



Office of the Chief Executive

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

March 26, 2025

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – March 26, 2025

Chairperson Miller and Directors,

I will begin this month with an update on the status of the 54-inch main break that occurred on February 17, 2025, in Southwest Detroit.

As of March 5, 2025, GLWA completed the repair of the water transmission main. The Detroit Water and Sewerage Department also completed the repair of its six-inch water main, and DTE Energy repaired its damaged gas line. These repairs allowed GLWA contractors to temporarily restore the roadway, with a more permanent fix coming once local asphalt companies open for the spring (likely late March/early April).

The Water Engineering and Operations Teams are currently evaluating the full length of the 54-inch transmission main to determine the best next steps to ready it for service.

GLWA's annual budget and charges process came to a close at the very end of last month with this honorable body's approval of the organization's Fiscal Year 2026 and FY 2027 biennial budget, as well as the corresponding FY 2026 water and wastewater service charges for our member partner communities.

The FY 2026 average system-wide service charge increase is 5.9 percent for the water system and 4.5 percent for the wastewater system. As you know, this is the first year that GLWA's budget increase will exceed four percent, as the 4% Promise that was included in our foundational documents concluded with FY 2025. Despite this increase, GLWA's nine-year average charge increase continues to be well below four percent (2.7% for water and 1.6% for wastewater).

I want to thank you for your thoughtful consideration and deliberation. No decision is made today without understanding how it impacts the future, the environment and those we serve. We understand that this charge increase will have an impact on our member partners, and in turn the residents of the communities we serve. No one wants to implement charge increases, but to responsibly manage and maintain the regional system, it is essential.

A good example of the work we are doing to maintain the regional system can be seen in the construction of a new flushing structure at Fox Creek, which is nearly complete and will be online this summer to not only flush stagnant creek water, but also -- for the first time -- flush the upper Detroit River Interceptor to efficiently remove sludge. As a part of this project, repairs have also been completed to the adjacent B-01 outfall, and major structural repairs to the B-01 regulator are expected to be completed by the fall of this year. You can read more detailed information on this project in the Office of Resiliency's report on pages 27 and 28.

As you may know, March is recognized as Women's History Month, and International Women's Day is celebrated annually on March 8. On March 5, GLWA held its own celebration with an online Women's Day Virtual Panel. The panel included four inspiring panelists: Springwells Plant Manager Kieyona Bailey, Deputy Chief Financial Officer Kim Garland, Director of Energy and Resilience Mini Panicker, and Wastewater Pumping Stations Manager, who were guided in their conversations by Emcee Rainesha Williams-Fox. More than 40 percent of GLWA's female team members joined the celebration, during the panel discussion valuable insights were given that equipped attendees with tools to reduce burnout and create work-life balance and tips to navigate the male-dominated water and wastewater sector.

I will close out my report as I always do by recognizing outstanding accomplishments from within GLWA.

First, I would like to acknowledge team member Terrell Dockery. Upon graduating from the Maintenance Technician Apprentice, Terrell applied for and was selected to become a Team Leader in the Water Maintenance Group. I continue to be impressed by Terrell's drive to learn and his commitment to our organization.

Next, I would like to congratulate Jacqueline Morgan, our State Revolving Fund Manager, who has been selected to participate in the Government Finance Officers Association Leadership Academy. Jacqueline was chosen from a large number of applicants for this prestigious program, which offers a full week of training focused on providing senior public and government finance professionals an opportunity to strengthen their leadership and management skills.

Finally, as March is Procurement Month, I want to give a shout out to GLWA's amazing Procurement Team who procure the goods and services that support GLWA's mission of providing water of unquestionable quality to our region. I want to thank the entire team who works so tirelessly to execute, implement, and administer contracts, as well as cultivate excellent working relationships with the GLWA Vendor Community.

PLANNING SERVICES

Enterprise Asset Management Group (EAMG)

The EAMG has been heavily involved in the response and investigation into the recent water main break in Detroit. EAMG team members, with our consulting partner HDR, have been investigating the condition of the pipe to determine the cause of the failure, as well as investigating impacts to GLWA's Linear System Integrity Program based on the new information that is now available after this break. (Photo shown right).



HDR and GLWA team members performing investigation on the 54" main

GLWA has been preparing for the inspection of the 120-inch transmission main from the Lake Huron Water Treatment Plant to the Imlay Booster Pump Station. This inspection will improve GLWA's understanding of the pipeline condition and help inform future risk mitigation options. It is expected that the pipeline will be inspected in April with minimal impact on Member Partners.

Simultaneous to this work, GLWA continues the renewal of the 36-inch pipeline on 24 Mile Road. This work is focused on using carbon fiber-reinforced polymer to strengthen portions of the pipeline that showed signs of deterioration from a previous condition assessment.

EAMG team members have continued advancing NEXGEN implementation, GLWA's new computerized maintenance management system, through targeted initiatives, including training sessions, asset onboarding, and the development of standardized frameworks for risk management and condition assessment. These efforts aim to drive a data-driven approach to asset lifecycle management, enhancing reliability and supporting informed decision-making across GLWA.

Capital Improvement Planning (CIP)

The FY 2026-2030 Capital Improvement Plan (CIP) Discussion Draft 2 was presented to the Capital Planning Committee on February 20, 2025, where the committee recommended its approval to the GLWA Board of Directors. On February 26, 2025, the Board approved the plan. Effective July 1, 2025, this comprehensive plan will serve as a roadmap for GLWA's future capital investments.

The CIP Group extends its sincere appreciation to GLWA Leadership and the dedicated members of the CIP Delivery Teams for their instrumental role in bringing this plan to fruition.

PLANNING SERVICES (continued)



WATER

Category	Amount
5-Year Total	\$1,083,229
5-Year Average	\$216,646
10-Year Total	\$2,216,920
10-Year Average	\$221,692

**Financial figures are in thousands of dollars (\$1,000s)*

WASTEWATER

Category	Amount
5-Year Total	\$1,271,603
5-Year Average	\$254,321
10-Year Total	\$2,112,834
10-Year Average	\$211,283

**Financial figures are in thousands of dollars (\$1,000s)*

PLAN SPENDING SUMMARY

5-Year Total	10-Year Total
\$2.3 Billion	\$4.3 Billion
5-Year Annual Average	10-Year Annual Average
\$471 Million	\$433 Million

Building on this momentum, the CIP Group has initiated early-stage planning for the FY 2027-2031 CIP. In February, the team conducted review sessions to capture lessons learned, outlined in the roadmap for the new CIP cycle, and began preparations for a planning kickoff meeting scheduled for April 2025. These proactive steps reflect the group’s commitment to streamlining and enhancing the capital planning process.

Since the rollout of the Program Management Plan (PMP) in January 2024, the CIP Controls Team has made significant progress in improving project schedule management. Schedules (P6) of 130 projects have been reviewed across 20 active wastewater contracts, representing 56% of all active wastewater contracts. Additionally, 35 P6 schedules have been reviewed across 12 active water contracts, representing 38% of all active water contracts.

At the beginning of FY 2025, the CIP Group set a strategic goal to prioritize ongoing P6 schedule reviews, focusing on the top 10 contracts in both water and wastewater. Through strong collaboration between the CIP Controls Team and Engineering, this goal has already been surpassed, reinforcing our commitment to enhancing project controls and schedule management.

We would also like to recognize the following project managers for their dedication and consistency in sharing P6 schedules since the PMP launch. Their commitment has been instrumental in ensuring timely monthly schedule reviews and updates:

PLANNING SERVICES (continued)

CIP Projects with Monthly P6 Schedules				
CIP#	Title	Status	Project Manager	Total P6 Schedules*
211006	WRRF PS No. 1 Improvements	Project Execution - Construction	Kashmira Patel	19
273001	Hubbell Southfield CSO Facility Improvements	Project Execution - Design	Kashmira Patel	16
260510	Conveyance System Repairs (Outfalls)	Project Execution - Construction	Jason Edberg	15
277001	Baby Creek Outfall Improvements Project	Project Execution - Construction	Paul Ransom	14
211011	WRRF PS1 Screening and Grit Improvements	Project Execution - Construction	Kashmira Patel	10

**Since the PMP rollout in January 2024*

Member Services Group

The **Water Management Best Practices (WMBP) Work Group** met virtually on February 13, 2025. Tom Rowland, Water and Sewer Superintendent for Redford Township gave an overview of the Redford Township system, highlighting infrastructure challenges and lead service line replacements. Members discussed compliance with Michigan’s Lead and Copper Rule and maintaining a Complete Distribution System Materials Inventory. David Zeleny, with Oakland County Water Resources Commissioner’s Office, shared a [Water Service Line Map](#) Water Resources Commissioner’s (WRC) developed, which shows the available information about the water service lines within the WRC managed system. The group also discussed the City of Livonia’s [CheckYourPipesLivonia.org](#) website, which features a map built in ArcGIS that allows residents to either enter an address in the search field or click on a parcel to learn the status of the service line at a particular location. Additional roundtable discussions with members covered balancing capital project needs with affordability, enhancing emergency preparedness, and planning a pressure-reducing valve maintenance workshop. The next WMBP meeting is scheduled for April 16th.

PLANNING SERVICES (continued)

The **Capital Improvement Plan (CIP) Work Group** met virtually on February 25, 2025, to discuss updates on GLWA's Capital Improvement Plan (CIP). CIP Director, Dima El-Gamal, outlined the [FY2026 – FY230 CIP](#) roadmap and the development of a comprehensive Program Management Plan (PMP). Updated contracts and [PMP chapters](#) are available on GLWA's website under the [Doing Business with GLWA page of GLWA's website](#). Bryon Wood, Director of Information Technology, introduced Kahua, GLWA's new Project Management Information System (PMIS) for CIP development and management. The implementation begins in April 2025, with full integration expected by April 2026. Kahua will interface with Workday, NEXGEN, DocuSign, ArcGIS, and other systems. Philip Kora, Wastewater Manager of Lifecycle Project Management, reviewed project delivery method selection, considering factors such as vendor availability, operational urgency, risk, project complexity, and regulatory deadlines. GLWA uses four methods: Design-Bid-Build, Design-Build, Progressive Design-Build, and Construction Manager at Risk. Attendees also reviewed [GLWA's public CIP dashboard](#) and were encouraged to provide feedback at outreach@glwater.org. Michael Lasley, Manager of Procurement Financial Services, provided a procurement update, noting that vendors making direct purchases from GLWA may use the [Michigan Sales and Use Tax Certificate of Exemption](#), available on GLWA's vendor page. He also highlighted the success of the 2024 Vendor Outreach event, which hosted over 250 vendor representatives. The next event is scheduled for September 25, 2025, at Macomb Community College. The next CIP Work Group meeting is set for July 1, 2025.



