



Office of the Chief Executive

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

January 25, 2023

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – January 25, 2023

Dear Chairperson Hendrix and Directors:

I am incredibly proud to begin this month's update by sharing that earlier this month, the American Water Works Association's (AWWA) Board of Directors selected our own Cheryl Porter, Chief Operating Officer (COO) of Water and Field Services, to be AWWA's next president-elect. Cheryl is certainly a trailblazer within the water sector, and her election marks the first time that an African American will serve as president of the AWWA, which represents more than 50,000 members across the world. Cheryl's term as the incoming president-elect will begin in June, and she will become president in June 2024. Please join me in congratulating Cheryl on this prestigious and exciting role, where she will continue to break barriers and lead and support the work of water professionals across the nation and beyond!

As we continue our focus on recruitment and retention, I wanted to inform you of the advancement of two highly skilled and capable team members within Water Operations. First, Terry Daniel has been promoted to the new position of Deputy Chief Operating Officer, Water and Field Services. In this new role, Terry will assist Cheryl Porter in overseeing the operation and maintenance of GLWA's five water treatment facilities, as well as the System Control Center, Water Engineering, Field Services, and the Water Quality Group. He has more than 30 years of professional/technical experience, rising through the ranks from a Water Plant Operator Apprentice at the Detroit Water and Sewerage Department to his more recent position as Water Operations Director at GLWA.

Next, I am pleased to share that Ronald Hayes, has been promoted to Water Operations Director. Ron has spent more than 30 years in the water sector holding increasingly more responsible positions of leadership within DWSD and GLWA, most recently serving as manager of our Southwest Water Treatment Facility. Please join me in congratulating them, as I know that they will continue to do good work in their new roles, which I am certain will provide great support to Cheryl as she begins her AWWA leadership tenure.

As a part of these workforce development efforts, I would also like to let you know that we continue to focus on our Apprenticeship Programs, with interviews for a new cohort of Electrical Instrumentation Control Technicians (EICT-I) beginning this month. Our current class of Maintenance Technician apprenticeships is also scheduled to graduate in 2023.

Over the last several months, we have been moving through our annual member outreach process to roll out our proposed budget and charges for the upcoming fiscal year. As usual, we have held four meetings to provide a comprehensive outline of this proposed FY 2024 information, as well as held one-on-one meetings with Member Partner communities to answer their individual questions. You will be receiving a full presentation of this information at your January 25, 2023, Board of Directors meeting.

As many of you may know, the United States Congress passed an Omnibus Spending Bill at the end of 2022. This legislation contained two provisions of importance to GLWA and our region. First, GLWA was allocated a congressionally directed appropriation in the amount of \$3,452,972 to support our PFAS response and mitigation efforts. Second, GLWA received programmatic authorization under the Water Resources Development Act (WRDA) for the United States Army Corps of Engineers (USACE) to perform a flood mitigation study for southeast Michigan. Both the U.S. House and the U.S. Senate individually approved funding for this study, however, in a press to finalize year-end legislation, this appropriation could not be included in the Omnibus Spending Bill. USACE has indicated that it may have other funds available to begin working towards this study and we will seek an appropriation from the new Congress that began its term in 2023. I want to thank our Congressional delegation, our Board, our Member Partners, and everyone who worked so hard to support these efforts.

As I do in all my monthly reports to the Board, I will end with recognition of the hard work of our team members across GLWA. First, it gives me great pride to acknowledge the team of our Southwest Water Treatment Facility who has achieved the Partnership for Safe Water's Presidents Award for Treatment Plant Optimization. This award recognizes water treatment facilities for achieving the Partnership's stringent goals for the optimization of individual filter performance. It takes a tremendous amount of hard work by the entire team to achieve this honor, and I know that we are all proud of their efforts!

