the commitment to promoting training and safety at the WRRF. Public Affairs Specialist, *Mikala Evans* designed the graphics and Signature Contracting Group completed the design on the building. The new graphics are not only a great visual element to the WRRF, but also a reminder of practicing safety protocol while on site.

The WAS building is used for confined space training of GLWA team members.

The top and bottom photos show the WAS building with the new stenciling graphics along with Wastewater HAZMAT, Risk Management, Training, Operations and Engineering team members.

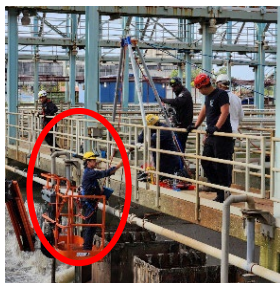


Maintenance

The Central Maintenance Team completed a variety of safety and operational improvement projects at the WRRF. The team added a safety gate to the Complex II Dewatering loading dock and recently, a project was initiated to have teams store their oil in this centralized area and the door is frequently left open to allow for the loading and unloading of oil drums. The addition of this safety gate provides another boundary to protect team members during operations, helping to ensure a safer work environment.



WASTEWATER OPERATING SERVICES (continued)



*Maintenance Technician **Jay Cleveland** performing repairs to the PS2 aeration piping with the HAZMAT Team looking on is pictured above*

Additionally, the Central Maintenance Team performed repairs to the Pump Station 2 (PS2) aeration system. Multiple vendors were engaged, but all required the entire aeration system to be shut down to perform the work. The Central Maintenance Team was able to perform the repairs with the system in service, and with assistance from GLWA's HAZMAT Team, they were able to perform it safely! The willingness of the Central Maintenance Team to perform difficult jobs and their strict adherence to safety protocols, allows the team to perform major repair work in-house and provides significant cost-savings for GLWA.

The rooftop unit (RTU) on the main guard shack at the WRRF has exceeded its useful life, with repeated failures, and utilized R-22 refrigerant, which is being phased out by the Environmental Protection Agency due to it being especially harmful to the ozone layer. Team Leader *Jonah Steenbergh* initiated a project to replace the unit. The new installed unit provides more comfort for Security team members at the WRRF, is more power efficient than the old unit, and utilizes a more environmentally friendly and cost-effective refrigerant. *Jonah* plans on continuing his project to replace the remaining R-22 units at the WRRF.



On the left is the old RTU for the main guard shack building, on the right is the new RTU.

Laboratory



Chemists Natalia Chevtchenko and Rob Stinolis evaluating the GCMS column.

The WRRF Laboratory welcomed Sarah Crumlett in October. Sarah provided 24 hours of Onsite Gas Chromatography – Mass Spectrometry (GCMS) training to 7 Chemists. Team members learned about instrument tuning as well as maintenance and troubleshooting techniques. With this advanced knowledge, the WRRF Laboratory will be better equipped to start analyzing samples for Volatile Organic Compounds and Semi-volatile organic compounds in the near future.

WASTEWATER OPERATING SERVICES (continued)

Process Automation & Control System Team (PACS)

Operational Technology (OT)/PACS team members participated in final site acceptance testing (SAT) this month at the WRRF's Hypo Facility. The Hypo Facility houses sodium hypochlorite tanks and pumps that are employed during wet weather to disinfect treated wastewater.

Recent contract work at the Hypo Facility has improved flushing capabilities through the relocation of flushing valves and installation of new piping. Flushing ensures that residual chemicals are purged from the pipes after each dosing operation, reducing the potential for chemical off-gassing and corrosion.

The OT/PACS team worked with contractors during the SAT to verify that all control signals, logic, and graphics were functional and updated to reflect the new physical configuration of the system.

The OT/PACS team successfully conducted software factory acceptance testing for the Leib Combined Sewer Overflow (CSO) Facility. The Leib CSO facility will undergo an upgrade featuring significant revisions to the Instrumentation and Controls system. New control logic, graphics, and network communication settings were tested by OT/PACS to ensure that the software would be able to effectively control and monitor equipment at the Leib facility and at each of three satellite sites (Harbortown, Bellevue, and Jefferson).

The OT/PACS team verified the functionality of all control functions, command signals, alarming, and human machine interface graphics. The testing was conducted using a remote connection to a server hosting virtual simulations of the logic controllers, database and workstations that will eventually be installed at Leib. The software will be tested again in a few months on physical hardware during site acceptance.

Industrial Waste Control

The 2024 Amendments to the GLWA Industrial Pretreatment Program Rules was submitted to the GLWA Board of Directors on September 25, 2024. As part of this submission, a public comment period has been opened ending on November 11, 2024. A public notice has been sent to member communities, and courtesy notices have been sent to all permit holding users, and other interested parties. A presentation will be given to the Board of Directors at the October 23, 2024, meeting.

WASTEWATER OPERATING SERVICES (continued)

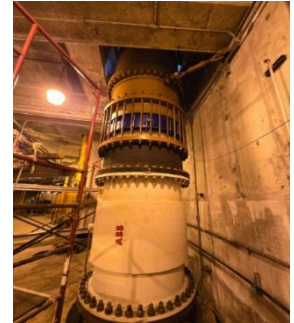
The November mid-year report for Perfluorooctane sulfonate and Perfluorooctanoic acid Minimization Program which is due November 11, 2024, is in progress.

Engineering And Construction Wastewater Projects in Construction

CIP Construction:

CIP 211005.3, Contract No. 2104082 – Pump Station 2 Mag Meter Replacement

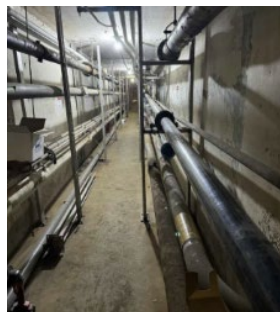
This construction project replaces the six remaining 54-inch end-of-life flow meters for the main lift pumps. The flow meters for Sewage Pump Nos. 9, 10 and 15 are complete. The flow meter for Sewage Pump No. 12 is currently being replaced. With dry weather in the short-term forecast, additional flow meters will be replaced during the month of October 2024.



New sewage pump mag meter is shown in the photo above.

CIP 211006, Contract 2103350 – PS No.1 Improvements (WRRF)

The Contractor is performing work on the mezzanine roof, conduit basement, service tunnel, pump station exterior windows, venturi vaults 1 through 4 and is working in the upper wet well to install an air hoist control to remove upper stop-log sections when needed. The conduit installation at a new electrical building is ongoing while the Contractor is working on the north dry well for wall repairs. The flowserve submittal is delayed and expected by October 31, 2024.



Work at Service Tunnel



Windows Replacement

CIP 211008, Contract 2002190 – Rehabilitation of Ferric Chloride Feed System at Pump Station-1(PS-1) and Complex B Sludge Lines (WRRF)

Closeout documents were received with the unconditional waivers and consent of surety and the final payment and release of retention is in process.

WASTEWATER OPERATING SERVICES (continued)

CIP 212008, Contract 2102926 – WRRF Aeration Decks 1 and 2 Improvements

Cleaning and inspection of the Aeration basin # 2 is in progress. The Contractor submitted the final feasibility study report along with the cost and schedule impact for installing two additional low flow pumps at the beginning of October 2024. Different workshops and coordination meetings with O&M staff are being scheduled and conducted to discuss the physical modeling results and other field investigation findings.

CIP 213007, Contract CON-197 – WRRF Modification to Incineration Sludge Feed Systems at Complex II (WRRF)

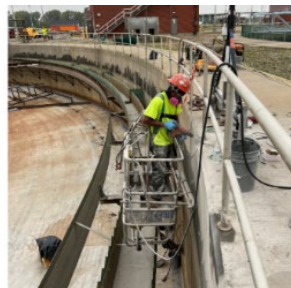
The second attempt for the 30-day test started on August 20, 2024, stopped on August 25, 2024, due to motor failure in Conveyor G. Conveyor G motor was rehabbed and replaced back with other modifications done to the chute between B and E Belts. It is suspected that power feed can be a potential source for the continuous motor failures. Weiss was requested through a letter to provide a written power feed testing plan for GLWA's approval.

CIP 216006, Contract 1903601 and 1903598 – Assessment and Rehabilitation of WRRF Yard Piping and Underground Utilities (WRRF)

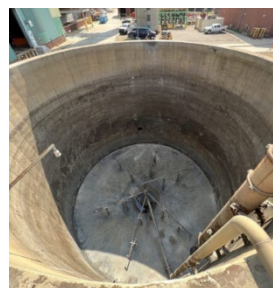
Steam pipe installation in the tunnels under the administration buildings are being tested to be put back into service. Parallel potable water main line testing, shutdowns, potential temp feeds are being planned. Secondary water main lining from WAS building to Copeland Gate has started. Operational difficulties with the watermain around the aeration deck has come up as necessary scope expansion to be able to perform the planned secondary water work. Natural gas line replacement around the primary clarifiers – Phase 2 of 7 is complete. The Screened Final Effluent large diameter gate valve assessment program is in the middle of creating its first work plan for site work.

CIP 216011, Contract No. 2100239 – WRRF Facilities Structural Improvements

The Contractor is working on tank repairs as they are available from the operation, and is working on New and Old Administration Buildings exterior repairs, Primary Clarifier 18 and Sludge Thickener Tank No. 2. Work at Complex A and B pipe gallery completed to 98%.



*Repairs at
Primary
Clarifier #18*



*Sludge Storage Tank #1
repairs completed*

WASTEWATER OPERATING SERVICES (continued)

CIP 222002, Contract DB-226 – Rehabilitation of the Detroit River Interceptor from Alter Rd. to WRRF

Most repairs and cleaning in Reaches 2 and 2A have been completed, with significant progress being made in Reach 3A, particularly between Rivard and the Renaissance Center. The repairs in Reaches 2 and 2A are expected to be completed by Q4 2025. At Fox Creek, GLWA has completed property acquisition, and crews have begun installing sheet piling for the tunnel mining shaft. The new pipe has been fabricated and is set to arrive on-site in October 2025, with the tunnel expected to be completed by the end of November 2025.

CIP 232005, Contract No. 2204605 - Freud Sanitary Pump Stations Improvements

The contractor has obtained all necessary utility demolition clearance letters and has applied for demolition permits. The contractor has begun abatement of the structures that will be demolished. The Contractor has filed for their permits with the City of Detroit and continues the submittal process in preparation for moving forward with construction.

CIP 260204, Contract No. 2103688 – Rehabilitation of Connors Creek Sewer Systems

Grouting and spot repairs are ongoing under airport. Slip lining for the first of two sections is complete with grouting ongoing. Design for improvements at the forebay are in process with design at 100%.

CIP 260205, Contract 2102824 – Rehabilitation of the Northwest Interceptor from 8 Mile to Tireman

Contract was completed in September. Final closeout paperwork is ongoing.

CIP 260206 - 2202757 - Joy Brush Bates Rehabilitation

Work on the Brush/Bates sewer segments has entered the Central Business District. Mothballing of the Joy Road bypass under M-10 is complete. Dewatering is being set up to pump down the siphon that extends through downtown.

CIP 260207, Contract No. 2004082 – Rehabilitation of the Woodward Sewer

The project has reached substantial completion. There are major administrative and punch list items that are being worked on along with all parts of the project.

There has been no response from the Contractor for the final completion of work items and contractual remedies are being pursued.

