



Office of the Chief Executive

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

August 28, 2024

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – August 28, 2024

Chairperson Baker and Directors,

As you know, the Great Lakes Water Authority and the US Army Corps of Engineers have received authorization and federal funding from Congress to partner and study flooding problems across southeast Michigan. The study will formulate alternatives to reduce flood risk and maximize net benefits to our region.

To kick-off work on the study, GLWA and the Corps will host a three-day technical design charrette September 16-18, 2024. The charrette is a structured, collaborative event, intended to bring together a variety of different points of view to assist us in creating the overall scope for the planned Southeast Michigan Flood Resiliency General Investigation Study.

Day one of the technical design charrette will focus on establishing the existing flood risk conditions in southeast Michigan and setting priorities for the region, the following two days will take a deeper dive into existing data and what gaps exist and identify a list of structural and non-structural flood management measures designed to alleviate flooding in the region. Invitations to the event have gone out and we are looking forward to collaborating with our partners throughout the region.

As we prepare to implement changes to the level of orthophosphate that we feed into our treated water, GLWA is partnering with the Michigan Department of Environment, Great Lakes and Energy (EGLE) to host a virtual meeting for our members partners on Wednesday, September 4, 2024. At the meeting, EGLE will share information on the lowering of the action level for lead in drinking water from 15 parts per billion to 12 parts per billion, which goes into effect on January 1, 2025. GLWA will also update member partners on how it plans to enhance its corrosion control measures through a phased increase to the current orthophosphate dosage.

Continuing in the theme of collaboration, the Executive Leadership Team recently met with key leadership at DTE Energy to continue building our relationships across our operational areas. The visit also included a tour of DTE's systems operations center and a presentation on their alternative energy initiatives.

Our Financial Services area is in the final stages of planning for our annual Vendor Outreach Event, which will take place on Thursday, September 26, 2024, at the Auburn Hills Marriott Pontiac. This event has been a staple in our continued efforts to connect with our current vendors and attract new ones. A new and noteworthy addition to this year's agenda is a panel session showcasing five GLWA prime contractors discussing how they select subcontractors. This is intended to provide practical insights to vendors who may be interested in performing smaller segments of GLWA's work. For more information, you can turn to pages 32 and 33 of this report. Interested vendors are encouraged to pre-register at the link provided on that page, also.

Switching to our ongoing efforts to engage with our team members, we held our third Team Member and Family Open House on Saturday, August 3, 2024, at Water Works Park. It was an amazing day filled with so much fun and connection! We had just under 200 people attend, and I think I talked to almost everyone as I had the fun job of handing out ice cream on a day that was one of the hottest of the summer. You can see more about the day in the Public Affairs report on page 29.

I also held two more of my CEO facility visits. In August we went to our Water Works Park and Lake Huron Water Treatment Plants. As we do at each of these visits, we served breakfast early in the morning to those leaving from their overnight shifts and held group meetings with our Team Leaders at each facility. We also served a pizza lunch at both facilities and did a pizza dinner for the evening shift at Lake Huron. I really love these days and the face-to-face interactions – always coming away impressed with our team members' passion for and insight into the roles they play.

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

First, I want to congratulate the Financial Services area, who for the sixth year in a row were recognized by the Government Finance Officers Association with the Distinguished Budget Presentation Award.

Next, I want to congratulate Calvin Davis and Shane Clark, two of our Electrical Apprentices, who passed the State of Michigan Electrical Journeyman Exam, and Stephen Barber, one of our Instrumentation Technician Apprentices who earned an associate's degree in industrial technology. They should know that their GLWA family is incredibly proud of them!

PLANNING SERVICES

Enterprise Asset Management Group (EAMG)

The Enterprise Asset Management Group has continued its asset audits of GLWA facilities, focusing on Northeast and Waterworks Park Water Treatment Plants, and infrastructure assets at the Water Resource Recovery Facility. In the past three months, the EAMG has tagged over 13,000 assets representing approximately 55% of GLWA's vertical assets.

Work has continued developing internal performance indicators, related maintenance management activities. To further monitor and improve the performance of our business processes, the EAMG has started publishing 'fine-grained' performance indicators, showing how smaller subsets of our organization (or individual facilities) contribute to the reliability and service delivery of GLWA. These fine-grained performance indicators are presented to GLWA's Water and Wastewater Asset Management Teams to drive continuous improvement.

Capital Improvement Planning (CIP) Design:

The CIP Team continued efforts to collaborate with the water and wastewater engineering groups to update project data in the CIP portal. The cross-functional collaboration on this effort is extensive. For example, 53% of water and 17% of wastewater projects required project status updates. This implies that project managers for 38 water projects and 13 wastewater projects actively went through the effort to update valuable project information for their projects related to status, scope, delivery method, and phase. In addition, 51% of water and 46% of wastewater projects required updates to project scoring which required not only an evaluation by the project manager, but in some cases the cross-function team including member partner representatives.

PLANNING SERVICES (continued)

The CIP Delivery Team was actively engaged in various activities this month. Together with the water and wastewater engineering groups, they conducted a comprehensive review of the CIP project portfolio. The main goal was to update project forecasts and align current project budgets and forecasts with the financial targets set for the FY 2026-2030 Capital Improvement Plan.

Throughout the month, the CIP team held multiple alignment sessions focused on water and wastewater forecasts and scenario planning. These sessions facilitated strategic decision-making processes, refining the prioritization of immediate system needs while considering the broader implications for reliability, health, safety, and operational efficiency. While significant progress was made, the alignment process for wastewater projects remains ongoing.

PLANNING SERVICES (continued)

Additionally, the GLWA controls team reviewed contractor provided schedules for 21 active contracts which equates to 32 percent of active contracts. Effective coordination amongst the CIP controls team, project managers, and project consultants has led to the proactive identification of issues and risks related to project schedules. This approach is crucial for improving communication between GLWA project managers and contractors/consultants to ensure risks are identified and mitigated earlier in the process.

With support from AECOM, the CIP group advanced the implementation of the Program Management Plan (PMP). The team addressed initial changes based on user feedback, collaborated with team members to review and discuss proposed modifications before releasing the first PMP revision. The next PMP update is scheduled for January 2025, with annual updates thereafter. Access to PMP chapters is now available on the GLWA procurement webpage, providing vendors with insights into the new PMP processes.

Lastly, the team actively engaged in recruiting efforts over the past month, reviewing resumes and conducting interviews to fill key positions within the CIP delivery team. One offer has been extended for the Professional Administrative Analyst position. The CIP is also recruiting for the roles of Manager of Assurances, Budget Management, and PMIS System Analyst.

Member Services Group

The Member Outreach team is busy preparing for several exciting fall initiatives. We are gearing up for the Fiscal Year 2026 Charges Rollout meetings and organizing a special session to update members on the corrosion control initiative. Additionally, keep an eye out for an invitation to our emergency response training on the Incident Command System (ICS) 100 and 200 courses, scheduled for Thursday, October 24, 2024. This training will be provided by GLWA's Security & Integrity group.

PLANNING SERVICES (continued)

A **Wastewater Analytics Task Force (WATF)** meeting was held virtually via Zoom on July 12. The meeting began with Barry Brown of Detroit Water and Sewerage Department presenting on a collaboration effort with the City of Center Line. The City of Center Line has a need for increased sewer capacity and in exchange will provide funding toward a City of Detroit sewer separation project. This was followed by an update on the overall implementation of the 2020 Wastewater Master Plan from Kevin Jankowski of GLWA. Next, Dan Gold of GLWA presented an overview of the Watershed Hub Work Group's progress on multiple water quality monitoring initiatives, including GLWA's collaboration with the United States Geological Survey (USGS), and locally funded *E. coli* sampling efforts. The final presentation came from Kevin Jankowski, where he provided information on potential future technology that could be employed for solids handling at the Water Resource Recovery Facility (WRRF). The next convening of the WATF is scheduled as a virtual/zoom meeting on Friday September 6.



Figure 1: The initiatives contained in GLWA's 2020 Wastewater Master Plan collectively aim to achieve five desired outcomes.

Water Analytics, Planning and Metering (WAPM)

Progress continues related to the wholesale water meter pit rehabilitation and meter replacement program. The scope of work for the second project in this program includes construction work at 58-meter pits with metering and/or meter pit condition concerns. Last month, coordination meetings were held with the City of Ferndale, the City of Wixom, and the Ypsilanti Community Utilities Authority. In the fall, after the peak season, the planned work will begin.

The WAPM group is actively collaborating and answering questions from the City of Highland Park as they and their consultants develop their water system model. That model will be used to determine water billing meter locations. The technical meetings began in May and continue weekly.

Wastewater Analytics, Planning & Metering (WwAPM)

The Southeast Michigan Flood Study agreement, between the US Army Corps of Engineers and GLWA was executed on July 10, 2024! The purpose of this project is to study flooding problems across Southeast Michigan and formulate alternatives to reduce flooding risk from a variety of causes such as increased rainfall intensity, duration, and frequency.

PLANNING SERVICES (continued)

The WwAPM group is working closely with the System Resiliency Group, Member Services, and others to coordinate a design charrette to engage stakeholders and define the scope of work.

In preparation for the Southeast Michigan Flood Study, the WwAPM group is reviewing and updating model representations within GLWA's wastewater hydraulic model. These modifications will improve the usability and performance of the model. These efforts will be coordinated with the Model Users Group, which kicked off in July, and is a collaborative meeting of member partner representatives tasked to improve the modeling processes and procedures throughout the region.