Wastewater Analytics, Planning & Metering (WwAPM)

In the past month, the WwAPM Group assisted with a hydraulic analysis of the I-375 project in collaboration with the Michigan Department of Transportation, the Detroit Water and Sewerage Department, and the consultant teams. The analysis found substantial benefits associated with the project by removing stormwater flow from the Detroit River Interceptor. We look forward to continuing to support the project as it progresses with design.

February also marked the kickoff of the Wastewater Think Tank, comprised of Member Partners and GLWA, tasked with discussing and evaluating the components of the Sewer SHAREs computation. The group has scheduled six meetings through the first half of 2025 and will report any findings and recommendations.

WASTEWATER OPERATING SERVICES

Operations

The Water Resource Recovery Facility (WRRF) operations complied with the Water Quality Standards and Air Quality Standards for the month of February.

Maintenance

Prior to this winter season, the WRRF instituted a cold weather preparedness plan for heating, ventilation, and air conditioning equipment and steam boilers, which are crucial for uninterrupted operations. This plan involves a multi-faceted approach which is monitored and is audited by the GLWA team to ensure proper operations. The success of the plan was apparent with the facility experiencing minimum cold-related disruptions to ensure the continuous operation of the system.



Old PRV and new replacement PRV

The Incineration Team is performing a project to replace the pressure reducing valves (PRV) that reduce the pressure of the screened final effluent (SFE) pressure for the scrubber quench spray and weir flow. The valves are beyond their useful life and contribute to lower scrubber flow for the incinerators. To be in compliance with the Clean Air Act, it is imperative that we maximize available flow to the scrubber system. This project aids in ensuring regulatory requirements are met while also maintaining adequate flow to the quench spray and weir portions of the scrubber system.

The Dewatering Team completed a successful emergency replacement of the MOV-123 valve in Complex A. This valve is critical for the operation of the Biosolids Dryer Facility (BDF) and operates to allow appropriate levels of recirculation sludge flow, back to the sludge storage tanks so the sludge feed pump can operate on its curve. The valve is a plug valve, and over time, the sludge wears down the internal rubber plug and causes the valve to leak and become inoperable. The team was able to accomplish this valve replacement in one shift minimizing operational impact and allowing the BDF to go back into service the same day for solids handling.



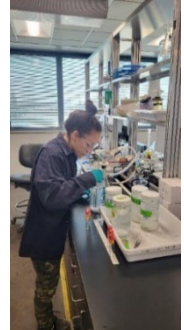
Dewatering Team working on the MOV-123 valve

WASTEWATER OPERATING SERVICES (continued)

Laboratory

Plant Technician, *Sarina McGore*, started a 6-month laboratory rotation to fulfill Plant Technician 3 competencies. Sarina already has laboratory experience and is currently performing the daily analyses provided by the WRRF Operations Team for process control. Next, Sarina will learn the sampling process. She is also supporting the team by overseeing ferric chloride unloading.

The Laboratory Team has been analyzing additional samples for over a year now. These include Phosphorus analyses of return activated sludge and main plant influent samples. Recently, the team started a twice daily analysis of phosphorus in the flow from the Biosolids Dryer Facility that is being returned to the head of the plant. This additional data will help to better understand loadings and recycle contributions of Phosphorus, an important compliance parameter.



*Chemist, **Hainite Tuitupou**
at the WRRF laboratory
performing Phosphorus analysis*

The data is also being used by researchers and consultants to inform process analyses and future capital projects. In addition to this daily process data, Laboratory Chemists provide sampling, laboratory analyses and data analyses to ongoing research projects by the University of Michigan. The data is being incorporated into their work, including refinement of a full plant process model.

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

The OT/PACS team hosted the WRRF Pump Station 1 (PS1) improvement project's operations graphics review workshops. Four sessions were held in the OT team's training room located in the New Administration Building. Combined, the sessions provided an opportunity for 21 GLWA Operations, Maintenance and Leadership Team Members to get hands-on experience with a development version of PS1's new graphics. The new graphics included overviews, summary screens, instrument status screens, and pump control diagrams.

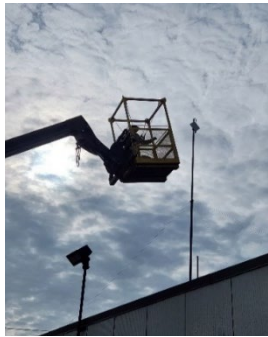
The new graphics follow high performance standards that utilize a subdued color scheme that reserves colors for abnormal conditions such as equipment trips and faults. The PS1 graphics demonstrated during the review workshops will go into service in late 2026 – after the first pump to be rehabilitated during the project returns to operation.

WASTEWATER OPERATING SERVICES (continued)

The OT/PACS team completed the control system upgrade at the Baby Creek Sampling Building. After demolition and removal of the existing remote operator station, network equipment, and control system cabinet, the OT team conducted site acceptance testing and validated all control and monitoring functions.



The new network cabinet (left) and new controls cabinet (right) are shown above



*OT/PACS Team Member **Fred Denman** during the radio replacement*

The OT/PACS team successfully replaced the Zug Island controls system radio. The radio enables remote monitoring of effluent parameters critical to the disinfection process at the WRRF.

The previous radio system had experienced intermittent communication loss, requiring operations team members to physically verify chlorine residual values at Zug. The replacement radio restores the ability to view the residuals remotely from the de-chlorination facility.

Industrial Waste Control (IWC)

Of the 215 draft modified permits issued for the GLWA (Pretreatment) Rules and Pretreatment Program, approximately 10% of the users submitted comments, generally seeking clarification rather than challenging the permit. Responses have been provided to any comments received with the issuance of a final permit (there is a 20-day appeal period). The final permits have been held for about 12 users, and a conference call will take place to address comments and questions raised before issuing a written response.

The Environmental Protection Agency (EPA) Region V provided written comments on our preliminary workplan and application, i.e. budget clarifications and recognition to EPA Strategic Goals for FY 2022-2026 for the Per- and polyfluoroalkyl substances Compound Study – Community Grant. A response is expected to be provided in March 2025.

After working with Organizational Development, a change in title took place creating a title for some team members in the IWC regulatory area of “Pretreatment Program Specialist”, which addresses specific skills for this work.

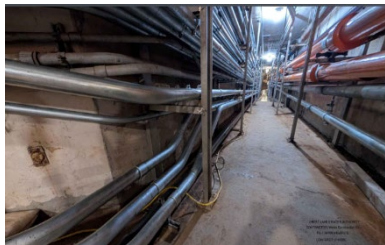
WASTEWATER OPERATING SERVICES (continued)

Engineering and Construction Wastewater Projects in Construction

Capital Improvement Planning (CIP) Construction

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

Work is ongoing in several areas, including the replacement of inlet slide gate (ISG) No. 4 in the north wet well, installation of new electrical conduits and a potable water line in the conduit basement, monitor room demolition, ductwork in dry wells, and more. The ISG No. 4 work experienced delays due to lock nut issues as well as wet weather events. To improve the schedule, the contractor plans to work on ISGs 3, 2, and 1 concurrently, with pumps on standby if needed. Emerson held graphics overview workshops with PS-1 operation team leads to gather feedback. A scheduled recovery is expected from contractor Weiss.



Electrical conduits in service tunnel



Potable water line installation

CIP 211007, Contract No. 1904337/SCN-0000409 and 2300154/SCN-0000518 – Pump Station 2 (PS2) Bar Rack & Grit System Improvements

This project will upgrade the bar screens to finer screens and install an improved grit processing system at PS2 at the WRRF. Commercial Contracting Corporation (CCC) has almost completed the initial setup for mobilization, including placing a construction office trailer on-site. They are now submitting requests for information to the design engineer, Hazen and Sawyer, to clarify details in the drawings and specifications.

The next steps include:

1. Relocating a natural gas line
2. Removing and rerouting other underground utilities, so additional building foundations can be installed
3. Installing temporary bulkheads that will keep most of the screening and grit equipment operating while certain sections are offline for upgrades

Because installing the bulkheads will temporarily lower the capacity of PS2, the project team is coordinating with operations and the Michigan Department of Environment, Great Lakes and Energy to ensure there is still enough treatment capacity and to avoid any issues during potential wet weather events.

WASTEWATER OPERATING SERVICES (continued)

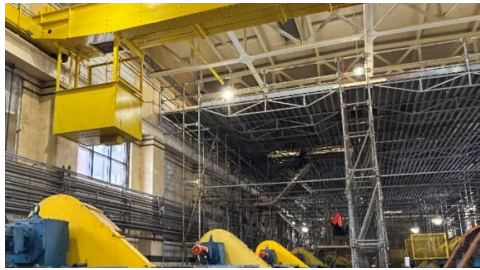


The PS2 Rack and Grit Kickoff included attendees from the contractor, Commercial Contracting Corporation (CCC); the design consultant, Hazen and Sawyer (Hazen); and GLWA's Operations, Maintenance, Engineering, Procurement, Safety and Security Teams.

