



Office of the Chief Executive

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

January 22, 2025

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – January 22, 2025

Chairperson Miller and Directors,

We are steadily progressing through our Fiscal Year 2026 budget and charge setting process, with the first draft of our proposed budget and charges having been presented to this honorable body's Audit Committee on January 6, 2025, and along with this report, it is intended to be submitted to the full Board of Directors at this, your January 22, 2025, meeting.

In addition to it being presented to our Board, we have been working through our normal Member Partner engagement, having recently completed the third and fourth meetings of our annual charges rollout meeting series. A host of one-on-one meetings between our Charges Outreach and Modeling Team and our Member Partners have also been conducted to answer questions and provide additional information.

While I know there is much discussion yet to come with this honorable body, I would be remiss if I did not take a moment to recognize the hard work of our Financial Services Team Members for taking on the heavy lift of bringing in-house a number of critical functions related to the development of budget and charges that were previously handled by a long-serving outside consultant.

As a part of our continued focus on the overall resilience of the regional system, we are collaborating with several areas of the University of Michigan to design and conduct an educational summit on power and water resiliency and their nexus in the utility space. The summit, which will be held on the University of Michigan campus on February 13-14, 2025, will also have participation from DTE Energy, Consumers Power, ITC. I'm very much looking forward to the exchange of ideas with our utility partners, and we will report out any interesting outcomes at a future board meeting.

I'm pleased to announce continued progress in our work with the State of Michigan and Highland Park to effectuate the settlement agreement. Consistent with that agreement, the water master meter locations have been agreed to by all parties and their design has been completed.

Construction is planned to begin next month and completion of two of the three master water meters is anticipated by the end of April. Discussion regarding the temporary master sewer meters is still ongoing.

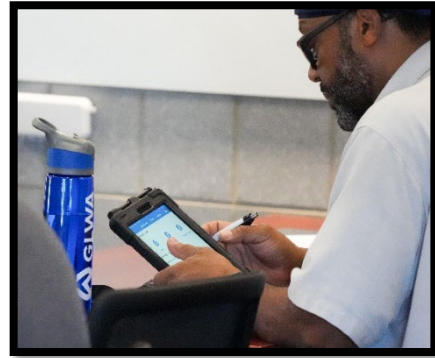
I will close out my report as I always do by recognizing outstanding accomplishments from within GLWA. First, I want to acknowledge the fact that with the success of chemists in the Wastewater Laboratory who recently passed their State of Michigan D-Level licensing exam. With this round of certifications, the lab experienced a 27 percent increase in the number of chemists in the lab with wastewater operator's licenses. We appreciate this commitment to continued education and professional development.

Finally, I would like to thank our team members for their support of our holiday giving effort. Thanks to their generosity, we were able to donate nearly \$3,000 to the Judson Center.

PLANNING SERVICES

Enterprise Asset Management Group (EAMG)

Following the successful go-live of NEXGEN, GLWA's new Enterprise Asset Management System, the EAMG has been diligently working to ensure the accuracy of the asset inventory and the smooth operation of the Preventive Maintenance (PM) program. With over 12,000 PMs imported from the previous WAM system, significant effort has been devoted to clean-up and validation, enabling team members to complete work orders accurately and on schedule.

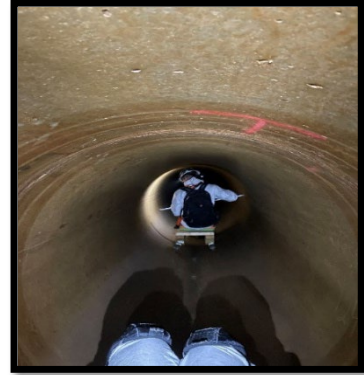


Team Member using NEXGEN on the Tablet

Aiming to enhance efficiency, the EAMG has closely collaborated with operations and maintenance teams to consolidate PMs and leverage NEXGEN's advanced functionality. This initiative has not only helped identify missing PMs but has also improved organization and work tracking through NEXGEN's management dashboards. While this work is ongoing and further refinements are planned, the progress achieved so far has had a significant positive impact, supporting better management of PM activities across GLWA facilities.

PLANNING SERVICES (continued)

In spring 2024, the EAMG, in partnership with the Water Transmission Group, conducted a condition assessment of the 36-inch diameter transmission main along 24 Mile Road, spanning from the Rochester Booster Pump Station in Shelby Township to Fairchild Road in Macomb Township, as part of the Linear System Integrity Program (LSIP). The LSIP's primary objective is to proactively assess, identify, and renew pipelines before they reach critical failure. The assessment of the 24 Mile Road transmission main revealed 103 pipes in a state of incipient failure or beyond their strength limits. As a result, a total of 126 pipes, including 23 opportunistic renewals, will undergo renewal in the spring and summer of 2025. Preparations for this renewal are already underway. The Water Transmission Group is dewatering and cleaning the pipes while securing necessary permits from county and state agencies. The renewal process will be executed in two phases to balance operational demands:

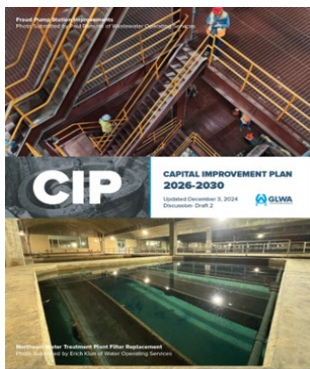


Internal Inspection of 36" Pipe

- Phase 1: Scheduled from February to May 2025
- Phase 2: Scheduled from May to July 2025, enabling partial reinstatement of the transmission main to meet summer water demand for Member Partners

This phased approach reflects GLWA's commitment to proactive asset management and uninterrupted service for Member Partners.

Capital Improvement Planning (CIP):



Following a thorough update to the FY 2026-2030 CIP Discussion Draft 1, the CIP Group successfully released Discussion Draft 2 in December 2024. This updated draft reflects actuals as of September 30, 2024, and project updates provided by Managers as of November 15, 2024. During the Capital Planning Committee meeting on December 10, 2024, the FY 2026-2030 CIP Discussion Draft 2 received positive feedback.

In early December 2024, the CIP Controls Team welcomed Mahfuz Rahman, who transitioned from Procurement to fill the Management Professional - Budget position. Mahfuz's contributions in this critical role are expected to bolster CIP delivery efforts significantly.

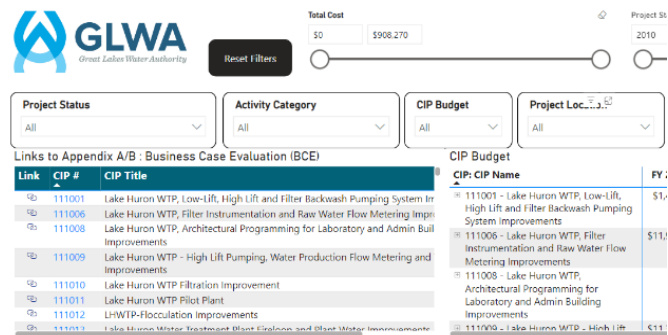
PLANNING SERVICES (continued)

Recruitment efforts for the Project Management Information System (PMIS) System Analyst role also progressed, with multiple follow-up interviews completed for this key position, which will play an essential role in supporting the implementation and long-term success of the selected PMIS, Kahua platform.

Additionally, in December 2024, the CIP Group participated in the All-Planning Services Area annual meeting. During this event, updates on the release of the FY 2026-2030 CIP Discussion Draft 2 and the launch of the new CIP Public Dashboard were presented. The CIP Controls Team also showcased tools and processes that enhance transparency and accessibility for stakeholders, further demonstrating our commitment to continuous improvement.

Member Services Group

The **Capital Improvement Plan (CIP) Work Group** meeting held virtually on December 3rd began with a presentation from GLWA's CIP Director, Dima El-Gamal, on the first Draft FY2026 – FY2030 CIP. Since this meeting, Draft #2 has been posted which incorporates feedback from the first draft and includes other project update information. Dima also took the opportunity to introduce a new dashboard tool designed to help Members efficiently explore the CIP document based on feedback from previous years.



