



Office of the Chief Executive

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

December 19, 2024

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – December 19, 2024

Chairperson Baker and Directors,

As we wrap up our ninth year of operations at GLWA, our efforts continue to ensure that elected officials have a greater understanding of who GLWA is and the important role we play not only in southeast Michigan, but in the state.

In early December, Deputy CEO Bill Wolfson and I hosted Michigan State Representative Samantha Steckloff for a tour of our Water Works Park Water Treatment Plant led by Deputy Chief Operating Officer for Water and Field Services Terry Daniel and Water Operations Director Ron Hayes.

Rep. Steckloff, who represents the 37th congressional district and is a member of the State House Appropriations Committee, was very engaged and asked a host of good questions related to our treatment processes, our operations and funding needs.

We greatly appreciate the time our elected officials have taken throughout the course of the last year to visit our facilities, interact with our team members and gain important insights into the value we provide to the people and businesses of our region.

This week, we concluded our initial series of five public engagement workshops related to the Southeast Michigan Flood Mitigation Study we are conducting in partnership with the U.S. Army Corps of Engineers. The workshops were held in Wayne, Oakland and Macomb Counties, including Detroit and Grosse Pointe. Approximately 130 people attended to learn about the Army Corps' study process, the history of flooding in our region, and provide their experience with flooding, as well as give input on study priorities. The final proposed scope for the study needs to be completed by the Army Corp by mid-January 2025, and we will provide an update as soon as it is available.

As you know, Cheryl Porter our Chief Operating Officer-Water and Field Services is in the middle of her groundbreaking tenure as president of the American Water Works Association. While president, she's had a broad cross-section of very cool experiences. Most recently, she led a delegation from the AWWA to South Korea. The primary purpose for the visit was to interact with international water leaders at a conference on climate mitigation.

Cheryl gave introductory remarks at the conference, and participated in a roundtable discussing the impacts climate change is having on water utilities around the world. She also gave a presentation to a group of graduate students at Konkuk University on how GLWA is responding to the impacts of climate change by explaining how we are addressing our recent issue with the rise in Total Organic Carbon in source water. Cheryl also had the opportunity to visit two water treatment plants while in South Korea.

I am pleased to report that we have once again concluded our Professional Development Certification Program, where we provide an annual stipend to team members in certain classifications who attain Michigan Department of Environment, Great Lakes, and Energy (EGLE) certifications. This year, the stipend was awarded to 158 team members (including three apprentices), which is a two percent increase over last year.

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

First, you may have heard about the recent water main break that cut off water service to the residents of Harsen's Island. While it was not a GLWA water main, our Water Operations Team helped provide relief to those impacted by quickly mobilizing our three water trucks and over the course of two days distributed 8,000 gallons of water.

Kudos are due to Organizational Development's One Water Wellness Team, which was recently recognized by the National Association for Business Resources as a Best and Brightest in Wellness 2024 award recipient. This unique program highlights employers and wellness providers that promote a culture of wellness.

Finally, I am proud to share that the Public Affairs Team has been recognized with two national awards. We were recently notified that our TAP IN campaign was selected by the American Water Works Association to receive its prestigious Public Achievement in Communications Award, and we have once again been honored by the National Association of Clean Water Agencies with a National Environmental Achievement Awards in the Video Category for the "Freshwater to Drinking Water: A Splash Course in Water Treatment" public education video that was rolled out earlier this year.

As this is my last report for 2024, I want to wish you and your families Happy Holidays, and a new year filled with peace, love and happiness!

PLANNING SERVICES

Enterprise Asset Management Group (EAMG)

The EAMG, in partnership with GLWA's Information Technology team, has played a pivotal role in the preparation and successful go-live implementation of NEXGEN, GLWA's new computerized maintenance management system. Beyond auditing, tagging, updating, and adding data, the primary focus for all EAMG team members has been providing on-site support to team members across GLWA facilities during the critical weeks of deployment. This hands-on assistance has enabled directors, managers, and front-line team members to receive immediate, localized support, ensuring swift issue resolution and fostering a smooth transition to NEXGEN.



The impact of this direct engagement has been substantial. Team members' productivity and confidence have significantly increased, highlighting the value of EAMG's investment in personalized support - a contribution widely recognized and appreciated across the organization.

The work continues. EAMG remains focused on key tasks such as refining preventive maintenance templates, managing work orders, onboarding new assets, addressing data gaps, and delivering ongoing training. To further support GLWA team members, the EAMG is developing a post-deployment training program, including refresher courses, to ensure adherence to best practices and to maintain the data integrity essential for informed asset management decisions.

Capital Improvement Planning (CIP):

Throughout November, the CIP Group dedicated its efforts to refining and enhancing the FY 2026-2030 CIP Discussion Draft 2. Significant focus was placed on addressing internal feedback and integrating comments to ensure the document's accuracy and comprehensiveness. The designated comment period, which ended on November 8, 2024, yielded no additional feedback from member partner communities, underscoring continued alignment between the draft and community expectations.

To ensure the most current information, project updates related to schedules and budgets were included as of November 15, 2024. Project budgets within Discussion Draft 2 reflect actual financial data as of September 30, 2024. The CIP Group extends heartfelt gratitude to GLWA's Executive Leadership, CIP Delivery Teams, and all partners for their collaboration in advancing the CIP toward completion and publication.

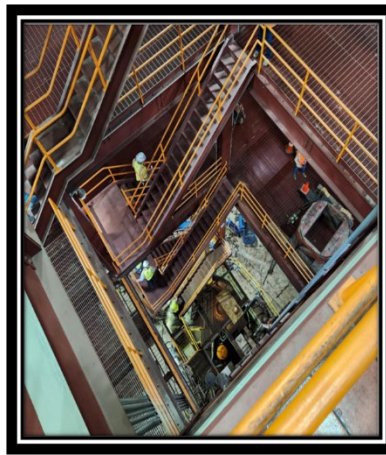
PLANNING SERVICES (continued)

In November, the CIP Group also celebrated the winners of the Fourth Annual CIP Plan Project Photo Contest. This year's submissions highlighted the team's remarkable work and creativity. Paul Ransom's striking photo of the Freud Pump Station Improvement Project and Erich Klun's exceptional image of the Northeast Water Treatment Plant Filtration Replacement Project were selected as winners. These photos will be featured on the cover of the FY 2026-2030 CIP Discussion Draft 2. Congratulations, Paul and Erich, and thank you for your outstanding contributions!



*Northeast Water Treatment Plant
Filtration Replacement*

*Project Winning Photo by Erich Klun of
Water Operating Services*



Freud Pump Station Improvement

*Project Winning Photo by Paul Ransom of
Wastewater Operating Services*

A significant milestone was achieved this month with the CIP Group's collaboration with the Information Technology Group, securing approval from GLWA's Operations and Resources Committee, and the Board of Directors allows us to proceed with establishing a contract for implementing Kahua as the Project Management Information System (PMIS). This marks a critical step forward in enhancing GLWA's CIP development, project management, and reporting capabilities. The CIP Group is eager to launch this initiative, which will strengthen efficiency, collaboration, accountability, and transparency in CIP project delivery.

Additionally, the CIP Group continued its recruitment efforts for the PMIS System Analyst role, conducting multiple interviews and carefully evaluating candidates. This key position will be instrumental in supporting the implementation and long-term success of the Kahua system.

PLANNING SERVICES (continued)

Member Services Group

The **Wastewater Analytics Task Force (WATF)** held its final meeting of 2024 at the University of Michigan Detroit Center on November 8th. The session began with a presentation by Eric Ellis of the U.S. Army Corps of Engineers (USACE) on the Southeast Michigan Flood Study. The study officially launched in September with a three-day Charrette, where representatives from GLWA, USACE, county and state agencies, and other utilities collaborated to shape the study's scope of work. The final report will recommend a comprehensive flood mitigation plan for Congressional review and potential funding.

Next, Rainesha Williams-Fox of GLWA provided an update on the ongoing work with the subcontractor, ASI, on CIP project CON-1803709. This three-year project encompasses regulator expansion, backwater gate additions, sewer profiling, repairs, rehabilitation, and annual dye testing.

Kevin Jankowski of GLWA followed with an overview of the flow balance process, introducing the new sewer metering team from Wade Trim. He also reported that the FY 2024 Flow Balance Report has been drafted and is currently undergoing internal review. The meeting concluded with a dynamic discussion on potential topics for the 2025 WATF meetings, highlighting the collaborative spirit of the group.



Members network between presentations at the November 8th

The FY 2026 **Charges Rollout #2** meeting was held virtually on November 12, 2024. Matt Lane, GLWA's Charges Outreach and Modeling Manager, opened the meeting with a presentation aimed at simplifying the connection between GLWA's units of service and the overall charges methodology. This "Charges 101" series is a new feature designed to provide context and understanding for key topics, and will continue throughout the two remaining FY 2026 rollout meetings.

Matt Lane also presented the FY 2026 Units of Service for both the water and wastewater systems. For water, lower projected sales revenue for FY 2026 is expected. For wastewater, there will be no changes to Sewer SHARES for FY 2026, with the next update scheduled for FY 2028.



The Core Charge Equation in its most simplified form takes each Tier-1 Member Partners individual Revenue Requirement and multiplies it by their Unit of Service or Sewer SHARE, to determine their Charges for the fiscal year.