CIP 260510, Contract No. 2204611 – Combined Sewer Overflow (CSO) Outfalls Rehab Phase V

The Contractor has completed debris removal from Outfalls B-25, B-35, B-41, & B-44 and continues to remove debris from Outfalls B-4, B-30, B-37, & B-38. The Contractor has completed spot repairs in the chamber portion of Outfalls B-25, B-26, B-30, B-32, B-33, B-34, B-35, B-41 & B-44. The Contractor has completed spot repairs in the sewer portion of Outfalls B-4, B-30, B-34, B-35, B-41, & B-44 and has started this work in Outfall B-38. The contractor has completed the manhole frame and cover replacement for Outfall B-44 and has started this work in Outfall B-4.

WASTEWATER OPERATING SERVICES (continued)

The contractor has completed the removal of the delaminated liner within Outfall B-4 and has begun repair of the liner. The placement of flowable fill in Outfall B-25, installation of the structural spray lining in Outfall B-35 & B-44 and slip lining work in Outfall B-38 have all begun. The Contractor has completed the cured in place pipelining in B-44.

CIP 260614, Contract No. 1902224 – Combined Sewer Overflow (CSO) Facilities Structural Improvements

The base contract work at all CSO facilities has been completed. Change No. 003 is in process of approval for time extension and additional funds to replace existing electrical duct bank and associated work due to DTE requirements. Contractor is working on different options to reduce additional cost.

CIP 260701, Contract 2102859 – Conveyance System Infrastructure Improvements

The project continues to progress on schedule and on budget. Regulator improvements are complete at outfalls B-5 and B-6, and B-21, and nearing completion at B-14, B-15, B-16, B-21, B-26, B-29, B-33, B-34, B-38, B-40, and B-44. Backwater gate fabrication and installation continues. Instrumentation and controls have been tested for acceptance at outfalls B-5, B-6, and B-21. Site modifications to the US Army Corps of Engineers (USACE) facilities at outfall B-7 are underway, as is coordination with other GLWA and City of Detroit projects. Substantial completion is expected in December 2025.

CIP 260701, Contract 2201142 – Conveyance System Infrastructure Improvements: Sewer In-System Storage Devices (ISD) and Valve Remotes Improvements

ISD equipment installation is complete or nearing completion at all the ISD sites, all expected to be completed by December 2024. Improvements to B-25, B-48, B-83, B-86, and B-95 are complete. Equipment startup and testing by contractor and GLWA staff is ongoing. All ISD sites manhole modifications are complete. Engineer-directed repairs to inflatable dams are underway and will continue through the fall and winter. Contract time has been extended via a change order that was approved by the Board in July. Work is expected to be substantially complete by March 2025.

CIP 260802 – Contract 2300394 – WRRF Roof Improvements

This project is to replace various roofs at the WRRF which have exceeded their life expectancy. Roofs to be replaced are the Scum Concentration building, Dewatering complex I, Vehicle and Ground Maintenance, and Central Offload. The Contractor has completed major work on all four roofs and is finalizing sheet metal details.

CIP 260901, Contract No. 2101878 – WRRF Hazmat Building Rehabilitation

The city building inspection was completed on September 25, 2024. Operations and Maintenance and training manuals are still being finalized by the contractor and engineer. Training is expected to occur at the end of October 2024. Substantial completion will be declared upon completion of the training.

WASTEWATER OPERATING SERVICES (continued)

CIP 260903, Contract No. 2201744 – Front Entrance Rehab

The Contractor has completed demolition of the front surface parking lot and driveway. The permits have been approved and received for the project. The contractor has begun construction of the new visitor's parking lot. Exploratory excavation for the supports for both canopies has been completed and the design of the Ragland Canopy is nearing completion.

CIP 260905, Contract No. 2203675 – WRRF Plumbing Shop Improvements

The trench for electrical power was poured, DTE coordination is in progress to remove electrical power poles. Geotechnical Investigation and recommendations were finalized. Interior slab work is in progress.

Non-CIP Construction:

Contract No. 2201101 – Complex II Incinerator 11 Rehabilitation

Based on previous inspection of the overall incinerator, we are waiting for a small number of spare parts, which upon receipt, we will be ready to turn on burners and check for proper operation and start up the incinerator (scheduled for October 21, 2024).

Combined Sewer Overflow (CSO) Control Program

CSO Operations

There were no discharges in the month of September. The fall is starting out rather dry for the conveyance system regarding rainfall. Team members began their NEXGEN training, which is our new Computer Management Maintenance System (CMMS). The Team was able to ramp up efforts on preventive maintenance activities, which included weekly inspections of our submersible dewatering pumps. These pumps, which are located at all nine locations, are used to empty the basins and wet wells for the facilities to be ready for the next rain event. The extra inspections allow the team to inspect the cables, impellers, chopper blades, etc., for damage that may cause catastrophic failure, resulting in costly repairs and replacement.

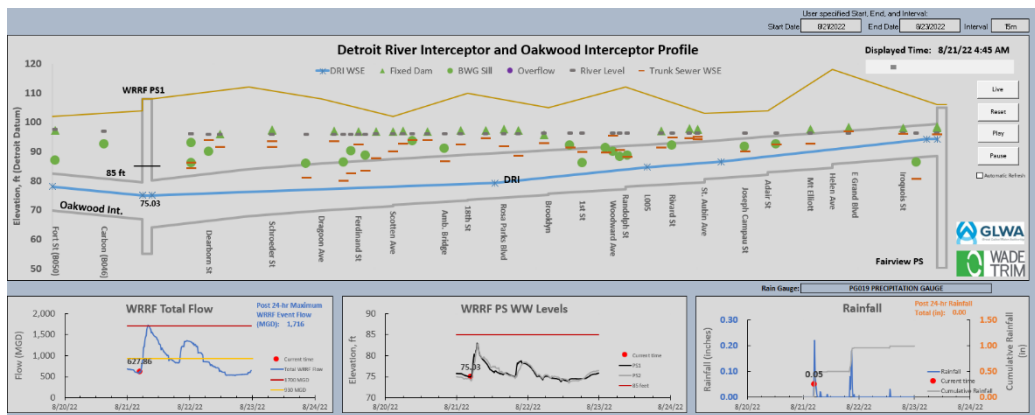
The Conner Creek CSO Facility was selected to be the host site for the signing of the partnership agreement with the USACE for the flood mitigation study. GLWA's Executive Leadership Team (ELT) as well as various stakeholders and political leaders were in attendance. A tour of our facility was provided at the end of the signing ceremony.

Our vendors conducted a 90% design mixed reality workshop for Oakwood CSO and Pumping Station, and Leib Screening and Disinfection Facilities. During this workshop, Maintenance and ELT were able to view the new designs of the facilities using virtual reality headsets. Training will also be provided for our team to use the software to view from our desktop later.

WASTEWATER OPERATING SERVICES (continued)

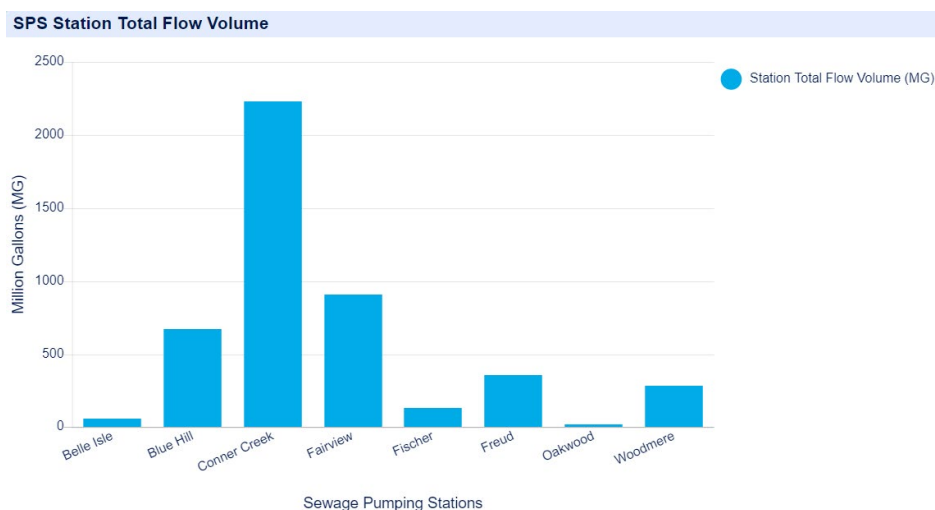
CSO Conveyance

Training was provided to ELT for the River Rouge and Detroit River Interceptor/Oakwood Interceptor outfall hydraulic viewer. This tool enables us to monitor the levels in real time outfall structures.



CSO Sewer Pump Stations

The pump station flows were normal due to the lack of rainfall during the month of September. As part of our condition monitoring at the pumping stations, we are in the process of acquiring new vibration sensors for the Belle Isle and Woodmere stations. Wet well cleaning is being surveyed to be performed at Oakwood and Belle Isle as those stations wet wells are more accessible. The purpose of cleaning is to prevent our sanitary pumps from being damaged due to excessive trash and debris that included rocks, sticks, various plastic, etc.



WASTEWATER OPERATING SERVICES (continued)

The CSO team was successful in hiring a new Instrumentation Apprentice, EICT-I, *Damion Upshaw*, who will be trained in the field as well as at the CSO and the Sewage Pump stations. *Mark Causey* also joined the Sewer Pump Station team as a Maintenance Technician. *Mark* is an internal hire from the Facilities team at the WRRF. *Marshi Davison Jr.* will also soon join the Wastewater Conveyance Team as a Maintenance Technician.

There are currently positions open for a CSO Conveyance Maintenance Technician, a CSO Plant Technician and a CSO Facility Technician (CSO).

During our preparation for the signing of the flood mitigation agreement between CEO, *Suzanne Coffey* and the USACE, team members pitched in to assure the CSO facility was welcoming to our visitors. *Timothy Davis*, Wastewater Conveyance Team Leader led the efforts with *Derrick Turner* and *Darius Sturdivant*, Maintenance Technicians. Trash and debris removal as well as street sweeping were some of the activities conducted to provide more attention and cleanliness to the grounds for the occasion.

WATER OPERATIONS AND FIELD SERVICES

Water Operations

Corrosion Control Update Project

With permission granted from the Michigan Department of Environment, Great Lakes and Energy (EGLE), and the completion of our baseline information gathering, GLWA's increased dosing of orthophosphate, its anti-corrosion addition, began on Monday, October 21, 2024. The amount of orthophosphate will be gradually increased from 1.2 milligrams per liter to 2.4 milligrams per liter between October 2024 and February 2025. This first phase of the project, which is now underway, is an increase to 1.8 milligrams per liter.

While there is no lead in GLWA's water and no lead pipes are used in the regional transmission system, we are doing this to assist our member partners in maintaining compliance with the changing lead action levels set by EGLE, as well as the ongoing updates to the U.S. Environmental Protection Agency's Federal Lead and Copper Rule (LCR). GLWA has prepared a Frequently Asked Questions about this update that can be found on the [Corrosion Control page](#) of our website.

WATER OPERATIONS AND FIELD SERVICES (continued)

Water Quality

24 Mile Road 36-Inch Transmission Main

With minimum oversight, Water Quality's field investigators Terry Foster, Diego Solis, and Adedayo Ogunnupe chlorinated a 36-inch transmission main on 24 Mile Road. The team worked together with the GLWA Water Transmission team to complete the job. The goal was to disinfect the transmission main in time for the Labor Day weekend and an anticipated warmup in the weather. The team experienced multiple challenges from ongoing road construction projects, traffic congestion, and severe storms in the area. They performed confined space entry set-up, disinfection calculations, and tracking the chlorine residual in the transmission main. The transmission main was returned to service after passing bacteriological sample analysis.

