Office of the Chief Executive
735 Randolph Street, Suite 1900
Detroit, Michigan 48226

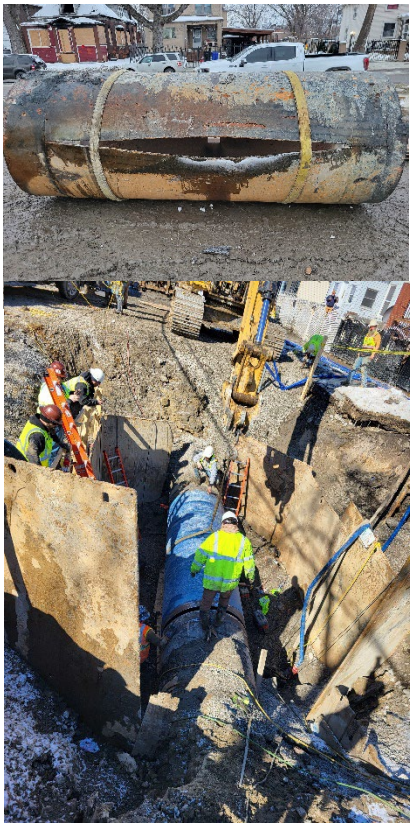
February 26, 2025

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – February 26, 2025

Chairperson Miller and Directors,

As you know, in the early morning hours of Monday, February 17, 2025, a 54-inch water transmission main ruptured flooding a roughly one-square mile area around the intersection of Beard and Rowan Streets in Southwest Detroit.



GLWA was notified of the break by the Detroit Water and Sewerage Department (DWSD) at roughly 4:00 a.m. Within the hour, our Field Team was on-site assessing the situation, and by 7:00 a.m., Field Service crews and contractors were on the scene working to isolate the break. Within another hour they had achieved primary isolation of the break, and the water began receding.

Over the course of the next 48 hours our crews dewatered and excavated the area around the break. And within 72 hours, approximately 12-feet of the damaged 54-inch steel pipe was removed and a replacement segment of pipe had arrived on-site in preparation for the repair process to begin the next day.

The repair is now well underway, and we expect it to take until at least the week of March 3, 2025, to complete the process.

I want to thank our team members, our partners at DWSD and the city of Detroit, as well as the first responders from our surrounding counties for their tireless efforts and work to protect the lives of the nearly 400 homeowners and residents in the break area.

The swift nature of this response would not have been possible without us all working side by side to make it happen. I am grateful for your partnership and the speed with which we have been able to begin to assist those who were so majorly impacted by this tragic event.

GLWA and DWSD have agreed to pay residents for uninsured damage to their homes caused by the impact of the break. Each organization will cover 50 percent of the total cost of damages that are submitted and approved.

I wanted to highlight a number a resiliency focused items that I believe are important for GLWA moving into the future. First, as I mentioned last month, we held a very successful Electric-Water Utility Resilience Summit in partnership with the University of Michigan at their Ann Arbor campus. Despite extreme weather conditions from a large snow event, the day and a half summit was very well attended. As a part of the first day's opening session, I along with representatives of DTE Energy, ITC and Consumers Energy, gave remarks on the meaning of resiliency to our individual organizations. This really was an excellent opportunity to further our partnership with both the university, as well as the electric utilities.

Second, I wanted to give you a brief update on the status of the Southeast Michigan Flood Mitigation study that we are partnering on with the U.S. Army Corps of Engineers. I am pleased to report that our workplan has received initial approval from the Army Corps' Vertical Planning Team and has been advanced up the chain for further approvals. Also, after a robust request for proposal process, GLWA has selected an engineering support vendor and has begun negotiations to bring them on-board.

Our Research and Innovation team has initiated the second phase of its hydrothermal liquefaction (HTL) assessment and evaluation project, which is a part of our ongoing evaluation of new and emerging biosolids treatment technologies. This technology converts biosolids to a crude biofuel product. The second phase of the U.S. Department of Energy-funded project began with the recent arrival of the hydrothermal liquefaction pilot trailer at GLWA's biosolid drying facility, and visits to the trailer by two stakeholder groups who have similar, efforts, and programs to help address and manage urban waste streams. You can find photos of the trailer and more information on the stakeholder meetings in the Research and Innovation report on page 20.

Staying in the wastewater area, I am pleased to report that Organizational Development has received approval from the U.S. Department of Labor (USDOL) on a new Wastewater Systems Operation Specialist Apprenticeship. This is GLWA's fifth Department of Labor approved apprenticeship, and it will be used to train future Plant Technicians for the Water Resource Recovery Facility.

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

First, I would like to acknowledge Water Technician Apprentice Cleve McCree and Maintenance Technician Apprentice Peggy Kellie for completing their apprenticeship programs. A big congratulations to them both on their achievement, and a hearty welcome to the (full-time) team as they have accepted full-time positions with GLWA.

Next, I would like to congratulate the Public Affairs Team, as well as Water Operations for recently being selected by the National Association of Clean Water Agencies to receive a National Environmental Achievement Award in the Public Information and Education category for the "Freshwater to Drinking Water: A Splash Course in the Treatment and Distribution Process," which explores the processes, technology, and individuals behind the clean and safe drinking water running from your tap.

Finally, I am pleased to say that Cheryl Porter, our Chief Operating Officer, Water and Field Services and current President of the American Water Works Association and Board Member and DWSD Director Gary Brown were two of seven water professionals highlighted as *African American Leaders Transforming the Water Sector,* in the January/February issue of the prestigious Journal AWWA magazine. This recognition is an incredible honor for them both and reflects so well on our region that of the seven individuals spotlighted, two of them are from right here in southeast Michigan. Well done, Cheryl and Gary!

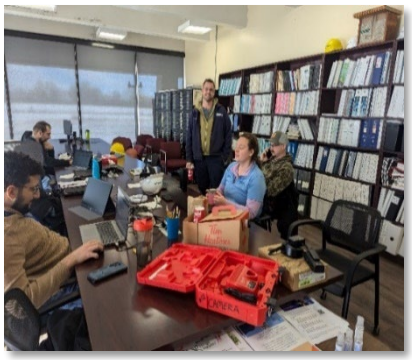
PLANNING SERVICES

Enterprise Asset Management Group (EAMG)

The EAMG remains focused on the cleanup and enhancement of NEXGEN, GLWA's enterprise asset management software. Key areas of improvement include:

- Collaboration with GLWA groups to develop tailored preventive maintenance templates, including tasks, checklists, work frequencies, inspection and data collection forms. Additionally, updated workflows are being created to improve safety and work management processes.
- Development of dashboards to facilitate rapid data analysis and decision-making.

These efforts will strengthen GLWA's preventive maintenance programs and establish a robust, long-term data integrity platform, enabling more informed asset management decisions.



EAMG team members working at the Lake Huron Water Treatment Plant to develop operations workflows and preventive maintenance plans

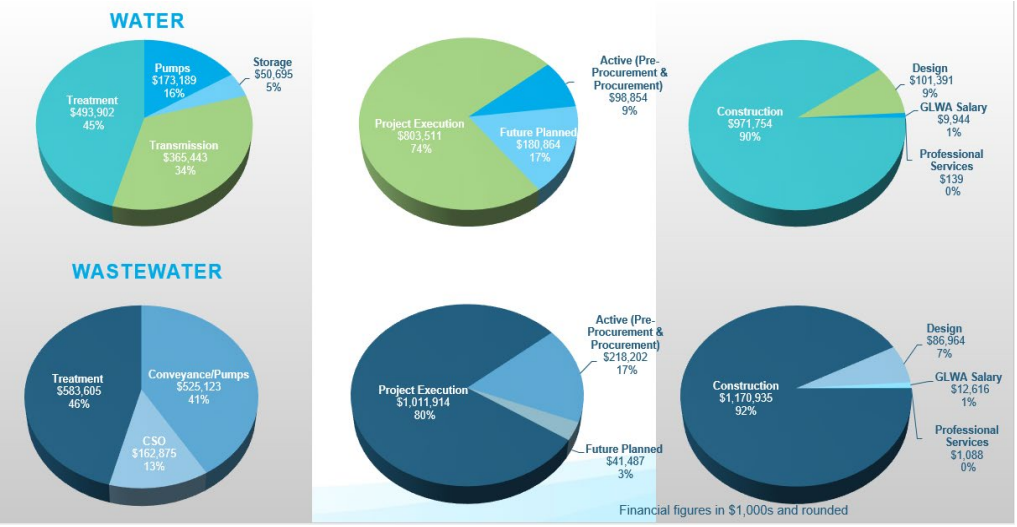
Additionally, EAMG continues planning for the inspection of the 120-inch pipeline from the Lake Huron Water Treatment Plant to the Imlay Booster Pump Station. Scheduled for early spring, this inspection will provide critical insights into the condition of this key transmission main, supporting the development of long-term risk mitigation and prevention strategies.