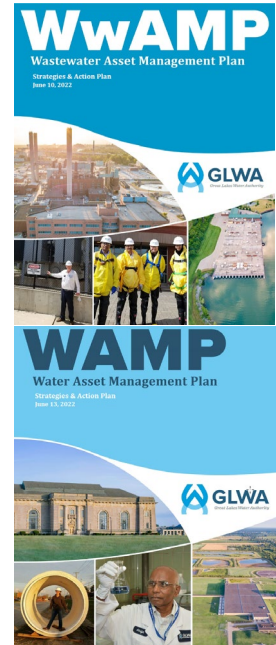
Our teams have also received two state recognitions. One from the Michigan Department of Health and Human Services for continued hard work and collaboration as a part of the SARS-CoV-2 Epidemiology-Wastewater Evaluation and Reporting Network, which continues to provide great value across the state in the fight against COVID-19, as well as another from the Michigan Department of Great Lakes, Environment and Energy commending us for our efforts to protect public health and the environment by implementing our Source Water Protection Program. Keep up the great work, everyone!

PLANNING SERVICES

Asset Management Group (AMG)

GLWA completed the development of the Water and Wastewater Asset Management Plans (AMPs) in June 2022. Besides addressing key areas such as asset profiles, risk, operations and maintenance, and performance metrics, the AMPs identified 12 Tactical Improvement Initiatives (TII) to support continuous improvement initiatives spanning over the next three years.

The Water Asset Management Team (WAMT) and the Wastewater Asset Management Team (WwAMT) established under GLWA's Asset Management Strategic Organization (AMSO) scored the TIIs using a priority ranking from 1 to 3. **TII #1, Define Asset Management Roles & Responsibilities**, and **TII #3, Asset Data and Information** scored the highest recognizing the immediate need for and importance of good data to drive informed decision making especially with the implementation of NEXGEN, GLWA's new Enterprise Asset Management System (EAM). In addition, the need for defined roles and responsibilities to sustain asset management activities and maintain future data integrity in the system is required. Both Water and Wastewater Operations leadership met and collaborated to confirm and endorse the selection of TIIs.



The Enterprise Asset Management Group (EAMG) is facilitating the development of cross-functional sprint teams from Water and Wastewater operations, the Systems Control Center, Field Services, and Combined Sewer Overflow groups to work on the initiatives. Project charters are also being developed to scope the activities required for the successful implementation of the TIIs.

The EAMG has also begun scoping **TII# 4, Digital Solutions to Configure the EAM** to display key data for informed asset management decision-making within the NEXGEN system. The remaining nine initiatives will be reviewed and chartered once these initiatives are underway.

GLWA's Linear System Integrity Program (LSIP) is underway with assistance from our consultant, HDR of Michigan. This program focuses on improving the reliability of our water transmission and wastewater interceptor systems by developing a program to proactively assess the condition of in-service pipelines and identify recommended renewals to reduce the impacts of failures. The LSIP team is nearing the completion of the development of the Water Management Plan (WMP) which will serve as a standardized repeatable process for condition assessment.

PLANNING SERVICES (continued)

Parallel to the development of the WMP, GLWA, and HDR have continued with the planning and design of additional renewals along the 14 Mile Road transmission main. This renewal plan was a result of GLWA'S inspection and condition assessment efforts previously performed on the 14 Mile Road transmission main.