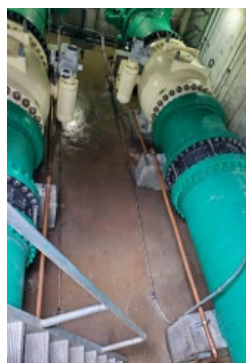


36-inch transmission main

Springwells Plant Reservoir Fill Line

Water Quality was tasked with planning to prepare Springwells Water Treatment Plant reservoir 42-inch plunger valve fill line for service, and to address water quality issues with stagnate water when the valve is not in service. The reservoir fill line was installed as a contingency plan in the event Springwells Water Treatment Plant's treatment processes are interrupted for long periods of time. The line would allow Southwest Water Treatment Plant to provide additional flow to meet demand requirements to the pressure zone normally served by Springwells Water Treatment Plant and provide additional flow into its reservoir system.

To address the potential for stagnate water, a 2-inch copper line was installed by our contractor. Water Quality was tasked with disinfection. Water Quality team leader Yvette Hayes-Johnson reached out to the plant manager, operations team leaders, GLWA Water Transmission team, and the System Resiliency team for assistance.



Pictured left to right: Springwells Water Treatment Plant bypass valve interior of the vault, and Springwells valve control panel and exterior of the vault

WATER OPERATIONS AND FIELD SERVICES (continued)

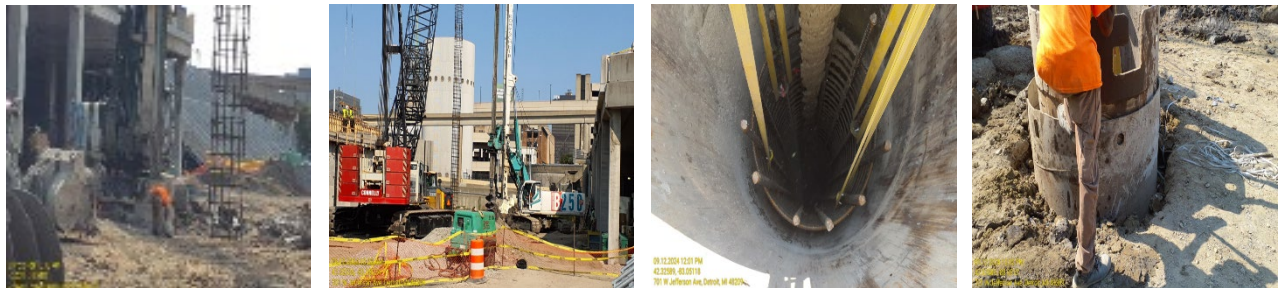
The Water Transmission team provided resources and team members. In addition, the Water Quality team performed on-the-job training for disinfection set-up. Springwells Manager Kieyona Bailey created the standard operating procedure on the valve operation process. Once bacteriological test samples passed, the 42-inch fill and 2-inch copper line were released for service.

Water Transmission

Our Utility and Permits Inspectors are responsible for marking the location of each facility with paint, stakes, flags, or other customary methods using the uniform color code of the American National Standards Institute, blue for potable water and green for sewer lines.

MISS DIG Locate Tickets:

- Total number of tickets received: 750
- Tickets completed: 750
- Tickets in progress: 0



South side of Jefferson Avenue, from First to Third Streets. The project includes the construction of a new south approach roadway, culvert, a load distribution slab, and both a temporary and permeant drainage system.

Photos by inspector Lashone Pate

Maintenance & Repair Team

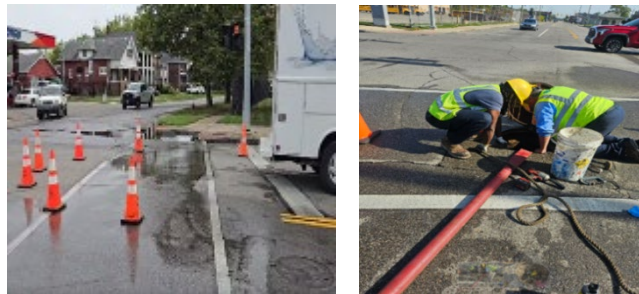
The Maintenance and Repair team worked on watermain repairs, confirmation of valve positions and/or leaks, and special projects this week.

The crew worked on confirming the valve positions and/or repairing leaks on valves, investigate transmission main leaks and checking structures throughout the transmission main system:

1. Crew checked the valves on the 24-inch watermain at Charlevoix Road and Alter Road in the City of Detroit.
2. Crew reconfirmed the shutdown of the 24-inch watermain at Michigan Avenue from Michigan and 10th Street to Michigan and 20th Street for decommissioning.

WATER OPERATIONS AND FIELD SERVICES (continued)

3. The crew responded to a leaking valve at Mack Avenue and Cadillac Street in the City of Detroit. A temporary repair was completed on a 6-inch gate valve to eliminate a leak. However, a replacement of this valve is being scheduled and coordinated with the City of Detroit.
4. Crew reopened the valves to Meter Pit SE-09 at 14 Mile Road and Lasher Road.
5. Crew prepped Meter Pit FE-02 and SE-05 for meter operations.
6. The crew continued brush cutting and clearing at various locations along the 120-inch Transmission Line from Lake Huron Station to the Imlay Pumping Station.
7. The crew also performed leak detection near the existing 96-inch watermain near 51677 Foster Lane in Shelby Township. This work is ongoing and includes coordination with the Shelby Township Department of Public Works.



Valve at Mack Road and Cadillac Street – Before repairs (left) and during repairs (right)



Meter Pit SE-09 14 Mile Road and Lasher

Mechanical Maintenance

The Mechanical Maintenance crews worked on monthly, quarterly, semi-annual, and annual preventative maintenance and corrective maintenance throughout the system this week.

The crews worked on the following corrective maintenance projects:

1. Blue Hill Sanitary - Installation of a check valve on the sump pump.
2. Eastside Station - Sump Pump pit inspection.
3. Freud Station - Sump pump pit inspection.
4. North Service - Troubleshoot inoperable control valve #2, removal of broken crosshead assembly.
5. Snover Pit - Removal of vault lid.

WATER OPERATIONS AND FIELD SERVICES (continued)

The crews completed preventative maintenance at the following booster stations:

1. Booster Stations: Adams, Eastside, Ford, Franklin, Haggerty, Imlay, Joy, Newburgh, North Service, Northwest, Orion, Rochester, Schoolcraft, West Chicago, West Service, Wick and Ypsilanti.
2. Collection Stations: Conner, Fischer, Freud

The crews completed maintenance at the following remote sites:

1. Internal Storage Damns: 9-13
2. Backwater Gates: 9-18, 95
3. Valve Remotes: 4



Michigan Avenue Station



Imlay City Station (left) and North Service Center (right)

Electrical Instrumentation Control Technician

Our Electrical Instrumentation Control Technicians completed their preventative maintenance, corrective maintenance, emergency repairs and supported our contractors in completing their maintenance.

The crews worked on the following corrective maintenance projects:

1. At Blue Hill Station during monthly generator maintenance, the team found that a bad cooling exhaust fan in the generator switchgear room. They acquired a new exhaust fan motor and replaced the old one with it. The fan is operational now.

WATER OPERATIONS AND FIELD SERVICES (continued)

The crews worked on the following troubleshooting projects:

1. A team was called out to investigate the lift station at Ypsilanti Station due to flooding. They found that the lift station was not working, and the pit was full of water. They pumped it down manually and found that there was a bad stop float and some faulty wire connections in the pit. After cleaning up the wiring and replacing one of the float switches, the station is now back in service.
2. A crew went to Imlay Station this week to look at Line Motor #5 to see why it is tripping off. After troubleshooting, they found that it was getting high amperage and tripping because of it. They made some adjustments to the power factor in the synchronization cabinet to bring it back to synchronized speed. They were then able to run it for a couple of hours without motor issues but found that one of the pump bearings was getting hot and tripped off the motor due to this issue. This has been turned over to Mechanical Maintenance to look at.

The crews completed preventative maintenance at the following Booster Stations:

1. Booster Station: Schoolcraft, Ypsilanti, North Service Center, and Joy

The crews completed the preventative maintenance on our generators at the following locations: Joy, Freud, Conner, and Blue Hill.

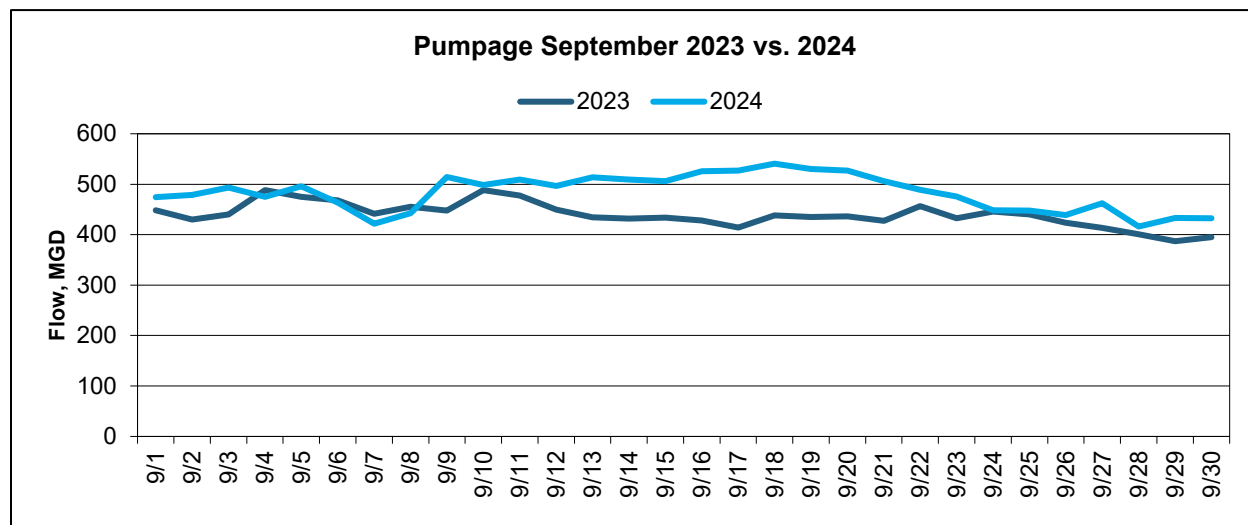


Dave West at Imlay Station looking at the soft starter for our Line/Reservoir #5 Motor to find out why it is tripping off. He is checking the settings in the starter to make sure it does not have any issues there.

WATER OPERATIONS AND FIELD SERVICES (continued)

Systems Control Center (SCC)

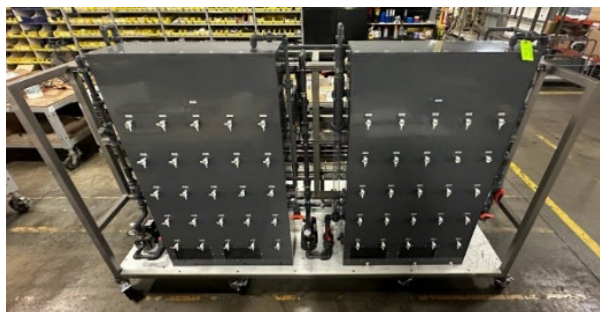
There was a 9.9% increase in pumpage from September 2023 to September 2024



Research, Innovation & Transformation

Research – Water Works Park Pilot Plant Renovation Update

The replacement treatment trains for the Water Works Park Pilot Plant are estimated to be delivered the week of October 28, 2024. The new treatment trains which include a filter and ozone modules are expected to be utilized for the Total Organic Carbon Project to investigate treatment configuration and techniques for the removal of total organic carbon.