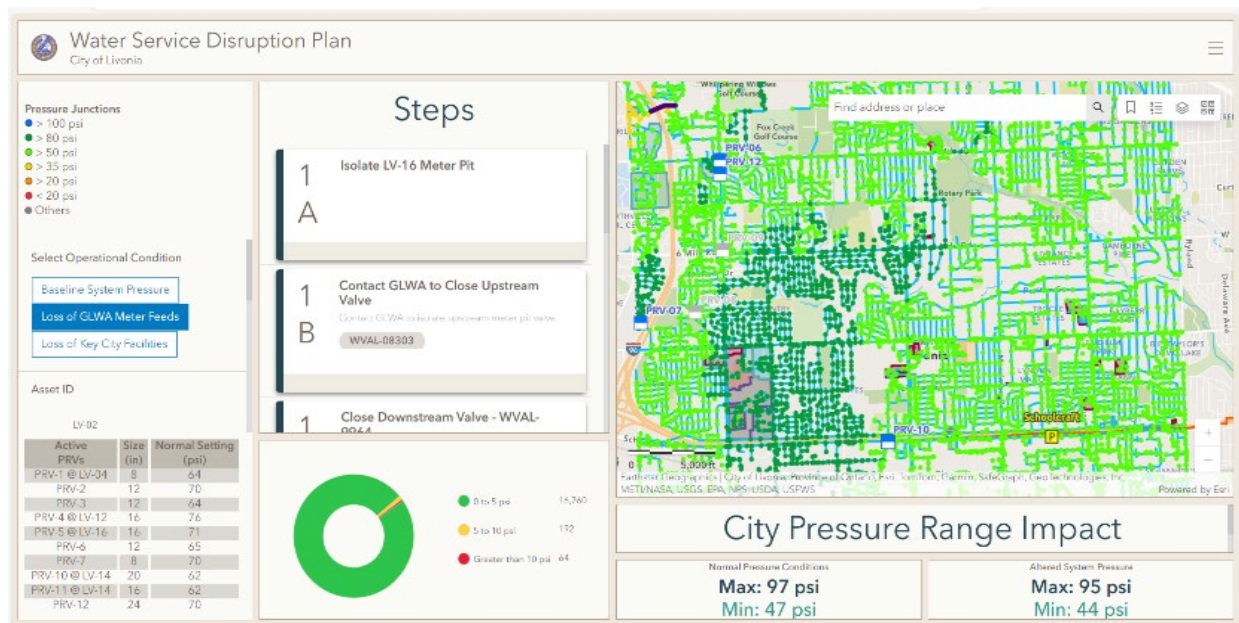
PLANNING SERVICES (continued)

Kevin Jankowski of GLWA followed with a detailed explanation of the wastewater flow balance process. He outlined how approximately 50 flow measurements and estimates are used to differentiate sanitary flows, wet weather flows, and dry weather inflow and infiltration flows, all critical to the flow balance calculation.

The meeting concluded with updates and announcements from Matt Lane, who introduced representatives from Wildan Financial Services, the newly selected charges consultant for GLWA. The next Charges Rollout meeting, focusing on proposed revenue requirements, is scheduled for January 9, 2025, via Zoom.

The **Water Management Best Practices (WMBP) Work Group** convened on November 20, 2024, at the Ypsilanti Community Utilities Authority (YCUA). Members explored One Water Institute course offerings and organizational needs, identifying potential gaps that could impact member partner participation.

Susan Knepper, a consultant with OHM Advisors representing the City of Livonia, showcased Livonia's Emergency Response Dashboard. Built using InfoWater, a hydraulic modeling software integrated with their Geographic Information System, the dashboard performs hydraulic analysis for various emergency scenarios. For a deeper dive into this innovative tool, Susan's discussion is featured on the [Water Talk podcast](#).



Livonia's Emergency Response Dashboard

PLANNING SERVICES (continued)

Luke Blackburn and Sean Knapp from YCUA provided an overview of YCUA's system and recent projects. YCUA's infrastructure includes six booster stations and six storage tanks, including the historic Stone Tower, in service since 1890 and featured on the web series [Built to Last](#). Recent initiatives include recoating the Shadford Tower with a zinc epoxy urethane system, replacing six miles of water main in collaboration with MDOT and other local agencies, and completing over 100 lead service line replacements. To date, more than 1,600 lead service lines have been identified.

The roundtable discussion focused on the critical importance of succession planning to develop talent and ensure the transfer of institutional knowledge from seasoned professionals. Members also reviewed the October 24, 2024, Emergency Response Incident Command System 100/200 Training Workshop and discussed goals for 2025.

A new subgroup has been established to develop a **Contract Max Day/Peak Hour Methodology** for the 2026 water contracts. This group, comprising representatives from Member Partners and GLWA, is analyzing the appropriate review period for evaluating maximum day and peak hour values used during the water contract reopener process. The 2022 contracts used a six-year review period, and as the group finalizes its recommended methodology, it will present the proposal to the Water Analytical Work Group for consensus.

Water Analytics, Planning & Metering (WAPM)

The WAPM group is pleased to announce a significant milestone in the ongoing collaboration with the City of Highland Park and its consultants regarding the water improvements necessary to comply with the Highland Park agreement. As part of the plan, Highland Park will establish three metered connections located at McNichols Road/Hamilton Avenue (HP-05), McNichols Road/John R Street (HP-06), and Hamilton Avenue/Webb Street (HP-07). Please refer to Figure 1 for a map displaying the meter locations.

Highland Park advertised the request for bids for the construction contract on November 19, 2024, with a pre-bid meeting held on December 2nd.

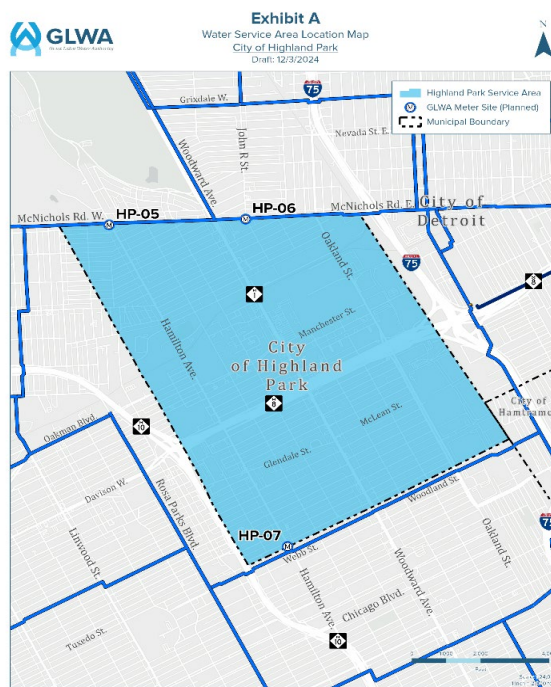


Figure 1: City of Highland Park – Water Meter Locations

PLANNING SERVICES (continued)

If all proceeds as planned, construction is anticipated to begin in February 2025.

WASTEWATER OPERATING SERVICES

Wastewater Operations

The Water Resource Recovery Facility (WRRF) operations complied with the Water Quality Standards and Air Quality Standards for the month of November with the exceptions listed below:

The total phosphorous for monitoring point 049A (Primary Effluent) monthly average was 1.9 milligrams per liter (mg/l), in excess of the limit of 1.5 (mg/l). November had only one wet weather event with a primary effluent (PE) discharge of approximately 8.5 hours duration, following an interval of over three weeks without any wet weather event resulting in a PE discharge. High effluent phosphorous results are typical for events under these circumstances.

Maintenance

Recent routine transformer oil tests results by transformer reliability vendor, SD Myers, showed excessive moisture readings in incoming Transformer A at the WRRF. Excessive moisture in transformer oil, can shorten the life of the transformer or lead to catastrophic failure if unaddressed. To remove the moisture, Team Leader *Ray Zdonkiewicz* utilized SD Myers to provide a moisture reduction pump and filter system for the transformer oil. The moisture concentration reading is provided at the moisture reduction pump and after nearly three months in service, the moisture level is showing consistent acceptable low readings. These routine oil samples of our equipment provide a very useful tool in diagnosing issues that could lead to equipment downtime and improve overall equipment reliability.



Team Leader Ray Zdonkiewicz is pictured above with the moisture reduction pump provided by SD Myers

WASTEWATER OPERATING SERVICES (continued)



The grounded insulating ring in Main Lift Pump 6 motor and an example of an ungrounded insulating ring shown in the left and right photos above

Recently, Main Lift Pump 6 failed to start in an over current condition. The Electrical Instrumentation Control Technician – Electricians (EICT-E) worked diligently with the Team Leaders to return the pump to service in time for the forecasted wet weather. This effort contributed to the WRRF's ability to remain in compliance with the National Pollutant Discharge Elimination System (NPDES) permit. The EICT-Es discovered that, due to a buildup of carbon dust over time, one of the insulating rings had completely grounded. The insulating ring was replaced, and the pump was retested. Future efforts to mitigate this

event in the future will be to schedule an annual deep cleaning of all Pump Station 1 Main Lift Pump motors. Great work by EICT-E *Stephen Shuk*, EICT-E *Frank Czyz*, EICT-E apprentice *Evan Thomas*, Team Leader *John Clark*, and Team Leader *Ray Zdonkiewicz* for quickly addressing and correcting this issue.

The Central Maintenance Team has been performing a safety audit of the grating, covers, and removable floorplates around the WRRF to address any problems in disrepair and refabricating and replacing them as necessary. Safety grating and covers in disrepair contribute to trip and fall hazards and present a hazardous condition to team members and contractors on-site if allowed to worsen in condition. This shows a large commitment to the risk mitigation on WRRF's grounds and the safety of all team members and contractors on-site.