In addition, EGLE conditionally approved the Phase I Combined Sewer Overflow Control Plan on July 17, 2024. The project, commonly referred to as the Long Term CSO Control Plan, or LTCP provides an array of projects to reduce overflows to the Rouge River to improve water quality. The conditional approval letter is being evaluated and is a necessary component to renewing the National Pollutant Discharge Elimination System permit.

WASTEWATER OPERATING SERVICES

Wastewater Operations

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

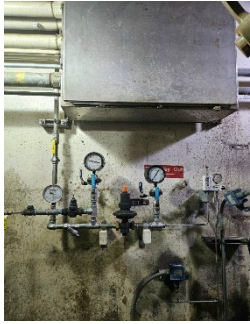
Maintenance

The frame for Sluice Gate 9B (SG-9B) at Pump Station 2 (PS2) was bent during operation and became inoperable. SG-9B serves to isolate Bar Rack 9 from the PS2 aerated grit channels. The Central Maintenance team performed the task of straightening the frame and ensuring the gate would travel properly without jamming. To install the new frame support, the team fabricated a tool specific for this job to pull the frame supports back to their original position. This creative problem solving and willingness to complete major projects internally minimizes costs to Great Lakes Water Authority and restored operational flexibility at PS2.



SG-9B with a bent frame and frame support and SG-9b after repairs pictured in the left and right photos

WASTEWATER OPERATING SERVICES (continued)



Updated seal water system for Sludge Feed Pump 4 using stainless steel for corrosion prevention

Many seal water systems in the Dewatering area are constructed using galvanized steel. While initially, galvanized steel is very corrosion resistant, it will, however, corrode over time, especially at threaded unions. The Dewatering Team discovered that corrosion products from the steel were causing plugging of seal water lines, inhibiting the associated pumps from running. Team Leader *John Lokosis* and Team Leader-Planner *Betty-Jo Meadows* initiated a project to replace all galvanized steel in the pump seal water systems in the Dewatering area with stainless steel. This project began on Sludge Feed Pumps 3 and 4, which are used to send sludge to the Biosolids Dryer Facility and are critical for solids disposal at the WRRF. This initiative will improve the reliability of the pumping systems in Dewatering and minimize interruptions to sludge processing.

During recent preventative maintenance of Transformer T-11 at the WRRF, a burn mark was discovered on Transformer surge arrester wiring. After further investigation, it was found that the burn mark was caused by incorrect wiring. The wiring installed used 600V insulation instead of the required 15kV insulation. If not corrected, the burn mark would have escalated to a short circuit, causing the loss of Raw Sewage Pump#11. The incorrect wiring was replaced prior to placing the transformer back in service. Identifying issues like this during preventative maintenance is critical to preventing emergency equipment failure and higher cost repairs. This is a great example of the importance of correctly performing preventative maintenance on plant assets.



Team Leader Ray Zdonkievicz pointing out the incorrect wiring and a close-up photo of the incorrect wiring used

Laboratory



Libby Grant proudly displaying her Wastewater D License Certificate

Chemist *Libby Grant* received her D license from the State of Michigan Department of Environment, Great Lakes, and Energy. Congratulations Libby!

Chemists *Hainite Tuitupou* and *Niyla Reid* participated in the GLWA TAP IN team member recruitment campaign video shoot. The Public Affairs Team used the lab as a background to highlight the important work chemists are doing and help attract talent. *Hainite* showed talent in making videos too, as she is developing various training videos for the Laboratory Team.

WASTEWATER OPERATING SERVICES (continued)

Process Automation & Control System Team (PACS)

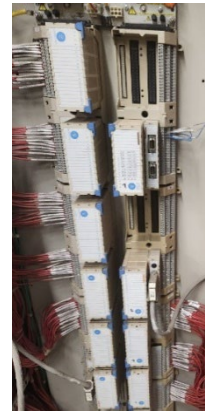


*Restored Float at
WRRF PS1*

PACs team members responded to a gas detection fault at the WRRF's Pump Station 1 (PS1) this month. The fault was traced to a flood indicating a float switch which was falsely triggered due to inadvertent dislodging of a mounting pipe. The false signal caused the gas detection system's air sampling pumps to stop, resulting in a monitoring fault. Once the mounting pipe was correctly repositioned, the false flood indication ceased, and the gas detection fault cleared, restoring normal operation of the system.

The PACS team successfully replaced an I/O (input/output) base at the Conner Creek CSO facility. The I/O bases in the controls' cabinets provide pathways for signals to travel to or from field devices and instruments to the process controllers. The I/O base replacement at Conner Creek restored monitoring of two chemical mixers, a bar screen and several pumps at the facility.

Team member recognition goes to *Tarek Malek* and *Alan John*, who are the Service Desk Analysts that provide IT services to the team members at the WRRF. They consistently provide high quality service expeditiously, while illustrating courteousness and communicating professionally when interacting with WRRF team members. Thank you, *Tarek Malek* and *Alan John*, for your continued dedication and excellent service!



*Replacement Input/Output
base at Conner CSO*

Engineering And Construction

Wastewater Projects in Construction

Capital Improvement Planning (CIP) Construction

CIP 211005.3, Contract No. 2104082 – PS2 Mag Meter Replacement

This construction project replaces the six remaining 54-inch end-of-life flow meters for the main lift pumps. The electricians are working on the installation of new conduits, wire and junction boxes. Half of the existing transmitters were switched over to new cable on August 1, 2024, and the remainder will switch over to a new cable by mid-August. It is expected that the flow meters and transmitters can be replaced starting in late August.

CIP 211006, Contract 2103350 – PS1 Improvements (WRRF)

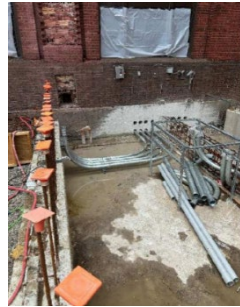
Upper roof repair work is ongoing and power washing in the north dry well has resumed to perform crack repairs and paint. Crack injection work in the upper wet well will be completed by the end of August 2024. Crane rehab work has been completed; GLWA is awaiting a report from the Contractor.

WASTEWATER OPERATING SERVICES (continued)

The lower wet well work plan was approved while waiting to receive a cost proposal from the Contractor to operate stop-logs during off hours and weekends. Venturi vault work is on-going. A letter was sent to the Contractor regarding delays in receiving revised submittal from Flowserve.



*New ReSteel laid out
at Venturi 3 and 4*



*Conduit installation at a
new electrical building*

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

A closeout change order remains in process and the final completion date is August 30, 2024. The targeted completion date of all pending punch list items was August 15, 2024.

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

Cleaning of the Aeration Basin # 1 is ongoing at the site for field investigation and design. The project schedule is being revised by Kokosing addressing the GLWA comments. The Contractor is expected to submit the final feasibility study report along with the cost and schedule impact for installing two additional low flow pumps by the end of August.

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

A root cause analysis report (Van Der Graaf report) was received from Contractor Weiss/JMS on July 29, 2024, and is under review. The Contractor completed all deficiency items related to the 30-day performance test. The 30-day performance test is scheduled for the end of August 2024 and will be confirmed upon acceptance of the Van Der Graaf report. The replacement of screened final effluent (SFE) motors, screw hopper liner design and fix remain as pending items.

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

Part of this project occurs in utility tunnels located on the WRRF grounds. Steam pipe installation and structural repairs on the tunnel are ongoing. Parallel to this work, the contractor is planning their testing, shutdowns, potential temporary feeds, and the construction of a potable water line in the same tunnel. Lining of the secondary water main, from the Waste Activated Sludge Building to Copeland Gate started the last week of July.

WASTEWATER OPERATING SERVICES (continued)

This project will have heavy impacts on Copeland gate traffic during its four-month duration, including the “NG-02” (the name of the project) natural gas line replacement around the primary clarifiers. Lastly, a work plan is currently being developed for the secondary final effluent (SFE) large diameter gate valve assessment program, included in this project. The assessment of these valves will be critical to the future SFE Pump Station replacement project planned for construction in the next 12 to 24 months to ensure SFE isolation / construction staging can occur.

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

The Contractor is working on tank repairs as they are available for the operation. Yard piping repair work has been completed. Exterior repairs will start soon at the New and Old Administration Buildings while the Contractor is also working to perform repairs at Aeration Basin #1 and selected B-houses under this project.



Repairs at Aeration Basin # 1



Repairs at Yard Piping tunnel

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

Crews have successfully completed the hand-mine tunnel from the Fox Creek Canal to the DRI. Over the next two months, they will construct a concrete intake structure with gates. Following this, they will relocate the Fox Creek Low Flow Conduit, which involves building a new 10' diameter tunnel and a cast-in-place regulator chamber. Additionally, crews are cleaning the DRI in Reaches 2 and 2A, having completed debris removal at Riopelle and Franklin (Reach 2) and now working at Adair and Franklin (Reach 2A). Flow conditions in July have limited the number of workdays.

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

Grouting and spot repairs are ongoing under the Detroit airport. Rebar coating has begun again and slip lining for the first of two sections is complete with grouting ongoing. Design for improvements at the Conner CSO forebay are in process with the design nearing 100 percent

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

The bulk of all the work is complete. Additional debris removal and grouting extended the project to August 31, 2024 to complete the work that is needed over the contract quantities. The step installation is complete and closing of the hatches into a new manhole is ongoing this month.

WASTEWATER OPERATING SERVICES (continued)

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

Work continues on the Brush/Bates sewer segments north of Downtown Detroit. Planning for the entry of the sewer into downtown this fall is ongoing.