*Ozone skid module assembled at the
INTUITECH Factory*

WATER OPERATIONS AND FIELD SERVICES (continued)

Engineering

Water Engineering Active CIP Project Status

CIP# 122013 (Contract No. 2004456) 14 Mile Transmission Main Loop- Phase II

Project Manager: Pete Fromm

This construction project is at 100% complete. The new 54-inch transmission main has been installed and the connections to the 8 Mile transmission main and the connections to the Haggerty Booster Station have been completed. The new 54-inch transmission main is being pressure tested, disinfected, and bacteriological tested.

Final punch list items for surface restoration (roadway) are being completed on Meadowbrook Road from 12 Mile Road to 13 Mile Road in the City of Novi. Final testing of the control valve station at the Haggerty Booster Station is planned for fall of 2024.

CIP# 119009 (Contract No. 1803990) Lake Huron High Lift and Yard Piping Improvements

Project Manager: Brian Vanhall

This project at Lake Huron Water Treatment Plant adds three pumps that are each rated for 20 million gallons per day, a 72-inch flow meter on the south high lift header with an 84" butterfly valve for isolation, 16" flow metering for process water usage by the plant, blowoff on the south high lift header, infrared heating within the pump building on the south side, and a replacement valve actuator on the 84-inch butterfly valve on the north high lift header. Construction for the south header improvements will be completed by the end of 2024. Remaining construction activities that include installation of the new high lift pumps will be completed by the end of 2026.

CIP# 112006 (Contract No. 1904231) Northeast Flocculator Replacement

Project Manager: Brian Vanhall

This project at Northeast Water Treatment Plant replaces flocculator equipment in all four basins, demolishes inlet gates to each flocculation chamber and installs a baffle block at each basin inlet for flow distribution, improves access to the drywell with stairs and platforms to access the new flocculator gearmotors and replaces the access hatches to the inlet gates in each basin. This project is in the construction phase and flocculation improvements have been completed for Basin #3. Flocculation improvements for Basin #2 started in September 2024 and are forecast to be completed in December 2024. The project is on track for overall substantial completion on July 13, 2026, and final completion by March 18, 2027.

CIP# 122004 (Contract No. 2300600) 96-Inch Water Transmission Main Relocation- Phase II

Project Manager: Corey Brecht

Project is in construction phase. The scope consists of approximately 8,000 ft. of 96-inch diameter welded steel pipe along Dequindre Road in Rochester Hills which is divided between North Dequindre and South Dequindre segments. Currently, the contractor has installed approximately 5,900 ft. of transmission main along the south segment of the project heading to Hamlin Road.

WATER OPERATIONS AND FIELD SERVICES (continued)

South Dequindre Road is planned to be restored in October 2024 (approximately five months ahead of schedule). Contractor has begun preparatory activities on the north segment of the project in anticipation for pipe installation to begin in November 2024. The entire project is currently on track to be completed by fall of 2025.

CIP# 122004 (Contract No. 2100998) 96-Inch Water Transmission Main Relocation Pipe Procurement

Project Manager: Corey Brecht

This contract is a material purchase with Northwest Pipe Company for the 96-inch spiral welded steel pipe. Currently Northwest Pipe Company is fabricating and delivering Phase II pipe for the contractor involved with Contract No. 2300600. The fabrication and delivery has increased to approximately 79% complete.

CIP# 122004 (Contract No. 2303968) 84-Inch Triple Offset Ball Valve Procurement

Project Manager: Corey Brecht

This contract is a material purchase for Phase III of CIP #122004 – 96-Inch Water Transmission Main Relocation Project. The material purchase includes two 84-inch triple offset ball valves that will be provided to the Phase III contractor for installation. The lead time of these valves was between 66 - 80 weeks from start of the shop drawing process and is the primary reason why GLWA pre-purchased these valves. The vendor has received approval on the submittal and is developing a production schedule for GLWA

CIP# 122004 (Contract No. 1900741) Professional Engineering Services for the Design and Construction of the 96-Inch Water Transmission Main Relocation

Project Manager: Corey Brecht

This contract provides engineering and construction assistance services for the entire 96-inch Water Transmission Main Relocation Project (Phase 1-3). The consultant has also completed the draft for the Design Build Request for Proposal package for Phase 3 that is scheduled to be advertised in fall 2024.

CIP# 122004 (Req No. 2401015) Design Build of 96-Inch Water Transmission Main Relocation-Phase III

Project Manager: Corey Brecht

This Request for Proposal (RFP) is scheduled to be advertised fall of 2024 and is currently being reviewed by Procurement. Draft Solicitation cover has been prepared and legal is reviewing the documents. The scope of this RFP includes final design and construction of the pipeline alignment, connections, line stop, temporary booster pump station, isolation valves, pipeline appurtenances, and abandonment of the relocated section of existing 96-inch water transmission main.

WATER OPERATIONS AND FIELD SERVICES (continued)

CIP# 122006 (Contract No. 1803621) Wick Road 48-Inch Water Transmission Main

Project Manager: Corey Brecht

Project is in construction phase. The work included installation of approximately 16,500 ft. of 48-inch diameter prestressed concrete cylinder pipe parallel to the existing 42-inch transmission main.

CIP# 111001 (Contract No. 1803769) Lake Huron High Lift, Low Lift, and Wash Water Pumping and Switchgear Improvements

This project provides engineering services to address long-standing issues with the switchgear, low lift, high lift, and corrosion control at the Lake Huron Water Treatment Plant. For the updates to the switchgear and low lift pumping improvements, the consultant has provided a 60% Design Package which has been reviewed and a 90% design package will be forthcoming.

The Basis of Design Report for the High Lift Pump Station has been reviewed and returned, and the 30% Design Package was received mid-July 2024. The Basis of Design Report for phosphoric acid improvements have been received and incorporated into the High Lift Pump Station Project. The high lift pumping and phosphoric acid improvements projects may be combined and modified to create cost overall savings on this CIP project

CIP# 111006 (Contract No. 2101680) Lake Huron Filter Instrumentation and Raw Water Flow Metering Improvements

Project Manager: Eric Kramp

This is a progressive design build project to address outdated and failing programmable logic controllers and controls throughout the plant, with particular emphasis in the filter building. The project is approximately 60% complete with Phase I. GLWA has reviewed and commented on the 60% Design Deliverable package and has returned it to the Contractor. The Contractor has provided the 90% Design Documents which are currently under review by GLWA. GLWA and the Contractor have begun discussions on the Phase 2 Cost and Pricing Agreement.

CIP# 111012 (Contract No. 2004549) Lake Huron Flocculator Improvements

Project Manager: Eric Kramp

This project is to bring the rapid mix and flocculation systems at the Lake Huron Water Treatment Plant to current standards. This project is in the study phase, with piloting of a mix of hydraulic and mechanical flocculation underway.

WATER OPERATIONS AND FIELD SERVICES (continued)

A pure engineered hydraulic flocculation solution could not be proven through piloting. Once sufficient data is collected, GLWA will meet with the Michigan Department of Environment, Great Lakes, and Energy (EGLE) to confirm that the preferred technological solution will be acceptable to the jurisdictional authority. The engineer is developing a presentation for EGLE on our recommended solution.

CIP# 170801 (Contract No. CS-151A) Reservoir Inspection and design at Imlay, Lake Huron Water Treatment Plant, Springwells Water Treatment Plant, Southwest Water Treatment Plant

Project Manager: John McCallum

This project is the design, inspection and construction management/resident project representation services for 10 finished water reservoirs. Design started in December 2018 and as-built drawings are in process now. All 10 reservoirs have been inspected and as-built documents are being prepared.

The contract had one change order for additional resident project representation services. The project remains on budget and is ahead of the contract final completion date of January 17, 2025.

CIP# 170801 (Contract No. 1900744) Reservoir Rehabilitation Construction Project at Imlay, Lake Huron, Springwells, and Southwest Water Treatment Facilities.

Project Manager: John McCallum

This low bid project is to clean and rehabilitate 10 finished water reservoirs based on the design package provided in Contract No. CS-151A.

It started in November of 2019 with punch list items getting wrapped up this winter. The project remains on budget and is ahead of the contract final completion of January 17, 2025.

CIP# 170802 (Contract No. 2100236) Reservoir Rehabilitation Phase II (Design), Booster Stations and Water Treatment Plants

Project Manager: John McCallum

This project provides the design, inspection services, construction management, and project representation services for 16 of the system finished water booster stations. Started in July 2022 with design and exterior inspections. Resident project representation services are being provided on the first three reservoirs of the contract during the 2023-2024 low water demand season and will continue through 2027.

WATER OPERATIONS AND FIELD SERVICES (continued)

CIP# 170802 (Contract No. 2201316) Reservoir Rehabilitation Phase II (Construction), Booster Stations and Water Treatment Plants

Project Manager: John McCallum

This project is the low bid construction component based on Contract No. 2100236 bid package to clean, repair, and add select improvements to 16 finished water reservoirs at Eastside, Wick Road, Schoolcraft, Haggerty, Adams Road, Joy Road #1 & #2, North Service Center #1 & #2, Water Works Park #1 & 2A/2B, Northeast #1 & #2, Michigan Avenue, Lake Huron #3. The project started in December 2023 with the first season of interior rehabilitation work at Wick Road, Eastside, and Schoolcraft completed and the reservoirs are back in service. Exterior improvements will continue throughout the summer. Next fall, another four reservoirs will be taken out of service for work. The last of the 16 will be finished in the 2026 to 2027 outage season with final contract completion in July 2028. The contract is on budget and time.

CIP# 114002 (Contract No. 2201068) Springwells Electrical Gear Replacement

Project Manager: Justin Kietur

This project is in construction phase. Project involves installation of new medium voltage switchgear and cabling from secondary side of GLWA transformers to the switchgear, and from the switchgear to the Low Lift and High Lift Pumps and plant unit substations. Demolition for new switchgear room is complete, and the majority of cable tray within existing facility is complete.

Site civil work for new electrical duct banks and utility bridge is underway. Revised drawings for DTE required changes to the switchgear have been issued to the contractor with additional cost and schedule impacts to the contract to be determined.

CIP# 115005 (Contract No. 2103880) Water Works Park Ventilation System Improvements

Project Manager: Mike Dunne

The project goals are to increase air exchanges and improved distribution of fresh air in areas of the plant that are susceptible to an accumulation of off-gassing from treatment chemicals. To achieve these goals, the existing heating, ventilation, and air conditioning (HVAC) systems will be demolished, and replacement and additional HVAC systems will be installed.

The new HVAC systems consist of gas fired makeup air units, exhaust fans, ductwork, natural gas piping, ventilation control panels, electrical power, ambient air monitors and associated appurtenances. Construction crews have placed and commissioned all HVAC units in the north chemical, flocculation/sedimentation, and ozone areas. In the south end of the plant, crews have erected scaffolding in the aluminum sulfate bulk storage room and the fluoride storage room. In those rooms, structural, electrical, mechanical and roofing modifications are being made to accommodate new HVAC units and ductwork. All new HVAC units are scheduled to be set by November 22, 2024, with startup and commissioning activities to follow.