From left: Melvin Murphy, Steven Eick (EGLE), Butch Kliemann, Jason Williams, John Clark, Colton Hayes, Derek Bennett, Sajit George, Ned Yeager, Chad Cogar, Erica Moore, Ralph McComber (CCC), Ravon Gillum (CCC), Matt Glaz (CCC), Joseph Kersanty (CCC), Elizabeth Mann, Sam Shehadeh (Hazen), Daniel DelPup (CCC), Jim Baut (CCC), Jason Edberg, Derek Lucassian (CCC), Alyssa Gruda, Andrew Bennett (Hazen), Bryan Salecker (Hazen), Dionne Graves, Chris Nastally, Joseph Rowland

CIP 211011, Contract No. 2201762 – Pump Station 1 Rack and Grit HVAC System Upgrade

As part of the schedule recovery, the contractor has erected and combined scaffolding. The ductwork installation is currently underway. Air handling units No. 1 and 2 arrived on-site and were placed on the roof on February 28, 2025. The Contractor completed the block wall in the conveyor tunnel at Complex I. Contract Change Directive (CCD) 04 will soon be processed for the revision of ductwork. The contractor plans to remove all scaffolding by early April 2025.



Scaffolding erected in middle and south end of building



Block wall in Conveyor Tunnel

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

Cleaning and inspection of the aeration basins are complete. The 30% design package has been submitted, and GLWA has made review comments on the drawings, basis of design, and specifications. Determination of the new pump sizing has been confirmed to be 400 million gallons per day (MGD) maximum flow, which is an increase over the older 365 MGD pumps. The pumps, along with their variable frequency drives, are long lead items and need to be designed before the rest of the project's equipment is designed. The new pumps and motors will be connected to Emerson's Machine Health Monitoring system that provides detailed real-time vibration and internal temperature data. This addition will enhance GLWA's reliability centered maintenance procedures for increasing pump/motor up-time.

WASTEWATER OPERATING SERVICES (continued)

Process control narratives covering the proposed changes to the secondary process are being developed in close coordination with the WRRF Operations Team, Process Automation & Control System Team, WRRF Engineering, and with the Instrumentation & Controls supplier (Emerson).

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

Deficiency list work is still in progress. A third party, ESI submitted on-site inspection protocol that is being evaluated. Next steps will be scheduling a coordination pre-inspection meeting with ESI, Black and Veatch, GLWA, and Weiss Teams, and then perform the on-site inspection.

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

Parallel potable water main line installation procedures including potential temp feeds are in final planning with construction to start as soon as we reach an agreement on the details. The secondary water main lining from the Waste Activated Sludge Building to the railroad tracks is ongoing. Natural gas line replacement around the primary clarifiers – Phase 3 of 7 begins this month. The SFE large diameter gate valve assessment program is beginning phase two. The SFE replacement from the Complex A sludge tanks west along north primary road is doing its exploratory excavations. The common trench from the east end of the rectangular clarifier gallery into Pump Station 1 is completing its excavation plan to begin this spring.

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

The contractor is investigating the cause and extent of spalling on the wall inside the pipe gallery at aeration basins No. 3 and 4. Work on tanks repair will resume with sludge thickener tank #3 on March 20, 2025, per approved equipment shutdown request no. 049. Construction Change Directive-J (CCD) was executed and issued to the contractor on March 3, 2025 to carry out additional work at various areas within the WRRF and Chlorination/De-Chlorination facilities. The contractor has recommended installing crack gauges at aeration basins No. 3 and No. 4 to monitor settlement issues moving forward.

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

Multiple crews were mobilized to accelerate punch list repairs in Reaches 2 and 2A, successfully completing the work on February 11 and February 12, respectively. Additionally, the adjacent Reach 3A was finalized on February 22, 2025. Only two workdays remain for Reach 3B, which is on track for completion in early March. Once completed, the Detroit River Interceptor will be available for Oakland Macomb Interceptor Drain's (OMIDD) bypass work. Overall, approximately 50,000 linear feet of the 65,000 linear feet of tunnel have been completed, making significant progress.

WASTEWATER OPERATING SERVICES (continued)

At Fox Creek, Outfall B001, crews worked extended hours to expedite cleaning and repairs. In February alone, 220 tons of debris were removed, bringing the total debris removal to over 300 tons. Structural repairs were also completed, including 605 square feet of deep concrete repairs. Additionally, stop log grooves were installed on the outfall headwall for future isolation, and one of the two backwater gates has been replaced, with the final gate scheduled for installation by the first week of March.

For the cast-in-place concrete regulator chamber, crews have successfully completed the lower sump and lower walls and are now focused on constructing the upper walls. These advancements demonstrate strong momentum in project execution, with key milestones being met and critical infrastructure enhancements progressing as scheduled.

CIP 232005, Contract No. 2204605 - Freud Sewage Pump Station Improvements

DTE-Gas and DTE-Electric have both completed their relocation work. Relocation of the six overhead users has commenced. The contractor has closed Freud Street between Tennessee Street and Algonquin Street in preparation for the relocation of Detroit Water and Sewerage Department and GLWA assets. The contractor has completed vibration analysis of the existing Freud Storm Pump Station pumps to obtain the necessary data for the rehabilitation of the pumps.

CIP 260206 - 2202757 - Joy Brush Bates Rehabilitation

The project is substantially complete and working toward final completion.

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

CCD-AB was executed and issued to the contractor on March 3, 2025, for the electrical enclosure and generator replacement work. The contractor has completed wall repairs in the upstream area of the influent channel at the Hubbell-Southfield Facility under CCD-AA. As-builts for all other CSO facilities are currently under review and being finalized.

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-38, B-40, B-44, B-45, and B-52. Improvements are nearing completion at B-18, B-45, B-50, and B-69/70. Backwater gate fabrication and installation is nearing completion on the Detroit River and beginning on the Rouge River. 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 coordination with the ongoing Rosa Parks and Jefferson reconfiguration by the City of Detroit. Substantial completion is expected in December 2025. However, current progress appears to be behind schedule.

WASTEWATER OPERATING SERVICES (continued)

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

ISD equipment installation is complete or nearing completion at all the ISD sites. Improvements at B-25, B-48, B-83, B-86, and B-95 are complete. Equipment startup and testing by contractor and GLWA staff is nearing completion. Improvements to VR gates are behind schedule due to supply issues. All ISD sites' manhole modifications are complete. Engineer-directed repairs to inflatable dams have been completed. Work is expected to be substantially complete in May 2025; however, supply chain issues with VR gates may cause a substantial delay.

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

A substantial completion certificate has been issued for this project. Hard copies for final Operations and Maintenance were received as well as the soft copies on flash drives. Final completion change order is being processed. Final unconditional waivers to finalize and process final payment and release of retention is in progress.

CIP 260903, Contract No. 2201744 – Front Entrance Rehab

The contractor has started excavation of the northern half of the project to finalize the location of the grade beams necessary to support the canopy structure. Once the excavation is complete, the structural design of the canopy will be finalized. The contractor has started work on the design of the solar panel and rainwater collection/irrigation systems.

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

Interior insulation and fabric liner is nearing completion. The overhead door is installed. Interior mechanical, electrical, and plumbing works are in progress.

CIP 277001, Contract No. 1902908 – Outfall Cleanout & Miscellaneous Improvement Design Build

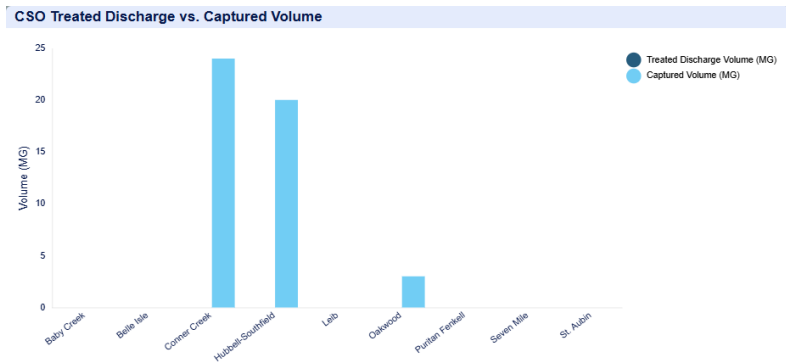
The contractor has started work on the gate installation for the Elmer Ternes Bypass. The contractor has continued the crack repairs, concrete patching, and injection grouting within the outfall. The contractor has submitted a design for the repairs to the Miller Road hatches and continues to work on the design for the flow monitoring system within the Elmer Ternes Bypass.

WASTEWATER OPERATING SERVICES (continued)

COMBINED SEWER OVERFLOW (CSO) CONTROL PROGRAM
CSO Operations, CSO Maintenance, CSO Conveyance

CSO Operations

The Wastewater Conveyance and CSO Team held a Wet Weather Event Analysis for the December 29, 2024, event to review data collected from various sensors and the CSOs. Plant Technicians representing each of the CSO facilities were also in attendance. The team discussed lessons learned and found action items to address.



None of the CSO facilities discharged this month, but three facilities that captured are indicated in the graph above

CSO Facility	Treated Discharge Volume (MG)	Captured Volume (MG)
Baby Creek	0	0
Belle Isle	0	0
Conner Creek	0	24
Hubbell-Southfield	0	20
Leib	0	0
Oakwood	0	3
Puritan Fenkell	0	0
Seven Mile	0	0
St. Aubin	0	0

Conner Creek captured 24 million gallons (MG) Hubbell-Southfield captured 20 MG, and Oakwood captured 3 MG as shown in the chart above.

It was a busy month for Baby Creek CSO. The team replaced backwater gates and proximity switches, completed Ovation upgrades at the main building and sampling building, and commenced a demolition project for chemical tanks 1, 3, and 4.