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

The project has reached substantial completion. There are major administrative and punch list items that are being worked on along with all parts of the project. It is anticipated this project can be finally accepted by October 1, 2024, if the heavy cleaning is performed.

The project had a no cost change order on the July board agenda to extend the contract time without extending the key milestone of final completion.

CIP 260510, Contract No. 2204611 - CSO Outfalls Rehab Phase V

The Contractor has completed debris removal from Outfalls B-25, B-35, B-41, & B-44 and continues to remove debris from Outfalls B-4, B-30, & B-37. The Contractor has completed spot repairs in the chamber portion of Outfalls B-25, B-26, B-30, B-32, B-33, B-34, B-35, B-41 & B-44. The Contractor has completed spot repairs in the sewer portion of Outfalls B-4, B-30, B-34, B-35, B-41, & B-44. The Contractor has completed the manhole frame and cover replacement for Outfall B-44. The Contractor has continued with the removal of the delaminated liner within Outfall B-4, preparation of Outfall B-25 for the installation of flowable fill, and installation of the structural spray lining in Outfall B-35 & B-44. The Contractor has begun the slip lining in B-38 and cured in place pipe (CIPP) lining in B-44.

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

DTE provided a contract with pricing for GLWA to review, sign and pay for DTE to schedule the work. The contract has been forwarded to General Counsel for review. The preliminary cost from the Contractor was to replace the existing concrete enclosure which was received and reviewed, and comments were provided. At this time, quotes from the Contractor are waiting to be received. The substantial completion certificate for base contract work is in the process of approval with the warranty date that began on April 12, 2024.

CIP 260701, Contract 2102859 – Conveyance System Infrastructure Improvements

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

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

ISD equipment installation is complete or nearing completion at ISD 2 through 8, ISD 10, and ISD 11, and ISD 13. Improvements at B-25, B-48, B-83, B-86, and B-95 are complete. Equipment startup and testing by Contractor and GLWA staff is ongoing.

WASTEWATER OPERATING SERVICES (continued)

All ISD sites with manhole modifications are complete. Engineer-directed repairs to inflatable dams will begin in July and continue in August. The contract time has been extended via a change order that was approved by the board in July 2024 with work expected to be substantially complete in March 2025.

CIP 260802 – Contract 2300394 – WRRF Roof Improvements

This project is to replace various roofs at the WRRF which have exceeded their life expectancy. Roofs to be replaced are the Scum Concentration building, Dewatering complex I, Vehicle and Ground Maintenance, and Central Offload. The Contractor is finalizing details and small sections of roof on the Dewatering Complex I and will mobilize to the Vehicle Ground and Maintenance building in August 2024.

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

The demolition of the Guard Shack and landscape restoration is complete. The HAZMAT building is currently operational, and Security is using the control room. The Contractor submitted the O&M manuals, but is still pending the training manuals, performing the actual training, building permit and trade permits final inspections prior to issuance of a substantial completion certificate.

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

The Contractor continues to perform exploratory excavation and has begun staging the temporary turnstile facilities in preparation for removal and replacement of the existing turnstiles. The Contractor has submitted additional permits for the completion of the parking structure entrance/exit and front surface parking lot.

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

Trenching for electrical banks is complete, pending electrical inspection prior to pouring concrete. Geotechnical report for areas underneath new concrete slabs was completed and is under review. Once approved, interior concrete work will commence, followed by racks and equipment installation.

Engineering And Construction

Non-CIP Construction:

Contract No. 2201101 – Complex II Incinerator 11 Rehabilitation

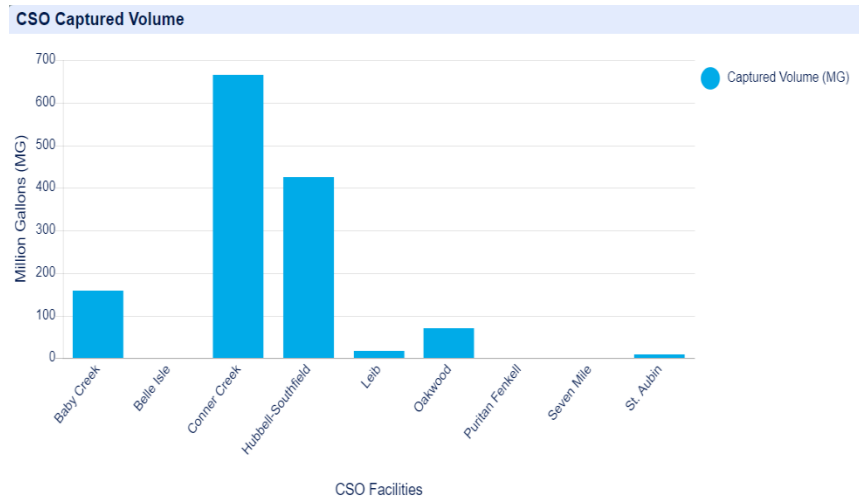
The Pop Top Damper is now installed. The access platform and ladder are now complete. All fire brick, drop holes, flexible connector, and mortar work within the incinerator are now complete. Compressed air lines, instrumentation line, and the instrument panel are built and installed. The National Fire Protection Association inspection of gas lines is upcoming. Based on previous inspection of the overall incinerator, we are waiting for a small number of spare parts. When complete, the next phase will be ready to turn on burners and check for proper operation and start up the incinerator likely in September 2024.

WASTEWATER OPERATING SERVICES (continued)

Combined Sewer Overflow (CSO) Control Program

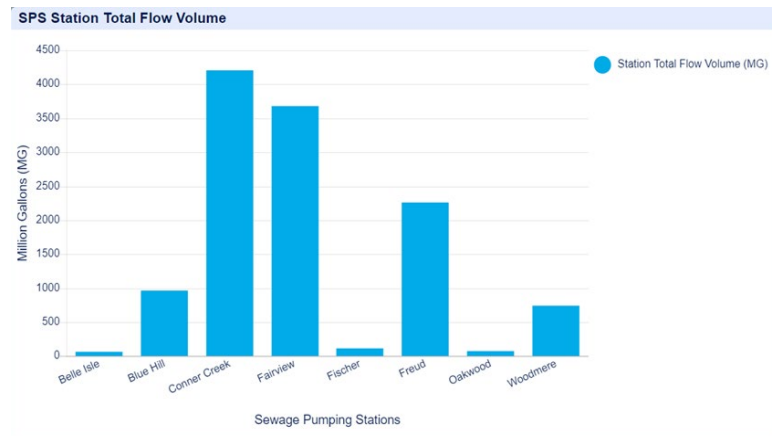
CSO Conveyance

The CSO facilities captured/discharged just over 1.3 billion gallons of flow in July. The technicians successfully treated and captured the flow without major issues regarding equipment. There were no reports of basement backups or floods stemming from our facilities.



The CSO Team successfully hired CSO Manager, Shadrack Ampomah and CSO Team Leader, Yolanda Presley. Ampomah began his career in Northeast Ohio, performing technical skillsets as a CSO Operator/Technician, and later transitioned into leadership where he led O&M staff in Ohio. Presley comes from GLWA Water Operating Services and has successfully completed the EICI-I internship, obtained the classification of an F-2 license and is approaching her last and final year of Michigan Public Service Institute training.

Sewage Pumping Stations



The sewage pumping stations continued to perform as designed during high intensity storms. Conner and Freud Pumping stations discharged into the Conner Creek CSO Facility, which accounts for the majority of the sewage pump station flow for the month.

GWLA hosted a community engagement plan discussion to continue to inform the residents about the improvements to the Freud Pump Station, as well as the schedule and details of the construction of the new Freud Sanitary Pump Station.

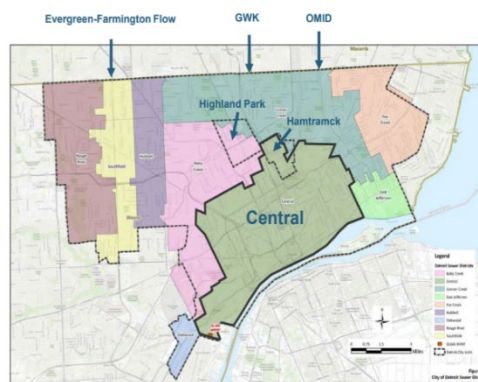
WASTEWATER OPERATING SERVICES (continued)

Conveyance/Sewer Pump Stations (SPS)

A third GLWA conveyance system workshop was conducted which focused on our central district. Certificates of completion were provided to attendees, and GLWA is working with designated vendors to possibly have additional workshops approved for Continuing Education Credits. The workshop provided details of which valve remotes, in-system storage devices and interceptors that are in this district. The workshop also provided details of the conveyance of wastewater via sewage pump stations and interceptors, including the capacity, member partner service connections and service area.

Main Topics

- ◆ Central Conveyance System Assets
 - ◆ Main Sewers & Interceptors
 - ◆ Valve Remotes (VRs)
 - ◆ Regulators & Outfalls
 - ◆ Pump Stations (PSs)
 - ◆ In-System Storage Devices (ISDs)
 - ◆ CSO Facilities
- ◆ Instrumentation
 - ◆ Precipitation Gauges
 - ◆ Sewer Level Sensors
 - ◆ Detroit River Level Sensors
 - ◆ Flow Meters
 - ◆ BWG Proximity Switches
- ◆ System Operation
- ◆ CSO Reporting
 - ◆ Post Event Report to EGLE
 - ◆ Overflow Calculations



The Wastewater Conveyance Team and sewage pump station team successfully filled two of their open positions, each hiring a maintenance technician. *Jason Slawinski*, Maintenance Technician SPS will further his role and development, transitioning internally from the WRRF Facilities Team. *Darius Sturdivant* will begin as a new team member for the Conveyance Team as well.