A section of removable floorplates replaced by the Central Maintenance Team to mitigate a fall hazard into a stop log channel

Laboratory

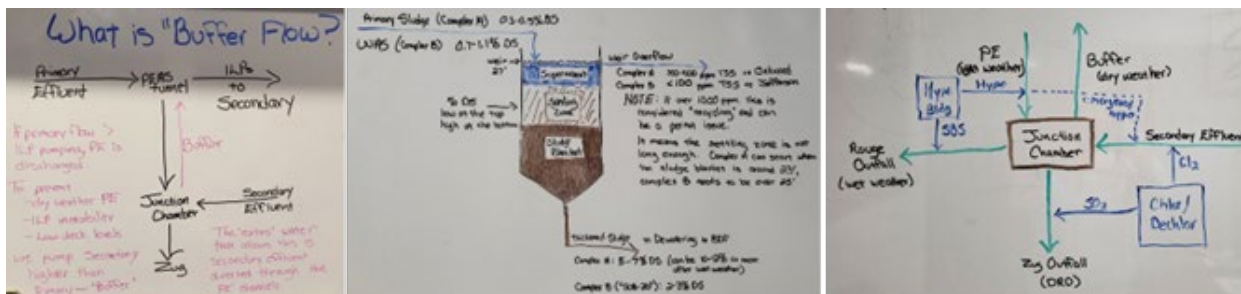


The Lab team attended the Michigan Water Environment Association (MWEA) Lab Practices Seminar (LPC) in Lansing last month. The topics included Biochemical Oxygen Demand analysis, Laboratory Standard Operating Procedure writing, Lab Inspections and other topics. The team returned with ideas and improvement opportunities.

Pictured left, the WRRF Laboratory Team at the MWEA LPC Seminar. Left to right: Chemists Natalia Chevtchenko and Dan Agnew, Team Leader Beatrice Wanji, Management Professional Lynda Kostrzewski, and Chemist Hainite Tuitupou.

WASTEWATER OPERATING SERVICES (continued)

To improve communications, a large whiteboard has been installed. A smaller one remaining is now being utilized as a training tool by our Water Quality Management Professional, *Cathy Willey*. She uses her artistic talents and extensive knowledge to provide the WRRF process information to the team while switching up topics regularly as illustrated below.



Whiteboard process information completed by Cathy Willey

Operational Technology (OT)/Process Automation & Control System Team (PACS)

The OT Team plans to conduct a control system assessment at each of the GLWA sanitary pump stations, wastewater conveyance remote sites, and CSO (combined sewer overflow) facilities. The assessments consist of physical inspection of each controls equipment cabinet and network rack managed by the OT team, including an equipment inventory and verification of physical security.

This month, the team completed the first phase, visiting all sanitary pump stations and CSO facilities. In the coming weeks, the OT team will begin assessment of all remote site controls equipment cabinets.

The OT team performed software updates on all process controllers and controls workstations at the WRRF. The team loaded software patches and upgrades onto 28 controller pairs and 73 engineering, supervisory, and operator workstations during a weeklong campaign.

The team worked closely with the WRRF operations, management, and staff to ensure minimal disruption to operations activities during the upgrades, and to verify full controls functionality upon completion.

The OT/PACS team successfully conducted hardware factory acceptance testing for the Baby Creek Sampling Building Controls System Upgrade project. The Baby Creek Sampling Building will undergo an upgrade in December 2024 featuring significant improvements to the instrumentation and controls (I&C) system. A new operator workstation, new controls equipment cabinet and a new network rack will be installed and tested in the sampling building as part of this upgrade. The new equipment will fully replace the existing controls system which has reached its end of life.

WASTEWATER OPERATING SERVICES (continued)

The OT team visited the project integrator's production and testing facility in Novi, Michigan this month to conduct software, network communication, and physical controls verification and inspection.

Industrial Waste Control (IWC)

The GLWA Board of Directors approved the 2024 Amendments to the GLWA Industrial Pretreatment Program rules following a public hearing on November 21, 2024. Four comments were received during the public comment period and one revision was made to the proposed rules, specifically a clarification of valid test methods for total phenolic compounds. Working to publish the amended rule with the Office of the General Counsel's review is in progress. In accordance with state law, the amendments will be enforceable 30 days after publication.

The PFAS Compound Study Community Grant group recently submitted our grant application to the United States Environmental Protection Agency Region V for review. The project proposal and applicable attachments were forwarded in late-September 2024 and included in the grant application. Separately, IWC is working with Wastewater Engineering to develop a request for proposal to acquire consultant services in support of the project. A draft is in progress.

The parties have scheduled a mediation conference for the Pursuit of Relocation Costs from the Michigan Department of Transportation for December 6, 2024.

Engineering And Construction Wastewater Projects in Design or Miscellaneous

CIP Construction:

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

This construction project replaces the six remaining 54-inch end-of-life flow meters for the main lift pumps. Training for Operations and Maintenance Team Members is expected to take place in mid-December, along with reaching the substantial completion milestone. Project closeout activities have begun, and the project is expected to reach final completion in January 2025.

CIP 211006, Contract 2103350 – Pump Station S No.1 (PS-1) Improvements (WRRF)

Contractor Weiss is cleaning the north lower wet well, and inlet gate replacement for pump No.4 will commence soon. New electrical conduit installation in the conduit basement is ongoing. A new inlet gate actuator mock-up was done, and comments were provided to Weiss to comply with prior to installing it.

WASTEWATER OPERATING SERVICES (continued)

A revised Flowserve submittal was received after almost six months but was rejected due to poor quality and lack of clarity on comment responses. Weiss has fired up new make-up air units Nos. 2, 4, and 6 to provide heat in PS-1 and conduit basement. New steam and condensate lines are in service.



*New wall coating at
Steady Bearing Floor*



*New electrical conduits in
PS-1 Basement*

CIP 211007, Contract No. 1904337 and 2300154 – Pump Station 2 Bar Rack & Grit System Improvements

This project is to replace the current bar screens with finer screens and install an improved grit processing system. The GLWA Purchasing and Legal Teams are working to finalize the contract with the construction contractor. The notice to proceed and pre-construction kick-off are planned for the beginning of December 2024.

CIP 211011, Contract No. 2201762 – Pump Station 1 Rack and Grit (R&G) HVAC System Upgrade

The Contractor will be dismantling scaffolding at Project Classified System (PCS)-2 and will start scaffolding at PCS-3 by the end of December 2024. The Contractor has fired up air handling unit (AHU) # 3 to provide temporary heating in R&G building. Start-up for AHU #3 will be done with the completion of AHU#2. The block wall in the Complex 1 conveyor tunnel is planned to be completed soon. Per the latest schedule update, the project is behind by 50 days and a letter was issued to Clark on November 6, 2024, requesting schedule recovery.

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

Cleaning of the Aeration basin # 2 is 100% complete. The 30% design package is on schedule to be submitted to GLWA before the holidays. Different workshops and coordination meetings with the Operations and Maintenance (O&M) staff are being scheduled and conducted to discuss field investigation findings and future process control and secondary treatment changes for preparing the 30% design documents. Coordination with the I&C supplier Emerson, as well as physical modeling of the step feed system is currently underway.

WASTEWATER OPERATING SERVICES (continued)

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

A power feed test was conducted on the conveyance system. However, during operation, a motorized drum pulley on conveyor P13/14 failed. GLWA decided to engage a third party to do forensic analysis on the conveyance system and motors to identify the root cause of motor failures. Further actions will be identified and taken upon completion of the third-party root cause analysis. The project contract completion date has been extended until February 1, 2026.

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

Steam pipe in the tunnels under the administration buildings is back in service and waiting until May 2025 to continue with the work in and from Incinerator 1 basement, all the way to the boiler room. Parallel potable water main line installation procedures including potential temporary feeds are being planned. The secondary water (SW) main lining from the Waste Activated Sludge building to the railroad tracks began and will continue through winter. Operational difficulties with the existing watermain around the aeration deck have come up as necessary scope expansion to be able to perform the planned SW 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 Phase 1.

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

The Contractor is working at the New and Old Administration buildings as well as the Chlorination and De-Chlorination buildings, performing exterior repairs as the weather allows, and interior repairs in cold weather. Repairs to the remaining tanks (total three) will be resumed in Spring 2025.

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

Crews have continued work in Reach 3A, concentrating on deep concrete and joint repairs. The new gate installed at Franklin and Rivard has significantly benefited the project, enabling crews to work longer hours under lower flow conditions. This has allowed them to expedite progress on Reach 3A. The tunnel between the Fox Creek enclosure and the Manistique sewer has been completed, and crews are now finalizing the live tap to the Manistique sewer. The work on the cast-in-place regulator structure at the Fox Creek enclosure will begin in December. Meanwhile, the seawall has been finished at the intake structure and crews are now awaiting the delivery of the gates.

WASTEWATER OPERATING SERVICES (continued)

CIP 232005, Contract No. 2204605 - Freud Sanitary Pump Station (SPS) Improvements (CON)

The Contractor has completed abatement and demolition of the necessary structures for the rerouting of Freud Street and construction of the new Freud (SPS). DTE Gas has continued with the relocation of their assets and DTE Electric has mobilized to begin relocation of their assets. The contractor is working with Detroit Water and Sewerage Department and GLWA to test water isolation valves in preparation for relocation of the water assets.



*New Tunnel Connecting
Fox Creek Enclosure
and Manistique Sewer*

CIP 260206 - 2202757 - Joy Brush Bates Rehabilitation (RWCS)

Work on the Brush/Bates sewer segments has entered the Central Business District (CBD). Dewatering of the depressed sewer that extends under all of downtown is complete, and the repairs are ongoing in the CBD. Punchlist work on Joy Road is ongoing. The project will likely reach substantial completion in December 2024.

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

Change Order No. 003 has been approved by the Board of Directors in November 2024 for time extension only. The Contractor is working on revised pricing per the comments provided to repair the existing electrical enclosure and replace the existing generator.