The 2024 quarter, four CSO discharge quality assurance and quality control meeting was conducted with team members from Conveyance, Sewage Pump Station (SPS), CSO and System Controls in attendance. This quarterly workshop

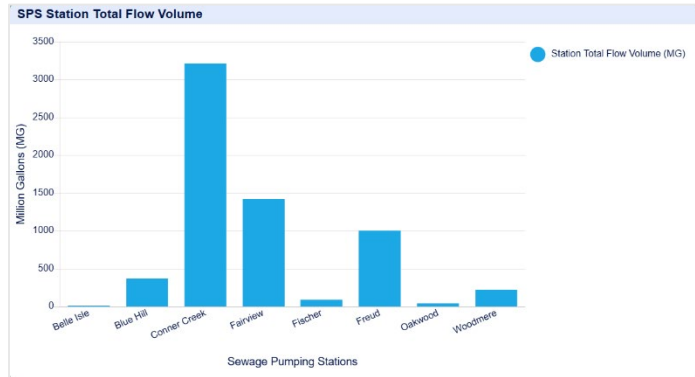
surveys the performance of the wastewater collection system during dry and wet weather by viewing data collected from various sensors in our interceptors, sewer stations, and CSO locations. Leadership, Operations and Maintenance from GLWA are educated on presented materials. Lessons learned and action items are the takeaways our team members receive and can follow up with our hosting vendor on corrective measures, if necessary.

Andrea Rosenau was promoted to the position of Professional Administrative Analyst, after working in an CSO internship role since May 2024. Andrea’s role will be supporting leadership by preparing reports, creating visuals for analysis, and assisting with various projects.

WASTEWATER OPERATING SERVICES (continued)

Sewage Pumping Stations (SPS)

The Wastewater Conveyance and CSO (WWCCSO) team began recording and reporting the Equipment Report for Pump Stations. This is part of the transition plan that splits the roles in the Field Services Group into two, drinking water and wastewater. Not only is the WWCCSO team taking ownership of the physical assets, but the reporting requirements responsibility is also being transitioned to this team.



The SPS Station total flow volumes for each facility are illustrated above, with Conner Creek SPS having the highest volume this month as shown in the graph above.

The SPS total flow for each of the SPS facilities 8 MG for Belle Isle, 375 MG for Blue Hill, 3220 MG for Conner Creek, 1419 MG for Fairview, 89 MG for Fischer, 1004 MG for Freud, 40 MG for Oakwood, and 224 MG for Woodmere are shown in the chart shown right.

SPS	Station Total Flow Volume (MG)
Belle Isle	8
Blue Hill	375
Conner Creek	3220
Fairview	1419
Fischer	89
Freud	1004
Oakwood	40
Woodmere	224

The SPS team began storm pump testing at the Freud Pump Station to ensure reliability during a storm. So far, three out of the eight pumps have completed testing. These tests verify the readiness of the Freud PS for significant wet weather conditions. During testing, at least 30-minutes of runtime is required for safe stormwater pump operation.



*GLWA
Maintenance Team
replacing the
impeller after
training, shown in*

The SPS team kick started the Pump Station Needs Assessment Project. Plans have been made, and the equipment shutdown request (ESR) has been submitted, with Bluehill being the first location to start in March.

The Maintenance Team engaged in two training sessions entitled “Phase Impeller Replacement” trainings for the large sanitary pumps at Oakwood Pump Station. Phase 1 took place at Kennedy Pump where the team was taught how to remove and replace the impeller. Phase 2 Kennedy came onsite to the CSO facility and observed and coached as the CSO team replaced a different pump’s impeller.

WASTEWATER OPERATING SERVICES (continued)

Conveyance

The Conveyance Team began recording and reporting the equipment report for remote sites this month. This is part of the transition plan, not only is the Conveyance Team taking ownership of the physical assets, but the reporting requirements responsibility is also being transitioned to this team.

The First Hamilton Sewer Rehab started February 24 and is planned to be completed March 31, 2025. Team members from GLWA assisted contractors with scheduled shutdowns for them to effectively and safely access the interceptors for service and inspections.

Following the successful test run in November 2024, on February 9, 2025, the PC-663 Contract OMID performed an additional 8-hour long test where they diverted flow from the North Interceptor East Arm (NIEA) Interceptor into the Seven Mile relief sewer. The team also monitored the Leib CSO facility during the test run and no issues nor concerns were found, and Influent Channel levels remained low. GLWA and OMID are working closely to coordinate the diversion of flow from the NIEA to Seven Mile Relief. The March 10, 2025 test of eight hours was successful. However, an additional gate needs to be delivered and installed by OMID before the full work can begin. GLWA and OMID are directly engaged in solving the remaining issues so that the work on the NIEA Interceptor from Van Dyke to Gratiot and Mt. Elliot is completed this construction season.

The Conveyance Team is growing! Interviews for two Maintenance positions began with a total of 20 candidates being considered for the role.

Acknowledgment goes to DeSean Lawson, CSO Plant Technician for helping with the 5S project at Baby Creek CSO's lab. The 5S process is used to standardize and organize spaces to create productive and efficient work environments. Additionally, we would like to acknowledge Michael Stark, Finance Management Professional for guiding our conveyance team while using Nexgen and Workday for implementing requisitions. Nexgen and Workday are used for properly applying costs to our wastewater assets when making purchases.

WATER OPERATIONS AND FIELD SERVICES

Water and Field Services Teams Keeps Focus on Safety

Ensuring the safety of team members, and maintaining a safe work environment is paramount. Each Water and Field Services team plays a critical role in both correcting issues as they arise and preventing future hazards through proactive measures. Regular training is essential to ensure everyone is equipped with the knowledge and skills needed to work safely and recognize potential risks and hazards. This month, we share examples from the Water Transmission and Facilities Operations teams performing tasks centered around safety and creating a safe work environment, as well as the importance of ongoing training meetings focused on enhancing safety awareness and compliance across all levels.

WATER OPERATIONS AND FIELD SERVICES (continued)

Water Transmission

The Water Transmission team held its first Quarterly Safety Meeting on March 5, 2025, in collaboration with the Enterprise Risk Management & Safety team. The topic covered was fall protection which included a demonstration. The photos below are from the meeting.



Kevin Walsh from Safety demonstrating fall protection



Kevin Walsh and Butch Kliemann from Safety demonstrating fall protection inspection

Facility Operations

The Facilities electrical team, Thomas Medici and Jose Nunez, are continuing work at Wick Road Station and Michigan Avenue Station on safety and emergency lights replacement. Many of our facilities lack general lighting, emergency and exit lighting. Carpenters Richard Clark and Kenneth Smelcer were assigned to assist with the lighting replacement.



Replacement of non-functioning lamps and fixtures and installation of

GLWA Facilities team continues to respond and correct work orders pertaining to safety as a priority. Lighting, exiting, safety equipment, and hazardous conditions are addressed daily.



Safety violations found at Michigan Avenue Station (exposed electrical wires)

WATER OPERATIONS AND FIELD SERVICES (continued)

Facilities carpenters, Kenneth Smelcer and Richard Clark, are completing the rebuild of stairs and platforms over the large headers and valves in the Pump Stations. There are many facilities where these stairs and platforms need to be rebuilt.



Rebuilt stairs and platforms at Haggerty Station

Research, Innovation & Transformation

Research

The Research team recently published a significant paper in the fate of per- and polyfluoroalkyl substances (PFAS) across the solids treatment train of water resource recovery facilities. The paper, entitled: “*Per- and polyfluoroalkyl substances in untreated and treated sludge/biosolids from 27 water resource recovery facilities across the United States and Canada,*” represented a significant set of findings from the GLWA/US EPA-funded research project on pollutants in biosolids.

The paper, located here: <https://onlinelibrary.wiley.com/doi/10.1002/wer.70039>, describes the analysis of PFAS compounds before and after the solids treatment processes at the different water resource recovery facilities across North America.

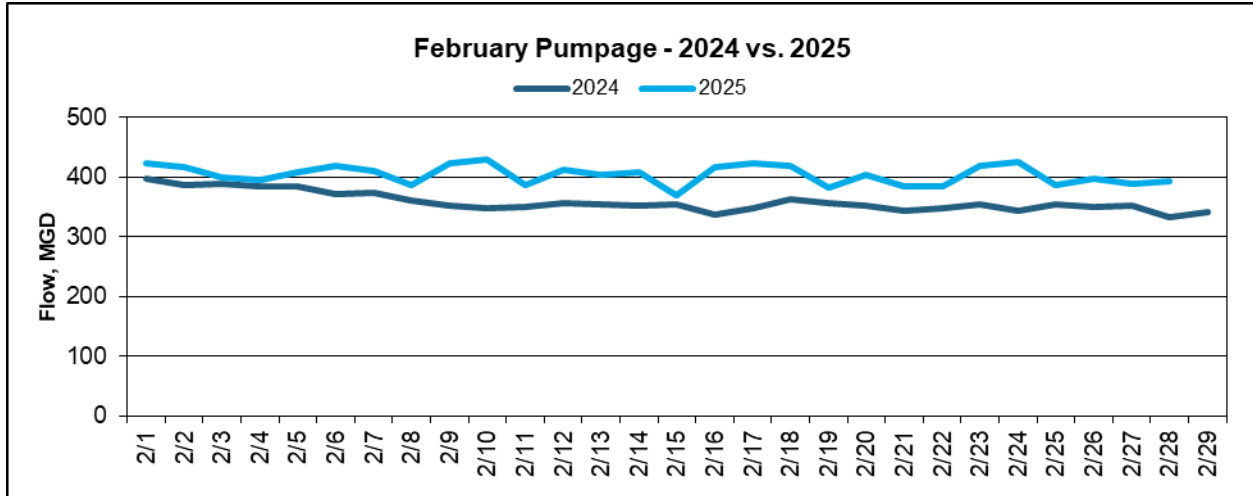
These processes included hydrolysis, thickening, belt filter, centrifuges, and anaerobic digestion. In each case, the “post” solids treatment sampling point represented the last stage before trucking and final disposal, such as land application.

The results were very interesting. Basically, despite the common description of PFAS compounds as “forever chemicals”, all of the water resource recovery facility data showed degradation of the PFAS compounds from long chain compounds to short chain compounds. In addition, the various solids treatment unit processes exhibited different levels of transformation, implying that some unit processes may create different end products than other unit processes. The various end products have different environmental and health impacts. This raises the potential for optimizing solids processing and treatment to achieve specific outcomes. Work is continuing and will be communicated as developed.