The screenshot shows the GLWA CIP Dashboard Tool interface. At the top left is the GLWA logo (Great Lakes Water Authority). To the right, there is a 'Total Cost' slider ranging from \$0 to \$908,270, with a 'Project St.' dropdown set to 2010 and a 'Reset Filters' button. Below these are four filter dropdowns: 'Project Status' (All), 'Activity Category' (All), 'CIP Budget' (All), and 'Project Loc.' (All). A link 'Links to Appendix A/B : Business Case Evaluation (BCE)' is visible. The main content is a table with columns for 'Link', 'CIP #', 'CIP Title', 'CIP: CIP Name', and 'FY:'. The table lists several projects, including 'Lake Huron WTP, Low-Lift, High Lift and Filter Backwash Pumping System Improvements', 'Lake Huron WTP, Filter Instrumentation and Raw Water Flow Metering Improvements', 'Lake Huron WTP, Architectural Programming for Laboratory and Admin Building Improvements', 'Lake Huron WTP - High Lift Pumping, Water Production Flow Metering and Improvements', 'Lake Huron WTP Filtration Improvement', 'Lake Huron WTP Pilot Plant', 'LH-WTP-Flocculation Improvements', and 'Lake Huron WTP, Instrumentation and Raw Water Flow Metering Improvements'. The 'FY:' column shows values like \$1, \$11, and \$11.

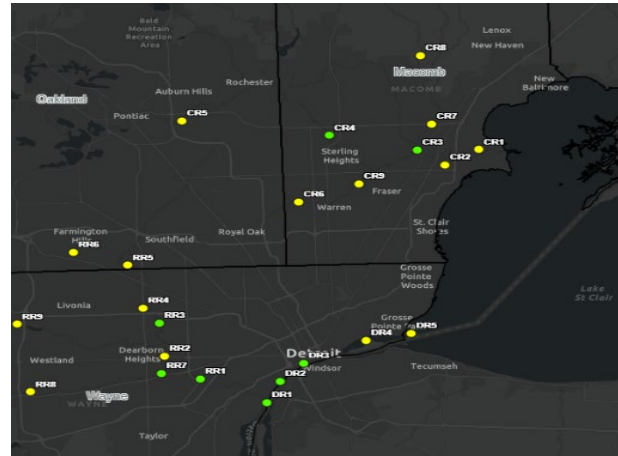
Screenshot from the homepage of GLWA's newly released public CIP Dashboard Tool

Next, GLWA's Chief Financial Officer, Nicolette Bateson, provided several updates from the Financial Services Area including information on GLWA's Annual Charges Rollout process and cost-pool allocation methodology. The final presentation came from Mike Lasley who provided information on the GLWA Vendor Performance Assessment process.

This process uses a scored survey with a standard set of questions to evaluate a consultant or vendor's performance on a contract. The next meeting of the CIP Work Group is scheduled for February 25, 2025.

PLANNING SERVICES (continued)

The **Watershed Hub Work Group** met virtually on December 4th to discuss ongoing water quality initiatives. The group was joined by Rebecca Carvin of the United States Geological Survey to discuss the next steps of the Regional Water Quality Monitoring Program. Due to the discontinuation of Great Lakes Restoration Initiative funding for some monitoring sites in the Clinton and Rouge River watersheds, the group discussed how to best allocate GLWA's budget to capture new data per the plan while ensuring the continuity of key data streams from those previously established sites. The group agreed that forgoing pH monitoring at all new sites and removing in-situ nutrient monitoring from select sites was the best way to ensure all other monitoring could continue as planned. Work group members also provided updates on their local *E. coli* grab sampling efforts, which will be discussed in a report that will be completed in the spring. The next meeting of the Watershed Hub Work Group is scheduled for January 22, 2025.



Proposed USGS Monitoring Sites from the GLWA Regional Water Quality Monitoring Program

The final **One Water Partnership** meeting of 2024 was held on December 12 at Macomb Community College. Todd King, Chief Resiliency Officer, provided an update on the Southeast Michigan Flood Mitigation Study that has kicked off with the Army Corps of Engineers. Five public meetings were held in December to obtain feedback, perspectives, and priorities from residents. Members at this One Water Partnership meeting also provided suggestions for prioritization. A [project website](#) will provide ongoing updates as the study progresses.



Members voted on priority projects

Next, Navid Mehram, Chief Operating Officer-Wastewater, introduced a new opportunity for GLWA Member Partners. GLWA has partnered with the Michigan Water Environment Association and its national organization, the Water Environment Federation (WEF) to offer a single-contract, three-year membership model to GLWA, Member Partners, and their employees, beginning January 1, 2025. Please watch for information on how to register which will be coming soon.

The annual co-chair election took place at this meeting. Co-chairs serve as the voice of members, a sounding board for GLWA, and advise on agendas for One Water Partnership meetings, among other matters. All incumbents were voted in, by a show of hands indicating consensus.

PLANNING SERVICES (continued)

2025 Co-Chairs

Name	Representing	Phone	Email
Carrie Cox	Oakland County (OCWRC)	248-470-1314	coxco@oakgov.com
Michael Way	Macomb County (Grosse Pointe Shores)	313-790-1559	mway@gpshoresmi.gov
Kevin Johnson	Macomb County (Macomb Twp.)	586-980-2293	kjohnson@chesterfieldtwp.org
Laurie Koester	GLWA	248-561-3941	Laurie.koester@glwater.org
Tom Murray	Wayne County (Allen Park)	313-928-0550	tmurray@cityoffallenpark.org
Don Rohraff	Wayne County (Livonia)	734-673-8069	drohraff@ci.livonia.mi.us
Scott Dungee	Genesee County (Flint)	810-265-3059	sdungee@cityofflint.com
Sam Smalley	Detroit (DWSD)	313-410-1099	Samuel.Smalley@detroitmi.gov
Luke Blackburn	Washtenaw County	734-544-7116	LBlackburn@ycua.org

The GLWA Scorecard survey was distributed in September and results were provided at this December meeting. The overall purpose of the scorecard is to measure member satisfaction. Key strengths identified in the 2024 Scorecard results include continued overall satisfaction holding steady at 90%, as well as an appreciation for GLWA’s communication and member outreach program, responsive and knowledgeable team members, and water quality.

To end the year on a celebratory note, members were encouraged to participate in a “holiday spirit” contest which had great participation (see below).

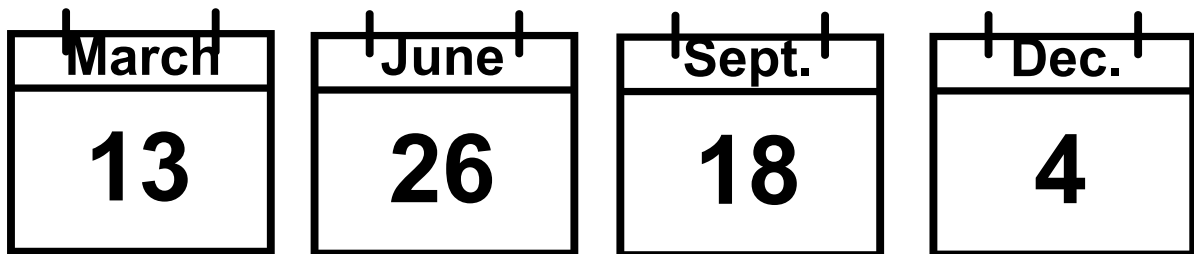
PLANNING SERVICES (continued)



*A few of the spirit contest participants (left to right):
Kevin Johnson, Ryan Ferrell, Michael Way*

The 2025 One Water Partnership meetings have been scheduled, so please mark your calendars!

2025 One Water Partnership Meetings



Wastewater Analytics, Planning & Metering (WwAPM)

The WwAPM group supported Member Services, System Resiliency, and the United States Army Corps of Engineers in their hosting of five public engagement meetings across the service area in December. These meetings provided a platform for participants to share their flooding-related experiences, observations, concerns, and ideas, contributing to the development of the project’s scope of work. The discussions were vibrant and insightful, reflecting a broad spectrum of perspectives. We extend our gratitude to all attendees for their valuable input!

In addition, the WwAPM group, in collaboration with the new sewer metering consultant Wade Trim, prepared the draft Fiscal Year 2024 Flow Balance. This document will be distributed and presented at the January 24th Wastewater Analytics Task Force meeting, with finalization anticipated in the first quarter of 2025. Questions and comments are welcome both during the presentation and throughout the review period.

PLANNING SERVICES (continued)

The Flow Balance serves as a critical input to the Finance Department’s triannual Sewer SHARES update process, which currently uses flows that span Fiscal Years 2014 through 2023.

Water Analytics, Planning & Metering (WAPM)

The WAPM group is actively working with the City of Dearborn and its consultant, OHM Advisors, to develop Dearborn’s wholesale water metering plan. This effort builds upon the transmission main metering plan established under Phase 3 of the Units of Service study for GLWA’s non-master metered customers and the System Water Audit Study. Technical meetings to advance the plan began in November 2024 and are ongoing with biweekly sessions aimed at refining and implementing the metering strategy.