CIP 260701, Contract 2102859 – Conveyance System Infrastructure Improvements

Regulator improvements are complete at outfalls B-3, B-5, B-6, B-14, B-15, B-16, B-21, B-22, B-26, B-28, B-29, B-31, B-32, B-33, B-34, B-35, B-40, and B-44. Improvements are nearing completion at B-18, B-38, B-45, and B-69/70. Backwater gate fabrication and installation is nearing completion. Instrumentation and controls have been tested for acceptance at outfalls B-5, B-6, and B-21. Site modifications to the United States Army Corps of Engineers facilities at outfall B-7 are underway, as is coordinated 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 (VR) Improvements

ISD equipment installation is complete or nearing completion at all the ISD sites. Improvements to B-25, B-48, B-83, B-86, and B-95 are complete. Equipment startup and testing by the Contractor and GLWA staff is nearing completion. Improvements to VR gates are underway. All ISD sites manhole modifications are complete. Engineer-directed repairs to inflatable dams are underway and will continue through the 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 in March or April 2025.

WASTEWATER OPERATING SERVICES (continued)

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

The Contractor resubmitted the O&M and training manuals for review, and training will be conducted during the second week of December 2024. Substantial completion will be declared upon completion of training. The project will likely achieve final completion in January 2025.

CIP 260903, Contract No. 2201744 – Front Entrance Rehab (CON)

The contractor has completed the majority of the concrete for the new visitor's parking lot and associated driveways. The contractor has continued work on the temporary guard house and turnstiles in preparation for the decommissioning of the existing turnstiles and rehabilitation of the existing guard house.

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

Interior slab works are complete. DTE Poles, panels and equipment were removed. Construction trailer receptacle racks installation is in progress. Roofing submittals and requirements were finally approved, and roofing work will begin soon. Exterior concrete and paver installation is in progress. Speed shelves were delivered to the project site, and erection will start soon. Wall panels for siding are expected to be delivered during mid December 2024.

CIP 277001, Contract No. 1902908 – Outfall Cleanout & Miscellaneous Improvements Design-Build (DB)

The Contractor has completed the removal and replacement of Gate S-2-1. The contractor has completed cleaning of the influent channel and has started cleaning of the Elmer-Ternes Bypass in preparation for the modifications to the Elmer Ternes Bypass.

Combined Sewer Overflow (CSO) Control Program CSO Operations, CSO Maintenance, CSO Conveyance

CSO Operations did not discharge during November 2024. Operations & Maintenance (O&M) team have taken this opportunity to clean and remove solids from the Conner Creek CSO facility which is heavily utilized in support of the improvements to the Detroit River Interceptor.

The area that experiences the majority of the sedimentation, is the area behind the bar racks at Conner Creek CSO. The team exposed the sump area, pulled the pump for inspection, and cleaned the sump pit from compacted grit material.

The third quarter CSO discharge quality assurance and quality control meeting were conducted with team members from Conveyance, Sewage Pump Station (SPS), CSO and Systems Control. This quarterly workshop surveys the performance of our wastewater collection system during dry and wet weather by viewing data collected from various sensors in our interceptors, sewer stations, and CSO locations. Leadership and O&M from GLWA, learned much from the presented materials.

WASTEWATER OPERATING SERVICES (continued)

Lessons learned and action items are the primary takeaways that team members receive, and this allows them to follow up with the host regarding corrective measures, as needed.

The Conveyance Team witnessed the North Interceptor East Arm (NI-EA) GLWA-Oakland Macomb Interceptor Drain (OMID) PC-663 gate testing. The reconstructed gate will provide a method of performing maintenance on the NI-EA. The structure will be controlled by GLWA for OMID to perform scheduled work. Team Leader of Conveyance, *Timothy Davis* was among the GLWA team members present.



Actuator for one of three gates shown in the photo above

The Water Transmission and Wastewater Conveyance Leadership Teams meet regularly to discuss the ongoing transition of asset responsibility from the current Field Services Team to the Conveyance Team.

Assets that were transitioned include:

- Fischer Sewer Pump Station In-System Storage Devices
- Valve Remote gate sites

Managers *Shon Jones* (Conveyance) and *ZaNetta Stewart* (SPS) each presented an abstract at the annual MWEA Maintenance Committee Seminar. *Shon Jones* presented on the various types of control valves for wastewater and hypochlorite systems. *ZaNetta Stewart* presented on various types of pumps at sewage pump stations. They each co-presented with other committee members and vendors.

Wastewater Conveyance & CSO successfully hired an Office Support Specialist, *Dawn Burns*. *Dawn's* role includes supporting leadership with tracking contract invoices, submitting requisitions for purchase orders, assisting with bid documents and overall office flow management. The need was to fill the communication gaps between CSO Leadership Team Members with the flow of information internally between the team as well as our internal GLWA stakeholders.

The O&M team would like to thank and acknowledge Enterprise Asset Management Professional, *Ashley Zimbelman* for going above and beyond in support of the transition to NEXGEN. Various team members, leadership included, stopped by the Conner Creek CSO conference room regarding NEXGEN related questions that were resolved by Ashley. Ashley also visited other sites to assist team members as well as invited members of the conveyance team to other coaching sessions at various locations as necessary. Ashley's hard work and ongoing support as well as other members of the Asset Management Team is appreciated.

WATER OPERATIONS AND FIELD SERVICES

Water Operations

Southwest Water Treatment Plant

Hardness Titration Class

Southwest Water Treatment Plant Chemist David Horle led the way on teaching several classes covering Hardness Titration in the Lab. Several operations team members gathered in the lab for a thorough exploration of not only how titration is performed but also some chemistry basics regarding what causes water hardness and why we measure it. There was also a practical portion of the class where each team member performed the titration themselves under David's watchful eye. We recognize all the attendees for taking the time to expand their water knowledge and a big thank you to David for being patient and knowledgeable.



Chemist David Horle teaching Hardness Titration classes to the Southwest Water Treatment Plant operation team members

Water Transmission

Maintenance & Repair Team

The Maintenance and Repair team worked on confirming the valve positions and/or repairing leaks on valves, investigated transmission main leaks and checked structures throughout the transmission main system including the following:

1. Coordinated with the City of Detroit to isolate a section of a 12-inch water main at West Grand Boulevard and Lincoln Street for the new Henry Ford Hospital expansion project.
2. Inspected and prepared multiple gate valves along Freud Street for a trial shutdown. This work is for the Freud Pumping Station Improvement Project and is being coordinated with the City of Detroit and the contractor Kokosing Industrial, Inc.
3. Continues to make repairs on numerous gate valves and blow offs on the 24-inch water main along Schoolcraft Road for work associated with a City of Detroit water main project.

WATER OPERATIONS AND FIELD SERVICES

4. Continues to clear and remove brush from structures along the 120-inch water main. The crew is also assisting the Linear System Integrity Program (LSIP) with accessing the 96-inch butterfly valve vault at Kilgore Road and Metcalf Road.
5. Continues maintaining the remote pressure monitors within the City of Detroit for the decommissioning of three water mains beneath I-375.
6. Began preparing for decommissioning of a water main around Northeast Water Treatment Plant Loop. Isolating this loop includes closing the 48-inch gate valve on East State Fair Street and closing the 42-inch gate valve on Groesbeck Highway and East 8 Mile Road.
7. Assisted Systems Control Center with monitoring flow at the Haggerty Pumping Station for system acceptance testing of the new 54-inch water main and 14 Mile Road Loop.
8. Assisted Shelby Township with a leaking tapping sleeve and valve along 24 Mile Road at Aurora Park and assisted with a 12-inch water main break on 24 Mile Road, east of Schoenherr Road, both near GLWA's 36-inch water main.



Repairing valves on Schoolcraft Road (left) and repairing and raising buried structures on Schoolcraft Road (right)



Preparing 96-inch valve vault at Kilgore Road (left) and monitoring flow for 14 Mile Loop (right)



Shelby Township 12-inch water main break on November 16

WATER OPERATIONS AND FIELD SERVICES (continued)

Mechanical Maintenance

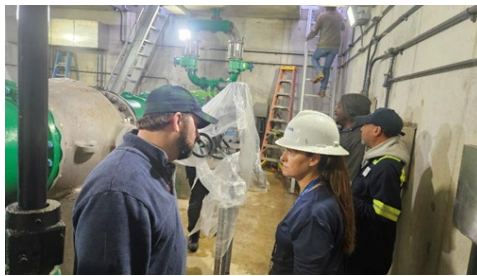
The Mechanical Maintenance crews worked on monthly, quarterly, semi-annual, and annual preventative maintenance and corrective maintenance throughout the system this week.

The crews worked on the following corrective maintenance projects:

1. Adams-Couple and test Line Pump #1 motor/pump assembly
2. Franklin Station-Flush reservoir sample lines
3. Haggerty- Isolate Reservoir
4. Haggerty Station-Replace sump pump discharge elbow
5. Rochester Station-Troubleshoot line pump #1 control valve, valve not working in auto position
6. Snover-Prepare 16-inch in cone valve for removal

The crews completed preventative maintenance at the following booster stations:

1. Booster Stations: Adams, Ford Road, Franklin, Haggerty, Michigan Avenue, Northwest, Orion, West Chicago, West Service
2. Pump Stations: Conner and Freud



Flow control testing at Haggerty Station (left) and Chrissy Muscat welding training (right)



NexGen discussion at the Mechanical Maintenance team meeting (left) and deep clean at North Station (right)

Electrical Instrumentation Control Technicians

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

WATER OPERATIONS AND FIELD SERVICES (continued)

The crews worked on the following corrective maintenance projects:

1. Crews went out to the Snover Valve pit (Hall Road and I-94) to electrically disconnect the 16-inch valve operator to be removed and sent out for repair.

The crews worked on the following troubleshooting projects:

1. At Schoolcraft we had an issue with the Line 2 variable frequency drive main breaker tripping off. It was found that the programmable logic controller for the drive needed to be reset as it was faulted. After resetting it, the team was able to close the main feeder breaker and put the drive back in service.
2. This week we had a crew out to Blue Hill to troubleshoot why we were unable to get a standby light on ovation for the Storm 2 pump motor. After some extensive investigating, we found some loose wiring connections on a terminal board in the control cabinet. When we tightened up those connections, the standby light came back on Ovation. The motor is back in service.