WATER OPERATIONS AND FIELD SERVICES (continued)

CIP# 116005 (Contract No. 2101255) Belle Isle Seawall Rehabilitation

Project Manager: Mike Dunne

The scope of the Belle Isle Seawall Rehabilitation project is to correct excessive erosion at the tip of the southern dike of the Belle Isle Intake lagoon. The erosion has been caused by years of ice floes scouring the dike and recent high-water events. The repair work will require the installation of new steel sheet piling and a rip-rap stone covering to protect the earthen dike. All contract work has been completed and all deficiencies on the punch list have been addressed. The project is now entering the closeout phase.

CIP# 132016 (Contract No. 2004674) North Service Center Pumping Station Improvements

Project Manager: Tim Kuhns

Conceptual design for the project has been completed. Project will include rehabilitation of the existing station as Phase 1 of the project with Phase 2 of the project to include new reservoirs and reservoir pump house. The design phase for the replacement of line pumps and switchgear has commenced. 30 percent design of this project will be delivered to GLWA in late fall of 2024.

CIP# 114017 (Contract No. 2201255) Springwells Flocculator Improvements

Project Manager: Pete Bommarito

This project replaces the existing horizontal paddle wheel flocculators in the four treatment trains of the 1958 treatment plant and adds continuous turbidity monitoring of its settled water. Flocculators are currently being manufactured for delivery with installation scheduled in Basins 5 and 6 beginning in the fall of 2024.

CIP# 116002 (Contract No. DB-150) Raw Water Tunnel Rehabilitation

Project Manager: Pete Bommarito

Project is in construction phase. Work within the Pennsylvania Tunnel and Northeast Tunnel is complete. Work within the Springwells Raw Water Tunnel has also been completed for this low demand season. The contractor, Ballard Marine Construction has successfully removed the Ballard Underwater Ring Transporter from the Springwells tunnel and temporarily closed off the access shafts for the high demand season. The contractor will return next low demand season (October through April) to continue installation of the stainless-steel rings.

CIP# 115001 (Contract No. 2000610) Water Works Park Yard Piping Replacement and Water Production Flow Metering

Project Manager: Mike Garrett

Project is in construction phase. Project involves complete replacement of yard piping, valves, and venturi meters for the piping system on the discharge of the Water Works Park High Lift Station. The eastern yard piping is completed and venturi meters 5 and 6 have been tested and put into service. The western yard piping is currently under construction and will be completed in summer of 2025. Construction of valve vaults and venturi meter vaults continues at pace in the western yard.

WATER OPERATIONS AND FIELD SERVICES (continued)

CIP# 122019 (Contract No. 2204376) Jefferson Main Replacement

Project Manager: Tim Kuhns

Project is at 90% design phase. Project involves use of 42-inch, high-density polyethylene fit slip-line approximately three miles of vintage 1915 cast iron 48-inch piping along Jefferson between the Water Works Park Water Treatment Plant and Rivard Street just east of downtown Detroit. The Act 399 permit is pending with the State of Michigan. Prior to commencing construction, the City of Detroit has to complete a 16-inch set of parallel mains from Water Works Park to Rivard. Construction for this project will not commence until FY2028.

CIP# 132015 (Contract No. 1901767) Newburgh Booster Pumping Station Improvements

Project Manager: Jorge Nicolas

Project re-started design phase after a long pause due to finding the right site to build the new station, GLWA Budget re-alignment and GLWA needs re-assessment. Contract Amendment is complete, and design is in progress.

CIP# 113009 (Contract No. 2300730) Southwest Chain and Flight Upgrades

Project Manager: Vittoria Hogue

Project involves removing and replacing flight and chain equipment in three of the four sedimentations basins at Southwest Water Treatment Plant. Equipment will be removed in basin 1A and removed and replaced in basins 1B and 2A. Project mobilized on March 4, 2024. The first basin, Basin 1B, has been completed and turned over to Southwest plant staff. Project is in a delay period, waiting on the sludge contract to be able to finish their work at Northeast Water Treatment Plant and begin work removing sludge from the remaining basins to be worked on at Southwest Water Treatment Plant. GLWA and Colasanti are in negotiations regarding a delay claim.

CIP# 122016 (Contract No. 1803942) Downriver Transmission Main Loop

Project Manager: Vittoria Hogue

Phase 1 of the project is at 90% Design, Phases 2 and 3 are at 60% design. Project involves installation of looped and redundant mains in the downriver area along Inkster Road and Allen Road to maintain service in the event of a break along the existing mains. Phase 1 involves the installation of a transmission main along Inkster Road.

It was decided in the beginning of March to increase the size of the main from 30-inches to 42-inches to maintain minimum contract pressures. The original design intent was to prevent boil water advisories in the event of a main break. Due to limited CIP funds and the increase in estimated cost of Phase 1 of the job, the project has been descoped to design and construction oversight of Phase 1 – Inkster Road transmission main, demolition of electric avenue reservoirs, and upgrades to the Trenton meter pits. Task Adjustment has been executed and WSP Engineering is working on finalizing the 90% design.

WATER OPERATIONS AND FIELD SERVICES (continued)

CIP# 132007 (Contract No. 1900516) Imlay Station Pumping Improvements

Project Manager: Vittoria Hogue

Project involved right sizing pump 3 at Imlay Pump Station to service the communities west of the station. All equipment has been installed. Upon further investigation a discussion after the remote testing and the 30-day acceptance test was unsuccessful, it was discovered that Flint uses significantly less now than in 2019, when the project was designed. The pump as is, currently cannot supply below 10 million gallons a day (MGD) and Flint's current daily range of flows is 7 MGD – 14 MGD. Contractor is planning to perform additional vibration testing on the pumps at the low flow range to determine acceptability.

CIP# 132010 (Contract No. 1803312) West Service Center Pumping Station – Reservoir, Reservoir Pumping, and Division Valve Upgrades

Project Manager: Michael Garrett

Project is in construction phase. Project involves new reservoir pumping facility as well as new reservoirs and improvements to various existing yard valves. Construction is nearing completion. Startup and training have begun. Testing of new facilities and equipment began in March 2024 in which testing was completed successfully and was turned over to Systems Control Center for operational control. Demolition of existing reservoirs expected to begin after a 30-day test. Substantial completion scheduled for September 2024. Final Completion scheduled December 30, 2024. Site acceptance test for Ovation was completed, project will be moving into 30-day test this month. The cut and cap procedures for the reservoir had to be placed on hold until after peak season.

Contract No. 2303227 Task Order Engineering Services Contract Task T2-13

Project Manager: Jorge Nicolas

Arcadis is assigned to prepare technical specs for Division 26 (Electrical) and Division 40 (Process Integration). Work is ongoing. Burn & McDonell is assigned to assist in Ovation related reviews. Work is on-going.

SYSTEM RESILIENCY

The Office of System Resiliency (OSR) creates, manages and implements initiatives that increase GLWA's capacity to prevent unplanned disruptions, and to recover and learn from them when they do occur. The office has three Directors focused on Systems, Operations, and Energy.

Energy Management

OSR Energy is working with Wastewater Engineering to pilot an online, real-time pump efficiency digital twin for the intermediate lift station. A similar system is up and running on the water side at the Adams Road Booster Pump Station. This represents the first GLWA application of the tool for a wastewater installation.

SYSTEM RESILIENCY (continued)

The tool collects a variety of process information including flows, levels, energy usage, pressures, along with manufacturer's pump curves to determine the efficiency of each pump's performance and allow for the assessment of energy efficient pump operations to reduce our overall energy usage while maintaining the same level of service for the installation. These pilot studies are being used to benchmark internal and external methods to evaluate pump and energy performance for potential inclusion at other, mission critical, GLWA installations.

Knowledge Capture

Two additional videos focusing on wet weather management have finished final production and are available on the "Resiliency" page of the One Water Connect internal website.

The podcast series, "Pod Sustain GLWA" with members of the Water Transmission and System Control Center groups continue to meet on a bi-weekly basis to further promote discussions and knowledge transfer. These podcasts are also available to all GLWA staff through the "Resiliency" page of One Water Connect.

Flood Resiliency

GLWA and the US Army Corps of Engineers (USACE) continued follow-up from the three-day planning charrette that kicked off the Southeast Michigan Flood Resiliency General Investigation study.



The public signing ceremony (shown above) was conducted September 30th at the Conner Creek CSO Control Facility. Planning, Public Affairs, and Member Outreach are supporting Resiliency and U.S. Army Corp of Engineers (USACE) to ensure all interested parties participate in this important study.

SYSTEM RESILIENCY (continued)

In addition, GLWA participated in the USACE all-day vertical Project Delivery Team charrette on October 10th. This internal review of the project's scope of work brings together national experts within the USACE to review and aid in developing a robust technical work plan for the study.

Resiliency Summit

OSR continued to collaborate with several University of Michigan offices to design and deliver an educational summit on power and water resiliency in the utility space. The effort is solidifying with participation from DTE, Consumers Power, and ITC. The tentative dates have moved to mid-February, 2025, at U of M's Ann Arbor North Campus. Stay tuned for more details as we endeavor to improve resiliency at the power-water nexus from applied and academic perspectives.

INFORMATION TECHNOLOGY

IT Security

In the past month, the IT Security team has proactively blocked or thwarted 45,660 spam messages, 6,768 spoofed messages and 42 viruses. Additionally, 10,424 phishing attempts have been caught and 9,249 malware attempts have been blocked.

IT Business Productivity Systems

The IT Business Productivity Systems team continues to stabilize the Workday implementation post Financial go-live that occurred on July 1. This includes supporting the Financial Services Area with Business Asset attachment data migration, payment acknowledgement and bank statement reconciliation integrations, Adaptive Planning implementation to support the FY2026 budget process, and Workday 2024 Release 2 planning and support. Workday Financial system quarterly user access reviews and monthly governance meetings have been established.

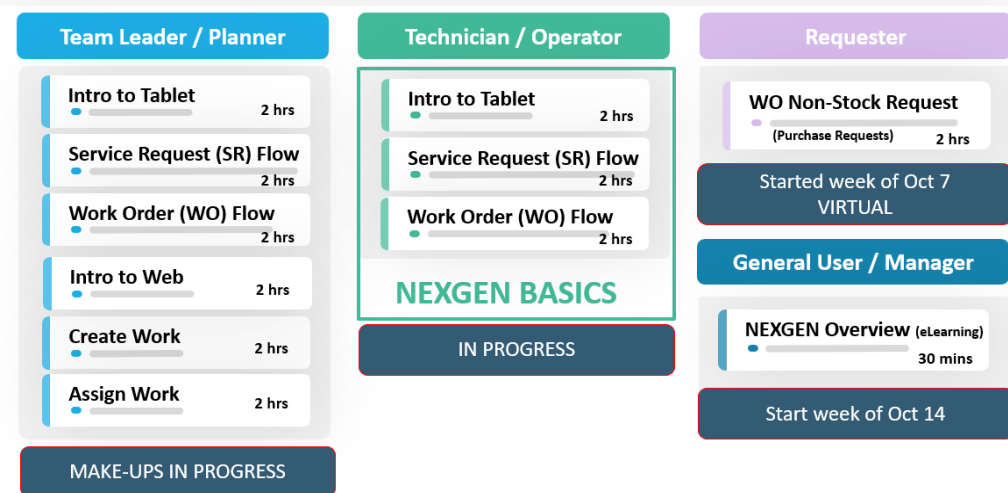
INFORMATION TECHNOLOGY (continued)

IT Enterprise Asset Management Systems

The IT Enterprise Asset Management Systems Team along with our consultant partner, NEXGEN, and GLWA's Enterprise Asset Management Group is focused on completing the team member training of NEXGEN's go-live training program (refer to figure below). In September, the majority of Team Leader / Planner and Logistics & Materials training was successfully completed. The team continues to collaborate on delivering both tablet and web workflows on how to successfully use the configured NEXGEN system ahead of the November 4 go-live. Refresher training will be provided in October for those who received training earlier on and those who request it prior to go-live.