Wastewater Conveyance CSO would like to thank Team Leader, *Darvin Fox*, for being instrumental in assisting the conveyance SPS team in learning day to day operations such as station rounds/checks, critical elevations, pumps start up procedures and other troubleshooting skills. Part of the start-up of the new Wastewater Conveyance Team includes receiving internal training from the current Field Service and System Control Center Teams.

WATER AND FIELD SERVICES

Lake Huron Water Treatment Plant

The West Retention Basin is a large asset to the operation of the Lake Huron Water Treatment Plant, providing space for filter wash water. After sedimentation basin cleaning, there is a large buildup of sludge in the retention basin, reducing the basin's efficiency. Cleaning is required to bring the basin back to full operating capacity. Through a joint effort, between the Operations and Maintenance teams, all the sludge was removed, and the West Retention Basin was returned to service completely cleaned ready to continue the work ensuring water of unquestionable quality.

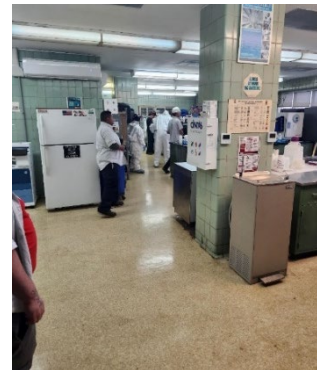


Water Maintenance

Chlorine Drill Completion

There was a recent successful completion of the chlorine drill assisted by the Northeast maintenance team. This drill was a crucial part of our emergency preparedness strategy, designed to ensure that our team can effectively respond to a chlorine leak incident. Chlorine is our primary disinfectant.

The primary objectives of the drill were to practice and reinforce our emergency response procedures, ensure all team members were familiar with the safety equipment and protocols, and identify any gaps in our current emergency plan.

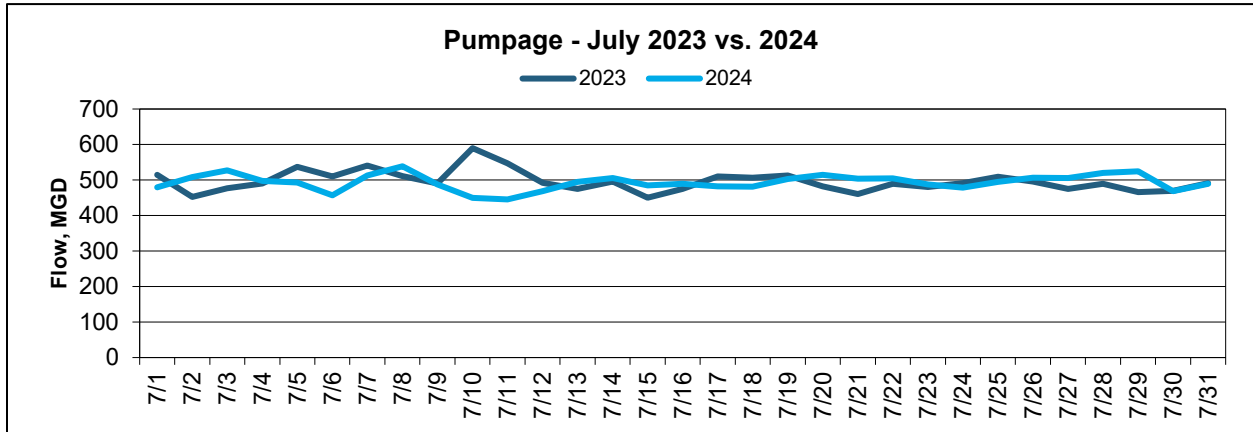


Before the drill, the team thoroughly reviewed the existing chlorine emergency response plan. All necessary safety equipment, including personal protective equipment, chlorine detection equipment, and emergency repair kits were checked and prepared. All participants communicated and understood all the roles and responsibilities.

WATER AND FIELD SERVICES (continued)

Systems Control Center (SCC)

There was a 0.4 percent decrease in pumpage in July 2024 compared to July 2023



Research, Innovation & Transformation

Interns - Wastewater

Intern Benjamin Weber is working at the Water Resource Recovery Facility (WRRF) on creating an app with Streamlit, which is a library offered for python programmers. It displays an interactive webpage in which the user can select a date and time to view the model's forecasts. As the real values arrive for the forecast, the graph displays them alongside the forecast. This tool will be helpful for the operators to make actionable decisions based on the model.

Interns - Drinking Water

Interns at Water Works Parks have been working with Dr. Dienne Tolofari on various tasks related to water sampling. Vera Denison has been doing Pilot Plant observations, water sampling, and preliminary calculations for jar testing. Mary Dunne also participated in jar testing in addition to UV 254 measurement-transparency and observance of raw water. Hollie Adejumo is performing total organic carbon analyses for Vera's jar testing samples and updated the Excel file with her results. Moving forward, Hollie will be responsible for generating new analytical standards, and running the calibration checks daily. These calibration standards allow us to determine the total organic carbon concentrations of unknown samples. She assisted with sampling at the Belle Isle intake with the support of the Water Works Park operations team. Upon arrival back to the plant, Hollie assisted with acidification of all the pilot and full-scale plant samples.

WATER AND FIELD SERVICES (continued)

Intern Haley Grooms is working at Water Resource Recovery Facility on acquisitioning data in advance of a study that will be conducted by the EPA. This study is based upon a group of chemicals known as per- and polyfluoroalkyl substances (PFAS), which pose significant health risks to a wide range of communities. PFAS is hard to break down and treat, but also extremely expensive to monitor. The EPA is focused on monitoring the PFAS levels from the top 400 publicly owned treatment works with the highest influent flow rates. This is aimed at gaining a better understanding of PFAS treatment, mitigation, and widespread education on where these chemicals are introduced into the water system.

To gain the plant data, fellow intern Jean-Paul is working alongside Haley diligently to research background information (street addresses, cities, etc.) to start building a profile for each plant. From there, they pull flow information from the EPA's fact sheet and input it into a large Excel spreadsheet. Then, go through each utility and find an engineer, researcher, or someone to help give them a contact to connect to each plant. Haley and Jean-Paul call over the phone and email each utility to both confirm our data and acquire new data.

Research

Dr. Andrew Marcus gave a presentation during Session 2 of Water Quality Sensors Partnership Project organized by Isle Utilities. Several members from large utilities throughout the United States were in attendance. Andrew's presentation was titled: "*Leveraging Water Quality and Flow Data to Develop a Forecasting Tool for Solid Management.*" The presentation gave an overview of the solids management challenges at GLWA's WRRF and the potential for data-driven modeling to assist and improve decision making by WRRF operators. Several challenges were identified: 1) the need to have a central repository for WRRF's operations, laboratory, and sewer data; 2) obtaining different measurements at the same locations to make analysis easier; and 3) dealing with large amounts of noise using the Kalman filtering approach. Andrew's presentation was followed by a spirited discussion. A participant from Ocean County Water District recommended looking to total suspended solids sensors to obtain more frequent measurements of total suspended solids.

Transformation

The Transformation Team worked with both Facilities and Water Operations to launch a housekeeping complaint tracker throughout the organization. These complaints are initiated by Great Lakes Water Authority team members once they scan the quick response (QR) code on the signs we have posted. – *Housekeeping Complaint Tracker*

Each GLWA facility has signs posted in multiple locations making reporting complaints convenient while also encouraging team member engagement.



WATER AND FIELD SERVICES (continued)

In addition to the Housekeeping Complaint Signs, we created a tutorial on “How to Use QR Codes” which is scrolling on the reach monitors.

Engineering

Water Engineering Active CIP Project Status

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

Project Manager: Pete Fromm

This construction project is at 90 percent complete. The new 54” transmission main has been installed and the connections to the 8 Mile transmission main and the connections to the Haggerty Booster Station have been completed. The new 54” transmission main is being pressure tested, disinfected, and bacteriological tested. Final surface restoration (roadway) is being completed on Meadowbrook Road from 12 Mile Road to 13 Mile Road in the City of Novi. Final testing of the control valve station at the Haggerty Booster Station is planned once all pipe segments have been disinfected and tested. Project is still on schedule for August 2024 completion.

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” flow meter on the south high lift header with an 84” butterfly valve for isolation, 16” flow metering for process water usage by the plant, blowoff on the south high lift header, infrared heating within the pump building on the south side, and a replacement valve actuator on the 84” butterfly valve on the north high lift header. Construction for the south header improvements is forecast to be completed in the summer of 2024. Installation of the new high lift pumps and associated construction has been delayed by the pump supplier and a forecast is to be determined.

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 next and are forecast to be completed in the summer of 2024. The project is on track for overall substantial completion on July 13, 2026, and final completion by March 18, 2027.

WATER AND FIELD SERVICES (continued)

CIP# 114011 (Contract No. CON-252) Springwells Steam, Condensate Return and Compressed Air Piping

Project Manager: Brian Vanhall

This project at Springwells Water Treatment Plant replaces the steam generators, majority of steam and condensate piping, condensate pumps and replaces portions of the compressed air and natural gas piping systems. Construction is substantially complete.

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

Project Manager: Corey Brecht

Project is in construction phase. The scope consists of approximately 8,000 ft. of 96" diameter welded steel pipe along Dequindre Road in Rochester Hills which is divided between North Dequindre and South Dequindre segments. Currently, the contractor has installed approximately 5,900 ft. of transmission main along the south segment of the project heading to Hamlin Road. South Dequindre Road is planned to be restored by October 2024 (approximately five months ahead of schedule). Contractor has begun preparatory activities on the north segment of the project in anticipation for pipe installation to begin in October 2024. The entire project is currently on track to be completed by fall of 2025.