WATER OPERATIONS AND FIELD SERVICES (continued)

Systems Control Center

There was an 8.9% increase in pumpage in February 2025 compared to February 2024



Engineering

Water Engineering Active CIP Project Status

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. 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, are now complete and the basins are back in service. The project is on track for overall substantial completion on July 13, 2026, and final completion by March 18, 2027.

WATER OPERATIONS AND FIELD SERVICES (continued)

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 restoration was completed approximately five months ahead of schedule. The contractor has begun preparatory activities on the north segment, with pipe installation currently underway. The entire project is 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. Northwest Pipe Company has completed fabrication and delivery of Phase II pipe for the contractor involved with Contract No. 2300600.

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

The Request for Proposal advertising is complete. All bids have been received and are currently being reviewed by the team. 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.

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. 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 CIP 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 and the proposal submission has been received and is being reviewed. 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 involves the design, inspection services, construction management, and resident project representation services provided by the engineering firm Hazen and Sawyer for 10 of the system's finished water booster stations. These stations are located at the Imlay Booster Station, the Lake Huron Water Treatment Plant (No. 1, No. 2, and No. 3 reservoirs), the Springwells Water Treatment Plant (No. 1, No. 2, and No. 3 reservoirs), and the Southwest Water Treatment Plant (No. 1, No. 2, and No. 3 reservoirs). Design work began in December 2018, and record drawings have been completed. The contract included one change order for additional resident project representation services and extended time. The project is on track to close in early 2025, on time and within budget.

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

Project Manager: John McCallum

This is a low bid construction project. The contract scope includes reservoir cleaning, repairs, and select capital improvements to 10 finished water reservoirs located at those facilities identified in the engineering contract CS-151A above. The project is on schedule to close in early 2025, on time and on budget.

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

Project Manager: John McCallum

This project provides design, inspection services, construction management, and resident project representation services by the engineering firm Brown and Caldwell for 17 of the system's finished water reservoirs. These reservoirs are located at the following booster stations and water plants: Eastside, Wick Road, Schoolcraft, Haggerty, Adams Road, Joy Road (No. 1 and No. 2), North Service Center (No. 1 and No. 2), Water Works Park (No. 1 and 2A/2B), Northeast (No. 1 and No. 2), Michigan Avenue, Lake Huron (No. 3), and Ford Road. The contract began in July 2022 with design and exterior inspections. Currently, up to six reservoirs are under Brown and Caldwell's oversight during this low-demand water season (October 2024 to April 2025). The contract remains on time and within budget.

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

Project Manager: John McCallum

This is a low-bid construction project with LGC Global. The contract scope includes reservoir cleaning, repairs, and selected capital improvements to 17 finished water reservoirs located at the facilities identified in engineering Contract No. 2100236.

WATER OPERATIONS AND FIELD SERVICES (continued)

The first season of work was completed at the Wick Road, Eastside, and Schoolcraft locations. Change Order No. 1, has been approved and added the Ford Road Station, increasing the number of reservoirs under this contract from 16 to 17. The change order also included the installation of a bird deterrent system at five additional booster station locations, ensuring all eight finished water flat-roof reservoirs are equipped with this protection. Currently, reservoirs at Joy Road Station, Ford Road Station, Haggerty Station, and the Water Works Park Water Treatment Plant are out of service and undergoing cleaning and repairs. Reservoirs at Adams Station and Michigan Station are scheduled to follow. The final reservoir is expected to be completed in the spring of 2027. The project remains on time and within budget.

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 are complete.

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

Project Manager: Tim Kuhns

Conceptual design for the project has been completed. Project will include rehabilitation of the existing station as Phase 1 of the project with Phase 2 of the project to include new reservoirs and reservoir pump house. The design phase for the replacement of line pumps and switchgear has commenced.

WATER OPERATIONS AND FIELD SERVICES (continued)

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

Project Manager: Erich Klun

This project replaces the existing horizontal paddle wheel flocculators in the four basins of the 1958 treatment plant and adds continuous turbidity monitoring of its settled water. Basins 5 and 6 are currently halfway through a 90-day performance. Once Basins 5 and 6 are accepted by GLWA, flocculators for Basins 7 and 8 will be released for fabrication for planned installation in 2026.

CIP# 112008 (Req No. 2400082) Northeast Water Treatment Plant Filter Replacement

Project Manager: Erich Klun

Project scope includes the rehabilitation and right-sizing of the plant filtration capacity. Included in the rehabilitation is the replacement of existing filter media, wash water troughs, filter control valves, media surface wash water and wash water improvements, and complete replacement and modernization of the filter control system. Project is being executed under a design-build contract arrangement. Two proposals have been received and are currently under review by the selection committee with an anticipated start in June 2025.

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 resumed for this season.

The contractor, Ballard Marine Construction, has successfully reinstalled the Ballard Underwater Ring Transporter in the Springwells Raw Water tunnel and has started installation of the stainless-steel liner plates.

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

Project Manager: Vittoria Veltri

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. The 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.

WATER OPERATIONS AND FIELD SERVICES (continued)

The Act 399 Permit is pending with the State of Michigan. Prior to commencing construction, the City of Detroit has to complete a 16-inch set of parallel mains from Water Works Park to Rivard. Construction for this project will not commence until FY2028.

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

Project Manager: Jorge Nicolas

Project re-started design phase after a long pause due to finding the right site to build the new station, GLWA Budget realignment and GLWA needs reassessment. 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. 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 discovered 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: Brian VanHall

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 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 has been approved.

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

Project Manager: Jorge Nicolas

Arcadis has completed the technical specifications for Division 26 (Electrical) and Division 40 (Process Integration) as well as completing the Hazardous Material Survey for Request For Proposal #2400082 - Northeast Water Treatment Plant Filter Reconstruction. Burns & McDonnell has completed the review of several submittals for the Springwells Water Treatment Plant Medium Voltage Switchgear replacement, Contract No. 2201068.

OFFICE OF SYSTEM RESILIENCY (OSR)

Resiliency in Action!

The new flushing structure construction at Fox Creek is nearly complete and will be online this summer to flush stagnant creek water and, for the first time, flush the upper Detroit River Interceptor (DRI).

The Fox Creek Regulator and Backwater Gate Structure (Outfall B-01) is located at the downstream end of the Fox Creek Enclosure (FCE) near the intersection of Ashland Street and Jefferson Avenue and is critical in the prevention of flooding in the upper east side during extreme wet weather. Normally, the B-01 regulator shunts flow into the east Jefferson Relief Sewer. But in extreme events, the B-01 outfall discharges to the Fox Creek Canal, which extends for a mile through the Jefferson-Chalmers neighborhood in Detroit to the Detroit River.

In years past, the Regulator Structure included a flushing gate, which allowed for stagnant canal water to be drawn into the East Jefferson Relief Sewer to flush from the canal thereby water quality and reducing foul odors for local residents.

As part of regular and proactive assessments of GLWA's sewer infrastructure in recent years, several concerns had been identified at B-01, including major obstruction due to debris accumulation, major structural deterioration of the regulator and outfall, and inability to efficiently flush the upper DRI under the previously existing layout.

OFFICE OF SYSTEM RESILIENCY (continued)

The DB-226 contract team designed and is constructing a single fix to 1) the debris accumulation in the B-01 outfall; 2) the structural deterioration of the B-01 regulator and outfall; and 3) the lack of flushing in the upper DRI. At this time, the outfall has been structurally repaired and clear of obstructions. and is able to carry its full design capacity. The new flushing structure is nearly complete and will be online this summer to flush stagnant creek water and for the first time, as well as efficiently remove sludge from the upper DRI. Major structural repairs to the B-01 Regulator are ongoing, and expected to be complete by fall of this year.



Nearly Completed Fox-Creek to DRI Flushing Structure



Cleaned B-01 Barrel Outlets at Fox Creek



B-01 East Barrel Before and After Cleaning

OFFICE OF SYSTEM RESILIENCY (continued)

Flood Resiliency Study

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. The USACE vertical planning team workplan is tentatively approved based on the 10 January 2025 Alternatives Milestone Meeting. GLWA received three proposals for engineering support to provide in-kind contributions for this study and has selected the LimnoTech team to enter into negotiations to complete the work.

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. The site will include USACE's comprehensive process to execute the study and arrive at projects 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

Operations & Resiliency

Tom Hall, Director of Operations & Resiliency, is continuing to support and work with Water Transmission and Engineering to continue to troubleshoot system valve, pump, and controls issues for continuing issues, and capital improvement projects for the booster pump station and appurtenances. We are continuing to identify, temporary, permanent fixes, and to recommend and initiate activities to ensure systems and equipment are maintained in a state of compliance. Recent examples of collaboration include support for the repair of the North Service Center I-Valves, and installation of appurtenances necessary to conduct the 120-inch inspection between the Lake Huron Water Treatment Plant and the Imlay City Booster Pump station, currently scheduled for this spring.

Strategy & Knowledge Transfer

Sherri Gee, the newest member of the Office of System Resiliency team, will build upon the work started by our consultant, Project Innovations, to develop training content for GLWA team members. In 2025, we will collaborate with wastewater team members and continue capturing, through various media, the invaluable institutional knowledge of our teams.