PLANNING SERVICES (continued)

Capital Improvement Planning (CIP)

The CIP Delivery Team's dedication and hard work over the past eight months led to the successful presentation of the FY 2026-2030 Capital Improvement Plan (CIP) to the GLWA Board on January 22, 2025.

This achievement reflects the CIP Group's commitment to strategic planning and infrastructure investment, as outlined in the plan's statistical overview below:



FY 26-30 CIP STATISTICS

Meeting this milestone would not have been possible without the collaboration and support of GLWA's leaders, project managers and engineers, whose contributions were instrumental in shaping the plan. The CIP Group sincerely appreciates the efforts of all team members who played a role in bringing this initiative to fruition.

Looking ahead, the CIP Group remains committed to optimizing the CIP development and delivery process and enhancing the user experience by streamlining annual development efforts. Work is already underway to refine processes in preparation for the next CIP cycle.

In January, the CIP Group, in collaboration with the Information Technology Group, hosted the Project Management Information System (PMIS) kickoff with our vendor, Kahua. The team is eager to implement PMIS to streamline workflows, improve project management efficiency, and strengthen data accuracy across all functions of CIP delivery.

PLANNING SERVICES (continued)

Additionally, in January 2025, the CIP Group hosted a lunch and learn session for core CIP delivery team members, focusing on the use of forms outlined in the Program Management Plan (PMP). The session highlighted Chapter 5, "Cost and Schedule Management Forms."

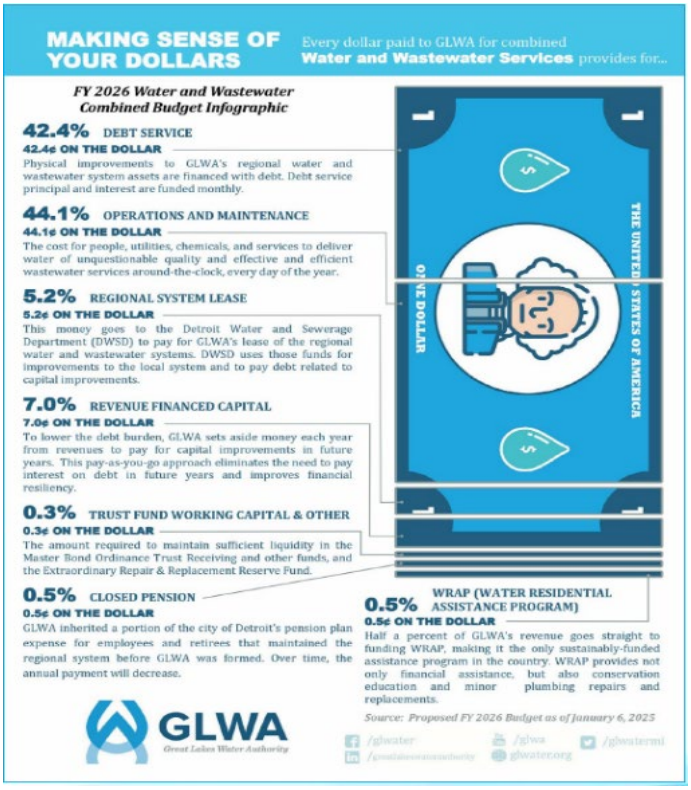
January Lunch and Learn "Use of PMP Forms"

To further support PMIS implementation, the CIP Group extended an offer for the Applications Analyst position in January. The candidate accepted and is set to begin in February.

Member Services Group

The annual Charges Rollout #3 (Proposed Revenue Requirements) and Charges Rollout #4 (Review of Charges Content) meetings for Fiscal Year 2026 were held virtually on January 9th and 16th, respectively.

Each meeting began with opening remarks from GLWA CEO, Sue Coffey, followed by installments of the "Charges 101" series presented by GLWA's Matt Lane which provided context for each meeting's central topic. Roll Out meeting #3 featured an update from GLWA's Chief Financial Officer (CFO), Nicolette Bateson, and Financial Services Manager, Cindy Cezat, on the proposed FY 2026 and FY 2027 water and wastewater biennial budget and five-year financial plan.



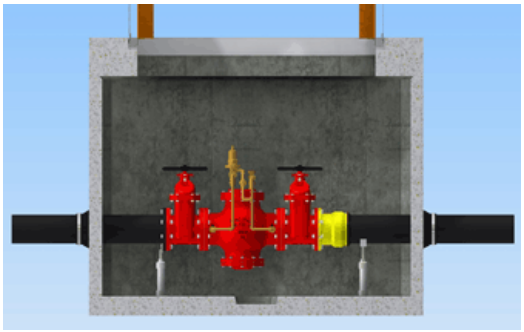
Infographic distributed as part of the Charges Rollout Meeting Materials outlining FY26 budget allocations

PLANNING SERVICES (continued)

Their presentations covered revenue requirements including rising costs for utilities, chemicals, and operations, and the impact of inflation and supply chain challenges on commodity costs. Next, Matt Lane presented the FY 2026 Cost of Service Study which continues the use of the simplified water charge methodology that includes three cost pools (10% commodity, 50% maximum day, 40% peak hour), and a "delivery factor" representing the influence of distance and elevation units of service. He also provided an overview of wastewater charges and upcoming plans for a Wastewater Think Tank which will review technical data and assess the potential impacts of adding peak flow as possible allocation factor.

Charges Roll Out Meeting #4 continued with a presentation from the Willdan Team—including Jeff McGarvey, Jason Gray, Kevin Burnett, and Michael Cronin—on the Cost of Service Study and Charge Calculation Worksheets. This was followed by Matt Lane's summary of key themes from the 11 one-on-one meetings conducted with Member Partners. Next, CFO Nicolette Bateson reviewed key takeaways from the FY 2026 budget and charges rollout, highlighting uniform charge adjustments for nearly all Member Partners, the impact of the 4% promise on double-digit cost increases since 2020, and the critical need to address deferred maintenance. With the completion of Charges Roll Out Meetings # and #4, the Charges Rollout meeting series for FY 2026 has concluded.

The **Water Analytical Work Group (AWG)** met virtually on January 14th to discuss regional water system updates, Pressure Reducing Valve (PRV) maintenance, and Flint's water system improvements.



Pressure Relief Valve in a vault image

GLWA's Water Analytics, Planning and Metering Director, Chandan Sood, provided updates on the water metering improvement program, noting that 58-meter pits are scheduled for rehabilitation. Discussions with Highland Park continue regarding permanent meter installation, with two master meters expected by April 2025. Mount Clemens is also advancing its plans for connecting to the GLWA system, with construction planned for Fall 2028.

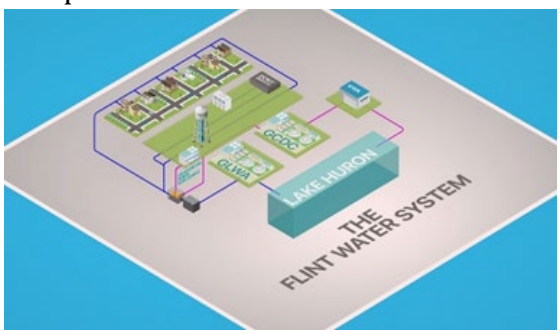
Water Engineering Director, Tim Kuhns shared that GLWA is evaluating adjustments to the maximum day and peak hour determination methodology for 2026 contract reopeners. A small group of Member Partners has been reviewing alternatives, with recommendations expected by September 2025.