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

Project Manager: Corey Brecht

This contract is a material purchase with Northwest Pipe Company for the 96-Inch spiral welded steel pipe. Currently Northwest Pipe Company is fabricating and delivering Phase II pipe for the contractor involved with Contract No. 2300600. The fabrication and delivery has increased to approximately 78 percent complete.

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

Project Manager: Corey Brecht

This contract is a material purchase for Phase III of CIP #122004 – 96-Inch Water Transmission Main Relocation Project. The material purchase includes two 84" 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 contract is currently in the submittal review process. GLWA received Revision No. 02 from Cascade on July 5, 2024.

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

Project Manager: Corey Brecht

This contract provides engineering and construction assistance services for the entire 96-Inch Water Transmission Main Relocation Project (Phase 1-3). The consultant has also completed the draft for the Design Build Request for Proposal package for Phase 3 that is scheduled to be advertised in August 2024 (Target Date of August 20, 2024).

WATER AND FIELD SERVICES (continued)

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

Project Manager: Corey Brecht

Project is in construction phase. The work included installation of approximately 16,500 ft. of 48" diameter prestressed concrete cylinder pipe parallel to the existing 42" transmission main. The scope also included two cross connections and tie-in at the Wick Road Pump Station. All 16,500 ft. of pipe is installed, and all pavement restoration has been completed along with punch list items. Pending Final Pay Application and Closeout Request.

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 at the Lake Huron Water Treatment Plant. For the updates to the switchgear, low lift pumping improvements and high lift isolation, the consultant has provided a 60 percent design package which has been reviewed and a revised 60 percent design package will be forthcoming. The Basis of Design Report for the High Lift Pump Station has been reviewed and returned, and the 30 percent design package was received mid-July 2024.

The Basis of Design Report phosphoric acid improvements will be due after receipt of the final target concentrations for optimized corrosion control anticipated in late August 2024. The high lift pumping and phosphoric acid improvements projects may be combined and modified to create cost overall savings on this CIP.

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

Project Manager: Eric Kramp

This is a progressive design build project to address outdated and failing programmable logic controllers and controls throughout the plant, with particular emphasis in the filter building. The project is approximately 60 percent complete with Phase I. GLWA has reviewed and commented on the 60 percent Design Deliverable package and has returned it to the Contractor. The contractor is reviewing these comments with an anticipated delivery of 90 percent Design Documents by Mid-August 2024. GLWA and the Contractor anticipate beginning discussions on the Phase 2 Cost and Pricing Agreement in mid-August 2024.

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

Project Manager: Eric Kramp

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

WATER AND FIELD SERVICES (continued)

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

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

Project Manager: John McCallum

This project is the design, inspection and construction management/resident project representation services for 10 finished water reservoirs. Design started in December 2018 and as-built drawings are in process now. All 10 reservoirs have been inspected and as-built documents are being prepared. The contract had one change order for additional resident project representation services. The project remains on budget and is ahead of the contract final completion date of January 17, 2025.

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

Project Manager: John McCallum

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

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

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

Project Manager: John McCallum

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

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

Project Manager: John McCallum

This project is the low bid construction component based on Contract No. 2100236 bid package to clean, repair, and add select improvements to 16 finished water reservoirs at Eastside, Wick Road, Schoolcraft, Haggerty, Adams Road, Joy Road #1 & #2, North Service Center #1 & #2, Water Works Park #1 & 2A/2B, Northeast #1 & #2, Michigan Avenue, Lake Huron #3.

WATER AND FIELD SERVICES (continued)

The project started in December 2023 with the first season of interior rehabilitation work at Wick Road, Eastside, and Schoolcraft completed and the reservoirs are back in service. Exterior improvements will continue throughout the summer. Next fall, another four reservoirs will be taken out of service for work. The last of the 16 will be finished in the 2026 to 2027 outage season with final contract completion in July 2028. The contract is on budget and time.

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

Project Manager: Justin Kietur

This project is in construction phase. Project involves installation of new medium voltage switchgear and cabling from secondary side of GLWA transformers to the switchgear, and from the switchgear to the Low Lift and High Lift Pumps and plant unit substations. Demolition for new switchgear room is complete, and the majority of cable tray within existing facility is complete. Site civil work for new electrical duct banks and utility bridge is underway. Revised drawings for DTE required changes to the switchgear have been issued to the contractor with additional cost and schedule impacts to the contract to be determined.

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

Project Manager: Mike Dunne

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

The new HVAC systems consist of gas fired makeup air units, exhaust fans, ductwork, natural gas piping, ventilation control panels, electrical power, ambient air monitors and associated appurtenances. Construction crews have placed and commissioned all HVAC units in the north chemical, flocculation/sedimentation, and ozone areas. Three-fourths of the new ventilation has been completed in the filter area. Crews have moved their focus to the south chemical area and are targeting a November 27, 2024 completion date.

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

Project Manager: Mike Dunne

The scope of the Belle Isle Seawall Rehabilitation project is to correct excessive erosion at the tip of the southern dike of the Belle Isle Intake lagoon. The erosion has been caused by years of ice floes scouring the dike and recent high-water events. The repair work will require the installation of new steel sheet piling and a rip-rap stone coating to protect the earthen dike. The contractor has installed all four coffer cells and sheet piling that will serve to protect the shoreline at the tip of the southern dike from erosion. The next step of construction will be to place rip-rap and armor stone to build a coating for further protection water and ice erosion. The project is on track to be completed by the end of the calendar year.

WATER AND FIELD SERVICES (continued)

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.

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

Project Manager: Pete Bommarito

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

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

Project Manager: Pete Bommarito

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

CIP# 114002 (Contract No. 1900134) Springwells Low Lift Suction Isolation Gate Replacement

Project Manager: Tim Kuhns

Project has been closed out. Project involved replacement of eight isolation roller gates that control flow between the raw water tunnel suction ring and the low lift pumps. Contractor has replaced all eight roller gates and provided all project close out documentation.

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

Project Manager: Mike Garrett

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

WATER AND FIELD SERVICES (continued)

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

Project Manager: Tim Kuhns

Project is at 90 percent design phase. Project involves use of 42", high-density polyethylene fit slip-line approximately three miles of vintage 1915 cast iron 48" 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 must complete a 16" set of parallel mains from Water Works Park to Rivard. Construction for this project will not commence until FY2028.

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

Project Manager: Jorge Nicolas

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

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

Project Manager: Vittoria Hogue

Project mobilized on March 4, 2024. Temporary lighting is being installed and equipment is being delivered to site and modifications in the first basin are being completed. 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.

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

Project Manager: Vittoria Hogue

Phase 1 of the project is at 90 percent design, Phases 2 and 3 are at 60 percent 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" to 42" to maintain minimum contract pressures. The original design intent was to prevent boil water advisories in the event of a main break. The consultant has submitted the proposal for the additional scope for the requested change. GLWA is in the process of reviewing the document.

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

Project Manager: Michael Garrett

Project is in construction phase. Project involves new reservoir pumping facility as well as new reservoirs and improvements to various existing yard valves. Construction is nearing completion. Startup and training have begun. Testing of new facilities and equipment began in March 2024 in which testing was completed successfully and was turned over to Systems Control Center for operational control. Demolition of existing reservoirs expected to begin after a 30-day test. Substantial completion scheduled for September 2024.

WATER AND FIELD SERVICES (continued)

Final Completion scheduled December 30, 2024. Site acceptance test for Ovation was completed, project will be moving into 30-day test this month. The cut and cap procedures for the reservoir had to be placed on hold until after peak season.

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

Project Manager: Vittoria Hogue

Project involved right sizing pump 3 at Imlay Pump Station to service the communities west of the station. All equipment has been installed. Upon further investigation, a discussion after the remote testing and the 30-day acceptance test was unsuccessful, it was discovered that Flint uses significantly less now than in 2019, when the project was designed. The pump, as it is currently designed, cannot supply below 10 million gallons per day (MGD), and Flint's current daily range of flows is 7 MGD to 14 MGD. Discussions of installing a recirculation line to send access flow into the reservoir are being had. The contractor is developing a change order to extend the contract and add funds to the contract to cover the additional work.

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

Project Manager: Jorge Nicolas

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

SYSTEM RESILIENCY

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

Energy Management

OSR organized an Executive Leadership Team "meet and greet" with DTE executives and representatives at their Detroit Headquarters to review resiliency efforts by DTE and develop clear lines of communication in emergencies. The visit also included a tour of their System Operations Center to understand how they manage production, transmission, and distribution during normal and emergency operations.

Mini Panicker, Director of Energy and Resiliency, continued work on several ongoing initiatives, including: support to Finance in developing accurate year-end summaries of energy usage and costs, as well as prepare projections for future energy budgets; working with Procurement to secure a vendor for LED lighting updates for the remaining water and sewer pump stations; and working with Wastewater to kick off a Dynamic Pump Optimizer on the Intermediate Lift Pumps at WRRF.

SYSTEM RESILIENCY (continued)

We continue to study power quality issues at Wick Road and Ypsilanti stations and are implementing a comprehensive data-gathering process. This data includes issues such as sags, swells, and harmonics, as well as the sources of these incidents and the meters/equipment affected. This information helps identify whether the root causes are internal or external factors.

Knowledge Capture

Organizational Development and OSR met to continue work on incorporating training videos and learning objectives into the Workday system.

Two additional videos focusing on wet weather management are in production and are targeted for release in September.