INFORMATION TECHNOLOGY

IT Security

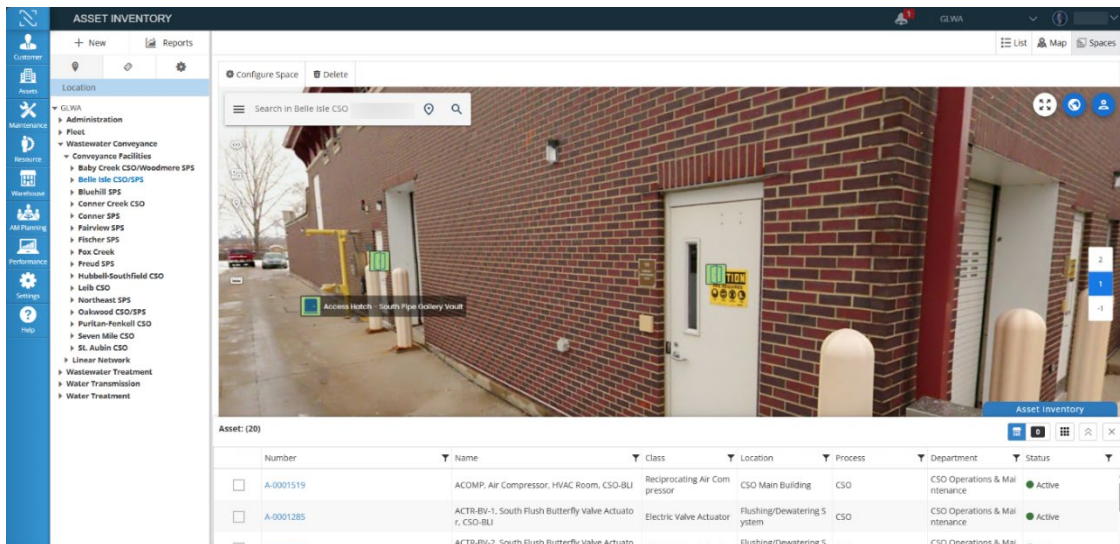
In the past month, the IT Security team has proactively blocked or thwarted 57,112 spam messages, 9,422 spoofed messages and 2 viruses. Additionally, 14,155 phishing attempts have been caught, and 6,269 malware attempts have been blocked.

INFORMATION TECHNOLOGY (continued)

IT Enterprise Asset Management Systems

The IT Enterprise Asset Management Systems team facilitated the new release for NEXGEN on March 6th. The new release includes new specialized dashboards on web focused in specific roles like Maintenance, Warehouse, and Asset Management, new dashboards on mobile that allow team members to toggle between their work and their team's work, and new work order date fields to help GLWA better plan, schedule and track work.

This release also includes new functionality that GLWA will configure and train including a new Scheduler module and NavVis integration for visualizing assets in the context of the overall facility.



NEXGEN and NavVis integration illustrating the location and context of assets within GLWA's facilities in a 3D interactive virtual view.

IT Infrastructure Delivery

The IT Infrastructure Delivery team has completed the data migration from the Dell Isilon file storage to a new NetApp file storage appliance. By completing the file migration, the Infrastructure Delivery team has stabilized file share storage for GLWA and enhanced resiliency using on-premise storage as well as cloud tiering and cold storage for archived data.

IT Project Management Office (PMO)

Currently, the IT PMO is managing 22 active projects and is processing four project requests. The PMO is also assisting with 22 initiatives.

PUBLIC AFFAIRS

Public Affairs Leads Communication Efforts around 54-Inch Water Main Break

Public Affairs led communication efforts to keep the public and member partners informed of GLWA’s response to the 54-inch water main break in Southwest Detroit.

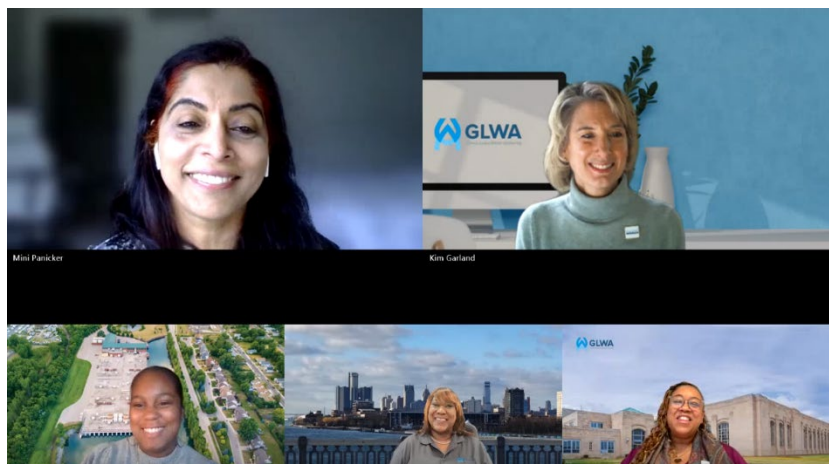
Throughout the emergency response, a regular cadence of updates was established with a total of eight updates being distributed to media and published on GLWA’s website and social media channels. A host of media interviews for CEO Sue Coffey, Chief Resiliency Officer Todd King and Water Transmission Director Peter Fromm were also coordinated.

GLWA Women Gather in Honor of International Women's Day

On Wednesday, March 5th, more than 40 percent of all the incredible women of GLWA gathered online and in-person for the Women's Day Celebration Virtual Panel. Four inspiring panelists included Kieyona Bailey - Springwells Plant Manager, Kim Garland - Deputy Chief Financial Officer, Mini Panicker - Director of Energy and Resilience, and Zanetta Stewart - Wastewater Pumping Stations Manager.

The panel was skillfully moderated by Rainesha Williams-Fox - Conveyance and CSO Management Professional, as she led the panel through courageously sharing their authentic experiences and wisdom with the group. Their valuable insights equipped attendees with tools to reduce burnout, create work-life balance and tips to navigate the male-dominated water and wastewater sector.

This event was coordinated by the Public Affairs Team, in addition to Life Cycle Project Manager - Brooke Ballard and Wastewater Professional Administrative Analyst - Brittany Rogers. The Public Affairs team also created “One Water Women” lapel pins to commemorate Women’s History Month.



Top L to R: Director of Energy and Resilience - Mini Panicker ; Deputy Chief Financial Officer - Kim Garland.
Bottom L to R: Conveyance and CSO Management Professional - Rainesha Williams-Fox, Wastewater Pumping Stations Manager - Zanetta Stewart and Springwells Plant Manager - Kieyona Bailey.

PUBLIC AFFAIRS (continued)

Celebrating Black History Month

This Black History Month, the Public Affairs team created a video to celebrate the groundbreaking contributions of Black professionals in the water and wastewater sector. The video highlights their innovations and leadership, which have profoundly impacted public health and environmental sustainability. It also showcases the essential role of diversity in driving progress.

Click [HERE](#), to view the video!



GLWA's Men's Health Initiative on Investment Basics

On Friday, March 7th, GLWA held its quarterly Men's Health Initiative event, titled "Investing Basics for Your Future." The event was hosted by Curtis Burris-White, Public Affairs Creative Services Manager, and Terry Daniel, Deputy Chief Operating Officer of Water & Field Services. It kicked off with an engaging icebreaker led by Training and Development Professional, Avery Brand, setting the stage for deep and impactful discussion on financial well-being.

Attendees were encouraged to envision their future selves as guest speaker, Doug Featherstone of MissionSquare Retirement delivered an insightful presentation on effective strategies to save and invest using GLWA's retirement benefits. The GLWA Men's Health Initiative will host additional events in March that focus on emotional health and the strength to heal.

Opportunities like these show GLWA's commitment to the personal growth and development of our team members.

PUBLIC AFFAIRS (continued)



Men of GLWA at the Men's Health Initiative event, titled "Investing Basics for Your Future."

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 412 hours of training during the month and also completed 622 total training hours for the Security and Integrity group for the month of February:

The group activated and managed the Emergency Operations Center for the 54-inch water main break in the city of Detroit.

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

The group attended the Downtown Detroit Partnership meeting with the Detroit Police Department. They also met with Downtown Detroit Homeland Security to partner with the "Threat and Risk" assessment of our five water treatment plants.

ORGANIZATIONAL DEVELOPMENT (OD)

Performance Team

Performance

The Union Mid-Year Performance Review has successfully been completed. There were 433 Team Members who completed a review.

ORGANIZATIONAL DEVELOPMENT (continued)

Internship

Summer intern recruitment and interviews are in full swing. Interviews are ongoing. A total of 14 candidates have accepted offers thus far for the 2025 GLWA Internship Program. Of our current interns, four will be extended through the summer.

A total of three summer interns from the 2024 Summer Intern Program accepted full-time positions with GLWA.

Apprenticeship



GLWA is pleased with the growth of our apprentices into leadership positions:

- Peggie Kellie, Maintenance Technician Apprentice, completed GLWA's four-year Maintenance Technician Apprenticeship Program. She was awarded the United States Department of Labor (USDOL) certificate of completion and the certificate of completion from Henry Ford College (HFC). Ms. Kellie has accepted a full-time position with GLWA as a Maintenance Technician – Level Two.
- Cleve McCree, Water Technician Apprentice, completed GLWA's three-year Water Technician Apprenticeship Program. He was awarded the USDOL certificate of completion and the certificate of completion from Macomb Community College. Mr. McCree has completed all the requirements for a Level Two Water Technician and was offered, and accepted a full-time position with GLWA as a Team Leader.
- Recent apprentice graduate, Terrell Dockery, was promoted to a Team Leader position.

Outreach Initiatives and Events

Patricia Butler, Organizational Development Director, participated in the Build Michigan Infrastructure Workforce Program Roundtable which was hosted by the Michigan Department of Labor & Economic Opportunity (LEO) at Oakland County's Executive Office. The roundtable's purpose was to discuss the State of Michigan's workforce development strategy to achieve the promise of the \$17.1B awarded through the Bipartisan Infrastructure Law (BIL) and Inflation Act (IRA). Two GLWA capital improvement projects (combined \$271M) were highlighted as part of the BIL and IRA discussion.

ORGANIZATIONAL DEVELOPMENT (continued)

The performance team attended:

- Career fairs at Eastern Michigan University and Walsh College to share internship and career information with students.
- Career awareness event at Canton High School sharing apprenticeship and pre-apprenticeship information.

Benefits and Wellness

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

During February, 23 benefits and well-being sessions were delivered to 266 GLWA team members.