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 January.

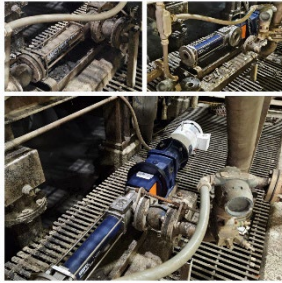
Maintenance

The uninterruptable power supply (UPS) that serves the Ovation Controls and Monitoring for Complex II Incineration was faulted. Without a proper operating UPS to provide backup in the event of a loss of normal power, the Incinerators would automatically transfer to main stack operation, which would bypass the Scrubber Pollution Controls of the Incinerators, contributing to a potential violation of the Clean Air Act. The Asset Management team, led by *Team Leader Ray Zdonkiewicz*, performed extensive troubleshooting and determined the root cause to be a faulted connector. With assistance from the Process Automation and Controls Systems (PACS) team, the faulted connector was removed, and the UPS was put into service utilizing a spare connector.



Left: Team Leader Ray Zdonkiewicz indicating the location of the faulted UPS connector. Right: connector removed from the UPS above.

WASTEWATER OPERATING SERVICES (continued)



The old BFP 16 polymer pump, the polymer pump in the process of replacement, and the new polymer pump are fully installed – photos shown above

The Dewatering Team performed a replacement of the Belt Filter Press (BFP) 16's polymer pump. In this application, a progressive cavity pump is used to pump sludge at a constant flowrate for proper mixing with the sludge to produce an ideal sludge cake. Over time, the internal element of the progressive cavity pump will wear, limiting the ability of the unit to provide a constant flowrate at the required volume. This pump replacement will assist Operations in producing an ideal sludge cake with BFP 16.

The Facilities Team worked on a variety of clean-up projects around the site over the holiday period. They focused primarily on outdoor areas, but also performed clean-up in the old Centrifuge Building, where they now store their equipment. These efforts better the housekeeping conditions of the WRRF, minimize potential tripping and fall hazards, and improve the working environment for team members and contractors on-site. This continuous effort by the Facilities Team provides a positive example for other teams in enhancing the 5S condition of plant grounds.



Before and after photos of the old Centrifuge Building shown in the top photos. Before and after photos of the area around the Complex II Incineration loading dock are shown in the bottom photos.

Laboratory



The above photo shows Crew 2 Refresher Training for Colilert18

The two dayshift Laboratory crews received a refresher training for Fecal Coliform analysis from our IDEXX Laboratories representative. This training was especially helpful for new team members that have only recently been introduced to the method and have not experienced many wet weather events yet. The WRRF Laboratory only performs this analysis on samples from the Combined Sewer Overflow (CSO) basins when they are discharging.

The Laboratory is also happy to report that most of the chemists that recently took their D license exam have already received their certifications. That is a 27% increase in licensed chemists in the WRRF lab.

WASTEWATER OPERATING SERVICES (continued)



GLWA successfully recruited *Kevin Bracco* Laboratory Technician (shown left) to the WRRF Laboratory team. Kevin has been supporting the Laboratory performing sampling and analyzing process samples. Kevin has also taken on voluntary projects, such as providing a spreadsheet to calculate expected sample volumes that make it easier for the sampling person to evaluate proper dispensing of the composite samplers; and developing a sampling map with routes for the sampling person.

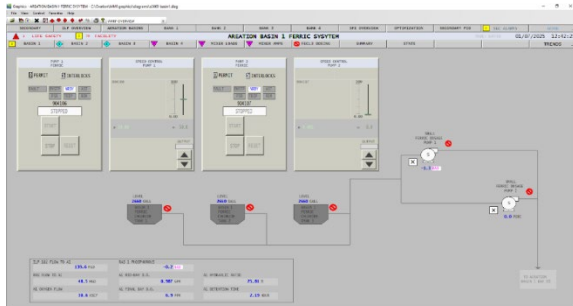


Sampling morning route is shown in the photo above

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

In advance of upcoming renovations to the third floor of the WRRF's New Administration Building, the OT team worked to prepare office space on the second floor for the team's needs. This involved significant planning to ensure available network connections and workspaces necessary to accommodate all required control system monitoring desktops and controls engineering workstations.

The first few team members have relocated to the second floor, with the rest of the team expected to relocate within a few months.



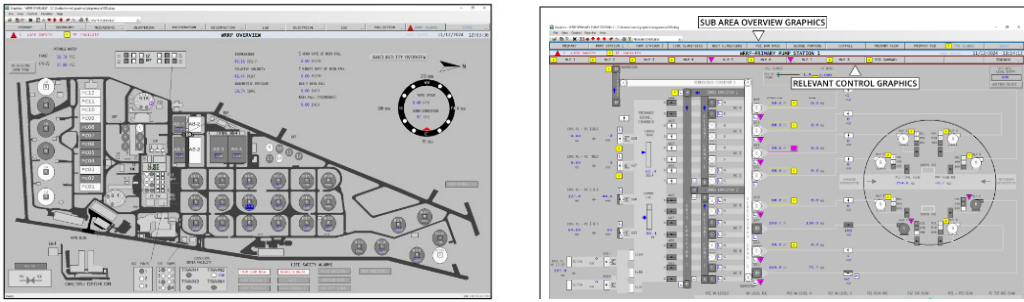
New Pilot Ferric Chloride Dosing Control Graphic shown in the photo above

In the coming year, multiple GLWA sites will adopt high-performance control system graphics. To facilitate this transition, the OT team is working to prepare interactive online training modules that will be coupled with in-person classroom sessions. The modules will introduce operations and maintenance staff to the high-performance graphics and provide details on all new control and monitoring functions.

High-performance graphics conform to modern control system standards, which include logical alarm prioritization based on process or safety impact, elimination of eye-fatigue causing and distracting elements such as blinking indicators or moving animations, organized navigation between screens, minimal use of color for normal conditions, and designation of specific colors for alarm conditions.

The OT team will finalize the online modules within the coming weeks and begin to host in-person training sessions in early 2025.

WASTEWATER OPERATING SERVICES (continued)



Example Screens from the High-Performance Graphics and Alarming Training Modules shown in the above photos.

Industrial Waste Control (IWC)

Publication was made on December 13, 2024, for the GLWA (Pretreatment) Rules and Pretreatment Program. A permit modification process for 228 permits has been initiated with a target issuance date of February 3-7, 2025. In accordance with the GLWA rules, a draft permit is issued with a 30-day comment period, followed by final permit issuance with a 20-day appeal period. Progress will be reported in future reports.

The United States Environmental Protection Agency Region V has requested additional information for the application regarding the PFAS Compound Study Community Grant. The request for information includes budget clarifications, consultant request for proposal documents, before finalizing approval but indicated the submission was otherwise substantially complete. A draft consultant request for proposal is expected during January 2025.

A mediation conference held on December 6, 2024, regarding the pursuit of relocation costs from the Michigan Department of Transportation resulted in both parties rejecting the mediator proposal.

Engineering And Construction Wastewater Projects in Design or Miscellaneous

Wastewater Projects in Construction

CIP Design

CIP216008, Contract No. 2000970 – Screened Final Effluent (SFE) Pump Station Rehabilitation
This is a progressive design-build project to replace the SFE building and equipment. The new SFE system will give the WRRF redundancy for sources of utility water, improving the resilience of the facility. GLWA and the contractor have negotiated the cost and scope of the second phase, which includes completing the 60% design and constructing the new equipment and building.

The contract amendment for the second phase was approved at the November Board of Directors meeting and is in the final stages of execution. Construction is planned to begin in late 2025.

WASTEWATER OPERATING SERVICES (continued)

CIP 222001, Contract No. 2304897 – Northwest Interceptor (NWI) to Oakwood CSO Sewer (NOCSOS)

The notice to proceed occurred on October 14, 2024. Easement acquisition continues with most of it now being complete. Construction of the office and laydown area for the diversion chamber and launch shaft is beginning.

CIP 260201, Contract CS-168 – Rehabilitation of Conveyance System Interceptors and Trunk Sewers

The one-year warranty inspections of the rehabilitation of Outfall B-39 and the rehabilitation of the Northwest Interceptor (NWI) are the two tasks now remaining under CS-168. Warranty inspections of the Outfall B-39 are soon to be scheduled and the warranty inspections of the rehabilitated NWI will be in the fall of 2025.