Tom Hall, Director of Operations and Resiliency, supported Water Transmission and Wastewater Conveyance on various issues related to equipment failures, maintenance, flow control, and urgent operational strategies to address system needs.

In addition, we initiated a podcast series, “Pod Sustain GLWA” with members of the Water Transmission and System Control Center groups to further promote discussions and knowledge transfer in a forum with low administrative overhead that preserves the conversation for others interested in how the Water Transmission system works. This first podcast covered topics from the lesser used pump stations, use of line and reservoir pumps, achieving more efficiency in tackling water main breaks, staffing, flow management, intake maintenance, and a discussion on wooden water mains. Although there are wooden water mains in the ground, none of them are in service.

Systems Resiliency

In addition to continuing to enhance the online equipment status and online reporting platforms, Biren Saparia, Director of Systems and Resiliency, is continuing with several initiatives that he began under his previous role directing the Systems Control Center. These include support in development of contingency plans to address various capital improvement plan shutdowns, contingency planning for emergency scenarios that may arise from inspections conducted under the Linear Systems Integrity Program, and support to Water Engineering in evaluating operational requirements to be used in developing the basis of design for capital improvement projects.

Biren is also working with the Engineering and Metering groups to ensure that limitations and disruptions due to planned work are coordinated and do not pose unacceptable risks or performance.

SYSTEM RESILIENCY (continued)

Flood Resiliency

As noted last month, GLWA and the US Army Corps of Engineers (USACE) have signed the agreement to complete the Southeast Michigan Flood Resiliency General Investigation study. The extensive technical design charrette with key stakeholders to establish the broad goals and objectives of the work is scheduled for September 16 - 18 at SEMCOG's facilities. The public signing ceremony is scheduled for September 30. Planning, Public Affairs, and Member Outreach are supporting Resiliency and USACE to ensure all interested parties participate in this important study.

Resiliency Summit

OSR continued to collaborate with several University of Michigan offices to design and deliver an educational summit on power and water resiliency in the utility space. The effort is still in the conceptual phase.

INFORMATION TECHNOLOGY

IT Security

In the past month, the IT Security team has proactively blocked or thwarted 47,249 spam messages, 4,810 spoofed messages and 17 viruses. Additionally, 5,668 phishing attempts have been caught and 5,059 malware attempts have been blocked.

IT Business Productivity Systems

The IT Business Productivity Systems team, in collaboration with Payroll and OD, has developed new Workday time approval functionality that eliminates the need for timekeepers to visit multiple screens, and reduces clicks needed to approve time. Timekeepers and delegates will be trained over the next three weeks to use this improved functionality, and the functionality will be available for use for the first payroll cycle in September.

In addition, IT Business Productivity Systems team continues to stabilize the Workday implementation post financial system (FINS) go-live that occurred on July 1. This includes responding to access modification requests, integration stabilization, and other configurations.

INFORMATION TECHNOLOGY (continued)

IT Enterprise Asset Management Systems

The IT Enterprise Asset Management Systems Team along with our consultant partner, NEXGEN, and GLWA's Enterprise Asset Management Group completed the training materials for the go-live workflows as well as the concluded the System Administration training for the NEXGEN Enterprise Asset Management (EAM) implementation. Train-the-Trainer and Power User training sessions are ongoing in August.

Train-the-Trainers and Power Users will partner with the Project Management Team to train team members throughout GLWA in both tablet and web workflows on how to successfully use the configured NEXGEN system for the November 2024 go-live.

In addition, in conjunction with the IT Customer Service Delivery team, the Android tablet deployment and related Intune mobile device management enrollment are being completed over the next few weeks. Final integration testing, data migration, and go-live cutover planning and activities have begun.

IT Customer Service Delivery

The IT Customer Service Delivery team in collaboration with the IT Infrastructure Telecom team, our AT&T partners and our Lakeshore Global partners completed the installation of Disaster Recovery devices for one of GLWA's Emergency Operations Command Centers (EOC). The EOC is one of the centralized locations of emergency response and recovery support operations during incidents. Its members support and help coordinate GLWA operations during emergency events. These devices will serve to support the EOC by remaining charged, updated, and on GLWA's business network 24/7, 365 days a year.

IT Project Management Office (PMO)

Currently, the IT PMO is managing 17 active projects and is processing 13 project requests. The PMO is also assisting with 32 initiatives.

PUBLIC AFFAIRS

Another Successful Team Member & Family Open House

Public Affairs planned and hosted GLWA's third Open House and Plant Tour at Water Works Park Water Treatment Plant for all GLWA team members and their guests on Saturday, August 3, 2024. New additions to the event included a DJ booth and a 360-degree video booth, which were both big hits.



CEO Sue Coffey and COO – Water & Field Services Cheryl Porter pose for a photo during the Team Member & Family Open House

There were also guided tours, interactive water-related games and activities, and vehicle demonstrations from our HAZMAT team and Water Operations trucks. Nearly 200 team members and their family and friends attended the event.

Linear System Integrity Program (LSIP) Website Launch

Public Affairs worked in partnership with Enterprise Asset Management to design and launch a new website for GLWA's LSIP. The ongoing pipeline assessment and renewal program is designed to proactively assess water transmission mains and wastewater interceptors, while renewing deteriorated pipelines to reduce the impacts of failures, improve service levels and increase the reliability of GLWA's linear assets. The public and our Member Partners can stay up to date on the program by visiting the site. To visit the webpage, click [HERE](#).

CEO Visit to Springwells and Lake Huron Water Treatment Plant

Public Affairs facilitated visits from CEO Sue Coffey to our Springwells and Lake Huron Water Treatment Plants. Team members were able to enjoy a meal and a conversation with Sue and other members of the Executive Team through the course of the workday. Sue also continued her commitment to group meetings with Team Leaders.

PUBLIC AFFAIRS (continued)

Freud Pump Station Community Outreach Meeting

Public Affairs provided audio/visual and technical support for a community meeting in the Jefferson-Chalmers community on the proposed new Freud Sanitary Pump Station. The community meeting at East Lake Baptist Church featured members of the GLWA team speaking about the design and construction plans for the project.

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 188 hours of training during the month. The group also had a total of 467 online training hours for the month of July.

The group began rolling out our new “See Something/Say Something” campaign and has begun Active Shooter training/discussions with GLWA team members.

Security and Integrity coordinated meetings with FEMA, Michigan State Police and Detroit Homeland Security, and conducted a site visit at WRRF.

Lastly, Security and Integrity has updated and distributed the 2024 issue of GLWA’s all-hazard Emergency Response Plan.

ORGANIZATIONAL DEVELOPMENT

Performance Team

The Final Performance Review cycle has concluded. Merit adjustments were implemented for eligible team members on the last pay in July.

The 2024-2025 Baseline Goal Planning Performance Review for Union and Non-Union Team Members was launched in Workday on Wednesday, July 24, 2024.

Internships

On July 16, Pat Butler, OD Director, hosted a webinar for the interns titled "Growing Your Career" which provided the interns with tools they need to be successful in their profession.

ORGANIZATIONAL DEVELOPMENT (continued)

On Tuesday, July 30, 2024, 20 interns participated in a tour of WRRF to learn about the wastewater process.



Water Resource Recovery Leadership Team Melvin Murphy, Sajit Patel, Sait Georae, OD Performance Team, and GLWA Interns

Apprenticeships

All GLWA apprentices are enrolled in related training instruction courses for fall 2024.

During the past month:

- Two Electrical Apprentices passed the State of MI Electrical Journeyman Exam.
- One Instrumentation Technician Apprentice received an associate's degree in industrial technology.

On Thursday, July 25, 2024, the OD Performance Team and Operations teams hosted eight Focus: HOPE students and two Focus: HOPE faculty on a tour of Water Works Park and WRRF. These students recently completed the GLWA Pre-Apprenticeship PLUS program and will interview for GLWA's current apprenticeship openings.



Andrae Savage, WWP Operations Manager



WWP tour - Group Picture



Sajit George, Manager WRRF

ORGANIZATIONAL DEVELOPMENT (continued)

The students gained first-hand knowledge about water and wastewater operations, interacted with current and former apprentices and journey workers, and learned more about our successful apprenticeship programs.

Training

During July, **36** instructor-led training courses were delivered to **268** GLWA team members totaling **131** instructor-led training hours. In addition, **66** online-self-paced training courses (e.g., KnowBe4) were completed totaling **91** self-paced training hours. Also, **13** GLWA team members completed **23** 360Water online courses.

Staffing

Talent Management

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

Number of New Hires	8
Number of Separations	5
Total Staffing – Regular FTEs (YTD)	1044

FINANCIAL SERVICES AREA

July 2024 Audit Committee Recap

The July 2024 regular monthly Audit Committee meeting was cancelled. The next regularly scheduled meeting was Friday, August 23, 2024. Note that GLWA Audit Committee binders are publicly available at www.glwater.org/financials/.

Vendor Outreach Update

On September 26, 2024, GLWA will host the annual Vendor Outreach event at the Auburn Hills Marriot Pontiac in Pontiac, Michigan. This year’s event will open with a general session featuring presentations by GLWA leadership, an open Q&A session, and a panel discussion showcasing five GLWA prime contractors on how they select subcontractors. Two concurrent breakout sessions will then follow where Vendor attendees may choose to participate in a construction and engineering track discussion focusing on GLWA’s Capital Improvement Plan (CIP) or a services and goods track focusing on how to successfully respond to GLWA opportunities and GLWA’s Vendor Performance Assessment (VPA) Program.