Session topics included:

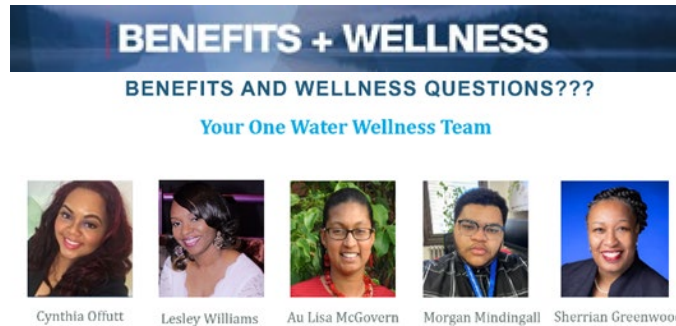
- Retirement plan education (61)
- Meditation (43)
- Virtual Well-being (43)
- Love Yourself/Menopause series (37)
- Love Your Liver (23)
- Love Your Future/ Young Professionals and Finances (19)
- Love Your Caregiver (16)
- Love Your Heart/Stress management (15)
- Dedicated GLWA team meetings (9)

During February, eight office hour sessions were held. Services were delivered to 166 GLWA team members.

Locations serviced include:

- Conner Creek CSO (6)
- Oakwood CSO (17)
- Central Services Facility (22)
- Lake Huron Water Plant (10)
- Northeast Water Plant (9)
- Southwest Water Plant (6)
- Water Works Park (39)
- Water Resource Recovery Facility (57)

ORGANIZATIONAL DEVELOPMENT (continued)



During February, 442 service inquiries were addressed for 313 team members.

Top three topics included:

- Benefit inquiry
- Retirement consultations
- Leaves of absence

The Love Campaign

The month of February featured seven educational events that engaged 110 team members in discussions on their physical, mental and financial health:

Love Your Liver

Did you know that one in three American adults have liver disease, and 50% of Americans live with at least one of the leading risk factors for liver disease?



Dr. Cristal Brown, M.D., Master of Health Science, Gastroenterologist and Transplant Hepatologist and Dr. Lewis R. Roberts, M.B., Ch.B., Ph.D., Gastroenterologist and Liver Cancer Researcher shared signs, symptoms, and steps to protect the liver with 23 team members.

Participant survey results indicated (on a scale of 1-5, 5 being Very Satisfied):

1. **Event Experience** 100% rated it 5
2. **Program content** 100% rated it 5
3. **Registration Process** 100% rated it 5
4. **Was the speaker/instructor knowledgeable of the subject** 100% rated it 5
5. **Did you learn something to improve your well-being?** 100% said yes
6. **Would you recommend this event to a team member?** 100% said yes

ORGANIZATIONAL DEVELOPMENT (continued)

Love for the Caregiver

Caregivers spend so much time taking care of others that sometimes they forget to take care of themselves. The Let's Get Away series provided a virtual for 16 team members to participate in respite care.

The virtual excursions included adventures to Brazil, King Tutankhamun's tomb, a tour of love through the ages, and the amazing world of drones!



“Let's Get Away Together” is made available thanks to funding and support from Family Caregiver Alliance (FCA) and the Hummingbird project.



Love Your Heart

Dr. Lavita Modest, Professional Administrative Analyst/OD Liaison supporting Wastewater Operations for WRRF and the CSO basins, facilitated the *Love Your Heart* seminar for 15 GLWA team members on February 14th and 21st at WRRF. She is a Licensed Professional Counselor, licensed by the State of Michigan as a Clinical Mental Health Professional.

Education on the importance of stress management in the workplace and personal lives was provided to:

- Help Team Leaders identify signs and symptoms to their Team Members who may require professional assistance.
- Provide team members with a few tools to help manage stress: The four M's of Stress Management (Mindfulness, Meditation, Movement and Mediation= Counseling).

Lesley Williams, from the One Water Wellness Team, informed team members of all available GLWA benefits and resources to assist with managing stress and other Acute/Chronic conditions (i.e., Ulliance, BCBSM/HAP/Teladoc/Hinge/Exact Meds).

Participant survey results indicated, on a scale of 1-5, (5 being Very Satisfied):

1. **Event Experience** 100% rated it 5
2. **Program content** 100% rated it 5
3. **Registration Process** 100% rated it 5

ORGANIZATIONAL DEVELOPMENT (continued)

4. **Was the speaker/instructor knowledgeable of the subject** 100% rated it 5
5. **Did you learn something to improve your well-being?** 100% said yes
6. **Would you recommend this event to a team member?** 100% said yes

Some comments provided were:

- Information was very beneficial and very detailed in how to maintain healthy mental health.
- I felt better.

Love Yourself

Menopause vs Perimenopause: What's the difference and why does it matter? Dr. Dionne Dickerson, MD and Dr. Mona, Hardas, MD presented “Is this Menopause” and “Menopause, the Mirror, the Scale - Oh My!” to 37 team members.



The question-and-answer period was quite lively, and demonstrated that there is no one-size fits all solution for this condition that impacts one third of GLWA team members.



Participant survey results indicated (on a scale of 1-5, 5 being *Very Satisfied*):

1. **Event Experience** 76% rated it 5
2. **Program content** 80% rated it 5
3. **Registration Process** 95% rated it 5
4. **Was the speaker/instructor knowledgeable of the subject** 90% rated it 5
5. **Did you learn something to improve your well-being?** 100% said yes
6. **Would you recommend this event to a team member?** 100% said yes

Some comments provided were:

This speaker had a wealth of knowledge to share about the topic, but I think the audience was reluctant to engage because this was an onscreen event. This speaker would probably be better received in person.

- This was wonderful. I learned several things that may help me during this menopausal journey.
- This presentation was very thorough and complete.

ORGANIZATIONAL DEVELOPMENT (continued)

Love Your Future

A total of 19 Young Professionals had a retirement planning session dedicated to their concerns. Presenter, Doug Featherstone, Jr. shared “Why it is important to save,” “What is dollar cost averaging,” and “How saving sooner creates a more fruitful retirement.”

Retirement Planning Education Series



MissionSquare retirement plan specialist met with one team member virtually on February 10, 2025. 28 GLWA team members met at Water Resource Recovery Facility (WRRF) to review their retirement goals and portfolio performance during one-on-one consultations.

There were 32 team members who participated on-site at a Lunch and Learn seminar.

Training

During February, 47 instructor-led training courses were delivered to 191 GLWA team members, totaling 218.5 instructor-led training hours. In addition, 200 online self-paced training courses (e.g., KnowBe4 and 360Water) were completed, totaling 156 self-paced training hours.

Talent Management

Staffing

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

Number of New Hires	9
Number of Separations	12
Total Staffing - Regular FTEs (YTD)	1074
Total Staffing - Part-Time (YTD)	14

FINANCIAL SERVICES AREA

February 2025 Audit Committee Recap

A special Audit Committee meeting was held on Monday, February 17, 2025. The regularly scheduled meeting for February 28, 2025, was cancelled. The GLWA Audit Committee binders are publicly available at www.glwater.org/financials/.

FINANCIAL SERVICES AREA (continued)

At the meeting the following reports were received and filed:

- ✓ FY 2026 & FY 2027 Biennial Budget and Five-Year Plan and Proposed FY 2026 Charges with Supporting Materials
- ✓ Monthly Financial Report through September 2024
- ✓ Affordability & Assistance Update
- ✓ Gifts, Grants & Other Resources Report
- ✓ Quarterly CWIP Report
- ✓ Conflict of Interest Report
- ✓ Final FY 2026 Units of Service Report
- ✓ Procurement Pipeline



*Samarhia Giffel, City of Grand Rapids (left),
and Haran Stanley, Great Lakes Water
Authority (right)*

At the meeting the following items were received, filed and referred to the Board of Directors for deliberation pending further review:

- ✓ Resolution to Adopt the FY 2026 & FY 2027 Biennial Budget
- ✓ Resolution to Adopt the FY 2026 Schedule of Service Charges

At the meeting the following item was recommended to the Board of Directors for action:

- ✓ Schedule Public Hearing for the GLWA FY 2026 Clean Water State Revolving Fund Project Plan Submissions

Affordability & Assistance Update

On February 4, Haran Stanley attended the 2025 Joint Expo in Lansing, Michigan, hosted by the Michigan Section of the American Water Works Association (MI-AWWA) and the Michigan Water Environment Association (MWEA). During this event, Haran participated in a Career Roundtable for aspiring water professionals, Lunch with Leaders, and volunteered at the AWWA booth on the expo floor. This event provided an opportunity for meaningful networking as well as an enhanced representation of the Great Lakes Water Authority and the Women On Water Committee.



Haran Stanley, Great Lakes Water Authority

For more information on WRAP, including details about our service delivery partners, flyers in four different languages, frequently asked questions, and reports, please visit glwater.org/assistance.

FINANCIAL SERVICES AREA (continued)

Master Bond Ordinance (MBO) Overview Lunch and Learn

On February 19, 2025, the Financial Services Area (FSA) held their third lunch and learn session titled, “Master Bond Ordinance (MBO) Overview” in the 14th Floor Training Room of the Water Board Building.

The primary purpose of this peer-to-peer lunch and learn series is to promote professional development as well as nurture a culture of knowledge sharing within GLWA. This initiative allows team members to present information on a relevant topic to their colleagues during the lunch break. The key components to FSA’s lunch and learn sessions are:

- Knowledge sharing: enables team members to share their expertise, skills, and insights with others across different teams.
- Career development: provides opportunities for team members to practice presentation skills, enhance leadership abilities, and learn about new areas within the organization.
- Team building: promotes collaboration and connection between team members by creating a casual environment for interaction and discussion.
- An informal learning environment encourages open dialogue, questions, and discussions without the pressure of a formal training setting.