CIP260210 - 2201041 - Ashland-Linwood-Lonyo-2nd Av-Shiawassee (ALL2S)

The design of the proposed work on these five sewer sections is at 100%. The future construction projects are broken into two separate projects. The Lonyo sewer is its own project with an Engineer Estimated Opinion of Project Cost of \$26.87M. The Lonyo sewer project has an estimated three years of work to complete with two permanent access hatches and debris removal being planned from Patton Park starting in 2026. The Lonyo sewer project is on schedule to be out for public bids starting in March 2025. The other four are an estimated \$13.66M in work and more in line with other sewer rehabilitation project scopes starting in 2027 with bidding occurring in March 2026. Public outreach has begun for all five projects.

CIP 260619, Contract No. 2004538 – St. Aubin, Leib and Seven Mile Combined Sewer Overflow (CSO) Instrumentation and Control (I&C) Replacement

This design-build (DB) project will replace the end-of-life control system with a new Ovation control system at three CSO facilities. Construction activities at St. Aubin continues with the start of instrument replacements for during the first full week of January and continuing over the next couple of weeks. Transition to the new Supervisory Control and Data Acquisition (SCADA) system will begin to take shape by the middle of January, with the current expectation to be fully transitioned in February. Leib SCADA system and instrument replacements expected to follow shortly after the St. Aubin transition is complete. On January 2, 2025, GLWA met with upper management from the Design Build Team to discuss the overall project delay and generation of the recovery schedule. Additional conversations will take place in the week of January 20, 2025.

CIP 261001, Contract No. 2301547 – Rehabilitation of Secondary Clarifiers

This project is focused on overhauling the secondary clarifiers at the WRRF. Contract 2301547 covers inspection of six clarifiers and design to rehabilitate two of those six. This is the first phase in rehabilitating all 25 secondary clarifiers at the WRRF.

WASTEWATER OPERATING SERVICES (continued)

The project includes improvements to mechanical systems, structural parts, control systems, and the site itself. Hazen and Sawyer was selected as the design engineer for this work based on their qualifications. As some repairs were found to be more urgent than others, they were moved into separate design contracts to expedite the work. GLWA is negotiating the scope and cost of Contract 2301547 with Hazen and Sawyer to account for these changes.

CIP261001, Contracts 2201974 and 2302068–Rehabilitation of Secondary Clarifiers, Engineering Services at the WRRF for Upgrade of B-Houses and Emergency Process Mechanical Improvements)

Both contracts with Arcadis are for critical repairs to the WRRF secondary clarifiers. Contract 2201974 covers the design of piping and meter rehabilitation, while Contract 2302068 focuses on the design of critical mechanical improvements. Initially, these repairs were part of a more comprehensive rehabilitation project for the secondary clarifiers (RFP-2301547). However, due to their urgency, they were separated into a smaller project to expedite completion. Arcadis has finalized the designs for both contracts and is integrating the results into a single construction scope, which is expected to go out for bid in early 2025.

CIP 270006, Contract 2200061, Design Services of CSO Facilities Improvements II

This project optimizes disinfection and screening at St. Aubin, addresses fall protection safety requirements at all 9 CSO facilities and rehabilitates architectural deficiencies at all nine CSO facilities. GLWA received the 100% deliverable in December 2024 and is currently in review.

CIP 273001, Contract No. 2103225 – Hubbell Southfield CSO Facility Improvements

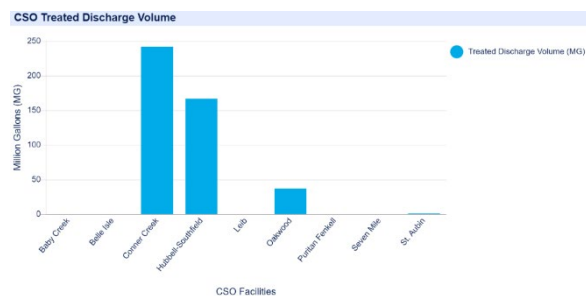
60% Design review comments workshop was conducted on December 2, 2024, between GLWA and Wade-Trim (WT). WT is working towards the 90% design documents due for GLWA’s review in April 2025.

Combined Sewer Overflow (CSO) Control Program

CSO Operations, CSO Maintenance, CSO Conveyance

CSO Operations ended 2024 with a wet weather event. There were seven out of nine facilities that were active, capturing CSO; four of those facilities discharged. Team members were dispatched ahead of the incoming storm, on stand-by, based off the predicted precipitation amounts.

- Conner Creek – 241.9 MG
- Oakwood– 37.4
- St. Aubin – 1.1 MG
- Hubbell Southfield – 167 MG



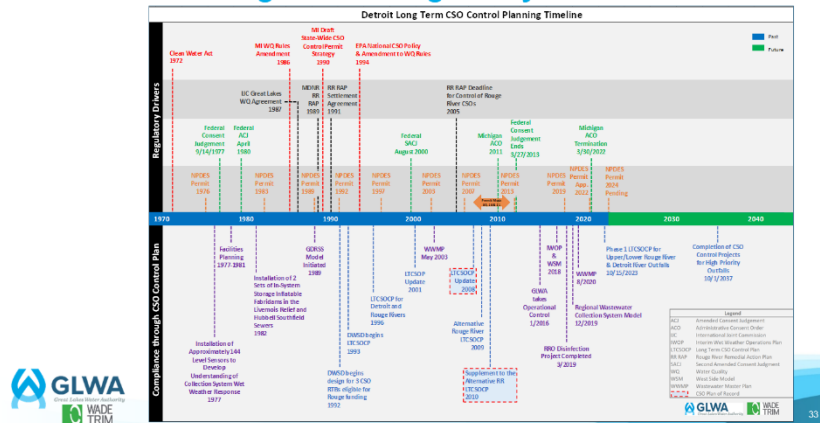
WASTEWATER OPERATING SERVICES (continued)

The final Conveyance System workshop was conducted, which discussed the following topics:

- Consolidated Annual Reports
- CSO Program Evolution and regulatory compliance requirements timeline
- Regulatory negotiations
- Collection System Level Sensor Improvement Program
- Sewage Pump Station Level Sensor Testing and Verification Program
- CSO QA/QC Quarterly Meetings
- Main ongoing sewer rehabilitation projects
- City of Detroit and GLWA sewer system interactions

Team members from Wastewater Conveyance, the WRRF, Operations and Maintenance and the Laboratory, as well as Engineering participated. All six workshops are available via SharePoint to GLWA team members. The Conveyance Team will use these workshops as a training tool for any new onboarding team members. The slide below is a display of the combined sewer overflow program's evolution from its inception through current day, and into the future.

CSO Control Program and Regulatory Evolution Timeline



WATER OPERATIONS AND FIELD SERVICES

Water Operations

Water Works Park Water Treatment Plant

2024 Hypochlorination Season's End

Water Works Park, Springwells, and Northeast Water Treatment Plants have successfully completed the hypochlorination of the Belle Isle Intake. The hypochlorination process began on November 9, 2024, and ended on November 23, 2024.

WATER OPERATIONS AND FIELD SERVICES (continued)

Chemist Team Leader Wajid Khan supervised a 15-person crew (some newly trained) comprised of Water Technicians, Chemists, Maintenance Technicians, and Electrical Instrumentation Control Technicians-Instrumentation. These crew together diligently worked 12-hour shifts, 24 hours a day, seven days a week, for two weeks to maintain productivity during the hypochlorination process. When temperatures reach 10°C or less, the zebra mussels spawn. By

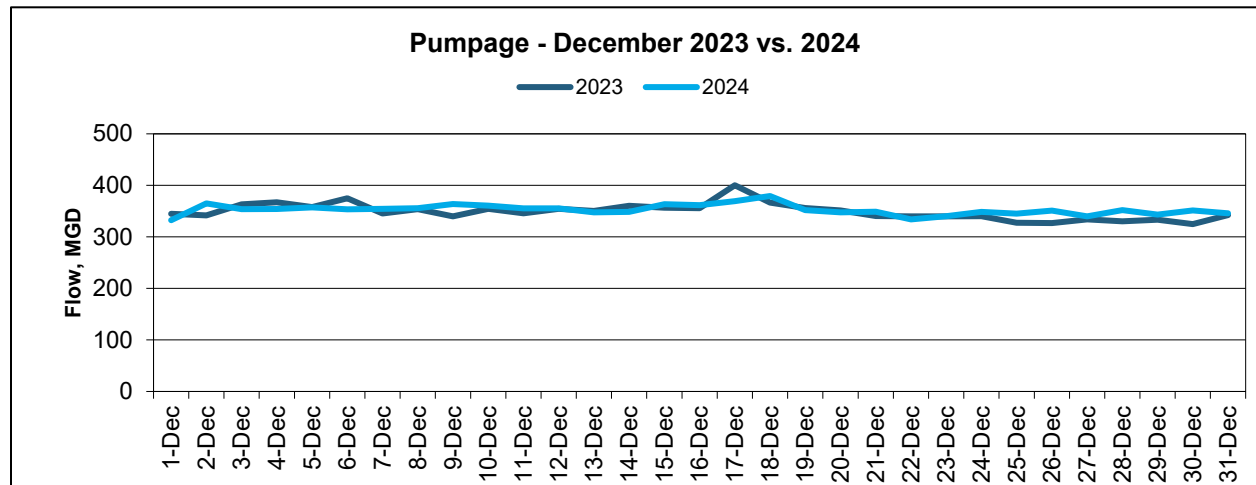


Belle Isle Intake

feeding hypochlorite into the Belle Isle Intake, the mussel population was controlled and kept the intake from becoming clogged. With continued helpful teamwork, we look forward to another successful hypochlorination season of the Belle Isle Intake next year.