GLWA NEXGEN COURSE CONTENT FOR GO-LIVE



The go-live cutover, post-go live support, and training plan are ready to go and are being communicated to provide robust assistance during a 6-month post-go live stabilization period.

INFORMATION TECHNOLOGY (continued)

The NEXGEN Cross Functional project team met one final time on Tuesday, October 8th to prepare for go-live and celebrate all the efforts during this three-year system implementation. The team was reminded to complete training and communicate cutover plans prior to go-live. In addition, the Cross Functional team was encouraged to keep moving forward after go-live by helping others use NEXGEN, keeping up work order completion and data quality accuracy, and remaining positive through the wide-spread change involved in a major transition like this.



IT Project Management Office (PMO)

Currently, the IT PMO is managing 19 active projects and is processing eight project requests. The PMO is also assisting with 23 initiatives.

PUBLIC AFFAIRS

Public Announcement of Regional Flood Mitigation Study

GLWA recently held a well-attended press event/signing ceremony at our Conner Creek CSO facility to formally announce GLWA's partnerships with the U.S. Army Corps of Engineers (USACE) on a regional flood mitigation study. We were joined at the event by a cross-section of state and federal elected officials, including U.S. Representatives Rashida Tlaib and Debbie Dingell, who brought remarks. Excellent press coverage resulted from the event, including interviews with CEO Sue Coffey on WDET-FM, WWJ, WJR, WXYZ, FOX2 and WWJ-TV.



PUBLIC AFFAIRS (continued)

Public Affairs also produced a new One Water News Drop video on the event. You can watch the video by clicking [HERE](#).

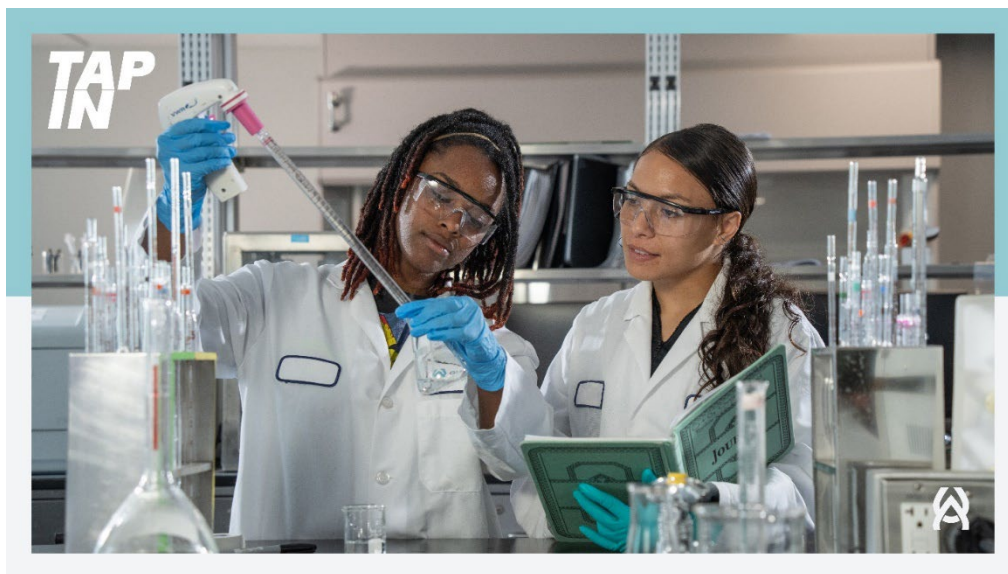
Corrosion Control Changes Public Outreach

In advance of GLWA's changes to its corrosion control strategy, Public Affairs held a virtual media briefing with CEO Sue Coffey and COO-Water and Field Services Cheryl Porter to detail for the media, the plan and any impacts on the public. Coverage included both print and broadcast articles. In conjunction with the media event, a news release and FAQ was also distributed, and a dedicated corrosion control page was created on GLWA's public website.

TAP IN 2.0 Recruitment Campaign Update

After one month of deployment, our TAP IN 2.0 recruitment campaign continues to make a splash. With advertising running on broadcast, streaming radio, and movie theatres, among other digital mediums, initial analytics have proven the campaign's early success. Current data confirms over 350,000+ trackable impressions, 145,000+ video views, and 3,900+ leads to the GLWA careers website from campaign content. The next phase will usher in new video spots and the further distribution of print materials.

To view the new commercial, click [HERE](#).



PUBLIC AFFAIRS (continued)

Friends of the Detroit River Water Festival

GLWA was a proud to once again be a sponsor of the annual Friends of the Detroit River Water Festival, a two-day educational festival on Belle Isle celebrating all things Detroit River. The festival hosted over 600 students from area schools to learn about canoeing techniques, plastic pollution, bird migration, soil erosion, and more.



Students attending the Friends of the Detroit River Water Festival learning how to be stewards of the Detroit River.

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 282 hours of training during the month and completed 339 total training hours for the Security and Integrity group for the month of September.

The Emergency Preparedness Unit met with the Emergency Managers from Canton Township, Dearborn and Livonia at Water Works Park (WWP) and discussed GLWA's emergency response to hazards.

Security and Integrity continued the “Run, Hide, Fight” active shooter training for all GLWA team members.

Lastly, Security and Integrity designed and scheduled an all-hazard tabletop exercise for October 30 at WWP.

ORGANIZATIONAL DEVELOPMENT

Performance Team

Professional Development Certification Program

The Professional Development Certification Program launched on September 30, 2024. The program provides an annual stipend for Team Members in designated job classifications who hold Michigan Department of Environment, Great Lakes, and Energy (EGLE) required certifications.

ORGANIZATIONAL DEVELOPMENT (continued)

Apprenticeships

Apprentices received a four percent (4%) market adjustment effective September 16, 2024.

Six new apprentices were onboarded:

- Five (5) Water Technicians (WT-A)
- One (1) Electrical Instrumentation Control Technician I (EICT-IA)

Current GLWA Apprentices:

Apprenticeship Program	Count of Team Members
Electrical Instrumentation Control Technician (EA)	16
Electrical Instrumentation Control Technician (IA)	11
Maintenance Technician-A	1
Water Technician-A	17
Grand Total	45

Outreach Initiatives and Events:

- Intern Mixer, Oakland Community College: The event offered an opportunity to meet with students seeking internships and highlight GLWA careers.
- Apprenticeship Accelerator: The Performance Team attended the Apprenticeship Accelerator at Oakland Community College. The team learned about new training programs and received US Department of Labor apprenticeship updates.
- Patricia Butler, Adino May, and Alicia Parker attended the Detroit Society of Human Resource Management (DSHRM) Conference on September 12, 2024, held at the Westin Hotel in Southfield, MI. The conference provided networking and updates on employee benefits, performance management, and labor laws.
- Patricia Butler and Adino May attended the Talent Pipeline Management (TPM) Conference held at the US Chamber of Commerce in Washington, DC. At the TPM Conference, TPM celebrated 10 years of the award-winning Talent Pipeline Management initiatives. The National Learning Network members gathered to share best practices, stories of success, and how this framework has impacted organizations' work and communities. Key takeaways included:
 - The importance of data-driven decision-making to drive talent pipeline performance,
 - Upskilling and reskilling are the keys for growing talent pipelines; and
 - Community collaboration is essential to addressing workforce challenges.

ORGANIZATIONAL DEVELOPMENT (continued)

Benefits and Wellness

Team Member Engagement – Benefits, Well-being, and Resiliency

Physical Well-being

GLWA Women's Health Initiative



The GLWA Women's Health Initiative quarterly event was held at the Wayne County Community College District (WCCCD) Curtis L. Ivery Health and Wellness Education Center (HWEC), on September 13, 2024. Candice Hobson and Tamara Taylor served as Master of Ceremonies for the event with 31 GLWA team members in attendance to promote breast cancer awareness.

Team members enjoyed a breakfast and informative presentations from Lauren Thormeier, Account Manager, Ulliance Life Advisor – *"You are the Key to Your Success: The Power of Resiliency"*, Debbie Frazier, Public Affairs *"Supporting Survivors and Caregiving, Pink Out the Plant"*, Yolanda Rushing – *"Self-care in Action: Have you tried?"*, and Benefits overview by Cynthia Offutt.



ORGANIZATIONAL DEVELOPMENT (continued)

Blue Cross Blue Shield of Michigan (BCBSM) Virtual Well-Being Webinars



Held Thursdays at noon, the September Virtual Well-Being Webinars facilitated by the BCBSM well-being team challenged team members to:

- Find awe in the everyday,
- Explore individual and group friendships,
- Test their well-being knowledge and
- Equip themselves with suicide awareness resources

September webinars comprised subjects on:

- “The Science Around Finding Awe in the Everyday”
- “Surviving My Mental Health Journey “
- “Individual or Group Friendships – Which is Right for You?”
- 2024 Virtual Well-Being Topic Trivia

Mental Well-Being

Wellness Wednesday Meditations

Held Wednesdays at noon, GLWA team members participated in September meditations led by the BCBSM well-being team. Each session focused on providing GLWA team members resources to relax the body, let go of stress, and make healthier habits. September topics included: Mindful Breathing, Calm, Reflecting on Small Wins with Healthy Habits, and Compassion.



Financial Well-Being

Retirement Planning Lunch & Learn

All GLWA team members were able to meet with MissionSquare retirement plan specialists virtually September 16, 2024.



The Southwest Water Plant hosted the MissionSquare Retirement Education on-site lunch and learn seminar with GLWA team members on September 17, 2024. Team members were able to review their retirement goals and portfolio performance during one-on-one consultations for both dates.

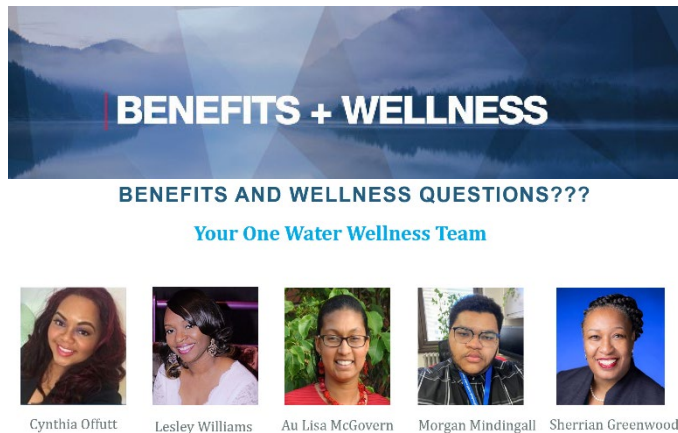
ORGANIZATIONAL DEVELOPMENT (continued)

Benefit and Wellness Education

One Water Wellness Office Hours

The One Water Wellness Team hosted weekly on-site office hours during the month of September at:

- Central Services Facility
- Water Works Park
- Water Resource Recovery Facility
- Lake Huron Water Plant
- Northeast Water Plant
- Southwest Water Plant
- Springwells Water Plant



There were **300** GLWA team members were able to meet one-on-one for assistance with benefits, retirement, FMLA, and wellness resources.

Training

During September, **79** instructor-led training courses were delivered to **497** GLWA team members totaling **232** instructor-led training hours. In addition, **56** online-self-paced training courses (e.g., KnowBe4) were completed totaling **66.5** self-paced training hours. Also, **11** GLWA team members completed **26,360** Water online courses.