The crews completed preventative maintenance at the following booster stations:

1. Booster Station: Haggerty, North Service Center, Adams, Rochester, Franklin, Joy, and Eastside
2. Collection Stations: Conner, Blue Hill

The crews completed the following preventative maintenance on our generators: Adams, Joy, and Blue Hill.



Every month, we check all the motors at our water booster stations that have brushes on them. These brushes allow electricity to move through moving parts like in a motor. This causes friction and wear on the brushes making them a routine maintenance item. Inspecting them monthly, prevents us from having large issues with the equipment by replacing them when necessary before they get too worn out.

Utility Review and Permits

Our inspectors in our Utility Review and Permits team have been working diligently to ensure that our utilities are marked to avoid damage to our infrastructure by the placement of other utilities. Our engineers oversee plan reviews that include drawings and information about the placement of proposed utilities such as fiber optics, electrical, gas, etc.

WATER OPERATIONS AND FIELD SERVICES (continued)

After reviewing this information, they determine if there are any potential conflicts with GLWA's existing infrastructure.



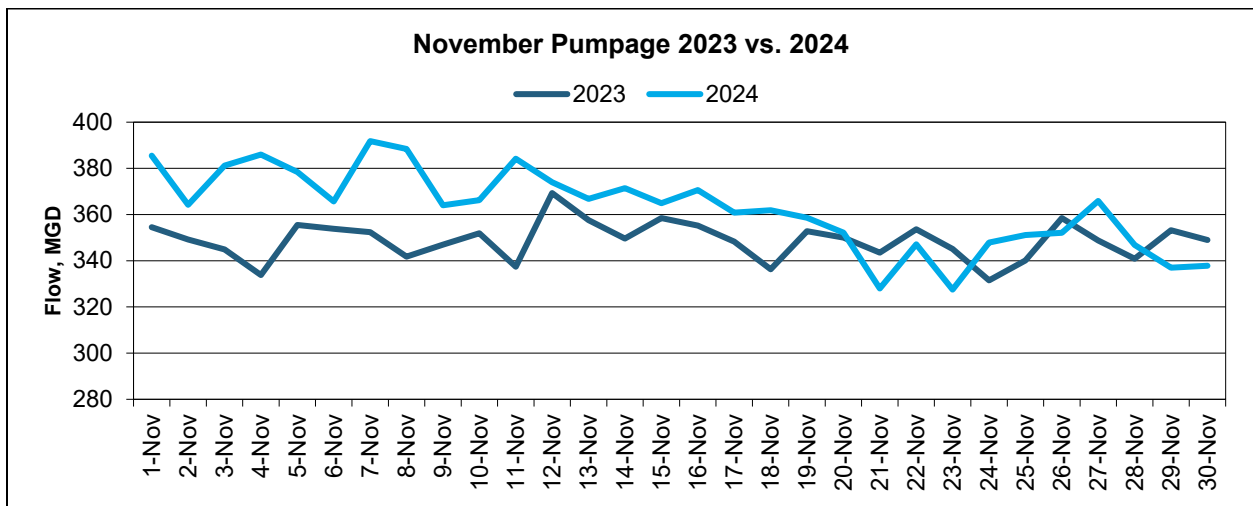
Troy Davenport staked this 54-inch water main at Superior Road and Allen Road (left) and he also staked this 24-inch water main on Eureka Road (right)



Troy Davenport staking two water mains at Emmons Road and Oakwood Road (both as "no conflict")

Systems Control Center (SCC)

There was a 4% increase in the November 2024 pumpage compared to November 2023



WATER OPERATIONS AND FIELD SERVICES (continued)

Research, Innovation & Transformation

Research

Drs. John Norton and Dienne Tolofari of GLWA's Office of Research, and Denise Funk of Brown and Caldwell prepared, and John and Denise presented, the paper "*Aligning Research Efforts with Operational Priorities: Enhancing Conventional Surface Water Treatment for Increasing Source Water TOC*" at the American Water Works Association Water Quality Technical Conference held in Chicago November 17 through November 20.

The paper described and summarized the efforts that GLWA is doing in response to increasing total organic carbon (TOC) in Lake Huron, Lake St. Clair and the Detroit River. GLWA has one raw water intake in Lake Huron and two more raw water intakes in the Detroit River. All of these intakes have shown increasing TOC over the past three years. Currently, the team is focused on the immediate challenges of enhancing the existing surface water treatment processes to continue to surpass all existing water quality criteria. The next steps include characterizing the variation and range of the source water TOC to be able to continue to maintain excellent removal, even under future changing conditions. The long-term components of the project include identifying the source or reason of the rising total organic carbon and developing and evaluating methods to ensure stable water quality within the distribution system and premise plumbing.

Innovation

John Norton and Jason Edberg, of GLWA, and Anil Gosine of DWSD, attended the 2nd annual Global Buried Asset Management Congress, held in Indianapolis, Indiana, to learn about all aspects of buried asset management, procurement, and associated regulatory issues.

Topics featured included developing an asset management program, procurement strategies for large projects, utility collaboration, and pipeline assessment and rehabilitation methods and technologies.

Dr. Norton presented on "*The Challenges and Benefits of Utility Research Collaborations*" and then moderated a session on *Energy Decarbonization* with panelists Michael Peters, Cory Kreutzer, Savanna Speciale, and Greg Zoeller. Mr. Zoeller, former elected Attorney General for the State of Indiana and member of the Bush administration, presented particular insight into navigating the political minefields of large project development.

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 100% complete. The new 54-inch transmission main has been installed, and the connections to both the 8 Mile Road transmission main and the Haggerty Booster Station have been completed. The new 54-inch transmission main is currently undergoing pressure testing, disinfection, and bacteriological testing. Final punch list items for surface restoration (roadway) are being completed on Meadowbrook Road, between 12 Mile Road and 13 Mile Road, in the City of Novi. Final testing of the control valve station at the Haggerty Booster Station has also been completed.

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-inch butterfly valve for isolation, 16-inch 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

The project is in the construction phase. The scope includes approximately 8,000 feet of 96-inch diameter welded steel pipe along Dequindre Road in Rochester Hills, divided into the North Dequindre and South Dequindre segments. To date, the contractor has installed approximately 5,900 feet of transmission main along the south segment of the project, heading toward Hamlin Road. South Dequindre Road was restored in October 2024, approximately five months ahead of schedule.

WATER OPERATIONS AND FIELD SERVICES (continued)

The contractor has begun preparatory activities on the north segment with the entire project on track to be completed by the end 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. All the pipes will be delivered by the end of 2024.

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. Schedule is to deliver the valves to GLWA by end of 2025.

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).

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

Project Manager: Corey Brecht

This Request for Proposal is scheduled to be advertised in December 2024 and is currently being reviewed by Procurement. The draft Solicitation cover has been prepared and the legal team is reviewing the documents. The scope of this Request for Proposal 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. The Design Build Request for Proposal package for Phase 3 has been advertised. Bids and proposals for this project are due by the end 2024.

WATER OPERATIONS AND FIELD SERVICES (continued)

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

Project Manager: Eric Kramp

This project provides engineering services to address long-standing issues with the switchgear, low lift, high lift, and corrosion control systems at the Lake Huron Water Treatment Plant. For the switchgear updates and low lift pumping improvements, the consultant submitted a 60% design package, which has been reviewed, and a 90% design package, which was rejected by GLWA for requiring additional detail. The Basis of Design Report for the High Lift Pump Station has been reviewed and returned, and the 30% design package was received in July 2024. The Basis of Design Report for phosphoric acid improvements has also 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 achieve overall cost savings on this Capital Improvement Plan project. The High Lift Pumping scope will shift to a rehabilitation focus, rather than new construction, as a cost-saving measure.

A request for amendment from the consultant is anticipated soon to incorporate federally mandated changes along with the aforementioned project adjustments.

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 aimed at addressing outdated and failing programmable logic controllers and controls throughout the plant, with particular emphasis on the filter building. Phase I of the project, which involves providing a biddable design package, is approximately 100% complete. GLWA and the contractor have initiated discussions regarding the Phase 2 Cost and Pricing Agreement, with the proposal submission anticipated by December 2024. Between the completion of Phase I and the execution of the Phase 2 Price and Scope Amendment, the contractor will develop alarm prioritizations and draft changes to the Standard Operating Procedures under the allowance.

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

Project Manager: Eric Kramp

This project aims to upgrade the rapid mix and flocculation systems at the Lake Huron Water Treatment Plant to meet current standards. The study phase of the project has been completed, and a combination of hydraulic and mechanical flocculation has been identified as the preferred technological solution. A fully engineered hydraulic flocculation solution could not be validated through piloting. GLWA has met with the Michigan Department of Environment, Great Lakes, and Energy (EGLE), and the preferred technological solution has been approved. Additionally, the consultant has begun drafting Job Order Contracts and Procurement Documents related to the installation of new, larger rapid mixers. This work is being prioritized ahead of other tasks under this contract to maintain compliance with agreements between EGLE and GLWA.

WATER OPERATIONS AND FIELD SERVICES (continued)

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 schedule.

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 schedule.

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. It 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.

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 within final contract completion schedule. The contract is on budget and time.

WATER OPERATIONS AND FIELD SERVICES (continued)

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

Project Manager: Justin Kietur

This project is currently in the construction phase. It involves the installation of new medium-voltage switchgear and cabling from the secondary side of GLWA transformers to the switchgear, and from the switchgear to the Low Lift and High Lift Pumps as well as the plant unit substations. Construction of the new switchgear room is ongoing, and the majority of the new medium-voltage cabling has been pulled from the Low Lift and High Lift Pumps back toward the new switchgear room. Site civil work for the new electrical duct banks and pier footings for the utility bridge has been completed. The utility switchgear, located south of the existing emergency generators, is scheduled for delivery in December. Revisions to the switchgear wiring, as required by DTE, will necessitate a Change Order to be presented to the Board.