Systems Control Center

There was an 1% increase in December 2024 pumpage compared to December 2023



Engineering

Water Engineering Active CIP Project Status

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

Project Manager: Pete Fromm

This construction project is 100% complete. The new 54-inch transmission main has been installed, and the connections to both the 8 Mile Road transmission main and the Haggerty Booster Station have been completed. The new 54-inch transmission main is currently undergoing pressure testing, disinfection, and bacteriological testing.

WATER OPERATIONS AND FIELD SERVICES (continued)

Final punch list items for surface restoration (roadway) are being completed on Meadowbrook Road, between 12 Mile Road and 13 Mile Road, in the City of Novi. Final testing of the control valve station at the Haggerty Booster Station has also been completed.

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

Project Manager: Brian VanHall

This project at Lake Huron Water Treatment Plant adds three pumps that are each rated for 20 million gallons per day, a 72-inch flow meter on the south high lift header with an 84-inch butterfly valve for isolation, 16-inch flow metering for process water usage by the plant, blowoff on the south high lift header, infrared heating within the pump building on the south side, and a replacement valve actuator on the 84-inch butterfly valve on the north high lift header. Construction for the south header improvements are complete. 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, which started in September 2024, 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.

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

Project Manager: Corey Brecht

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

South Dequindre Road was restored in October 2024, approximately five months ahead of schedule. 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.

WATER OPERATIONS AND FIELD SERVICES (continued)

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

Project Manager: Corey Brecht

This contract is a material purchase with Northwest Pipe Company for the 96-inch spiral welded steel pipe. Currently, Northwest Pipe Company is fabricating and delivering Phase II pipe for the contractor involved with Contract No. 2300600. All pipes have been delivered to the site.

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. The 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 was advertised. 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.

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.

WATER OPERATIONS AND FIELD SERVICES (continued)

The Basis of Design Report for the High Lift Pump Station has been reviewed and returned, and the 30% design package was received in July 2024. The Basis of Design Report for phosphoric acid improvements has also been received and incorporated into the High Lift Pump Station project. The high lift pumping and phosphoric acid improvements projects may be combined and modified to achieve overall cost savings on this 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.

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

Project Manager: John McCallum

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

WATER OPERATIONS AND FIELD SERVICES (continued)

All 10 reservoirs have been inspected, and as-built documents are being prepared. The contract had one change order for additional resident project representation services. The project remains on budget and is ahead of the contract final completion schedule.

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

Project Manager: John McCallum

This low bid project is to clean and rehabilitate 10 finished water reservoirs based on the design package provided in Contract No. CS-151A. It started in November 2019 with punch list items currently wrapping up. The project remains on budget and is ahead of the contract final completion schedule.

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

Project Manager: John McCallum

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

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

Project Manager: John McCallum

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

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.

WATER OPERATIONS AND FIELD SERVICES (continued)

Site civil work for the new electrical duct banks and pier footings for the utility bridge has been completed. The utility switchgear, located south of the existing emergency generators, is scheduled for delivery in December.

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

Project Manager: Mike Dunne

The project goals are to increase air exchanges and improved distribution of fresh air in areas of the plant that are susceptible to an accumulation of off-gassing from treatment chemicals. To achieve these goals, the existing heating, ventilation, and air conditioning (HVAC) systems will be demolished, and replacement and additional HVAC systems will be installed. The new HVAC systems consist of gas fired makeup air units, exhaust fans, ductwork, natural gas piping, ventilation control panels, electrical power, ambient air monitors and associated appurtenances. Construction crews have placed and commissioned all HVAC units in the north chemical, flocculation/sedimentation, and ozone areas. In the south end of the plant, crews have erected scaffolding in the aluminum sulfate bulk storage room and the fluoride storage room. In those rooms, structural, electrical, mechanical and roofing modifications are being made to accommodate new HVAC units and ductwork. All new HVAC units have been installed with startup and commissioning activities to follow.

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

Project Manager: Mike Dunne

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

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

Project Manager: Tim Kuhns

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

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

Project Manager: Pete Bommarito

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

WATER OPERATIONS AND FIELD SERVICES (continued)

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

Project Manager: Pete Bommarito

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

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

Project Manager: Mike Garrett

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

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

Project Manager: Tim Kuhns

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

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. Project mobilized on March 4, 2024. The first basin, Basin 1B, has been completed and turned over to Southwest plant staff.

WATER OPERATIONS AND FIELD SERVICES (continued)

Project is in a delay period, waiting on the sludge contract to be able to complete 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.

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

Project Manager: Michael Garrett

The project is nearing the end of the construction phase. Project involves new reservoir pumping facility as well as new reservoirs and improvements to various existing yard valves. Startup and training have begun. Testing of new facilities and equipment 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.

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

Project Manager: Jorge Nicolas

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

OFFICE OF SYSTEM RESILIENCY (OSR)

Energy Management

The OSR's Energy Management team continued its rate study with DTE to ensure that GLWA facilities are in the correct rate classification. DTE has a variety of rate classes, regulated by the Michigan Public Services Commission, and charges can vary based on peak power usage, in addition to the fixed and commodity charges. GLWA and DTE are reviewing the rate classifications of our major facilities to confirm that each facility is in the most economical rate class based on its actual electrical consumption.

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 has received three proposals for engineering support to provide in-kind contributions for this study and is currently in the selection process, which will include oral interviews. Please check out <https://glwater.bonfirehub.com> reference number 0000348 for more information.

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

Resiliency Summit

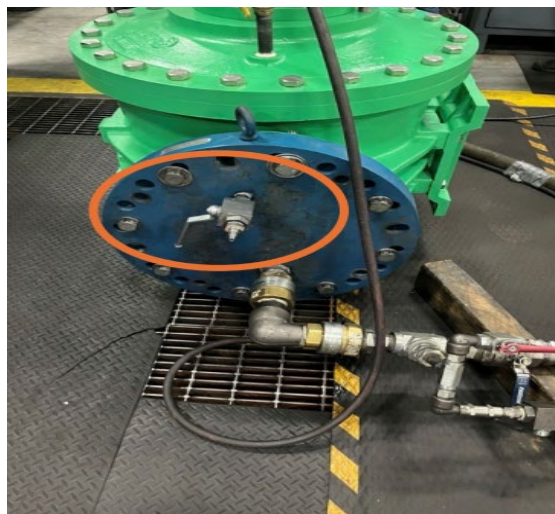
OSR continues to collaborate with several University of Michigan offices to design and deliver an educational summit on power and water resiliency in the utility space. The effort will have participation from DTE, Consumers Power, and ITC, and our CEO Sue Coffey will be one of the featured speakers to kick-off the summit. The dates are February 13th and 14th, 2025, on UM's Ann Arbor Campus. If you are interested in attending or are just looking for more information, please reach out to Todd King. The session on February 14th has been filled. There are still openings for the February 13th session. You can register at <https://urbanlab.umich.edu/electric-water-utility-resilience-summit/>

Operations & Resiliency

Tom Hall, Director Operations & Resiliency conducted witness testing of two cone valves at the Dezurik facility in Minnesota. These valves are used for throttling service within the GLWA Transmission system and therefore have duty and performance requirements as compared to gate and butterfly valves which we use for on and off service.

SYSTEM RESILIENCY (continued)

The two-day testing program provided for shell testing at 300 pounds per square inch (psi) and seat testing at 150 psi. Minor issues were addressed by the factory and will allow for the valves to be commissioned in the field with fewer issues when they arrive at the GLWA facility.



Seat Test (Cone Valve 2, tested from opposite side of actuator-to-actuator side)

INFORMATION TECHNOLOGY

IT Security

In the past month, the IT Security team has proactively blocked or thwarted 56,201 spam messages, 127,831 spoofed messages and 47 viruses. Additionally, 8,181 phishing attempts have been caught, and 6,494 malware attempts have been blocked.