Systems Control Manager, Anthony Troy led a discussion on PRV maintenance, highlighting GLWA's operation of eight PRV chambers with biannual preventative maintenance.

PLANNING SERVICES (continued)

Member Partners shared best practices, emphasizing the importance of routine inspections, vendor collaboration, and operational monitoring. The group also recommended GLWA to host a PRV workshop to continue discussions and best practices.

Scott Dungee, City of Flint, detailed Flint's water system upgrades, which include a backup water supply, reservoir and pump station rehabilitations, a new chemical feed building, an upgraded elevated storage tank, and advanced water quality monitoring. A newly developed animated video of the Flint water system can be accessed at: www.cityofflint.com/progress-report-on-flint-water.

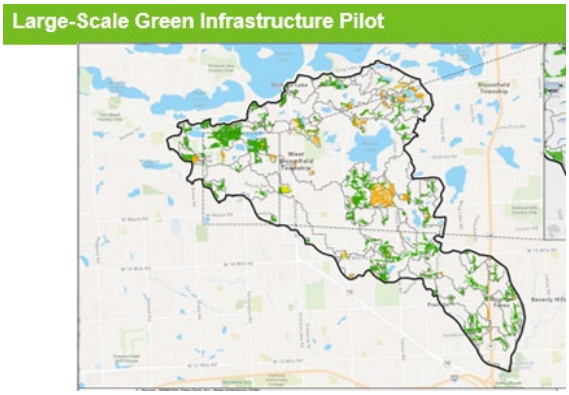


Layout of the City of Flint Water System

AWG members reviewed 2025 topics, including system pressures, meter changeouts, emergency response planning, and lead and copper rule compliance. GLWA will host a Regional Water System Workshop on March 5th.

The **Watershed Hub Work Group** met virtually on January 22nd.

The meeting began with a presentation from Rachael Barlock of the Southeast Michigan Council of Governments (SEMCOG) about their recently launched Regional Resiliency Improvement Plan.



SEMCOG map depicting potential green infrastructure locations; a component of their Regional Resiliency Improvement Plan.

Next, the group reviewed the Regional Water Quality Monitoring Program, implemented in partnership with the United States Geological Survey (USGS). While some in-situ monitoring continues if rivers are not frozen, the full suite of monitoring activities will resume in the spring. Discussion topics included potential analysis that can be carried out using the 2024 data, such as:

- Nutrient loading trend, and
- Assessing Combined Sewer Overflow (CSO) impacts on the Rouge and Detroit rivers.

The group also reviewed the 2024 E. coli grab sampling season data, shared lessons learned, and discussed plans to publish a second annual water quality monitoring report in 2025.

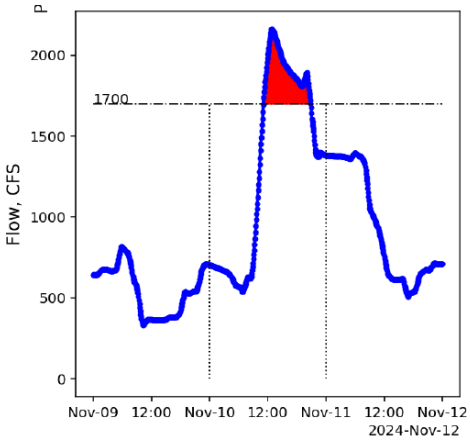
The next Watershed Hub Group meeting is scheduled for March 5th.

PLANNING SERVICES (continued)

Wastewater Analytics Task Force (WATF) meeting was held at the University of Michigan Detroit Center on January 24, 2024.

The meeting began with a presentation from Imad Salim (Wade Trim) on the Annual Flow Balance Report, which compiles data from 33 points within the regional system and the Water Resource Recovery Facility, differentiating between sanitary and wet weather flows, and dry weather inflow and infiltration.

Next, GLWA's Wastewater Analytics, Planning and Metering Director Kevin Jankowski presented the Annual Exceedance Report outlining the process for reviewing, notifying, and potentially mitigating wastewater contract exceedances.



Graph demonstrating an example of an exceedance from Kevin Jankowski's presentation on GLWA's Exceedance Process.

Erika Campbell (Detroit Water and Sewerage Department - DWSD) followed with a presentation on DWSD's perspective on the Annual Flow Balance Report, and the effects on CSO volumes when using the DWSD all-pipes model to remove contributions from outlying areas around the city.

The final presentation for the WATF came from Todd King (GLWA Chief Resiliency Officer) who provided an update on the U.S. Army Corps Southeast Michigan Flood Study. GLWA's Resiliency Group plans to engage the region on a conceptual model to support decision-making that will identify projects to reduce flooding.

The WATF was directly followed by the Model Users Group (MUG), which is a WATF subgroup that seeks to provide a collaborative forum for GLWA and Member Partners to evaluate regional modeling processes, procedures, standards, and simulations.

The next WATF is scheduled to take place on March 21, 2025.

On January 29, the **Wastewater Best Practices Work Group** (WWBP) met at the Department of Natural Resources Outdoor Adventure Center in Detroit.

The meeting began by reminding Members of the timeline for the group's annual report to the Michigan Department of Environment, Great Lakes and Energy (EGLE), which is scheduled for submission in March as part of National Pollutant Discharge Elimination System permit requirements.

Next, members shared their experiences from recent storm events, discussing challenges and key takeaways.

PLANNING SERVICES (continued)

Following this, Steven Eick (EGLE) led a training session on CSO reporting requirements and how to fulfill them using MiEnviro, the State's online regulatory database. The session covered:

- Defining CSO facilities and, types of discharges,
- Rules and reporting requirements,
- A live tutorial on submitting a Report of Discharge form.

The meeting concluded with a collaborative discussion to brainstorm topics for the remainder of the 2025 WWBP meeting series.

Steven Eick of EGLE provides training on how to use the MiEnviro online reporting database.

The next WWBP meeting is scheduled for April 2, 2025.

Water Analytics, Planning & Metering (WAPM)

The WAPM Group continues to advance its wholesale water meter pit rehabilitation and meter replacement program. This initiative includes construction work at 67-meter pits with metering and/or meter pit condition concerns, with a targeted completion of October 2028.

In the past month, coordination meetings were held with the City of Allen Park, Brownstown Township, Clinton Township, and the City of Gibraltar. To date, work has been successfully completed at seven of the meter pit locations, with ongoing construction at three additional sites. In addition to the contracted meter upgrades, the WAPM Group also self-performed a meter upgrade at the City of Allen Park (AP-08) last month.

Wastewater Analytics, Planning & Metering (WwAPM)

In January, the WwAPM Group welcomed two new Management Professionals, Thomas Treacy in Wastewater Planning, and Kassam Ajami in Wastewater Meter Operations. Thomas will assist in managing planning projects such as the Biosolids Feasibility Study, while Kassam will manage the sewer metering program including calibration, maintenance, replacement, design, and construction activities.

The WwAPM Group introduced the Draft Fiscal Year 2024 Flow Balance Report at the January 24th Wastewater Analytics Task Force meeting. GLWA is requesting Member Partner review and provide comments by March 28, 2025. The final report is expected to be completed by April 15, 2025.

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 with exceptions listed below.

The total suspended solids for monitoring point 049A primary effluent (PE) monthly average was 75 mg/l, in excess of the limit of 70 mg/l, and carbonaceous biological oxygen demand for this monitoring point was 44 mg/l, in excess of the limit of 40 mg/l. Results from January 31, 2025, were elevated in these two parameters, which likely reflected "first flush" conditions after nearly two weeks with no PE discharge.

Michigan Water Environment Association (MWEA) and Water Environment Federation (WEF) Membership Program, offers memberships to GLWA Team Members and Member Partner Communities for both organizations. Being a member of both organizations, provides an opportunity to continue to advance the mission of GLWA to provide clean, safe and sustainable water services to the communities it serves.

Thus, the membership costs are covered by GLWA. This is a groundbreaking initiative as GLWA is the first utility organization to initiate a collaboration of this kind.