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 have been installed with startup and commissioning activities to follow.

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 in 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.

WATER OPERATIONS AND FIELD SERVICES (continued)

The design phase for the replacement of line pumps and switchgear has commenced. The 30% design of this project will be delivered to GLWA by the end 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 by the end 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 the construction phase. The 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.

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.

WATER OPERATIONS AND FIELD SERVICES (continued)

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. A Task Adjustment has been executed and WSP, the engineering firm, is working on finalizing the 90% design.

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

Project Manager: Vittoria Hogue

The 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, following remote testing and the 30-day acceptance test, it was identified that Flint now uses significantly less water than in 2019, when the project was designed. The pump, as currently configured, cannot supply less than 10 million gallons per day (MGD), while Flint's current daily flow range is between 7 MGD and 14 MGD. The contractor plans to conduct additional vibration testing on the pumps at the low-flow range to assess their acceptability.

WATER OPERATIONS AND FIELD SERVICES (continued)

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

Project Manager: Michael Garrett

The project is nearing the end of the construction phase. Project involves new reservoir pumping facility as well as new reservoirs and improvements to various existing yard valves. 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 has been completed and the project is now substantially complete. A change order for time only to extend the final completion date was approved in the December Board meeting.

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

Energy Management

OSR Energy started a rate comparison study with DTE to ensure GLWA facilities are in the correct rate classification. DTE has a variety of rate classes, regulated by the Michigan Public Services Commission, and charges can vary based on peak power usage, in addition to the fixed and commodity charges. GLWA and DTE periodically review the rate classification of our major facilities to confirm that each facility is in the most economical rate class based on its actual electrical consumption. Thus far, four of the major GLWA facilities' rates were analyzed, and DTE reported that these accounts were on the best rate structures for the last 12 months. GLWA studied these facilities in parallel to DTE and concurred with their recommendations. The rate study is ongoing for GLWA's remaining major facility accounts.

Director Mini Panicker and DTE representative Ziad Omar, continued to work with DTE on applying for qualified Energy Savings credits. Recently DTE approved \$33,230 rebate for the three steam boiler replacements at the Springwells Water Treatment Plant. This brings up the total incentives for this year to over \$98,000.

Knowledge Capture

The team continued its on-the-job training initiative, including the production of a training video on the Adams Road Pump Station. The video's purpose is to transfer basic knowledge regarding this critical piece in GLWA's infrastructure to incoming staff, team leaders in Field Services, and GLWA staff at large.

SYSTEM RESILIENCY (continued)

The video will be 20 minutes in length and features Tom Hall from OSR and Darwin Fox, a team leader from SCC. Mr. Fox provides extensive knowledge on the current preventive maintenance program for the Adams Road Pump Station.



Flood Resiliency

GLWA and the US Army Corps of Engineers (USACE) are continuing to develop the scope, schedule, and budget for the Southeast Michigan Flood Resiliency General Investigation study. Planning, Public Affairs, and Member Outreach are continuing to support Resiliency and USACE in this work. To supplement the three-day planning charrette, GLWA and USACE are conducting a series of five workshops in Wayne, Oakland, and Macomb counties on December 2, 4, 9, 10, and 16 to solicit input from all interested parties to participate in this important study. The venues are being organized and will be focused on technical staff from 3:00 p.m. to 5:00 p.m. and the public at large from 5:00 p.m. to 7:00 p.m.

The USACE vertical planning team workplan is tentatively planned to be approved in early January 2025. In addition, GLWA has posted a request for proposal for engineering support to provide in-kind contributions for this study. Please check out <https://glwater.bonfirehub.com> reference number 0000348 for more information.

The USACE has created an interactive project website to communicate the study objectives and provide updates throughout the execution of this multi-year study. Check out <https://www.lrd.usace.army.mil/semifloodstudy/> to see the overall scope of the project and USACE's comprehensive process to execute the study and arrive at project that will mitigate flood risk in Southeast Michigan through regional cooperation. GLWA has set up a project specific "hotline" at (313) 967-1500 to field any questions on the study.

SYSTEM RESILIENCY (continued)

Resiliency Summit

OSR continues 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 will have participation from DTE, Consumers Power, and ITC, and our CEO, Sue Coffey will be one of the featured speakers to kick-off the summit. The dates are February 13 and 14, 2025, on U of M's Ann Arbor Campus. If you are interested in attending, or are just looking for more information, please reach out to Todd King.

INFORMATION TECHNOLOGY

IT Security

In the past month, the IT Security team has proactively blocked or thwarted 76,454 spam messages, 62,928 spoofed messages and 54 viruses. Additionally, 14,951 phishing attempts have been caught, and 2,649,263 malware attempts have been blocked.

IT Business Productivity Systems

The IT Business Productivity Systems team has established a new Microsoft Teams-based process for our financial system quarterly user access audits. This user audit process ensures that every team member has the appropriate system access to do their job. This new process replaces an outdated process and incorporates our new financial systems, Workday and NEXGEN that were launched this year. The user access reviews by Organizational Development, Finance, Procurement and IT confirm proper elevated access for GLWA team members based on their role.

In addition, the IT Business Productivity Systems team partnered with Procurement and Organizational Development, to implement three new procurement and benefit integrations. The original Workday FINS integrations have been stabilized and are being monitored as part of the operationalization of the implementation.

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, continues to stabilize NEXGEN Enterprise Asset Management (EAM) after its go-live on November 4, 2024. On-site post go-live support was provided through the majority of November at each of our major facilities. Remote support and refresher training was provided to enhance the adoption of the new system. Overall, the launch was successful, and team members are enjoying the use of NEXGEN with mobile work order, service request and inventory management capabilities.

INFORMATION TECHNOLOGY (continued)

Additional functionality that was purposefully not trained pre-go-live to focus on the basics will be rolled out and trained on over the next couple of months. Assets and preventive maintenance programs continue to be improved in NEXGEN based on feedback from operations and maintenance teams. Integrations with Workday, GIS, WAMR, eFleets, and several other systems are being stabilized and enhanced.

The IT Enterprise Asset Management Systems Team created a Member Partner contact dashboard to assist Member Services and other GLWA teams find this information for their outreach and field support efforts.

Finally, the IT Enterprise Asset Management Systems Team implemented a mutual Geographic Information System (GIS) data sharing agreement with Oakland County Water Resource Commission (OCWRC). This agreement and data sharing allows up-to-date access to OCWRC's water and sewer GIS data to use as reference information for studies, etc. as well as support our water and sewer operations. Vice versa, OCWRC has access to GLWA's water transmission and sewer conveyance GIS data to assist with their day-to-day operations. If other Member Partners would like to request bi-directional sharing of GIS data with GLWA, they can reach out to GIS@glwater.org.

IT Customer Delivery

The IT Customer Service Delivery Team in collaboration with Finance, Public Affairs, Organizational Development, and Water Operating Services – Research & Innovation teams, assisted with the MICareerQuest Southeast event which engaged an educated over 7,000 middle school and high schoolers to the many career opportunities that GLWA has to offer.

This event was extremely successful and will continue annually with the mission of attracting future water warriors to GLWA.



IT Project Management Office (PMO)

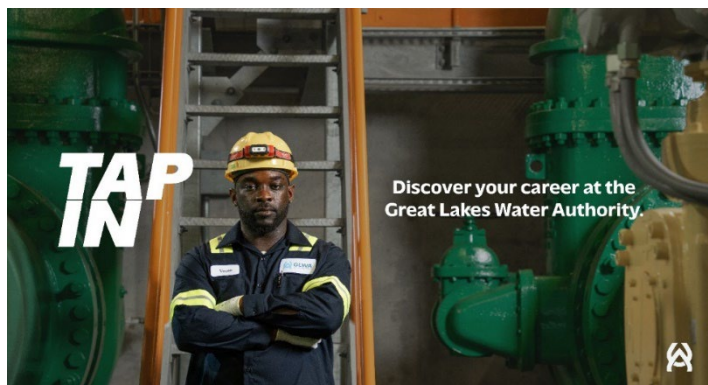
Currently, the IT PMO is managing 16 active projects and is processing six project requests. The PMO is also assisting with 26 initiatives.

PUBLIC AFFAIRS

TAP IN 2.0 Recruiting Campaign Update

The TAP IN 2.0 recruitment campaign continues to shine! Here are the latest numbers:

- Video views (not including theatres or Comcast): 277,727
- Trackable impressions: 3,963,246
- Our “science-based visuals” digital campaign ran at over 2 million impressions and was most viewed by females in the city of Detroit! This ad focused on environmental careers, careers in science and STEM, and featured many visuals from our time in the WRRF lab. To view the new commercial, click [HERE](#).



This image is one of many being used to support the Tap In campaign on GLWA's social media outlets

GLWA Apprenticeship Program Featured on FOX2 Detroit

On November 20, GLWA and its apprenticeship program was spotlighted on WJBK-TV FOX 2's Money Matters segment (pictured below). The story featured a current apprentice (Marcus Griggs), an apprenticeship graduate (LaRico Andres) and the Apprenticeship Program Director from Organizational Development (OD).

The focus of the interview was how you can make a career at GLWA while learning on the job. You can watch the story by clicking [HERE](#).



PUBLIC AFFAIRS (continued)

A Message of Gratitude

The Public Affairs Creative Services team partnered with CEO Sue Coffey to record a Thanksgiving holiday message for GLWA team members. In the video, Sue talked about how thankful she is to work alongside so many committed, talented people. She also spoke about some outstanding results from the most recent Gallup Survey surrounding team member engagement. You can watch the video by clicking [HERE](#).