INFORMATION TECHNOLOGY (continued)

IT Business Productivity

The IT Business Productivity Systems team, in collaboration with Organizational Development and Finance, decommissioned our legacy Human Resources Information System (HRIS) and Learning Management System (LMS) that were replaced by Workday in the last year.

The team continues to extract, organize, and store data and records from these systems. This will allow us to access important team member information and records over the required retention periods.

IT Enterprise Asset Management Systems

The IT Enterprise Asset Management Systems Team along with our consultant partner, NEXGEN, and GLWA's Enterprise Asset Management Group continue to stabilize NEXGEN Enterprise Asset Management (EAM) now that it is live. On-site and remote support and refresher training continue to be provided to enhance the adoption of the new system. Assets and preventive maintenance programs continue to be improved in NEXGEN based on feedback from Operations & Maintenance teams. Integrations with Workday, GIS, WAMR, eFleets, and several other systems are being stabilized and enhanced. We have had over 750 team members sign into and use NEXGEN since go-live on November 4, 2024!

The IT Enterprise Asset Management Systems Team along with our consultant partner, Kahua, and GLWA's Enterprise Asset Management Group are kicking off the Project Management Information System (PMIS) implementation in January. Kahua PMIS will help GLWA manage its Capital Improvement Program (CIP) including the CIP plan and engineering and construction project management. Contracts with Kahua for the PMIS implementation and software-as-a-service subscription were executed in late December. The Project Readiness phase will begin with a series of kickoff meetings and discovery workshops in early February. In the meantime, the Project Management Team (PMT) is meeting regularly to confirm project goals and form the implementation teams and expectations. In addition, the PMT is compiling and reviewing existing artifacts with the Kahua implementation team such as GLWA's Capital Improvement Program (CIP) Project Management Plan (PMP) that will inform requirements gathering, business process development, and configuration of the Kahua system.

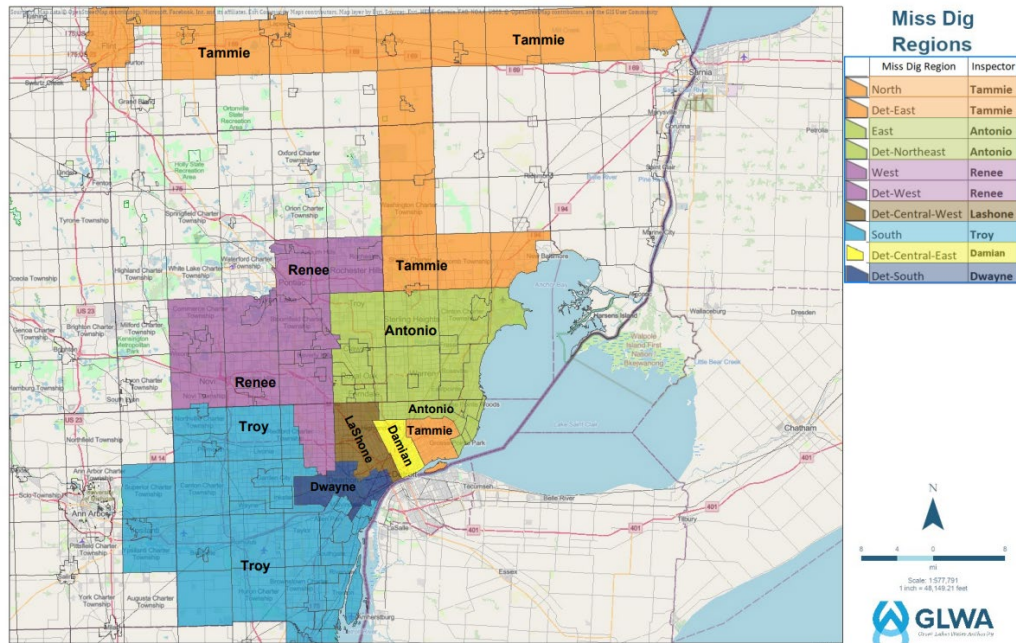
INFORMATION TECHNOLOGY (continued)

IT Customer Service Delivery

The IT Customer Service Delivery Team in collaboration with the IT Infrastructure Team, the IT Project Management Office, the Facilities team, the Water Transmission System team, and our Industrial Networking Solutions (INS) vendor, completed a project to enhance the cell signal and increase the data speed of the Wi-Fi hotspots on our phones and tablets by installing cell phone boosters in some GLWA vehicles. This project proved successful by improving the Utility Review and Permits (URAP) Inspectors ability to connect their laptop, phone, and tablet devices to the Internet and GLWA network while out in the field promoting their completion of their MISS DIG locate requests.



The map below shows the regions that the URAP Inspectors cover in completing their MISS DIG-related work and need a cell signal throughout.



The Information Technology Group will continue working with the Facilities Team and other GLWA teams to improve device connectivity in all GLWA vehicles thus strengthening team members' abilities to do their work.

INFORMATION TECHNOLOGY (continued)

IT Project Management Office (PMO)

Currently, the IT PMO is managing 20 active projects and is processing three project requests. The PMO is also assisting with 21 initiatives.

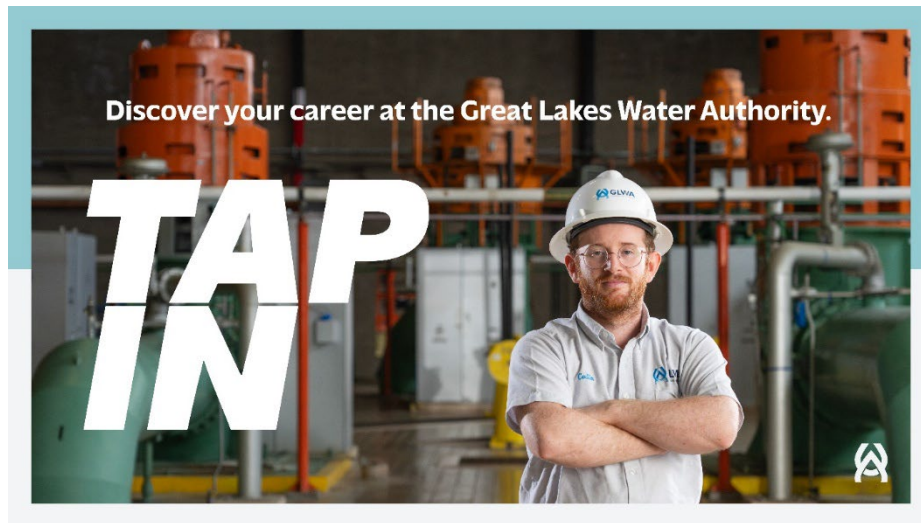
PUBLIC AFFAIRS

TAP IN 2.0 Recruiting Campaign Update

The TAP IN 2.0 recruitment campaign wrapped up on December 31, 2024. It proved to be another incredible campaign for GLWA! Here are the final numbers:

- Video views (not including theatres or Comcast): 500,000+
- Trackable impressions: 4,400,000+

Click [HERE](#), to view the commercial.



This image is one of many being used to support the TAP IN campaign on GLWA's social media outlets.

Connecting Future Leaders: Young Professionals Networking Event

In December, the Public Affairs (PA) team orchestrated a vibrant networking event for our Young Professionals group, hosted at Water Works Park. Attendees were not only able to engage in enriching discussions with their peers, but also received a professional headshot, courtesy of the PA team, to bolster their professional profiles. Through events like these, GLWA continues to invest in its future, ensuring that its young professionals are equipped with the relationships and resources needed to thrive in their careers.

PUBLIC AFFAIRS (continued)

A Message of Gratitude and Hope: Celebrating Our Ninth Year Together

The Public Affairs Creative Services team partnered with CEO Sue Coffey to record holiday messages for GLWA team members and member partners. In the video, Sue highlighted the successful close of the organization's ninth year, emphasizing the collective effort and dedication of the team in achieving our shared mission



to protect those we serve. She also acknowledged the challenges faced, praising the team's passion and spirit which have strengthened both the organization and the communities we support. It concludes with warm wishes for a joyful holiday season and a new year filled with love, peace, and happiness.

You can watch the team member video by clicking [HERE](#).