More information can be found here: https://shorturl.at/oOuQL

Maintenance

The Primary Team is working on making improvements to the final train in Pump Station 1 Rack and Grit. These improvements include the replacement of the drive shaft, sprockets, bearings, and chain for Bar Rack #3 and the replacement of the chain, buckets, bearings, and sprockets in Grit Collector #3. The replacement parts are made with better, more resilient, materials which will improve the reliability of the equipment and prevent breakdowns during wet weather conditions. Due to the material upgrades, the Primary Team is currently working on a plan to reassess the shear strength of the shear pins for the associated equipment to see if the strength can be increased to prevent spurious failures of the shear pins.

The new drive shaft, sprockets and chain on Bar Rack #3 and the buckets and chain are being prepared for Grit Collector #3

WASTEWATER OPERATING SERVICES (continued)

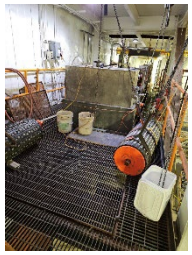
In addition to replacing the major mechanical components of Grit Collector #3, the Central Maintenance team also replaced the mounting panels for the electrical controls for Grit Collector #3. Due to age and the environment, the supports for the panel were rusting at the base and contributing to potential instability of the panel. The proactive replacement of the mounting panels mitigates a potential future hazard and improves the housekeeping condition of the Pump Station 1 Rack and Grit building.


New mounting panels for Grit Collector #3 electrical controls are shown above

The Incineration Team performed a replacement of the #3 Secondary Water pump. The Secondary Water pumps provide all high and intermediate pressure secondary water to the WRRF. Secondary water is critical for WRRF operations, providing the seal water for all pumps, water for the compressor facility, water for the boilers, among many other functions. Without adequate secondary water flow, the WRRF cannot operate, so it is critical to ensure maximum redundancy of the secondary water pumps is available.

The new Secondary Water pump being hoisted into place for connection

The Incineration Team also performed an urgent replacement of the head pulley for the J-conveyor in Incineration Complex II. The J-conveyor is used to transfer sludge cake from Dewatering Complex II to the south-side incineration conveyors. Without the use of the J-conveyor, the WRRF is limited to utilizing Dewatering Complex I and the north-side incineration conveyor for sludge incineration. This repair was challenging due to the space constraints and location of the head pulley in Incineration Complex II, but the team was able to accomplish the repair in just a few days, completely restoring the WRRF's incineration and dewatering capabilities.

J-conveyor head pulley is removed, and the new head pulley staged for installation as shown in the left and right photos above

WASTEWATER OPERATING SERVICES (continued)

Laboratory

The Laboratory has been working on bringing back gas chromatography-mass spectrometry, developing methods to be able to provide more in-house analysis in support of the Industrial Waste Group. Currently, a small team is working on methods for semi-volatile organic compounds and volatile organic compounds.

Training efforts continue, with new as well as experienced Team Members learning new methods. This month, phosphorus analysis, an analysis performed daily for compliance, and biological oxygen demand analysis, a compliance requirement as well, have been added to our chemists' skill set. Compared to one year ago, all competencies (except for one) showed a significant increase in Team Members trained on a method or process. Tracking this allows the Laboratory to focus more on training needs. The expansion of skill sets allows for more flexibility and resilience.

WRRF Laboratory Chemists traveled on a charter bus with other WRRF Team Members to the Operators Day in Lansing, Michigan co-presented by the Michigan Section – American Water Works Association (MI-AWWA) and the Michigan Water Environment Association (MWEA). The team spent time on the expo floor and returned with many improvement ideas.

Chemist Justin Dzioba at the Joint Expo in Lansing, Michigan

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

The OT/PACS team is conducting a control system upgrade at the Baby Creek Sampling Building. The upgrade includes demolition and removal of the existing remote operator station, network equipment, and control system cabinet. A new network cabinet that will house an updated operator workstation and network devices, has been installed adjacent to a new control cabinet featuring a new process controller and new input/output modules.

This upgrade features a network reconfiguration that will better integrate the Baby Creek Sampling building with the Baby Creek Combined Sewer Overflow facility, improving monitoring and control reliability between the two locations.

The upgrade is expected to conclude in February 2025 after several days of software and hardware testing.

New Network Cabinet (left, devices not installed) and New Controls Cabinet

WASTEWATER OPERATING SERVICES (continued)

The OT/PACS team is in the process of reviewing hardware designs, installation drawings, control logic, and operator graphics for a full replacement of the WRRF boiler control system that provides heating for several buildings at the WRRF. The controls replacement is expected to occur in the summer of 2025.

Industrial Waste Control (IWC)

Permit modifications have been prepared for approximately 215 special investigative unit services to incorporate the local limit changes with mailings that took place during week of February 3, 2025.

A draft request for proposal for consultant services was shared with US Environmental Protection Agency for review in January 2025, and a group meeting took place on February 10, 2025, for the Per- and Polyfluoroalkyl Substances Compound Study Community Grant.

Engineering and Construction
Wastewater Projects in Design or Miscellaneous

Wastewater Projects in Construction

Capital Improvement Planning (CIP) Design

CIP-211005 – Contract No. 2103338 – Pump Station 2 (PS2) Variable Frequency Drives *(VFD) Replacement*
This design project involves replacing the end-of-life VFD for five of the main lift pumps at *PS2,* and replacing four 170V electrical gear, including transformers, that will eventually power all eight main lift pumps. The 95% design review window is complete, and the bid package is expected to be submitted to GLWA by the end of February 2025.

CIP 213006, Contract 2202790, WRRF Improvements to Sludge Feed Pumps at Dewatering Facilities
This project provides upgrades to the Complex A sludge feed handling system at the WRRF. The project recently completed the 90% design workshop, projecting the completion of the design in March 2025.

CIP 216008, Contract No. 2000970/SCN-0000131 – 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 resilience of the facility. GLWA and the contractor, NORESCO, 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 meeting and is in the final stages of execution. NORESCO has begun progressing with the 60% complete design. Construction is planned to begin in late 2025.

WASTEWATER OPERATING SERVICES (continued)

CIP 222001, Contract No. 2304897 – Northwest Interceptor to Oakwood CSO Sewer
The notice to proceed occurred on October 14, 2024. Easement acquisition continues with most of it complete. Construction of the office and the laydown area for the diversion chamber and launch shaft is continuing. The laydown area in Oakwood Heights is having the topsoil removed and placed for three-year storage in the Liddesdale neighborhood.

CIP 260201, Contract CS-168 – Rehabilitation of Conveyance System Interceptors and Trunk Sewers
The warranty inspection of Outfall B-39 within the one-year warranty period for repairs and improvements completed under CON-2100891 is complete. Overall, the work installed under CON-2100891 appeared to be in good condition. Identified minor warranty repairs will soon be completed before the end of the warranty period.

The only remaining task under CS-168 is the warranty inspection of the rehabilitated Northwest Interceptor, which will be conducted in the fall.

CIP260210 - 2201041 - Ashland-Linwood-Lonyo-2nd Av-Shiawassee
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 has an engineer's estimated opinion on project cost of $26.87M. The Lonyo sewer 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 is 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 CSO Instrumentation and Controls 1 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 additional instrument replacements. Transition to the new Supervisory Control and Data Acquisition system is still on track. Leib instrument replacements have begun as well. On January 22, 2025, GLWA met with Leadership Team Members from the DB Team at the WRRF to continue discussions regarding project progress and additional staff that will be coming to Detroit, Michigan to assist with the ongoing construction process. Discussions will continue bi-weekly until July 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.

WASTEWATER OPERATING SERVICES (continued)

This is the first phase in rehabilitating all 25 secondary clarifiers at the WRRF. 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 to separate design contracts to expedite the work. GLWA is negotiating the scope and cost of the contract 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 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 270004, Contract 2101475, Design Services of Oakwood/Leib Improvements

This project provides chemical feeds, a storm pump, and a chemical feed system, and other improvements at the Oakwood and Leib CSO facilities to accommodate future flows being diverted from the NWI and Meldrum Sewers, respectively. The plans and specifications were recently handed off to procurement, and a bid date of February 2025 is being targeted. This project has been awarded funding by the State Revolving Fund and coordination with Michigan Department of Environment, Great Lakes, and Energy is taking place.