FINANCIAL SERVICES AREA (continued)

In addition, resource tables available during the event will enable attendees to talk one-on-one with members of the GLWA Procurement and Accounts Payable Teams as well as representatives from the Business Inclusion and Diversity (B.I.D.) Program, and the Detroit Water and Sewerage Department (DWSD) Procurement Department.

Interested Vendors are encouraged to pre-register at [Whova Registration page](#) and download the free Whova App to connect with other attendees before and after the event. GLWA looks forward to continuing to connect and build relationships with the Vendor Community.

Charges Outreach & Modeling Update

Charges Outreach and Modeling (CO&M) Manager, Matt Lane, participated in a remote meeting with the Environmental Protection Agency, Michigan Department of Environment,



Matt Lane, Charges Outreach and Modeling Manager, GLWA

Great Lakes and Energy, Wisconsin Department of Natural Resources and the City of Milwaukee Water Works to discuss funding opportunities for resiliency projects.

The CO&M team also attended the One Water Partnership meeting at Schoolcraft College in Livonia. Matt was able to provide an update to our member partners regarding changes to the GLWA billing invoices due to the implementation of Workday. He successfully walked the partners through what they would be seeing on upcoming bills as well as answer any questions that arose during the session.

In addition, at the One Water Partnership meeting, the participants recognized the contributions of our charges consultant, Bart Foster, as he was awarded the True Partnership Award for his nearly 40-year career serving GLWA and DWSD.



Pictured left to right: Nicolette Bateson, GLWA, Bart Foster, The Foster Group, and Suzanne Coffey, P. E., GLWA

Lastly, the CO&M and Procurement teams successfully conducted in-person interviews with firms bidding on the Request for Proposal for Water and Wastewater Charges Consultant. GLWA put together a review team of member partners from across the region to collaborate and participate in the process. Representatives from Oakland, Macomb, Wayne and the City of Detroit (DWSD) were engaged in preparing for and conducting oral interviews. We expect to bring a recommendation to the Audit Committee and Board of Directors in August.

FINANCIAL SERVICES AREA (continued)

Affordability & Assistance Update

Haran Stanley, the Affordability & Assistance Management Professional, served as the co-chair of the American Water Works Association Michigan Section Women On Water (WOW) group alongside Lashone Bedford, Manager of Strategic Planning and Development. Lashone has been the chair of this group for over eight years and has been single-handedly leading the charge to create new networking opportunities for women to come together in the water industry. Recently, Lashone accepted a role on the Michigan sector's Board of Trustees and will be relinquishing her position as WOW's chair. Haran was asked, and agreed, to accept the role of chair for this prestigious group.



The Affordability & Assistance team also continues to facilitate meaningful conversations with local lawmakers and key stakeholders about the importance of both short- and long-term water affordability goals, not only for our GLWA regional households but also for households statewide.

Financial Services Update

GLWA Workday Financial Services (FINS) continues to rollout training for the new system that launched on July 1, 2024. GLWA offers online, drop-in, no reservation necessary Workday knowledge sharing sessions for all team members. These sessions will continue through the month of August and will cover tips and tricks from our experts in Information Technology, Accounts Payable and Procurement. In addition to providing helpful insights to team members, it also allows team members the opportunity to ask questions or discuss challenges they are experiencing while navigating the new system.

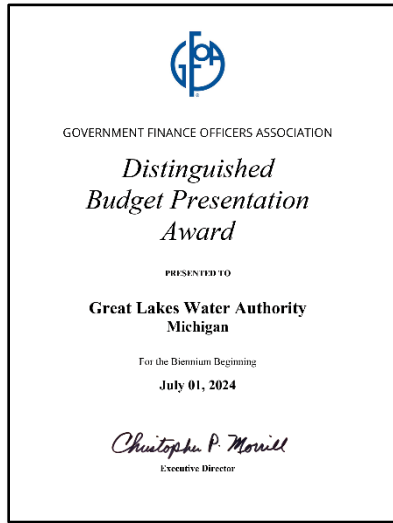
GFOA Distinguished Budget Award

For the sixth year in a row, GLWA has been recognized with the Government Finance Officers Association (GFOA) Distinguished Budget Presentation Award. The award represents a significant achievement by GLWA, reflecting the commitment of the governing body and staff to meet the highest standards of governmental budgeting. To receive the budget award, GLWA had to satisfy nationally recognized guidelines for effective budget presentation. These guidelines are designed to assess how well an entity's budget serves as:

- a policy document
- a financial plan
- an operations guide
- a communications device

Budget documents must be rated "proficient" in all four categories, and in the fourteen mandatory criteria within those categories, to receive the award.

FINANCIAL SERVICES AREA (continued)



In addition to receiving the award, GLWA's budget document received special recognition in the following categories:

- Performance measures
- Long-range operating financial plans
- Strategic goals & strategies

Special recognition is given when all reviewers of the document give the highest possible score in particular categories.

There are over 1,700 participants in the Budget Awards Program. The most recent Budget Award recipients, along with their corresponding budget documents, are posted quarterly on GFOA's website. Award recipients have pioneered efforts to improve the quality of budgeting and

provide an excellent example for other governments throughout North America.

Procurement Pipeline

The August 2024 Procurement Pipeline is attached. This edition includes valuable information about the 2024 Vendor Outreach event including how to attend as well as the breakout opportunities available to our partners. This month's Pipeline also includes a list of upcoming solicitations.

OFFICE OF THE GENERAL COUNSEL

- ***Legislative Updates:*** The Office is monitoring infrastructure spending bills at the federal and state level, supporting the activities regarding proposed water affordability legislation, and working with others to develop state storm water utility legislation. In July, General Counsel (GC) Jones accompanied CEO Coffey and Deputy CEO Wolfson in meetings with state legislators in Lansing to discuss various GLWA projects and capital improvement plans.
- ***Gordie Howe International Bridge:*** GLWA filed a notice of claim with the Court of Claims related to its relocation claim.

June and July 2021 Rain Events: The Office is providing legal support in response to the significant rain events in June and July 2021. Recently, the trial court dismissed most of the lawsuits against GLWA based on governmental immunity. The Plaintiffs are appealing the decision. The Court recently dismissed an additional lawsuit related to the July 2021 storm event. The Plaintiffs are also appealing the decision. This month, the General Counsel's office accepted service of two new lawsuits regarding the 2021 rain events.

OFFICE OF THE GENERAL COUNSEL (continued)

- ***Negotiations with the City of Dearborn:*** This office is currently in the process of scheduling appointments to meet with the City of Dearborn regarding terms of a Water Service Contract. Dearborn's City Attorney recently provided Dearborn's edits to the proposed contract. GLWA will meet and confer and respond accordingly.
- ***Highland Park Settlement Agreement:*** On February 14, 2024, the GLWA Board voted to approve of the settlement agreement in final (or next to final) form. On March 18, 2024, the Highland Park City Council unanimously approved the Settlement Agreement between GLWA and the City. When the Settlement Agreement is fully executed, the trust incorporated as a part of the Settlement Agreement is funded, and initial distributions from the trust are received, the Highland Park litigation will be closed. The trust has been funded and the initial distributions from the trust have been received. On June 10, 2024, the following Stipulated Orders were submitted to the Court: a stipulated order to dismiss the 2014 case; a stipulation for dismissal of the 2023 appeal from the 2014 case; a stipulated order for dismissal of the 2020 case; and a stipulated order for release of the cash bond to GLWA in the federal case. As of this reporting, all Stipulated Orders have been entered by the courts, and the cash bond in the federal case has been returned to GLWA.
- ***Mays, et al v GLWA:*** The Court recently entered an order partially granting GLWA's Motion for Summary Disposition and partially dismissing Plaintiffs' claims.
- ***Trenton Water Main:*** The Office is negotiating the transfer of the 24-inch water main to GLWA.
- ***Contract Negotiations:*** The Office is negotiating 30-year wastewater disposal services contracts with sewer member partners that do not have a model contract.
- ***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. Associate General Counsel, Lavonda Jackson, attended the webinar "Beyond the Hype: The Reality of AI-Powered CLM."
- ***Record Retention Policy:*** The Office has received approval for GLWA's record retention policy from the State. The Office has finalized GLWA's Record Storage and Disposal Policy to work hand in hand with the record retention policy. Kirsten Silwanowicz and Zac Brown presented at GLT and has been conducting training for all GLWA team members to implement these policies.

OFFICE OF THE GENERAL COUNSEL (continued)

- ***Industrial Pretreatment Program (“IPP”)***: The Office also continues to provide assistance on PFAS and PFOS matters, including comments on the new drinking water regulations and negotiating an administrative consent order with an industrial user.
- ***Real Estate***: The Office is working to secure 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.
- ***Main Relocations***: The Office continues to support water operations in its discussions with community stakeholders regarding water main relocations.
- ***Civil Litigation and Arbitrations***: The Office continues to vigorously defend actions against GLWA. In October 2023, the Board authorized settlements of key litigation including a class action lawsuit regarding IWC charges and the collection actions against Highland Park. The Office is working on implementing those resolutions.
- ***Labor Relations***: The Office continues to provide legal advice to Organizational Development on labor relations and employment matters.
- ***Procurement***: The Office continues to assist GLWA’s Procurement Team negotiate contracts, change orders and amendments and interpret contractual provisions. The Office is also assisting with the Procurement Policy’s Procedures and updating GLWA’s template contracts. The Office is part of a cross-functional team working to complete significant revisions to the GLWA construction contract, including consideration of using an entirely new contract format. The Office continues to provide advice on federal grant compliance.