Celebrating Water and Wastewater Professionals

Water and Wastewater Professionals Week, observed from December 9-15, offered a heartfelt opportunity to acknowledge the indispensable efforts of our dedicated team members. Spearheaded by the Public Affairs team, a video was also produced, serving as a special thank you and a means to publicly showcase the dedication and expertise of water and wastewater professionals. Also, in a touching tribute, the Board of Directors proudly presented a resolution honoring the invaluable contributions of our water and wastewater professionals. Team members also shared inspiring photos, capturing the camaraderie that drives our mission forward.



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

PUBLIC AFFAIRS (continued)

Freud Community Engagement Event Fosters Dialogue on New Sanitary Pumping Station Improvements

Last month, the quarterly Freud Community Engagement Event took center stage at East Lake Baptist Church, bringing together residents and stakeholders to discuss the new Freud Sanitary Pumping Station Improvements. Organized with the support of the Public Affairs team, the event served as a vital platform for fostering community dialogue and addressing concerns. The Public Affairs team played a pivotal role in ensuring the event's success by setting up and managing the technical aspects, welcoming attendees with warm hospitality, and moderating a lively question and answer session.

GLWA and USACE Host Successful Public Workshops

In an effort to enhance regional flood management, GLWA collaborated with the United States Army Corps of Engineers (USACE) in hosting a series of five public workshops focused on the comprehensive regional Flood Study. These workshops were strategically designed to engage community members, stakeholders, and local authorities in meaningful discussions about flood risks and mitigation strategies. The GLWA's Public Affairs team played a vital role in supporting the Resiliency Team, ensuring that the workshops were informative and accessible to all participants.

During the sessions, attendees were presented with detailed findings from the Flood Study, which highlighted vulnerable areas and potential interventions to bolster flood resilience. Participants were encouraged to share their experiences and insights, fostering a collaborative environment where diverse perspectives could contribute to more robust flood management solutions. By partnering with the USACE, GLWA continues to advance its mission of safeguarding water resources while prioritizing public safety and environmental sustainability.

Spreading Holiday Cheer

In the spirit of giving and community support, we proudly partnered with the Judson Center for our annual Holiday Wish program, bringing warmth and happiness to many during the festive season. Led by the Public

Affairs team and driven by the collective kindness and generosity of GLWA team members, we successfully raised a remarkable total of \$2,915.



PUBLIC AFFAIRS (continued)

The funds raised played a vital role in fulfilling holiday wishes, ensuring that families and individuals facing challenges could experience the joy and hope that the holiday season brings.

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 150 hours of training during the month and also completed 150 total training hours for the Security and Integrity group for the month of December.

The group conducted a Cyber Tabletop Exercise at the Springwells Water Treatment Plant in addition to an after-action hotwash with WRRF staff regarding the fire emergency of December 6.

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

ORGANIZATIONAL DEVELOPMENT

Performance Team

Performance

The Mid-Year Performance Review for union team members opened on Wednesday, December 4, 2024. There were 462 Union Mid-Year Performance Reviews successfully launched in Workday. The Mid-Year Performance Review is an opportunity for Leadership Team Members and union Team Members to discuss goal progress.

Internship

Organizational Development announced plans for the 2025 Summer Internship Program. GLWA has employed 47 interns over the past three summers. In 2024, three interns were offered and accepted full-time employment with GLWA. For the 2024 program, 11 internships were extended beyond the summer program.

Interns by Group	#
Chief Financial Officer Services	1
Energy, Research & Innovation	6
Office of the General Counsel	1
Organizational Development - Talent Management	2
Wastewater Operations - Combined Sewer Overflow	1
Total Interns	11

Current Interns

ORGANIZATIONAL DEVELOPMENT (continued)

Apprenticeship



GLWA had 47 apprentices at the conclusion of 2024.

Apprenticeship Program	#
Electrical Instrumentation Control Technician - Electrician	14
Electrical Instrumentation Control Technician - Instrumentation	16
Maintenance Technician	1
Water Technician	16
Total Apprentices	47

Current number of Apprentices in each program

Outreach Initiatives and Events

On Thursday, December 12, 2024, the Performance Team attended Fordson High School's Mock Interviews to help prepare students for college and career interviews.

2024 Grant Summary

GLWA received \$26,00 in funding in 2024 to support the apprenticeship program:

- GLWA received \$24,000 in grant funding from Focus: HOPE as a fulfillment of the Michigan Industry Cluster Approach (MICA) 3.0 grant. Since the MICA 3.0 grant's inception, GLWA has received total funding of \$35,000. The grant awarded \$1,000 per apprentice to offset the cost of apprenticeship training. The MICA 3.0 grant ended in April 2024.
- GLWA received \$2,000 in grant funding from Detroit Employment Solutions Corporation (DESC) to offset the cost of apprenticeship training.

Organization	Grant Funds
Focus: HOPE	\$24,000
DESC	\$ 2,000
Total	\$26,000

ORGANIZATIONAL DEVELOPMENT (continued)

Benefits and Wellness

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

Mental Well-being

GLWA Men's Health Initiative



On December 6, 2024, 49 men met for the GLWA Men's Health Initiative at Central Services Facility (CSF) for a time of sharing and encouragement. GLWA's own Walt Davis, Deputy Chief Security and Integrity Officer, took time out of his busy schedule to speak to the group. He engaged the group and challenged them to be a better version of themselves, protect their peace, and goal setting for 2025.

Ashifali Saiyad, Team Leader at the Northeast Water Plant, led the group in team-building icebreaker activities where teams were given a time limit to build the tallest free-standing tower.



Thank you to Curtis Burris-White, Management Professional, Public Affairs, and Terry Daniel, Deputy Chief Operating Officer, Water Operations, for leading the initiative and being ambassadors of wellness.

ORGANIZATIONAL DEVELOPMENT (continued)

Wellness Wednesday Meditations

Held Wednesdays at noon, GLWA team members participated in December meditations led by the Blue Cross Blue Shield of Michigan (BCBSM) well-being team. Each session focused on providing GLWA team members the ability to release tension, find a place of calm, and focus on the things you are grateful for. December topics included:



“Gratitude”
“Easing Anxiousness”
“Calming the Mind”

Physical Well-being

BCBSM Virtual Well-Being Webinars



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

- Winter Fitness Fun
- Connect with Others for a Healthy Holiday Season
- Meditative Glitter Jar Workshop

Financial Well-being

Retirement Planning Education Series



MissionSquare retirement plan specialist met with 11 team members over two days to review their retirement goals and portfolio performance during one-on-one consultations.

The Water Board Building hosted the MissionSquare Retirement Education on-site lunch and learn seminar for 33 team members on December 17, 2024.

Benefit and Wellness Education

One Water Wellness Office Hours

102 team members were able to meet one-on-one for assistance with benefits, retirement, Family Medical Leave Act (FMLA), and wellness resources.

ORGANIZATIONAL DEVELOPMENT (continued)

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

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



BENEFITS AND WELLNESS QUESTIONS???

Your One Water Wellness Team



Cynthia Offutt



Lesley Williams



Au Lisa McGovern



Morgan Mindingall



Sherrian Greenwood

Training

During December, 21 instructor-led training courses were delivered to 145 GLWA team members, totaling 118 instructor-led training hours. For NEXGEN Training, nine courses were completed by 11 GLWA team members, totaling 15 training hours. In addition, 57 online self-paced training courses (e.g., KnowBe4) were completed, totaling 44 self-paced training hours. Also, 66 GLWA team members completed 40, 360Water online courses.

Talent Management

Staffing

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

Number of New Hires	7
Number of Separations	9
Total Staffing – Regular FTEs (YTD)	1069
Total Staffing – Part-Time (YTD)	11

FINANCIAL SERVICES AREA

December 2024 Audit Committee Recap

The December 2024 regular monthly Audit Committee meeting was cancelled and rescheduled for Friday, January 6, 2025.

FINANCIAL SERVICES AREA (continued)

The GLWA Audit Committee binders are publicly available at www.glwater.org/financials/. The meeting included the following topics:

The following reports were received and filed:

- ✓ Proposed FY 2026 & FY 2027 Biennial Budget and Five-Year Plan
- ✓ Status of FY 2026 Cost-of-Service Analysis
- ✓ Affordability & Assistance Update
- ✓ Gifts, Grants & Other Resources Report
- ✓ Procurement Pipeline

Affordability & Assistance Update

As 2024 came to a close, the Affordability & Assistance team observed a steady increase in the number of residents within the GLWA service area applying for and enrolling in the Water Residential Assistance Program (WRAP). Our service delivery partners are effectively utilizing funds from the Local Water Utility Assistance (LWUA) grant provided by the State of Michigan to secure additional resources, which ensures that households continue to receive the assistance they need by supplementing the WRAP funding.