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 nine CSO facilities and rehabilitates architectural deficiencies at all nine CSOs. GLWA received the 100% design deliverable, and the construction project will be submitted to Procurement in the early spring of 2025.

CIP 270010 – Seven Mile and Puritan Fenkell HVAC Improvements

This project will design improvements to the heating, ventilation, and air conditioning (HVAC) systems at Seven Mile and Puritan-Fenkell CSO Facilities. This will replace obsolete HVAC equipment as well as bring the system up to current code standards. Design proposals were received at the beginning of February.

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

Progress on the 90% design documents is ongoing, and it is planned that it will be submitted for GLWA's review by April 7, 2025.

<u>WASTEWATER OPERATING SERVICES</u> (continued)

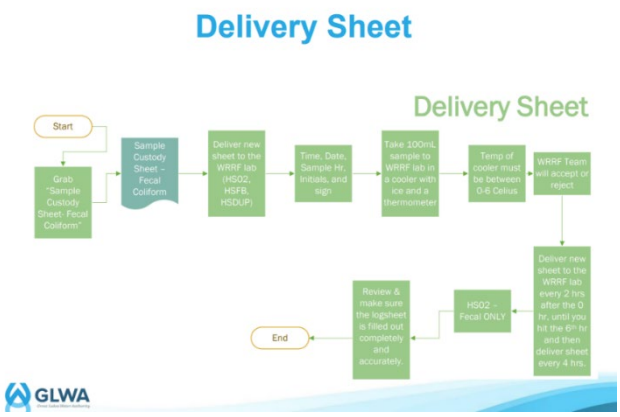
Combined Sewer Overflow (CSO) Control Program

CSO Operations, CSO Maintenance, CSO Conveyance

The Wastewater Conveyance and CSO Team, in partnership with Member Outreach and Bridgeport Consulting, hosted the first Wastewater Best Practices meeting of 2025. The purpose of this meeting was to discuss total residual chlorine minimalization and best management practices in CSO programs. Four CSO Team Members were trained on how to use MIEnviro, a web program to submit reports relating to the National Pollutant Discharge Elimination System (NPDES) permit (discharge monitoring, capture volumes, etc.).

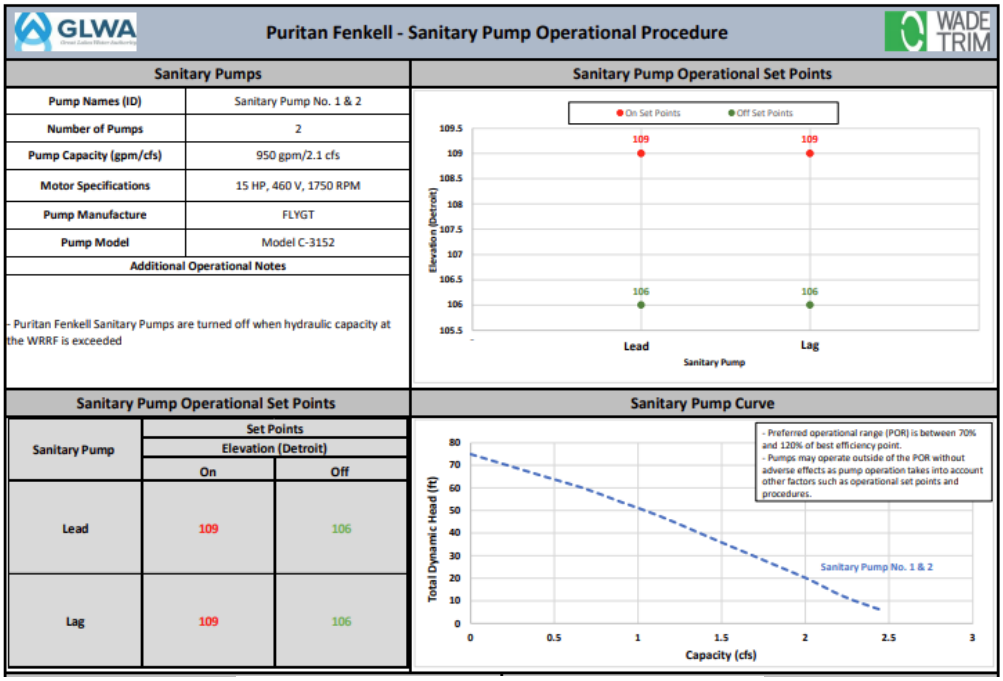
The CSO Team is collaborating with the transformation team to implement 5S, a lean manufacturing technique that helps businesses reduce waste, increase productivity, and improve safety, at all the laboratories in the CSO facilities. The Transformation Team worked with our plant technicians at Hubbell-Southfield CSO to create a directional flow chart of lab procedures. Providing a visual element in the laboratory for Plant Technicians will serve as a guide as well as a reminder of required steps to take regarding calibration, sampling and testing. Recognition and a thank you goes to Angela Fears, Transformation Management Professional who was assigned by Debra Anderson**,** Transformation Team Manager, for her resilient efforts in completing this project. CSO Operations will implement this same method at the other eight CSO facilities.

One of the flow diagrams for the lab process areas is illustrated below.



The description placards are complete and distributed to the various CSO and Sewage Pump Station (SPS) facilities. The placards provide detailed information concerning Operations and Maintenance (O&M) for traveling Operating Technicians, new Plant Technicians as well as visitors. This is also a continued training methodology, being that it provides a visual display in the operating control rooms of desired pumping levels and critical equipment information.

WASTEWATER OPERATING SERVICES (continued)



Puritan Fenkell - Sanitary Pump Operational Procedure

Sanitary Pumps	
Pump Names (ID)	Sanitary Pump No. 1 & 2
Number of Pumps	2
Pump Capacity (gpm/cfs)	950 gpm/2.1 cfs
Motor Specifications	15 HP, 460 V, 1750 RPM
Pump Manufacture	FLYGT
Pump Model	Model C-3152
Additional Operational Notes	
- Puritan Fenkell Sanitary Pumps are turned off when hydraulic capacity at the WRRF is exceeded	

Sanitary Pump Operational Set Points

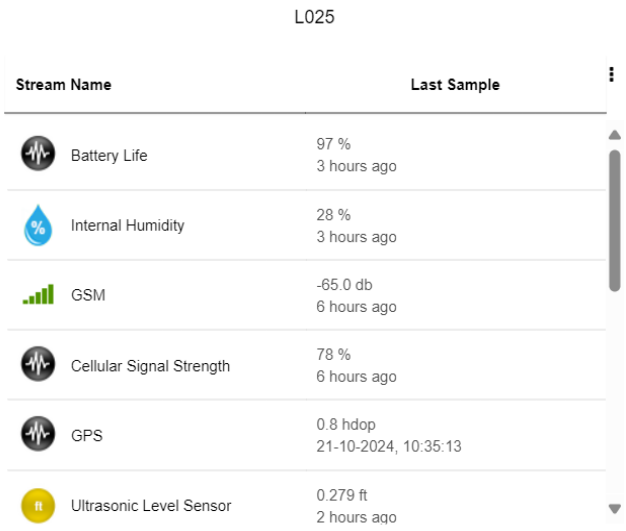
Sanitary Pump Operational Set Points

Sanitary Pump	Set Points Elevation (Detroit)	
	On	Off
Lead	109	106
Lag	109	106

Sanitary Pump Curve

Puritan-Fenkell display placard is shown above

After acquiring all priority two level sensor sites, our team was trained on the cloud-based asset portal for the seven Ayekka Level Sensor priorities. Each priority has a host of level sensors in a designated zone. Ayekka sites are battery powered level sensors that undergo annual and monthly preventive maintenance. The new level sensors are part of GLWA's plan to create a resilient monitoring system, real time as well as recorded time for analysis.