Talent Management

Staffing

The table below provides a breakdown of GLWA Team Members since the last CEO report:

Number of New Hires	27
Number of Separations	9
Total Staffing – Regular FTEs (YTD)	1063
Total Staffing – Part-Time (YTD)	16

FINANCIAL SERVICES AREA

September 2024 Audit Committee Recap

The September 2024 regular monthly Audit Committee meeting was held on Friday, September 27, 2024. The GLWA Audit Committee binders are publicly available at www.glwater.org/financials/. The meeting included the following topics:

- ✓ Audit Committee recommendation that the Board authorize an updated resolution identifying designated authorized representatives for Clean Water State Revolving and Drinking Water State Revolving Funds
- ✓ Monthly Affordability & Assistance Update
- ✓ Annual Report on Water System Max Day
- ✓ Monthly updates on the Gifts, Grants & Other Resources activities
- ✓ Circulation of the latest Procurement Pipeline

Michigan Government Finance Officers Association (MGFOA) – Fall Institute

Finance team members across GLWA took part at this year's Michigan Government Finance Officers Association (MGFOA) Fall Institute from September 30 through October 2 in Frankenmuth, Michigan. The MGFOA promotes excellence in government finance through training, resources and networking opportunities. This year's Fall Institute included federal, state and local legislative updates, a cybersecurity panel, a discussion regarding upcoming Governmental Accounting Standard Board (GASB) changes, as well as a presentation by the State Auditor General.



Pictured Left to Right: Kim Garland, Gerri Williams, Michael Stark, Kathy Smith-Roy, Heather Badrak and Michelle Wong

Affordability & Assistance Update

On September 19, 2024, Nicolette Bateson, Chief Financial Officer and Treasurer, and Haran Stanley presented an update on the Water Resource Assistance Program (WRAP) at the GLWA One Water Partnership meeting at the request of our Member Partners. Key topics that were covered included how WRAP funding is calculated, allocated, and spent. The team was able to highlight the encouraging news that each of our WRAP services had achieved a high utilization of its allocated funds for the fiscal year 2024 which included numbers for the City of Detroit's Lifeline program.

FINANCIAL SERVICES AREA (continued)

- Area 1 – City of Detroit - 100% utilization of WRAP allocated funds (\$3.3 Million)
- Area 2 – City of Flint - 100% utilization of WRAP allocated funds (\$26k)
- Area 3 – Wayne County (not including the City of Detroit, Washtenaw, and Monroe Counties) – 100% utilization of WRAP allocated funds (\$1.3m)
- Area 4 – Oakland County – 95% utilization of WRAP allocated funds (\$1.08m)
- Area 5 – Macomb, Lapeer and St. Clair County - 100% utilization of WRAP allocated funds (\$818k)

WRAP materials, including information on our WRAP service delivery partners, flyers (in four different languages), frequently asked questions, and reports, can be found at glwater.org/assistance.

Procurement Update

Last month, GLWA hosted its 2024 Vendor Outreach Event at the Auburn Hills Marriot in Pontiac. Over 225 GLWA Vendors attended the event, which was staffed by over 75 GLWA Team Members and provided an opportunity to engage with our vendor community.

Vendors attended a general session featuring members of the GLWA Leadership Team, including Suzanne Coffey (Chief Executive Officer), Nicolette Bateson (Chief Financial Officer and Treasurer), David W. Jones (General Counsel), and Sonya Collins (Procurement Director). After opening remarks by GLWA Leadership, a panel discussion titled “How We Select our Subcontractors” featured five GLWA prime contractors. This panel provided small business vendors with vital information on how to become subcontractors for firms that regularly do business with GLWA.



GLWA Prime Contractors Panelists from the Vendor Outreach Event. Pictured Left to Right: Matt Glaz, Commercial Contracting Corp., Gino D'Agostini, Ric-Man Construction, Thomas Hardiman Sr., LGC Global, Colt Odeh, Clark Construction, and Todd Schurig, Kokosing Industrial Inc.

The General Session was followed by two breakout sessions. The first of which featured GLWA's Capital Improvement Plan (CIP) Project Management Plan rollout as well as project delivery schedules while the second featured a panel discussion on how to successfully respond to GLWA requests for bid or proposal. A presentation on GLWA's Vendor Performance Assessment Program was also included.

FINANCIAL SERVICES AREA (continued)

Participating vendors also had the opportunity to visit the GLWA Resource Tables throughout the event where they could speak one-on-one with representatives of the Detroit Water and Sewerage Department, GLWA Procurement, Accounts Payable, Business Inclusion & Diversity, and Organizational Development, among others.

GLWA values our relationship with the Vendor Community and this event was a great opportunity to connect in person, to share new information about GLWA, and to hear and respond to the Vendor Community's most important questions. Thank you again to all who attended, and we look forward to seeing you next year!



GLWA team members gather for a quick photo at the Vendor Outreach Event in Pontiac, MI

The September 2024 Procurement Pipeline is attached. This edition includes valuable information about the launch of our new Vendor Performance Assessment (VPA) Program which is a scored survey that analyzes a vendor's performance throughout the execution of a contract. This program is designed to facilitate proactive communication between GLWA and our vendor partners in a consistent and collaborative manner. This month's Pipeline also includes a list of upcoming solicitations.

OFFICE OF THE GENERAL COUNSEL

New Cost Reimbursement Policy: The Office assisted in drafting a new "GLWA Policy and Procedure Regarding Cost Reimbursement to Member Partners for GLWA Critical Aid Request". The policy provides that (1) if a Member Partner alters its normal water operations in response to a GLWA request for critical aid during an emergency, (2) incurs and documents certain allowable costs directly related to providing the aid, and (3) follows the claim procedure established by the policy, GLWA will review and respond to the claim within the timing and guidelines set by the policy. Claims may be paid in full, paid in part, or rejected. Any payment on a claim will be made as a credit on the Member Partner's wholesale water account after the Member Partner executes a claim settlement and release agreement.

Legislative Updates: The Office is monitoring infrastructure spending bills at the federal and state level, supporting the activities regarding proposed water affordability legislation, working with others to develop state stormwater utility legislation, and continuing discussions with members of the U.S. Congress, staffers, and various representatives of several regulatory agencies such as the EPA, to discuss various GLWA projects and capital improvement plans.

OFFICE OF THE GENERAL COUNSEL (continued)

Gordie Howe International Bridge: GLWA filed a notice of claim with the Court of Claims related to its relocation claim. Discovery continues in this matter and witnesses are being interviewed. The Court entered a Stipulated Scheduling Order on August 21, 2024. Parties Disclosures shall be filed no later than September 16, 2024. Expert Witness Lists are due in October 2024 with Mediation scheduled for November 2024.

June and July 2021 Rain Events: The Office is providing legal support in response to the significant rain events in June and July 2021. Recently, the trial court dismissed most of the lawsuits against GLWA based on governmental immunity. The Plaintiffs are appealing the decision. The Court recently dismissed an additional lawsuit related to the July 2021 storm event. The Plaintiffs are also appealing the decision. There were no new lawsuits received by GLWA this month regarding 2021 rain events.

Negotiations with the City of Dearborn: Meetings have been tentatively scheduled for November 6, 2024, with the City of Dearborn regarding terms of a Water Service Contract. Dearborn's City Attorney provided Dearborn's edits to the proposed contract. GLWA will meet and confer and respond accordingly.

Highland Park Settlement Agreement: On February 14, 2024, the GLWA Board voted to approve of the settlement agreement in final (or next to final) form. On March 18, 2024, the Highland Park City Council unanimously approved the Settlement Agreement between GLWA and the City. When the Settlement Agreement is fully executed, the trust incorporated as a part of the Settlement Agreement is funded, and initial distributions from the trust are received, the Highland Park litigation will be closed. The trust has been funded and the initial distributions from the trust have been received. On June 10, 2024, the following Stipulated Orders were submitted to the Court: a stipulated order to dismiss the 2014 case; a stipulation for dismissal of the 2023 appeal from the 2014 case; a stipulated order for dismissal of the 2020 case; and a stipulated order for release of the cash bond to GLWA in the federal case. As of this reporting, all Stipulated Orders have been entered by the courts, and the cash bond in the federal case has been returned to GLWA.

Mays, et al v GLWA: The Court recently entered an order partially granting GLWA's Motion for Summary Disposition and partially dismissing Plaintiffs' claims.

Trenton Water Main: The Office is negotiating the transfer of the 24-inch water main to GLWA.

Contract Negotiations: The Office is negotiating 30-year wastewater disposal services contracts with sewer member partners that do not have a model contract.

OFFICE OF THE GENERAL COUNSEL (continued)

Environmental and Workplace Safety Compliance: The Office continues to work with the COO and team leaders from both the water and sewer systems to comply with regulations and to respond to any alleged violations. As part of this collaboration, Office of the General Counsel (OGC) attends the GLWA/DWSD/EGLE monthly Compliance calls. Additionally, Associate General Counsel, Lavonda Jackson, attended NACWA's Pretreatment Virtual Workshop.

Federal Grants and Contracts: The OGC has commenced a checklist of the necessary changes that GLWA must make to its policies, SOPs, and federal contract exhibits in compliance with the new Uniform Grants Guidance, which has become effective October 1, 2024. In addition, the OGC is collaborating with the GLWA grants team to obtain approval of the Department of Energy (DOE) Hydrothermal Liquefaction Budget Period 2, Go/No-Go decision scheduled to be delivered on or after October 1, 2024.

Record Retention Policy: The Office has received approval for GLWA's record retention policy from the State and has finalized GLWA's Record Storage and Disposal Policy to work hand in hand with it. The OGC's office, has completed training for GLWA team members and the administration of the policies is now underway.

Industrial Pretreatment Program ("IPP"): The Office continues to provide assistance on PFAS and PFOS matters. The *2024 Updated IPP Rules* were submitted to the Board and GLWA will accept public comments until November 11, 2024.

Real Estate: The Office is working to secure licenses, easements, and acquire properties related to various water and sewer projects. Each real estate transaction will be presented to the Board for approval when they are fully negotiated.

Member Outreach: The Office continues to be an active participant in Member Outreach sessions. The OGC coordinated with GLWA Outreach to share the *2024 Updated IPP Rules* with all member partners, Significant Industrial User's and community groups.

Main Relocations: The Office continues to support water operations in its discussions with community stakeholders regarding water main relocations. The 96-inch relocation project has made substantial progress, including installation of a box culvert for Honeywell Ditch to increase conveyance capacity and roadway drainage with aggregate base for the South Dequindre segment. Ongoing construction activities include landscaping, roadway concrete, and asphalt paving to complete the South Dequindre segment. Stakeholder coordination continues with ITC, Sunoco, Utica Community Schools, Rochester Schools and others for the upcoming North Dequindre segment

OFFICE OF THE GENERAL COUNSEL (continued)

Civil Litigation and Arbitrations: The Office continues to vigorously defend actions against GLWA. In October 2023, the Board authorized settlements of key litigation including a class action lawsuit regarding IWC charges and the collection actions against Highland Park. The Office is working on implementing those resolutions.

Labor Relations: The Office continues to provide legal advice to Organizational Development on labor relations and employment matters.

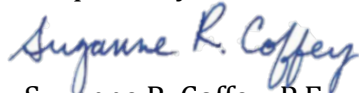
Procurement: The Office continues to assist GLWA's Procurement Team negotiate contracts, change orders and amendments, and interpret contractual provisions. The Office is also assisting with the Procurement Policy's Procedures and updating GLWA's template contracts.