In December, during the State of Michigan's congressional lame-duck session, we received updates on the status of the Water Affordability bill package championed by Senator Stephanie Chang. Despite the dedicated efforts of the water affordability workgroup and many stakeholders across the state, the bill package did not advance. We are honored to be part of this initiative as it fostered collaboration among a diverse group of stakeholders. We look forward to continuing to be engaged on this important issue.

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.

Michigan Women in Finance becoming National Chapter with Women in Public Finance

Alicia Schwartz, Grants Manager, is the immediate past president of Michigan Women in Finance (MWIF) and presented an opportunity to the MWIF Board to become a national chapter with Women in Public Finance during her presidency. In early December 2024, the MWIF Board voted in the affirmative to become a national chapter.

The Michigan Women in Finance was founded in 2002. This new alliance will move the organization forward to a national stage. MWIF has been a gold standard in state organizations for women in finance. The MWIF has provided countless opportunities including connections among issuers, bankers, legal counsel, trust officers, and others to gain insight into the marketplace while expanding both personal and professional networks.



FINANCIAL SERVICES AREA (continued)

While current events will continue, the vote to expand to a national chapter will give members additional opportunities that were previously not available.

Alicia has been on the board for six years and is thrilled to be part of this historical event with MWIF. She will continue working closely with both MWIF and Women in Public Finance as they look to finalize the official documentation and approval.

Procurement Update

The December 2024 Procurement Pipeline is attached. This month's Pipeline also includes a list of upcoming solicitations.

OFFICE OF THE GENERAL COUNSEL

Legislative Updates: The Office continues to support GLWA's legislative relations efforts.

Gordie Howe International Bridge: GLWA filed a notice of claim with the Court of Claims related to its relocation claim. Discovery continues in this matter through January and depositions are being scheduled. The Court entered a Stipulated Scheduling Order and Mediation was conducted for ½ day on December 6, 2024. While the parties did not settle, each agreed to receive a mediator's proposal from Federal Magistrate Mona Majzoub. Both parties rejected the mediator's proposal on or before the deadline of December 13, 2024. The parties are proceeding with the few remaining depositions prior to the close of Discovery.

June and July 2021 Rain Events: The Office is providing legal support in response to the significant rain events in June and July 2021. Recently, the trial court dismissed most of the lawsuits against GLWA based on governmental immunity. The Plaintiffs are appealing the decision, and oral arguments are currently scheduled for January 7, 2025. The Court recently dismissed an additional lawsuit related to the July 2021 storm event. The Plaintiffs are also appealing that decision. 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 the Dearborn representatives on December 16, 2024, to discuss negotiations on the terms of a Water Service Contract. Our internal GLWA team is considering various aspects of the matter and will be scheduling a follow-up meeting with the City of Dearborn in the near future.

Highland Park Settlement Agreement: On February 14, 2024, the GLWA Board voted to approve of the settlement agreement in final (or next to final) form. On March 18, 2024, the Highland Park City Council unanimously approved the Settlement Agreement between GLWA and the City.

OFFICE OF THE GENERAL COUNSEL (continued)

When the Settlement Agreement is fully executed, the trust incorporated as a part of the Settlement Agreement is funded, and initial distributions from the trust are received, the Highland Park litigation will be closed. The trust has been funded and the initial distributions from the trust have been received.

On June 10, 2024, the following Stipulated Orders were submitted to the Court: a stipulated order to dismiss the 2014 case; a stipulation for dismissal of the 2023 appeal from the 2014 case; a stipulated order for dismissal of the 2020 case; and a stipulated order for release of the cash bond to GLWA in the federal case. As of this reporting, all Stipulated Orders have been entered by the courts, and the cash bond in the federal case has been returned to GLWA. The parties, along with the Michigan Department of Environment, Great Lakes, and Energy continue to meet and discuss metering. Construction of the water meters is planned to begin next month with two of the three meters anticipated to be completed by the end of April 2025. Discussion regarding the temporary sewer metering is ongoing.

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 model contracts.

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 attended NACWA's 2024 Pretreatment Virtual Workshop. Additionally, OGC staff participated in the Great Lakes PFAS Summit and Cyber Incident Response and Resilience for the Water Sector webinar hosted by EGLE

Federal Grants and Contracts: The OGC has commenced a checklist of the necessary changes that GLWA must make to its policies, standard operating procedures, and federal contract exhibits in compliance with the new Uniform Grants Guidance, which has become effective October 1, 2024. Implementation of these checklist items have commenced.

Industrial Pretreatment Program ("IPP") & Industrial Waste Control Group (IWC): The Office continues to provide assistance on PFAS and PFOS matters. The *2024 Updated IPP Rules* were approved by the Board on November 21, 2024. The Office is also consulting on an IWC Appeal from Fiat Chrysler Automobiles (FCA), regarding a violation notice issued by GLWA IWC. Pursuant to the IPP Rules, a Conciliation meeting with FCA was held on November 8, 2024. Discussions are ongoing.

OFFICE OF THE GENERAL COUNSEL (continued)

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

Member Outreach: The Office continues to be an active participant in Member Outreach sessions.

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

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

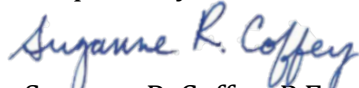
Labor Relations: The Office continues to provide legal advice to Organizational Development on labor relations and employment matters.

Procurement: The Office continues to assist GLWA's Procurement Team negotiate contracts, change orders and amendments and interpret contractual provisions. The Office is also assisting with the Procurement Policy's Procedures and updating GLWA's template contracts. 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:	30
Contracts drafted or revised:	104
Subpoenas/Information requests received:	1
Subpoenas/Information responded to:	1

Respectfully submitted,


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

SRC/dlr

Attachment: December 2024 Procurement Pipeline

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

GLWA's 2024 Vendor Outreach Event – Post Event Survey Results are in!

To gather important feedback about GLWA's 2024 Vendor Outreach event, a post-event survey was distributed to all vendor attendees and the results are in! Overall, GLWA's event was very positively received by the Vendor Community with 93% of vendors evaluating the event as excellent or very good and 73% indicating that it exceeded their expectations. Additional statistics gathered in the post-event survey results are included below.

- 95% vendors noted that they were either extremely likely or very likely to attend future GLWA Vendor Outreach events.
- 90% vendors reported the registration process was excellent or very good.
- 90% vendors reported that the duration of the outreach event was about right.
- 70% vendors noted they were either extremely comfortable or very comfortable asking questions during the event and praised the approachability and knowledge of GLWA team members.

One of the goals of GLWA's annual event is to foster vendors feeling confident and informed about how to do business with GLWA as well as navigate our procurement process. Over 80% of survey respondents indicated that they are now more likely to respond to a GLWA solicitation after attending the outreach event and 70% indicated that they were confident they could do business with GLWA.

In addition, very positive feedback was received for GLWA's innovative general session panel which featured a discussion with five GLWA prime contractors who provided detailed information to attendees about how they select their

subcontractors. Survey respondents also cited GLWA's commitment to ethics and transparency in public procurement as well as their focus on small businesses among the valuable things they learned at the outreach event.

Constructive suggestions and feedback were also received from the Vendor Community, including which topics it would be helpful to include or feature in more depth, and these will be incorporated at future GLWA outreach events. GLWA thanks the Vendor Community for their time and feedback and looks forward to next year's event!

Virtual Vendor Introduction Meetings

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

Keeping up with GLWA

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

What's Coming Down the Pipe?

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

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

Visit GLWA online!

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

Upcoming Solicitations December 2024

Category	CIP #	Description/Project Title	Budget Estimate
Water System (next four to nine months)			
Construction	111001	Lake Huron Water Treatment Plant – LH-401 Switchgear and Low Lift Improvements	\$100,000,000
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
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	\$3,300,000
Construction	260210	Lonyo Sewer System Rehabilitation	\$24,000,000
Construction	273001	Hubbell Southfield CSO Facility Improvements	\$56,000,000
Construction	270004	Oakwood and Leib CSO Facilities Improvement	\$50,000,000
Construction	213006	WRRF Improvements to Sludge Feed Pumps at Dewatering	\$16,000,000
Water System (next three months)			
Design	113010	Southwest WTP Flocculation Improvements	\$4,933,000
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
Professional Services	O&M	Task Order Engineering Services 2025	\$15,000,000
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
Professional Services	O&M	Crane Rental and Maintenance	\$900,000
Construction	112007	Structural Repairs, Northeast Water Treatment Plant	\$6,000,000
Professional Services	O&M	Staffing Services	\$750,000
Professional Services	O&M	Consulting services related to the issuance of bonds or state revolving fund loans	\$850,000

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

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