L025

Stream Name	Last Sample
Battery Life	97 % 3 hours ago
Internal Humidity	28 % 3 hours ago
GSM	-65.0 db 6 hours ago
Cellular Signal Strength	78 % 6 hours ago
GPS	0.8 hdop 21-10-2024, 10:35:13
Ultrasonic Level Sensor	0.279 ft 2 hours ago

The team began production on the first of multiple training modules with 360Water. These modules will include processes and procedures for operating our facilities. Also included will be an overview of the station, how flow is diverted to and from the station, and includes high level key points of equipment and their O&M. This project began with Conner Creek pumping station as its first focus. O&M staff discussed the storm and sanitary pumps, the vacuum priming system and the Conner Backwater gates. These videos will be housed on the Wastewater Conveyance and CSO drive for training.

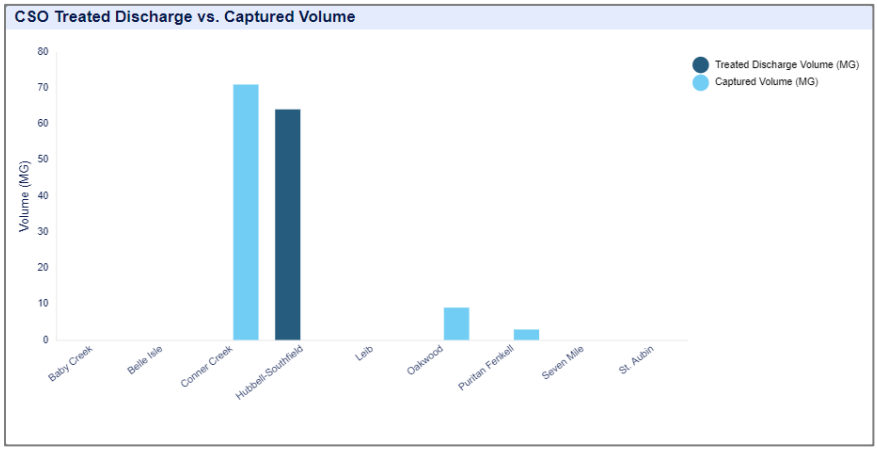
WASTEWATER OPERATING SERVICES (continued)

The Vactor contract has been awarded but not yet executed. This will allow us to perform multiple services for sewage pumping stations, CSOs, and conveyance in remote locations. Anticipated services include sewer cleaning, drain cleaning, wet well cleaning, sewer inspections (camera service), water blasting, and vactoring services. It will also provide all necessary labor, equipment, and materials to complete the services.

Two Team Members completed the Michigan Infrastructure Council's Asset Management Champions Cohort program (David McCord, CSO Director and Rainesha Williams-Fox, CSO Management Professional). They joined a network of talented individuals and organizations to help strengthen and "champion" best practice asset management across Michigan's complex infrastructure environment. A mix of training was completed including group coaching as well as the opportunity to grow their peer networks while gaining industry knowledge. The program supports the statutory responsibilities of the Michigan Infrastructure Council as established in Public Acts (P.A.) 323 of 2018, P.A. 324 of 2018 and P.A. 325 of 2018.

Combined Sewage Overflow

Only Hubbell-Southfield CSO was discharged this month, with a volume of 64MG. Additionally, Conner Creek, Oakwood, and Puritan Fenkell captured with total volumes of 70.7MG, 8.6MG, and 2.4MG respectively. This is shown below:



WATER OPERATIONS AND FIELD SERVICES

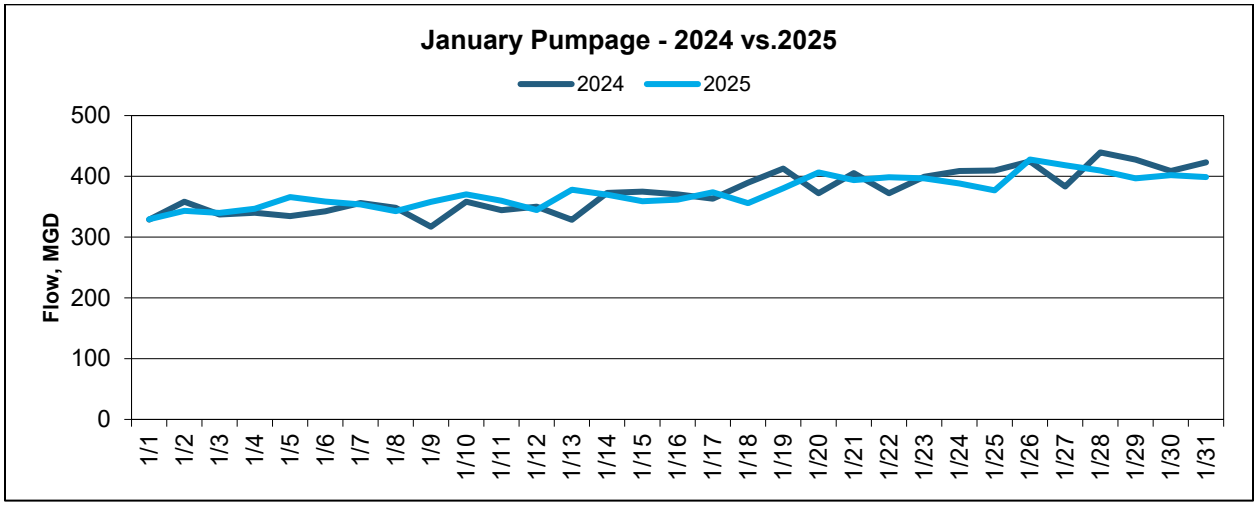
Water Operations

Water Quality

Water Quality has a big role when it comes to customer service, being kind when handling customers and co-workers with a respectful manner is very important. Water Quality investigators visit GLWA member partner's state-approved water sampling sites on a weekly schedule, to collect water samples which are required every month for their community. GLWA Investigators build a relationship with member partners while sampling their sites on a weekly basis. In addition, GLWA responds to the City of Detroit Water and Sewerage Department customer drinking water complaints to help resolve their customers' issues. When transmission mains break, Water Quality will work along with GLWA's crews while the main is disinfected and flushed. After disinfection and before a main goes back into service, Water Quality collects and analyzes samples to ensure public health is not put in jeopardy by a potentially contaminated water main.

Systems Control Center

There was a 0.03% increase in the January 2025 pumpage compared to January of 2024



WATER OPERATIONS AND FIELD SERVICES (continued)

Research, Innovation & Transformation

Research

The GLWA Research and Innovation team was pleased to initiate the second phase of the hydrothermal liquefaction (HTL) assessment and evaluation project, as part of the ongoing evaluation of new and emerging biosolids treatment technologies.

Previous technology projects included both anaerobic digestion and pyrolysis treatment technologies, with both pilot trials being performed under the direction of Michigan State University.

The U.S. Department of Energy-funded project was initiated with the arrival of the hydrothermal liquid affection pilot trailer at GLWA's biosolid drying facility, Picture 1, below.

Figure 1 – Genifuel HTL pilot unit

The second phase of the feasibility study started off with two different stakeholder groups to assess the various parameters required for project success. The first stakeholder group, a professional group comprised of petroleum refiners, consultants, equipment, vendors, and other professionals. The second group, stakeholder group represented various community interests within the greater Detroit region. These groups included Saudi Aramco, City of Detroit, Keen Oil, Northeast Ohio Regional Sanitary District (NEORSD), Denver Metro, Pinellas Country, Sierra Club, Zero Waste Detroit, and other groups who have similar or adjacent goals, efforts, and programs to help address and manage urban waste streams.

<u>WATER OPERATIONS AND FIELD SERVICES</u> (continued)

Picture 2, below, shows the project stakeholder group from Day 1 in front of the pilot trailer.

Picture 2 – Project stakeholder group

Over the two days of on-site workshops, participants were presented with various aspects of the project, participated in a tour of the HTL pilot trailer, and then participated in various stakeholder exercises to identify salient criteria for project success, various issues and concerns, and other relevant aspects that should be considered as part of the project plan.

These stakeholder efforts, a distinct part of the overall research project, were included as part of the Department of Energy's efforts to improve the direction and impact of their funded research efforts. By including stakeholder concerns, issues, constraints, drivers, and so forth early in the decision-making process, the overall outcome can be improved.

The picture below shows a moment over the course of the stakeholder workshops.