Samarhia Giffel, City of Grand Rapids (left), and Haran Stanley, Great Lakes Water Authority (right)



Public Finance Team providing insight into the Master Bond Ordinance process to members of the FSA team

Members of the Public Finance Team, including Nicholas Fedewa (Manager) and Sandy Chen (Management Professional), presented an overview of the MBO process. The topics covered related to key components of the MBO, MBO roles and responsibilities within FSA, and MBO accounting and Workday tips. The attendees were able to gain a better understanding of the Master Bond Ordinance, increase essential skills to account for GLWA and DWSD activity related to the Master Bond Ordinance, and network with peers.

FINANCIAL SERVICES AREA (continued)

CFO Services

The CFO Services team is pleased to share that State Revolving Fund Manager, Jacqueline Morgan, has been selected to participate in the Government Finance Officers Association (GFOA) Leadership Academy taking place at the Arizona State University campus in Phoenix, Arizona. The academy offers a full week of training at the end of March focused on providing senior public and government finance professionals an opportunity to bolster their leadership and management skills to better serve their communities.



*State Revolving Fund Manager,
Jacqueline Morgan*

Jackie was honorably selected from a large number of applicants received for this prestigious program, and we look forward to the knowledge and experience she will bring back to share with her colleagues at GLWA.

Procurement Update

March is Procurement Month!

Established by the National Institute of Governmental Purchasing (NIGP) and celebrated by public purchasing departments across the country, Procurement Month is dedicated to honoring the unique role of public procurement professionals and expanding awareness of the vital work that they perform every day for their organizations and for the public.

Here at GLWA, Procurement Month offers us the opportunity to acknowledge our own outstanding Procurement Team who procure the goods and services that support GLWA's mission of providing water of unquestionable quality to the southeastern Michigan communities that we serve. In FY 2024, GLWA's Procurement Team, awarded procurements totaling over \$450 million spanning 4700+ requisitions. On a daily basis, Procurement executes, implements, and administrates contracts, developing strategic procurement strategies and cultivating working relationships with GLWA's Vendor Community. Dedicated and service-oriented, the GLWA Procurement Team provides the best possible information to its internal business partners as well as creates a productive and transparent environment for qualified vendors with open and fair access to GLWA opportunities.

This March, we urge all GLWA Team Members and Member Partners to recognize and celebrate the GLWA Procurement Team not only for the hard work they do this month, but every month of the year. Happy Procurement Month!

The February 2025 Procurement Pipeline is attached. This month's Pipeline edition includes a list of upcoming solicitations.

OFFICE OF THE GENERAL COUNSEL

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. On March 5, 2025, the General Counsel, along with CEO Coffey, and Deputy CEO Wolfson, met with members of the state legislature and other state policy makers. On March 31, 2025, the General Counsel will accompany the CEO (and other GLWA leaders) to Washington, D.C. for their 1st bi-annual trip of 2025 to meet with Congress and other policy makers. OGC reviewed U.S. House of Representatives Bill 1267, the Water Systems PFAS Liability Protection Act.

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. Each party rejected Magistrate Mona Majzoub’s settlement proposal. Accordingly, discovery continues and was scheduled to close February 28, 2025. MDOT recently filed a motion for Protective Order to limit the scope of remaining depositions, this motion has delayed final discovery in this matter.

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 were heard on January 7, 2025. The Court recently dismissed an additional lawsuit related to the July 2021 storm event. The Plaintiffs are also appealing that decision. On January 7, 2025, the Court of Appeals heard oral arguments on the appeal. GLWA is optimistic that the appeals panel will affirm the trial court’s dismissal of this action. A final decision from the Court of Appeals could take several months. There were no new lawsuits received by GLWA this month regarding 2021 rain events.

Negotiations with the City of Dearborn: GLWA team members met with Dearborn representatives on March 17, 2025, in response to the Dearborn Mayor’s concerns regarding potential infrastructure failure in the City of Dearborn following the severe water main break in Southwest Detroit. The parties agreed to a pathway forward in Dearborn to address concerns with infrastructure and solidifying the negotiation of a model contract.

Highland Park Settlement Agreement: On February 14, 2024, the GLWA Board voted to approve of the settlement agreement in final (or next to final) form. On March 18, 2024, the Highland Park City Council unanimously approved the Settlement Agreement between GLWA and the City. When the Settlement Agreement is fully executed, the trust incorporated as a part of the Settlement Agreement is funded, and initial distributions from the trust are received, the Highland Park litigation will be closed.

OFFICE OF THE GENERAL COUNSEL (continued)

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, Office of the General Counsel (“OGC”) attends the GLWA/DWSD/EGLE monthly Compliance Calls. OGC members also attended EPA’s Water and Wastewater Sector Threat Briefing. The Office provided assistance with Soil Erosion Permits and Access Agreements for various construction projects.

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. On January 20, 2025, the President signed many executive orders, one of which called for the Office of Management and Budget (OMB) to place a temporary pause of all grant, loan and other financial assistance. On January 29, 2025, OMB rescinded the memo and stated that the matters were still under review. This office will closely monitor all developments and their effects on GLWA.

Industrial Pretreatment Program (“IPP”) & Industrial Waste Control Group (IWC): The Office continues to provide assistance on PFAS and PFOS matters. The Office also assisted in resolution of an IWC Appeal from Fiat Chrysler Automobiles (FCA), regarding a violation notice issued by GLWA IWC.

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.

OFFICE OF THE GENERAL COUNSEL (continued)

Member Outreach: The Office continues to be an active participant in Member Outreach sessions. OGC collaborates with the team relaunching the GLWA Fraud and Ethics Hotline.

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.

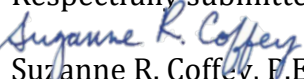
Civil Litigation and Arbitrations: The Office continues to vigorously defend actions against GLWA. In October 2023, the Board authorized settlements of key litigation including a class action lawsuit regarding IWC charges and the collection actions against Highland Park. The Office is working on implementing those resolutions. In August of 2024, DWSD was sued in a class action (Young vs City of Detroit) for damages related to a 2023 rain event and an alleged defect at the Bluehill Pump Station. While GLWA was not a named party, we are working in coordination with DWSD to resolve this matter at early facilitation. On March 4th, after a full day of mediation, the parties reached a tentative settlement that affects approximately 147 claimants who sustained property damage in the Bluehill Pump Station vicinity.

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

Procurement: The Office continues to assist GLWA's Procurement Team negotiate contracts, change orders and amendments and interpret contractual provisions. The Office is also assisting with the Procurement Policy's Procedures and updating GLWA's template contracts. The Office is part of a cross-functional team working to complete significant revisions to the GLWA construction contract, including consideration of using an entirely new contract format. The Office continues to provide advice on federal grant compliance.

Statistics:

Contracts approved as to form:	34
Contracts drafted or revised:	94
Subpoenas/Information requests received:	6
Subpoenas/Information responded to:	2

Respectfully submitted,

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

SRC/dlr
Attachment: February 2025 Procurement Pipeline

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

Michigan Sales and Use Tax for the GLWA Vendor Construction Community

As a municipal water utility, GLWA is a tax-exempt organization. GLWA is also exempt from sales and use tax when *procures tangible property directly for its own use*. In those instances, GLWA Vendors may utilize the [Michigan Sales and Use Tax Certificate of Exemption](#) which is available to view on the [GLWA Vendor Webpage](#). This form supports compliance for sales tax exemption when GLWA makes a direct purchase from your company.

Since the question occasionally arises, this month's edition of the *Procurement Pipeline* outlines the scenario in which GLWA's tax-exempt status **does not** extend to our vendors.

In summary, we have been advised that the State of Michigan Tax Law provides for the following:

- A contractor or subcontractor who constructs, alters, repairs, or improves real estate for others is recognized as the user or consumer of all goods and materials that they purchase for use in providing their services.
- As the user or consumer of these purchased goods and materials affixed to and becoming part of GLWA realty, the contractor or subcontractor cannot claim tax exempt status.
- The contractor or subcontractor in this scenario is therefore responsible for paying the sales tax.

We strongly encourage all GLWA vendors to consult with their own tax advisors when determining whether they will be responsible for payment of sales or use taxes and, therefore,

whether such costs should be included in their bid prices. If a GLWA vendor does not include sales or use tax in their bid prices, and later determines that they are responsible paying those taxes, GLWA cannot amend the contract to reimburse those costs.

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 GLWA's procurement process, Business Inclusion and Diversity (B.I.D. Program), and Vendor Performance Assessment (VPA) Program as well as information on how to submit 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 January 2025 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 February 2025

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
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	\$15,000,000
Construction	273001	Hubbell Southfield CSO Facility Improvements	\$56,000,000
Enterprise (next three months)			
Information Technology	O&M	Information Technology Service Management Software and Implementation Services	\$750,000
Water System (next three months)			
Construction	122016	Downriver Transmission Main Loop – Phase 1 – Inkster Rd	\$50,000,000
Wastewater (next three months)			
Construction	211005.2	WRRF Pump Station 2 VFD Replacements	\$12,000,000
Construction	260624	Emergency Chemical Storage Tanks Replacement	\$4,064,500
Design	270007	CSO Facility Disinfection Improvements	\$2,000,000
Construction	270006	CSO Facility Improvements II	\$17,500,000
Construction	260904	Renovation of the New Administration Building 3 rd Floor	\$8,500,000
Construction	260210	Lonyo Sewer System Rehabilitation	\$24,000,000
Construction	213006	WRRF Improvements to Sludge Feed Pumps at Dewatering Facilities	\$16,000,000
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
Construction	112007	Structural Repairs, Northeast Water Treatment Plant	\$6,000,000
Professional Services	O&M	External Auditor Services	\$975,000
Professional Services	O&M	Investment Advisor	\$2,200,000
Professional Services	O&M	Grant Consulting Services	\$150,000
Professional Services	O&M	Staffing Services	\$750,000
Design	113010	Southwest WTP Flocculation Improvements	\$4,933,000
Professional Services	O&M	Task Order Engineering Services (TOES) Contract 2025	\$15,000,000
Professional Services	O&M	Personnel and Equipment Doors, Frames and Hardware	\$160,000
Construction	270004	Oakwood and Leib CSO Facilities Improvement	\$55,000,000
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