Regional Flood Mitigation Community Outreach

Working in support of the Office of Resiliency, Public Affairs drafted and distributed a news release announcing the public engagement workshops for the GLWA/US Army Corps of Engineers Flood Mitigation Study. Along with information on the study, the release featured community meeting dates and locations. These meetings are the beginning of an extensive community outreach plan to seek the input of a broad range of regional stakeholders, including the public.

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 204 hours of training during the month and completed 228 total training hours for the Security and Integrity group for the month of November.

The group conducted a “Threat and Vulnerability Assessment” on November 13 – 14, 2024 at the Water Resources Recovery Facility.

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

The group finalized the “After Action Report and Improvement Plan” for the tabletop exercise that was conducted at the Springwells Water Plant staff on all hazard emergency response.

ORGANIZATIONAL DEVELOPMENT

Performance Team



Apprenticeships - National Apprenticeship Week Celebrations

In November, GLWA celebrated National Apprenticeship Week (NAW). NAW is a nationwide celebration to showcase the successes and value of Registered Apprenticeship for strengthening the economy by developing a highly skilled workforce to meet industry needs, creating pathways for career seekers to catapult into good jobs, and advancing racial and gender equity.

Detroit Fox 2 News NAW Spotlight “MoneyWorks”

Dave Spencer, Fox 2 News reporter, interviewed Patricia Butler, Organizational Development Director, Water Technician Apprentice Marcus Griggs, and Instrumentation Technician Apprentice graduate, LaRico Andres for National Apprenticeship Week. The interview ([link](#)) was aired on Fox2’s “MoneyWorks” on Wednesday, November 20, 2024. Ms. Butler discussed the importance of registered apprenticeships in retaining institutional knowledge while building the Authority’s future workforce. Mr. Griggs shared the value of the apprenticeship as a foundation for future career opportunities. Mr. Andres discussed his career journey from GED to a bachelor’s degree in engineering, which began with his commitment to GLWA’s Instrumentation Technician Apprenticeship program. Mr. Andres, a 2020 apprenticeship program graduate, is now a facility engineer with GLWA.

GLWA NAW Celebration

On Thursday, November 14, 2024, GLWA hosted its annual NAW event at Water Works Park. The event highlighted the four active apprenticeship programs (Electrical, Water Technician, Instrumentation Technician, and Maintenance Technician), the 48 apprentices, and the positive contribution apprentices have made to the organization. Apprentices demonstrated their skills, shared their stories, and assisted with the facility tour. Apprentice graduates shared their career journeys and “words of wisdom” for current apprentices.

ORGANIZATIONAL DEVELOPMENT (continued)

Keynote speakers included GLWA's CEO Sue Coffey, Deputy CEO Bill Wolfson, Chief Organizational Development Officer Jordie Kramer, the US Department of Labor's (DOL) representative Stephanie Vomvolakis, and the State of Michigan's Department of Labor and Economic Opportunity (LEO) State Apprenticeship Expansion Administrative Manager, Scott Jedelev.



Group Photo taken at Water Works Park Facility



Alfred Stepp, Instrumentation Technician Apprentice, Demonstration



*DOL and LEO Representatives
(Left to Right: Callan Eshenburgh (LEO), Shume Harrison (LEO),
Stephanie Vomvolakis (DOL), Deborah Lyzenga (LEO),
and Scott Jedelev (LEO))*



*NAW Tour at Water Works Park.
Centered: Cameron Turner, Instrumentation Technician
Apprentice*

ORGANIZATIONAL DEVELOPMENT (continued)

Focus: HOPE NAW Event

GLWA participated in Focus: HOPE's NAW celebration on Wednesday, November 20, 2024. Patricia Butler, OD Director, spoke on the merits of community partnership as a critical success factor for apprenticeships. Fifth-year Electrical Apprentice Marcus Henderson shared his apprenticeship journey.



Focus: HOPE's NAW Celebration – Left to Right: GLWA's Alicia Parker, Adino May, Patricia Butler, Focus: HOPE's Kevin Green, GLWA's Marcus Henderson

Outreach Initiatives and Events

On November 19, 2024, GLWA showcased careers at MiCareerQuest Southeast 2024, the largest one-day, career exploration event for high school students in the region. The event exposes students to a broad range of exciting, rewarding career opportunities as they prepare for their future careers.

This is GLWA's second year participating in and sponsoring this event. Over 8,000 students and teachers from 114 high schools in a six-county region (Oakland, Macomb, Wayne, Livingston, and Washtenaw) attended. GLWA chemists and engineers demonstrated water tests and the wastewater process with support from Public Affairs, IT, and Organizational Development.



Haley Grooms, Intern, demonstrating at MiCareerQuest.



Elizabeth Mann, Life Cycle Project Manager, teaching students at MiCareerQuest.



Students walking at the MiCareerQuest event

ORGANIZATIONAL DEVELOPMENT (continued)



*Group Photo taken at MICareerQuest:
Left to right, top to bottom: Brooke Ballard, Valarie Jefferson, Jordie Kramer, Pat Butler,
Adino May, Alicia Parker, Paul Ransom, Christian Miller, Lisa Prysock, Hainite Tuitupou,
Haley Grooms*

Certification Program

The Professional Development Certification Program enrollment period opened on Monday, September 30, 2024, and closed on Monday, October 14, 2024. This program provides an annual stipend for the Michigan Department of Environment, Great Lakes, and Energy (EGLE) certifications for designated GLWA classifications. The stipend was awarded to 158 team members including three apprentices. The Certification Program stipends were included in the November 15, 2024, pay.

Benefits and Wellness

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

Best and Brightest in Wellness 2024 Award Recipient

The GLWA Organizational Development One Water Wellness Team was recognized by the National Association for Business Resources (NABR) as a *Best and Brightest in Wellness 2024* award recipient.

The Best and Brightest in Wellness® is an innovative initiative that recognizes and celebrates quality and excellence in health awareness. This unique program highlights employers and wellness providers that promote a culture of wellness. It acknowledges those who strategize, execute, and assess physical, emotional, spiritual, and mental employee wellness efforts, contributing to healthier workplaces and communities.



ORGANIZATIONAL DEVELOPMENT (continued)

Mental Well-being

GLWA Men's Health Initiative – Midnights at WRRF

The GLWA Men's Health Initiative has expanded to meet the needs of the Wastewater, Conveyance and CSO teams who work the midnight shift at the Water Resource Recovery Facility (WRRF). Approximately 25 GLWA men attended the event with guest speaker, Dr. Alvin Sims. An interactive discussion on the topic of self-care and resiliency allowed them to openly discuss unresolved traumatic events that impact them today.



Wellness Wednesday Meditations



Held Wednesdays at noon, GLWA team members participated in November meditations led by the BCBSM well-being team. Each session focused on providing GLWA team members the ability to promote peace and relaxation. November topics included:

- “Silence on the Mediterranean Sea”
- “Balanced Breath”
- “Breathing for Relaxation and Calm”
- “Appreciating Your Qualities”

Physical Well-being

Physical Well-being: Team Members Improve Quality of Life



With 74 GLWA team members enrolled, 80% of team members report controlled diabetes after six months of participation. At program entry, only 37% of team members had controlled diabetes.

Teladoc for Diabetes Management is a data-based health coaching program that enables people with diabetes to share blood glucose records with Certified Diabetes Educators. Team members receive at no-cost, a connected blood glucose meter, testing strips and lancets shipped to their homes.

ORGANIZATIONAL DEVELOPMENT (continued)

The data shows:

- 93% are actively engaged with device monitoring.
- 78% are engaged in self-guided activities
- 64% engage with digital coaching
- 7% engage with expert coaching services

BCBSM Virtual Well-Being Webinars

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

- Learn how doodling affects your brain
- Consider micro workout routines
- Be more aware of Epilepsy misconceptions
- Taking a positive approach to aging



Financial Well-being

Retirement Planning Lunch & Learn

Team members were able to meet with MissionSquare retirement plan specialists virtually November 18, 2024. A total of 12 team members were able to review their retirement goals and portfolio performance during one-on-one consultations for both dates.



The Springwells Water Plant hosted the MissionSquare Retirement Education on-site lunch and learn seminar for 15 team members on November 19, 2024.

Benefit and Wellness Education

One Water Wellness Office Hours

A total of 73 team members were able to meet one-on-one for assistance with benefits, retirement, FMLA, and wellness resources.

ORGANIZATIONAL DEVELOPMENT (continued)



BENEFITS AND WELLNESS QUESTIONS???

Your One Water Wellness Team



Cynthia Offutt



Lesley Williams



Au Lisa McGovern



Morgan Mindingall



Sherrian Greenwood

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

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

Training

During November, 43 instructor-led training courses were delivered to 322 GLWA team members totaling 275.5 instructor-led training hours. For NEXGEN Training, eight courses were completed by 42 GLWA team members, totaling 13 training hours. In addition, 168 online-self-paced training courses (e.g., KnowBe4) were completed totaling 115.5 self-paced training hours. Also, 23 GLWA team members completed 24, 360Water online courses.

Talent Management

Staffing

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

Number of New Hires	7
Number of Separations	5
Total Staffing – Regular FTEs (YTD)	1071
Total Staffing – Part-Time (YTD)	15

FINANCIAL SERVICES AREA

November 2024 Audit Committee Recap

The November 2024 regular monthly Audit Committee meeting was rescheduled to Friday, December 6, 2024. The GLWA Audit Committee binders are publicly available at www.glwater.org/financials/.

FINANCIAL SERVICES AREA (continued)

The following agenda items were approved for recommendation to the Board of Directors.

- ✓ FY 2024 Annual Audit Financial Presentation
- ✓ CY 2025 Audit Committee Meeting Dates
- ✓ PFM Asset Management Contract Extension
- ✓ Schedule Public Hearing on the FY 2026 & FY 2027 Biennial budget Request
- ✓ Schedule Public Hearing on Proposed FY 2026 Schedule of Revenues & Charges

The following reports were received and filed.