WATER OPERATIONS AND FIELD SERVICES (continued)

Engineering

Water Engineering Active CIP Project Status

CIP# 122013 (Contract No. 2004456) 14 Mile Transmission Main Loop- Phase II
Project Manager: Pete Fromm
This construction project is 100% complete. The new 54-inch transmission main has been installed, and the connections to both the 8 Mile Road transmission main and the Haggerty Booster Station have been completed. 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. 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.

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.

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. 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.

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.

WATER OPERATIONS AND FIELD SERVICES (continued)

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 involves the design, inspection services, construction management, and resident project representation services provided by the engineering firm Hazen and Sawyer for ten 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.

WATER OPERATIONS AND FIELD SERVICES (continued)

The contract included one change order for additional resident project representation services and extended time. The project is on track to close in 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 2100236. The first season of work was completed at the Wick Road, Eastside, and Schoolcraft locations. Change Order No. 1, has been approve 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.

WATER OPERATIONS AND FIELD SERVICES (continued)

CIP# 114002 (Contract No. 2201068) Springwells Electrical Gear Replacement
Project Manager: Justin Kietur
This project is currently in the construction phase. It involves the installation of new medium-voltage switchgear and cabling from the secondary side of GLWA transformers to the switchgear, and from the switchgear to the Low Lift and High Lift Pumps as well as the plant unit substations. Construction of the new switchgear room is ongoing, and the majority of the new medium-voltage cabling has been pulled from the Low Lift and High Lift Pumps back toward the new switchgear room. Site civil work for the new electrical duct banks and pier footings for the utility bridge 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# 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 flows 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.

WATER OPERATIONS AND FIELD SERVICES (continued)

CIP# 114017 (Contract No. 2201255) Springwells Flocculator Improvements
Project Manager: Eric Klun
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.

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. 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.

WATER OPERATIONS AND FIELD SERVICES (continued)

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.

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.

WATER OPERATIONS AND FIELD SERVICES (continued)

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 & McDonell 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 Summit

The Office of System Resiliency (OSR), in collaboration with the University of Michigan (UM), developed and held the first Electric-Water Utility Resilience Summit. Despite the extreme snow event, approximately two-thirds of the 167 registered attendees made it to the UM campus to participate in a one and a half day event that featured talks from the Executive Director for UM's Center for Risk Analysis and Informed Decision Engineering, GLWA CEO Sue Coffey, senior engineers from DTE, ITC, and Consumers Energy. The afternoon session featured "speed talks" from various researchers at UM to describe their current areas of research as it applies to power and water systems resiliency.

The morning session on February 14, focused on breaking the participants into workgroups to focus on collaboration, resilience metrics, funding, extreme weather, and aging infrastructure. Commitments were made to continue the dialogue on power-water regional resiliency to develop research and practical approaches to seek to enhance the overall resiliency of power and water for southeastern Michigan.

OFFICE OF SYSTEM RESILIENCY (continued)

Outfall B-39 Rehabilitation

The rehabilitation of Outfall B-39 was recently completed. The OSR supported the Wastewater Conveyance team by completing one the projects initiated prior to their formation. Outfall B-39, along with a handful of additional Detroit River outfalls, were identified as a high-priority assets to be investigated and assessed for structural rehabilitation. Outfalls were generally grouped in "phases" to develop bid packages that GLWA could advertise. As information gathering and assessment was completed for various outfall groups, it became apparent that the condition of Outfall B-39 required a more in-depth solution, and as such, the outfall rehabilitation was developed under its own phase, identified as Phase 3 of the outfall rehabilitation program. As part of the design process, extensive coordination with the property owner occurred in 2020 through 2021. The property overlying the outfall is the Waterfront Petroleum Terminal, a bulk petroleum storage facility and dock that has frequent ship traffic right at the outlet of the outfall.

Coordination of design with site activities and dock conditions led to re-design of the proposed cofferdam into an access shaft set back from the river. The negotiation of construction access was especially time-consuming, involving GLWA Office of General Counsel over several months to negotiate an access agreement to complete the anticipated activities. The rehabilitation of Outfall B-39 involved the full structural rehabilitation of the large diameter outfall by means of constructing an access shaft near the Detroit River and slip-lining the outfall with 10-foot diameter glass-fiber reinforced polymer mortar pipe and was deemed to be complete on February 24, 2024. The project finished on time and under budget. Within a year of completion, the engineering team and GLWA, along with the contractor, performed a warranty inspection of the slip-lined outfall and completed a small number of warranty repairs.

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.

OFFICE OF SYSTEM RESILIENCY (continued)

Operations & Resiliency

Tom Hall, Director Operations & Resiliency, is continuing to support and work with Water Transmission and Engineering to continue to troubleshoot system valve, pump, and ongoing control 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.

INFORMATION TECHNOLOGY

IT Security

In the past month, the IT Security team has proactively blocked or thwarted 68,808 spam messages, 142,321 spoofed messages and 38 viruses. Additionally, 10,509 phishing attempts have been caught, and 6,778 malware attempts have been blocked.

IT Business Productivity Systems

The IT Business Productivity Systems and IT Project Management Office (PMO) Teams along with our consultant partner, Strada, and GLWA's Financial Services Area have closed out the Workday implementation project. This marks the culmination of a successful 3-year implementation journey of both the Human Capital Management and Financial System areas of Workday. The official handover to the IT Business Productivity Systems, Organizational Development, and Financial Services for governance, upkeep, and enhancements of Workday has occurred. Lessons learned and ongoing initiatives have been logged and handed off to the appropriate teams for the next steps. The ongoing focus for Workday includes further stabilization of Adaptive Planning for budgeting, preparing for Workday 2025 Release 1 coming in March, and responding to new integration and enhancement requests.

IT Enterprise Asset Management Systems

The IT Enterprise Asset Management Systems Team along with our consultant partner, Kahua, and GLWA's Capital Improvement Planning Group kicked off the Project Management Information System (PMIS) implementation project the first week of February. The project kickoff included three days of workshops, discovery sessions, and established the Steering, Core, and Cross-Functional teams that will be critical to the project's success. These teams include team members from Capital Improvement Planning, Financial Services, Information Technology, Procurement, Water Engineering, and Wastewater Engineering.

INFORMATION TECHNOLOGY (contined)

The Project Management Team will be scheduling focused business process mapping and requirements gathering workshops in the coming weeks.

The team also supported the Combined Sewer Overflow (CSO) Operations and Maintenance Team with Xperteye training at Conner Creek CSO facility on January 22. Xperteye is a combination of hardware and software for augmented reality and remote assistance that will aid the CSO team in being able to remotely troubleshoot issues that occur at the various CSO facilities they operate and maintain.

IT Project Management Office (PMO)

Currently, the IT PMO is managing 16 active projects and is processing four project requests. The PMO is also assisting with 21 initiatives.

PUBLIC AFFAIRS

GLWA Wins National Award

For the sixth year in a row, Public Affairs has received the Public Information & Education Award from the National Association of Clean Water Agencies (NACWA). This year, the award-winning video, "Freshwater to Drinking Water: A Splash Course in the Treatment and Distribution Process," explores the processes, technology, and individuals behind the clean and safe drinking water running from your tap. The award honors agencies for their inventive efforts to educate the public on the effects of wastewater treatment and pollution control on the environment. Using simple, easy to understand language, the video effectively describes one of the most complex regional collection systems in the world. Public Affairs has shared the video with communities and public access stations across Southeast Michigan for their use.

L to R: Public Affairs Management Professional Jason Matthews, Creative Services Director Curtis Burris-White and Public Affairs Specialist Brett McDonald with the latest NACWA Public Information & Education Award

You can watch the video by clicking HERE.

PUBLIC AFFAIRS (continued)

Celebrating A Day of Women and Girls in Science

International Day of Women and Girls in Science, observed on February 11, is a day dedicated to recognizing the extraordinary contributions of women in the fields of science, technology, engineering, and mathematics (STEM).

Public Affairs created a video to show appreciation and celebrate the vital roles of women here at GLWA, who are advancing our sector and fostering innovation.

In the water and wastewater sector, women make up approximately 20% of water utility workers, with even fewer in executive roles. However at GLWA, the impact of women can be felt daily, from plant managers, chemists, IT professionals, and even being fortunate enough to be guided by our CEO, Sue Coffey, who is also a licensed engineer.