The Office is part of a cross-functional team working to complete significant revisions to the GLWA construction contract, including consideration of using an entirely new contract format. The Office continues to provide advice on federal grant compliance.

Statistics:

	#
Contracts approved as to form:	68
Contracts drafted or revised:	32
Subpoenas/Information requests received:	8
Subpoenas/Information responded to:	9

Respectfully submitted,



Suzanne R. Coffey, P.E.
Chief Executive Officer

SRC/dlr

Attachment: Financial Report: May Executive Summary; September 2024 Procurement Pipeline

Key Financial Metrics

The table below provides key report highlights and flags the financial risk of a budget shortfall by year-end as follows: No Risk (green) - Potential (yellow) - Likely (red)

Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Staff reviews the need for budget amendments quarterly and requests necessary amendments when required based on the most current information available. Third quarter budget amendments were approved by the Board of Directors at the June 26, 2024 meeting and are reflected in this report.

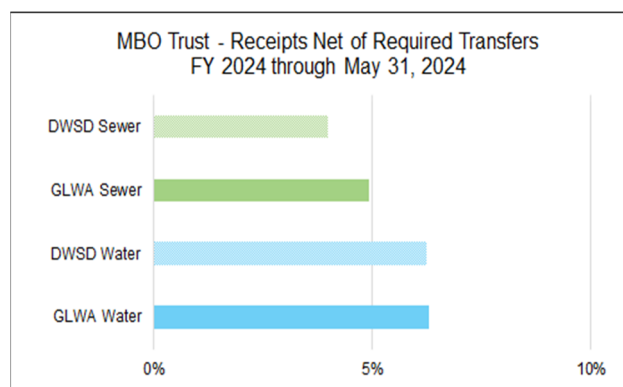
For the current year, water operations and maintenance, water and sewer capital spend, and investment earnings reflect variances to budget outside the normal range. Capital spend variances reflect evolving changes in timing that the Capital Improvement Planning group continues to monitor and review. Operations and maintenance and investment earnings activity is monitored closely and are under review for possible additional budget amendments.

A bond transaction was completed in December 2023 for \$148.5 million to support water system improvements and \$96.8 million to support sewage disposal system improvements.

As of May 31, 2024					
Metric	FY 2024 Budget	FY 2024 Amended Budget	FY 2024 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$314.5	\$307.5	\$309.1	1%	48
Wholesale Water Billed Usage (mcf)	12,116,000	11,450,000	11,577,000	1%	
Wholesale Sewer Billed Revenue (\$M)	\$258.4	\$258.4	\$258.4	0%	50
Wholesale Water Operations & Maintenance (\$M)	\$140.2	\$154.8	\$146.1	-6%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$188.5	\$206.1	\$201.5	-2%	
Investment Income (\$M)	\$14.1	\$42.7	\$54.3	27%	37
Water Prorated Capital Spend w/SRA* (\$M)	\$219.3	\$178.6	\$158.4	-11%	28
Sewer Prorated Capital Spend w/SRA* (\$M)	\$182.5	\$141.5	\$117.8	-17%	29

*SRA refers to the capital spending ratio assumption which allows capital program delivery realities to align with the financial plan.

Master Bond Ordinance (MBO) Trust Net Receipts (page 51)



2024.

Net cash flow receipts remain positive for GLWA Water and Sewer. This means that all legal commitments of the MBO Trust and the lease payment are fully funded – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water reports a surplus of \$7.1 million and DWSD Sewer reports a surplus of \$10.9 million of net receipts over disbursements through May

Budget to Actual Analysis (page 3)

- The FY 2024 information includes the third quarter FY 2024 budget amendments approved by the GLWA Board of Directors on June 26, 2024. These are the final budget amendments for FY 2024.
- The total Revenue Requirements are on target through May 2024.
- The total overall Operations & Maintenance expenses are at 88.3% of budget through May 2024. This positive variance equates to a dollar amount of \$13.3 million.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for May 2024 is \$82.8 million for the Water fund (25.0% of total revenues) and \$108.9 million for the Sewer fund (24.2 % of total revenues).
- Water Net Position increased by \$ 19.3 million, and Sewage Disposal Net Position increased by \$ 47.3 million for the year to date through May 2024.

Capital Improvement Plan Financial Summary (page 27)

- Water system costs incurred to date are below the 79.4% Capital Spend Ratio assumption.
- Sewer system costs incurred to date are below the 70.3% Capital Spend Ratio assumption.

Master Bond Ordinance Transfers (page 30)

- For May, transfers of \$17.3 million and \$18.8 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for May, transfers of \$5.6 million and \$6.9 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 37)

- Total cash & investments are \$650 million for Water and \$798 million in the Sewer fund.
- Total, combined, cumulative, FY 2024 investment income through May is \$54.3 million.

DWSD Retail Revenues, Receivables & Collections (page 41)

- Water revenue through May 31, 2024 is 104.10% and usage is 104.93% of budget.
- Sewer revenue through May 31, 2024 is 98.12% and usage is 101.54% of budget.
- Combined accounts receivable balances for the water and sewer funds report a decrease of \$13.4 million over the prior year.
- Past dues over 180 days make up of 68.8% the total accounts receivable balance. The current bad debt allowance covers over 98.6% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 47)

- GLWA accounts receivable past due balance net of Dearborn is 0.08% of the total accounts receivable balance. Discussions remain underway between GLWA and Dearborn regarding the water balance in dispute.
- Average wholesale water collections for the period of June 2023 through May 2024 are trending above the prior year.
- Average wholesale sewer collections for the period of June 2023 through May 2024 are trending above the prior year.

Questions? Contact the Office of the Chief Financial Officer at CFO@glwater.org.

Welcome to the September edition of *The Procurement Pipeline*, a monthly newsletter designed to provide updates on doing business with the Great Lakes Water Authority (GLWA).

New! Vendor Performance Assessment (VPA) Full Program Launch September 2024

GLWA is excited to announce the full launch of the Vendor Performance Assessment (VPA) Program in September 2024. A VPA is a scored survey that analyzes a vendor's performance throughout the execution of a contract. The outcome of the VPA is proactive communication between GLWA and its vendors in a consistent and collaborative manner.

A soft launch of the VPA Program began in October 2022 that allowed GLWA to begin internally collecting VPA data, training team members on the VPA Program, and refining the VPA process. With the expanded launch of the program in September 2024, GLWA will begin utilizing VPA scoring during the solicitation evaluation process to improve strategic sourcing decisions and to provide vendors with actionable opportunities for performance improvement on current and future GLWA projects. Key details about the VPA Program are included below.

- ✓ VPA data will be collected from GLWA Project Managers near contract conclusion for all contracts awarded over \$1 million as well as Job Order Contracts (JOCs) and Task Order Engineering Services (TOES) contracts awarded over \$300,000.
- ✓ VPA data is gathered from GLWA Team members using an online survey collection tool. One standard survey is used for all eligible contracts.
- ✓ All VPAs are independently validated by GLWA's Vendor Management Team before they are shared with Vendors.
- ✓ VPA scores will affect a Vendor's performance score for a period of one year after the contract

end-date. During this time, VPA data will be used during the solicitation evaluation process to provide important feedback to both GLWA and Vendors for future contract awards.

- ✓ Vendors with an aggregate VPA score above 70% will be deemed "responsible."
- ✓ Vendors with an aggregate score below 70% may submit a Preventative Action Plan (PAP) to maintain eligibility for future GLWA contracts.

Vendors interested to learn more will have an opportunity to attend an in-depth presentation on the VPA Program at GLWA's September 2024 Vendor Outreach Event (details below). In addition, information on the VPA Program, including a [VPA Process Overview](#), is available to review on the [GLWA Vendor Webpage](#). Vendors should also stay tuned to future editions of the *Pipeline* for information on training opportunities. Any questions regarding GLWA's VPA Program may be directed to GLWAVendorOutreach@glwater.org.

Reminder: Register Now for GLWA's 2024 Vendor Outreach Event

GLWA's 2024 in-person Vendor Outreach Event will be held at the Auburn Hills Marriott Pontiac in Pontiac, Michigan on September 26, 2024. The event will begin at 7:30 a.m. and conclude at 12:00 p.m. The full [event agenda](#) and [event registration](#) are available via the Whova application. We look forward to seeing you there!

What's Coming Down the Pipe?

Current Solicitations: Register in GLWA's [Bonfire Procurement Portal](#) for new solicitations and contract award information.

Upcoming Procurements: Next Three to Nine Months—See newsletter page 2.

Visit GLWA online!

To see the GLWA vendor homepage, please visit www.glwater.org or contact us via email at procurement@glwater.org.

Upcoming Solicitations September 2024

Category	CIP #	Description/Project Title	Budget Estimate
Water System (next four to nine months)			
Construction	111001	Lake Huron Water Treatment Plant – LH-401 Switchgear and	\$100,000,000
Construction	122016	Downriver Transmission Main Loop – Phase 1 – Inkster Rd	\$21,000,000
Wastewater Systems (next four to nine months)			
Construction	260510	CSO Outfall Rehabilitation Phase VI	\$10,000,000
Construction	260206	Rehabilitation of 7 Mile Sewer System	\$30,000,000
Construction	211005.2	WRRF Pump Station 2 VFD Replacements	\$12,000,000
Design	270007	CSO Facility Disinfection Improvements	\$2,000,000
Construction	270006	CSO Facility Improvements II	\$15,000,000
Construction	260904	Renovation of the New Administration Building 3 rd Floor	\$3,300,000
Water System (next three months)			
Professional Services	O&M	Above/Below Ground Fuel System Maintenance	\$900,000
Design	113010	Southwest WTP Flocculation Improvements	\$4,933,000
Construction (Design Build)	112008	Northeast WTP Filter Replacement	\$85,550,000
Wastewater (next three months)			
Design	270001	Pilot Netting and Disinfection Facilities at B03, B04, and B05	\$8,000,000
Design	270010	Puritan Fenkell and Seven Mile HVAC improvements	\$1,200,000
Construction	232002	Conner Creek Pump Station Improvements	\$36,000,000
Projects moved to Procurement Team (Preparing for solicitation on Bonfire)			
Construction (Design Build)	122004	96-Inch Water Transmission Main Relocation - Phase III	\$90,000,000
Construction (Design Build)	112008	Northeast WTP Filter Replacement	\$85,550,000
Professional Services	O&M	WRRF CSO and SPS Generator Preventative Maintenance	\$400,000
Professional Services	O&M	Lake Huron Water Treatment Plant Sludge Removal and Disposal	\$3,300,000
Professional Services	O&M	Emergency Standby Generator Preventative Maintenance	\$2,910,225
Construction	170306	Instrumentation and Control System Plant - wide SCADA	\$3,340,000
Professional Services	O&M	Staffing Services	\$750,000
Professional Services	O&M	Investment Services	\$2,200,000
Professional Services	O&M	Janitorial/Housekeeping Services	\$8,830,804
Professional Services	O&M	Floor Covering Supply and Installation Services	\$246,000
Professional Services	O&M	Boiler System Services	\$300,000
Professional Services	O&M	Furniture, Floor Planning and Space Design Services	\$975,000
Professional Services	O&M	Crane Rental and Maintenance	\$900,000
Professional Services	O&M	Southeast Michigan Flood Study	\$1,500,000
Professional Services	O&M	Pest Control and Extermination Services	\$370,000

Vendors should continue to monitor [Bonfire](#) for solicitation updates.

Acronyms		
WRRF: Water Resource Recovery Facility	CSO: Combined Sewer Overflow	WTP: Water Treatment Plant