- ✓ CFO Report
- ✓ Affordability & Assistance Update
- ✓ Gifts, Grants & Other Resources Report
- ✓ Quarterly Investment Report
- ✓ FY 2024 BID Year in Review Report
- ✓ Annual Procurement Report
- ✓ Vendor Outreach Report
- ✓ Procurement Pipeline

Affordability & Assistance Update

In November, the Affordability & Assistance team met with our service delivery partners to celebrate the success of the Water Residential Assistance Program (WRAP) during fiscal year 2024. Throughout the year, WRAP assisted 9,325 newly enrolled households with Direct Payment Services, which include bill credits and/or arrearage payments. Additionally, there were 1,229 new enrollments in WRAP's conservation/healthy home services. WRAP is dedicated to water assistance programming across the region and are truly thankful to everyone who contributes to the program's impact.

You can find WRAP materials—including information about our service delivery partners, flyers in four different languages, frequently asked questions, and reports—at glwater.org/assistance.

Charges Outreach & Modeling Update

The Charges Outreach & Modeling team has developed a Charges 101 training series to help member partners understand how charges are calculated. As a part of the rollout for FY 2026 charges, the first 30 minutes of each meeting is dedicated to training. The training presentations are tailored to address the meeting topic.

The goal is to help establish a shared understanding of the underlying budget and charge-setting process and provide an easy-to-follow communication tool for member partners to use when explaining rates and charges to local constituents.

FINANCIAL SERVICES AREA (continued)

Matt Lane, the Charges Outreach & Modeling Manager, has given two such presentations to member partners who have indicated they appreciated the content and recommend that the material be recorded and stored as a part of a comprehensive GLWA Charges education repository.

Procurement Update

To gather important feedback about GLWA's 2024 Vendor Outreach event, a post-event survey was distributed to all vendor attendees. Overall, GLWA's event was well received by the Vendor Community. Of those that responded, 49% rated it as excellent and 44% as very good. A total of 73% of the attendees who responded indicated that the event exceeded their expectations.

One of the goals of this annual event is for vendors to feel confident and informed about the best way to engage with GLWA and navigate the procurement process. Over 80% of survey respondents indicated that they are now more likely to respond to a GLWA solicitation after attending the outreach event with 74% of respondents indicating they are confident that their company can do business with GLWA.

In addition, positive feedback was received for GLWA's innovative general session panel which featured a discussion with five GLWA prime contractors who were able to provide detailed information to attendees about how they select their own subcontractors. Survey respondents also cited GLWA's commitment to ethics and transparency in public procurement as well as our focus on small businesses as items among the valuable things they learned at the outreach event.

In the survey, the Vendor Community also provided constructive suggestions and feedback as well as topics for future such as hosting round tables for consultants, especially local, small and minority consultants, the inclusion of technology sessions and hands-on demonstrations of Bonfire. The Procurement Team will work to incorporate these suggestions at future GLWA outreach events. GLWA would like to thank the Vendor Community for their time and valuable feedback, and we look forward to next year's event!

The November 2024 Procurement Pipeline is attached. This edition includes tips for vendors on how to utilize GLWA's Capital Improvement Plan (CIP) as well as the Project Management Plan (PMP) planning documents to provide additional insight regarding existing or new solicitations. This month's Pipeline also includes a list of upcoming solicitations.

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".

OFFICE OF THE GENERAL COUNSEL

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.

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 through January and depositions are being scheduled. The Court entered a Stipulated Scheduling Order and Mediation was conducted for ½ day on December 6, 2024. While the parties did not settle, each agreed to receive a mediator's proposal from Federal Magistrate Mona Majzoub. The deadline to accept or reject the mediator's proposal is December 13, 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, and oral arguments are currently scheduled for January 7, 2025. The Court recently dismissed an additional lawsuit related to the July 2021 storm event. The Plaintiffs are also appealing that decision. There were no new lawsuits received by GLWA this month regarding 2021 rain events.

Negotiations with the City of Dearborn: A meeting has been scheduled for December 16, 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.

OFFICE OF THE GENERAL COUNSEL (continued)

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. The parties, along with the Michigan Department of Environment, Great Lakes, and Energy have agreed to water meter locations and are now working to have those meters designed.

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.

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, OGC attends the GLWA/DWSD/EGLE monthly Compliance Calls.

Federal Grants and Contracts: The OGC has commenced a checklist of the necessary changes that GLWA must make to its policies, standard operating procedures, and federal contract exhibits in compliance with the new Uniform Grants Guidance, which has become effective October 1, 2024. Implementation of these checklist items have commenced. 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 General Counsel's office has completed training for GLWA team members and the administration of the policies is now underway.

Industrial Pretreatment Program ("IPP") & Industrial Waste Control Group (IWC): The Office continues to provide assistance on PFAS and PFOS matters. The *2024 Updated IPP Rules* were approved by the Board on November 21, 2024.

OFFICE OF THE GENERAL COUNSEL (continued)

The Office is also consulting on an IWC Appeal from Fiat Chrysler Automobiles (FCA), regarding a violation notice issued by GLWA IWC. Pursuant to the IPP Rules, a Conciliation meeting with FCA was held on November 8, 2024. Discussions are ongoing. OGC attended a meeting with USEPA Criminal Investigations Division (CID) regarding a Significant Industrial User who discharges to GLWA. USEPA CID reviewed GLWA records and expressed gratitude and a willingness to coordinate future efforts.

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.

Main Relocations: The Office continues to support water operations in its discussions with community stakeholders regarding water main relocations. The 96-inch relocation project is proceeding, and coordination continues with ITC, Sunoco, Utica Community Schools, Rochester Schools and others for the upcoming North Dequindre segment.

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.

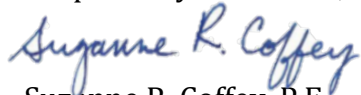
OFFICE OF THE GENERAL COUNSEL (continued)

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:	20
Contracts drafted or revised:	91
Subpoenas/Information requests received:	3
Subpoenas/Information responded to:	4

Respectfully submitted,



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

SRC/dlr

Attachment: November 2024 Procurement Pipeline

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

Procurement Tip of the Month: Utilizing GLWA's CIP and PMP Planning Documents

GLWA's Capital Improvement Plan (CIP) is a five-year planning document which identifies projects that support the continuation of major capital asset investments in GLWA's regional water and wastewater systems. Updated annually to reflect changing system needs, priorities, and funding opportunities, [GLWA's Board Approved Capital Improvement Plan for 2025-2029](#) is available on the [CIP page of GLWA's website](#).

Vendors reviewing GLWA's CIP documents may expect to find the following.

- ✓ A full listing of CIP projects for water, wastewater, and centralized services.
- ✓ Detailed one-page summaries on each project's purpose, status (whether in procurement, execution, or future planned), phases, scope of work, and cost estimations.
- ✓ Six additional informational appendices providing greater detail about projects, system background information, scoring evaluations, and [How to Navigate the CIP](#).

Vendors who regularly utilize the "Upcoming Solicitations" portion of the *monthly Procurement Pipeline* newsletter to prepare for future solicitation submissions will see, where applicable, CIP numbers listed next to certain projects. Vendors interested to know more about these upcoming projects may look up those CIP numbers in GLWA's CIP documents to review further details on projects they may be interested to pursue.

The CIP Project Management Plan (PMP)

The [CIP PMP Plan](#) establishes the business requirements, processes, and procedures used by

GLWA's CIP Delivery Team in executing CIP projects. This document includes detailed information on how projects are scheduled, budgeted, developed, and managed from start to finish, and is designed to help ensure that CIP projects are completed on time, within budget, and according to the highest quality standards. Vendors who have either been awarded a CIP project contract or who are interested to pursue one may review the PMP to gather insight on GLWA CIP projects as well as to better understand their role and responsibilities in contributing to a project's overall success.

Virtual Vendor Introduction Meetings

If you are interested in learning more about doing business with GLWA, contact us at GLWAVendorOutreach@glwater.org to schedule a virtual vendor introduction meeting. Topics include information on submitting a competitive bid or proposal to any GLWA solicitation.

Keeping up with GLWA

Our Chief Executive Officer (CEO) Monthly Report provides a wealth of information and news about important initiatives within GLWA's service territory that impact GLWA, its member partners, and the public. To read the October 2024 Monthly Report, please [click here](#).

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 November 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 Low Lift Improvements	\$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
Construction	260210	Lonyo Sewer System Rehabilitation	\$24,000,000
Construction	273001	Hubbell Southfield CSO Facility Improvements	\$56,000,000
Water System (next three months)			
Design	113010	Southwest WTP Flocculation Improvements	\$4,933,000
Wastewater (next three months)			
N/A			
Projects moved to Procurement Team (Preparing for solicitation on Bonfire)			
Professional Services	O&M	Above Ground and Below Ground Fuel System Maintenance	\$900,000
Professional Services/Supplies	O&M	Services and Equipment, Doors, Frames and Hardware	\$160,000
Professional Services	O&M	Low Voltage Wiring Task Order Service	\$5,639,560
Professional Services	O&M	Door Repairs, Service and Maintenance at Sewer Pumping Stations and CSO Basins	\$375,000
Professional Services	O&M	Pest Control and Extermination Services	\$370,000
Professional Services	O&M	Crane Rental and Maintenance	\$900,000
Design	270010	Puritan Fenkell and Seven Mile HVAC improvements	\$1,200,000
Construction	112007	Structural Repairs, Northeast Water Treatment Plant	\$6,000,000
Professional Services	O&M	Emergency Standby Generator Preventative Maintenance	\$2,910,225
Professional Services	O&M	Staffing Services	\$750,000
Professional Services/Supplies	O&M	Floor Covering Supply and Installation Services	\$246,000

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

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