Statistics:

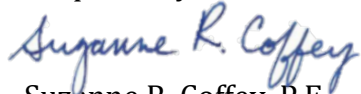
	#
Contracts approved as to form:	34
Contracts drafted or revised:	97
Subpoenas/Information requests received:	8
Subpoenas/Information responded to:	7

OFFICE OF THE GENERAL COUNSEL (continued)

Professional Development Accomplishments

- Kirsten Silwanowicz served as moderator for the ABA Grant Law & Intellectual Property Committee Meeting regarding a presentation called the Intellectual Property Issues in Federal Assistance. This presentation addressed the complexities and considerations of intellectual property (IP) when dealing with federal funding and grants. It guided stakeholders—such as grant recipients, federal agencies, and legal professionals—through the various IP issues that can arise during the lifecycle of federal assistance agreements.

Respectfully submitted,



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

SRC/dlr

Attachments: March Executive Summary; August 2024 Procurement Pipeline



Key Financial Metrics

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

Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Staff reviews the need for budget amendments quarterly and requests necessary amendments when required based on the most current information available. Second quarter budget amendments will be presented to the Board of Directors at the May 22, 2024 meeting and are reflected in this report.

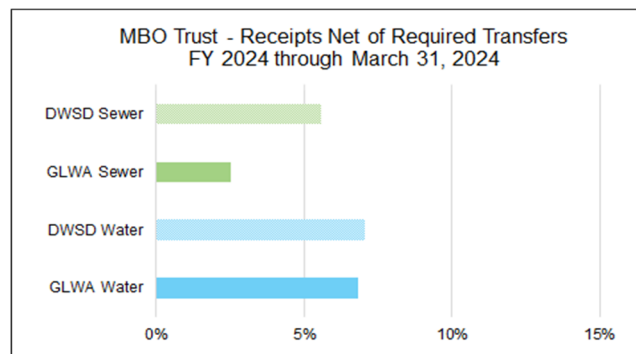
For the current year, water and sewer capital spend and investment earnings reflect variances to budget outside the normal range. Capital spend variances reflect evolving changes in timing that the Capital Improvement Planning group continues to monitor and review. Investment earnings activity is monitored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

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

As of March 31, 2024					
Metric	FY 2024 Budget	FY 2024 Amended Budget	FY 2024 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$258.8	\$254.1	\$254.1	0%	49
Wholesale Water Billed Usage (mcf)	10,062,000	9,546,000	9,589,000	0%	
Wholesale Sewer Billed Revenue (\$M)	\$211.5	\$211.5	\$211.5	0%	51
Wholesale Water Operations & Maintenance (\$M)	\$114.7	\$125.2	\$120.0	-4%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$154.2	\$165.0	\$163.3	-1%	
Investment Income (\$M)	\$11.5	\$34.9	\$43.3	24%	38
Water Prorated Capital Spend w/SRA* (\$M)	\$179.4	\$142.5	\$124.8	-12%	29
Sewer Prorated Capital Spend w/SRA* (\$M)	\$149.3	\$104.9	\$86.4	-18%	30

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

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



Net cash flow receipts remain positive for GLWA Water and Sewer. This means that all legal commitments of the MBO Trust and the lease payment are fully funded – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water reports a surplus of \$6.7 million and DWSD Sewer reports a surplus of \$12.7 million of net receipts over disbursements through March 2024.

Budget to Actual Analysis (page 3)

- The FY 2024 information includes the proposed second quarter FY 2024 budget amendments pending approval by the GLWA Board of Directors.
- The total Revenue Requirements are on target through March 2024.
- The total overall Operations & Maintenance expenses are at 72.9% of budget through March 2024. This positive variance equates to a dollar amount of \$8.4 million.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for March 2024 is \$66.9 million for the Water fund (24.4% of total revenues) and \$88.5 million for the Sewer fund (24.0 % of total revenues).
- Water Net Position increased by \$ 10.8 million, and Sewage Disposal Net Position increased by \$ 38.3 million for the year to date through March 2024.

Capital Improvement Plan Financial Summary (page 28)

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

Master Bond Ordinance Transfers (page 31)

- For March, transfers of \$13.8 million and \$18.7 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for March, transfers of \$5.6 million and \$6.9 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 38)

- Total cash & investments are \$640 million for Water and \$769 million in the Sewer fund.
- Total, combined, cumulative, FY 2024 investment income through March is \$43.3 million.

DWSD Retail Revenues, Receivables & Collections (page 42)

- Water revenue through March 31, 2024 is 104.78% and usage is 104.47% of budget.
- Sewer revenue through March 31, 2024 is 98.43% and usage is 101.16% of budget.
- Combined accounts receivable balances for the water and sewer funds report a decrease of \$10.7 million over the prior year.
- Past dues over 180 days make up of 67.2% the total accounts receivable balance. The current bad debt allowance covers over 98.1% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 48)

- Average wholesale water collections for the period of April 2023 through March 2024 are trending above the prior year.
- Average wholesale sewer collections for the period of April 2023 through March 2024 are trending above the prior year.

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

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

GLWA's 2024 Vendor Outreach Event

In the July 2024 edition of the *Procurement Pipeline*, we announced that GLWA will be hosting a Vendor Outreach Event on September 26, 2024. GLWA's event will be held in-person at the Auburn Hills Marriot Pontiac in Pontiac, Michigan and will help both existing and new vendors learn more about doing business with GLWA. Interested Vendors are encouraged to pre-register at the [Whova Registration page](#) and download the free Whova App to connect with other attendees in advance of the September event. An overview of the event agenda is included below.

7:30 a.m. – 8:30 a.m. Registration & Breakfast

Vendors may come early to register, enjoy breakfast, and network with other vendors.

8:30 a.m. – 10:25 a.m. General Session

A welcome from GLWA CEO Suzanne Coffey will precede presentations on GLWA's Financial Outlook, Ethics in Public Procurement, What's New in Procurement, and an open Q&A session. In addition, a panel discussion on "How we Select our Subcontractors" featuring five GLWA prime contractors facilitated by GLWA's Chief Procurement Officer will follow.

10:40 a.m. – 12:00 p.m. Breakout Sessions

Vendors may attend one of two concurrent breakout sessions. The first is a construction and engineering focused breakout session that features GLWA's Capital Improvement Plan (CIP) Project Management Plan rollout as well as project delivery schedules. The second is a services and goods focused breakout session that features a panel discussion on how to successfully respond to GLWA requests for bid or proposal as well as a

presentation on GLWA's Vendor Performance Assessment program.

10:40 a.m. to 12:00 p.m. Resources & Networking

Vendors will have the opportunity to talk one-on-one with members of the GLWA Procurement and Accounts Payable Teams as well as representatives from the Business Inclusion and Diversity (B.I.D.) Program, the Affordability and Assistance Program, and the Detroit Water and Sewerage (DWSD) Procurement Department among others.

Any additional questions about GLWA's Vendor Outreach Event, or how to register, may be directed to GLWAVendorOutreach@glwater.org. We look forward to seeing you there!

Virtual Vendor Introduction Meetings

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

Keeping up with GLWA

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

Category	CIP #	Description/Project Title	Budget Estimate
Water System (next four to nine months)			
Construction	111001	Lake Huron Water Treatment Plant – LH-401 Switchgear and Low Lift Improvements	\$100,000,000
Construction	122016	Downriver Transmission Main Loop – Phase 1 – Inkster Rd	\$21,000,000
Wastewater Systems (next four to nine months)			
Construction	260510	CSO Outfall Rehabilitation Phase VI	\$10,000,000
Construction	260206	Rehabilitation of 7 Mile Sewer System	\$30,000,000
Construction	211005.2	WRRF Pump Station 2 VFD Replacements	\$12,000,000
Design	270007	CSO Facility Disinfection Improvements	\$2,000,000
Construction	270006	CSO Facility Improvements II	\$15,000,000
Construction	260904	Renovation of the New Administration Building 3 rd Floor	\$3,300,000
Water System (next three months)			
Professional Services	O&M	Above/Below Ground Fuel System Maintenance	\$900,000
Design	113010	Southwest WTP Flocculation Improvements	\$4,933,000
Construction (Design Build)	112008	Northeast WTP Filter Replacement	\$85,550,000
Wastewater (next three months)			
Design	270001	Pilot Netting and Disinfection Facilities at B03, B04, and B05	\$8,000,000
Design	270010	Puritan Fenkell and Seven Mile HVAC improvements	\$1,200,000
Construction	232002	Conner Creek Pump Station Improvements	\$36,000,000
Projects moved to Procurement Team (Preparing for solicitation on Bonfire)			
Construction (Design Build)	122004	96-Inch Water Transmission Main Relocation - Phase III	\$90,000,000
Professional Services	O&M	WRRF CSO and SPS Generator Preventative Maintenance	\$400,000
Professional Services	O&M	Lake Huron Water Treatment Plant Sludge Removal and	\$3,300,000
Professional Services	O&M	Emergency Standby Generator Preventative Maintenance	\$2,910,225
Construction	170306	Instrumentation and Control System Plant - wide SCADA Upgrade	\$3,340,000
Professional Services	O&M	Environmental Health and Safety Assistance	\$2,000,000
Professional Services	O&M	Water and Wastewater Pumping Stations LED Lighting Upgrades	\$7,500,000
Professional Services	O&M	Staffing Services	\$750,000
Professional Services	O&M	Investment Services	\$2,200,000
Professional Services	O&M	Janitorial/Housekeeping Services	\$8,830,804
Professional Services	O&M	Vinyl Graphics and Installation Services	\$155,000
Professional Services	O&M	Floor Covering Supply and Installation Services	\$246,000

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

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