Click HERE, to view the video!

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 178 hours of training during the month and also completed 412 total training hours for the Security and Integrity group for the month of January.

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 and Detroit Emergency Management to discuss joint upcoming training exercises.

ORGANIZATIONAL DEVELOPMENT

Performance Team

Performance

The Progression Cycle opened for team members on Wednesday, January 22, 2025. The purpose of the Progression Cycle is to provide a career opportunity for Team Members to advance at GLWA within designated job classifications.

During the Progression Cycle, Organizational Development (OD) issued 352 Progression Assessment Reviews to Team Members and their respective Leadership Team Leaders to evaluate their progress on the completion of required competencies.

Internship

In January, OD began accepting internal requests for summer interns. Ten areas which includes groups and teams, to date have submitted requests for summer interns:

- Asset Management
- Capital Improvement
- Financial Services
- Research & Innovation
- Public Affairs
- Security & Integrity
- Water Engineering
- Wastewater Engineering
- Wastewater Operational Technology
- Wastewater Chemist Laboratory

Apprenticeship

The new *Wastewater Systems Operation Specialist Apprenticeship* program was approved by the United States Department of Labor (US DOL). This is the fifth GLWA apprenticeship program approved by the US DOL. This apprenticeship will be used to train future Plant Technicians.

Two apprentices, Cleve McCree, a water technician apprentice, and Peggy Kellie, a maintenance technician apprentice, have completed their respective apprenticeships. During their apprenticeship program:
Mr. McCree earned his State of Michigan Department of Environment, Great Lakes, and Energy (EGLE) Drinking Water Operator F3 and F4 Complete Water Treatment certifications.

ORGANIZATIONAL DEVELOPMENT (continued)

- Ms. Kellie earned her State of Michigan EGLE Drinking Water Operator S5 Distribution Treatment certification.

Outreach Initiatives and Events

The performance team held an Internship Meet and Greet at Oakland University in Rochester, Michigan. The team met a variety of students who were interested in summer internships including students majoring in computer science and engineering.

Training

During January, 54 instructor-led training courses were delivered to 300 GLWA team members, totaling 288 instructor-led training hours. For NEXGEN Training, three courses were completed by 17 GLWA team members, totaling nine training hours. In addition, 98 online self-paced training courses (e.g., KnowBe4) were completed, totaling 63.4 self-paced training hours. Also, 60 GLWA team members completed 30, 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	10
Number of Separations	11
Total Staffing – Regular FTEs (YTD)	1073
Total Staffing – Part-Time (YTD)	13

FINANCIAL SERVICES AREA

January 2025 Audit Committee Recap

The January 2025 regular monthly Audit Committee meeting was cancelled and rescheduled for Monday, February 17, 2025. The GLWA Audit Committee binders are publicly available at www.glwater.org/financials/.

Affordability & Assistance Update

In January, the Water Affordability workgroup under the leadership of Senator Stephanie Chang, restarted with a focus on the direction for future affordability policy direction.

FINANCIAL SERVICES AREA (continued)

This collaborative effort, involving lawmakers, utility representatives, advocates, and other key stakeholders, has recommenced its meetings to thoughtfully address the vital issue of water affordability.

In addition, our Water Residential Assistance Program (WRAP) service delivery partners are organizing engagement sessions for GLWA member partners who may have inquiries, concerns or wish to gain further insight into the WRAP and other forms of water assistance available to residents.

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.

Charges Outreach Update

On January 27, 2025, the Charges Outreach and Modeling team worked to get the Proposed FY 2026 charge calculation worksheets and Public Hearing notices sent out via mail to all Member Partners within the timeframe specified in the model contract. This task could not have been completed without the assistance of our outstanding administrative team. This is a key deliverable based on the efforts our new Charges consultant, Willdan Financial Services.

SRF Overview Lunch and Learn

On January 15, 2025, the Financial Services Area (FSA) held their second lunch and learn session titled, "State Revolving Fund (SRF) Overview" in the 14th Floor Training Room of the Water Board Building. The primary purpose of this employee-led lunch and learn series is to promote professional development as well as a culture of knowledge sharing within GLWA. This initiative allows employees 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 employees to share their expertise, skills, and insights with others across different teams.
- Career development: provides opportunities for employees to practice presentation skills, enhance leadership abilities, and learn about new areas within the company.
- Team building: promotes collaboration and connection between team members by creating a casual environment for interaction and discussion.
- Informal learning environment: encourages open dialogue, questions, and discussions without the pressure of a formal training setting.

FINANCIAL SERVICES AREA (continued)

Members of the SRF Team, including Jacqueline Morgan (Manager), Nick Simms (Management Professional), and Regina Washington (Management Professional), presented an overview of the SRF process. The topics covered related to key steps within the SRF lifecycle, roles and responsibilities within FSA, and SRF accounting and Workday tips.

SRF Team presenters Regina Washington and Jacqueline Morgan

The attendees were able to gain a better understanding of the SRF program, increase essential skills to account for GLWA and DWSD SRF loans, and network with peers.

Public Finance Update

We are pleased to announce that DAC Bond, the nation's leader in municipal bond compliance, has recognized the Great Lakes Water Authority (including debt predecessor) for twenty years of outstanding commitment to continuing disclosure reporting for municipal bonds. In part, the award reads, *"With a dedication to transparency and accountability, your commitment over the last twenty years has set a standard of excellence in continuing disclosure reporting and positively impacted your organization and the broader municipal market."*

Procurement Update

The January 2025 Procurement Pipeline is attached. This edition includes, this month's Pipeline, also 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. 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.

OFFICE OF THE GENERAL COUNSEL (continued)

***Gordie Howe International Bridge*:** GLWA filed a notice of claim with the Court of Claims related to its relocation claim. Discovery continues in this matter 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 is scheduled to close February 28, 2025. However, there remain a few outstanding items that could extend the close of discovery to March 2025.

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 the Dearborn representatives on December 16, 2024, to discuss negotiations the terms of a Water Service Contract. GLWA team members are scheduled to meet soon to brainstorm and prepare for the follow-up meeting with the City of Dearborn.

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

OFFICE OF THE GENERAL COUNSEL (continued)

***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 attended EPA's Draft Risk Assessment on PFOA/PFOS in Sewage Sludge Webinar.

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 *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. A Conciliation meeting with FCA was held and discussions are ongoing.

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.

OFFICE OF THE GENERAL COUNSEL (continued)

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. Mediation is set to commence on March 4, 2025.

***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

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

SRC/dlr
Attachment: January 2025 Procurement Pipeline

Procurement Pipeline

Great Lakes Water Authority (313) 964-9157 www.glwater.org **January 2025 - Volume 65**

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

FY 2024 Annual Procurement Report

Each year, GLWA produces a report detailing all procurement activity for the last fiscal year. In addition to providing a searchable database of all contracts on the Bonfire Procurement Portal, the FY 2024 Annual Procurement Report demonstrates GLWA's commitment to transparency in public procurement by providing detailed information on GLWA purchasing and spending. Key report highlights for FY 2024, which spans July 2023 through June 2024, are included below.

- ✓ Procurements awarded totaled $453.1 million;
- ✓ Procurement executed 3,835 new purchase orders;
- ✓ The total payment to vendors was $596.1 million; and
- ✓ 90% of all awarded purchases were connected to a formal contract.

The report also demonstrates how GLWA is a significant contributor to the regional economy of Southeast Michigan by including the top ten dollar value projects, top ten Capital Improvement Projects (CIP) invoiced and the top ten vendors by total spend. In addition, detailed appendices conclude the report which provide information on four subjects.

1. All contracts awarded, including contract number, vendor, and total amount of the contract;
2. All vendors awarded, including the contract number, the vendor, and the total amount of the contract;
3. All contracts invoiced; and
4. All vendor payments by invoice.

GLWA's mission is to exceed our member partners' expectations by providing water of unquestionable quality as well as efficient and effective wastewater services—but also, and importantly, to promote and support economic growth in the region we serve through our strategic sourcing practices.

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 December 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 January 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
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 3rd 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