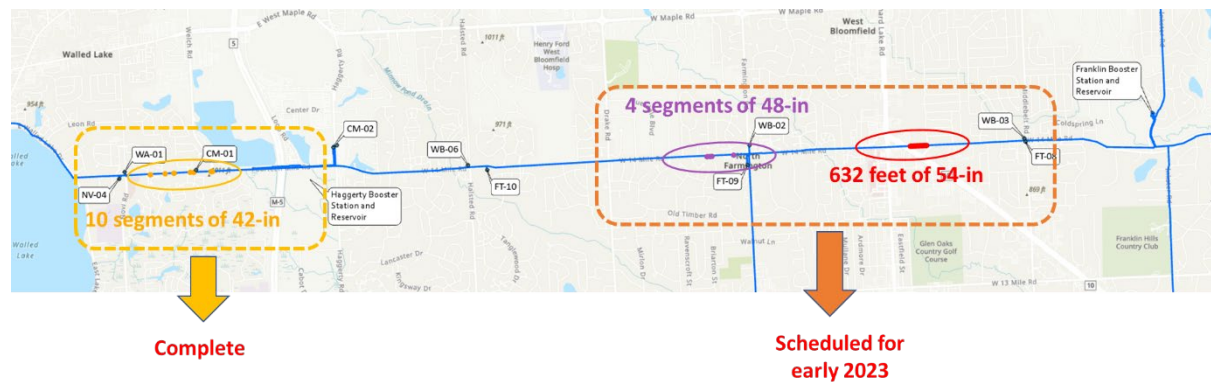
Looking E at pipe 213 to completed CFRP lining



Looking E at Pipe 262 installed layers

Sections of the prestressed concrete cylinder pipe (PCCP) were identified and recommended for renewal in the 42-inch, 48-inch, and 54-inch diameter water main that travels along 14 Mile Road. The renewal efforts were completed on the 42-inch diameter section of the water main in late October and November 2022. In addition, pipeline supports for the DTE gas pipelines that cross GLWA's 54-inch water main were installed last fall as well.

Renewal efforts of the 48-inch and 54-inch diameter water main necessitate the need for the construction of a temporary pump station in Farmington Hills and the operation of emergency connections between member partners to maintain water service to isolate the section of the water main for renewal. This renewal project is expected to commence in mid-January and last through late April. GLWA will continue to work with its member partners during this time to maintain water service.



PLANNING SERVICES (continued)

Work continues on the section of the 120-inch water main that was isolated due to the water main failure in August 2022. GLWA engaged HDR and its team to perform a condition assessment on the section of the 120-inch that was isolated during the shutdown (about 5 miles). The 120-inch Water Transmission Main Condition Assessment Report will be finalized in early 2023. Recommendations from the condition assessment report will be reviewed and implemented along with the inspection of the full pipeline (approximately 26 miles) in 2023.

Capital Improvement Planning Group (CIP)

December 2022 was an exceptionally busy month for the CIP Delivery Team! While actively addressing comments received on discussion Draft 1 FY 24-28 CIP and finalizing Discussion Draft 2, October actuals presented challenges related to FY 23 forecasts and cashflow projections. Addressing FY 23 forecast challenges required re-engaging the CIP Delivery Teams in evaluating projects status and prioritization to achieve realignment with the financial plan. This resulted in postponing the release of discussion Draft 2 FY 24-28 CIP until January. The FY 24-28 CIP Draft 2 report was published the week of January 16 and was presented to the Capital Planning Committee on January 18, 2023. The efforts invested in this unforeseen realignment process by GLWA Leadership, Water Engineering, Finance, and CIP were fundamental to the success of this process.

The CIP team, with support from AECOM, continued to work on the Program Management Plan (PMP) Chapter 11 Safety and 15 CIP Planning.

Systems Planning Group

Water Charge Methodology Review Subgroup

The Water Charge Methodology Review Subgroup met on December 2 to debrief independent third-party charges consultant Raftelis' interviews with Member Partners, which surfaced preferences regarding the charge methodology. The Subgroup also continued discussions about possible changes related to the water charge methodology.

Water Analytical Work Group (AWG)

On December 6, the AWG met in-person for the first time since early 2020. Fifteen members participated in-person; an additional 28 members joined virtually. As the headline topic, consultants Black & Veatch provided an overview of the GLWA Annual System Water Audit. More detailed information related to the water audit is provided in the next section. Finally, the AWG also planned topics for upcoming 2023 meetings.

PLANNING SERVICES (continued)

System Analytics & Meter Operations (SAMO)

On December 6, at the AWG meeting Black & Veatch and SAMO group provided an overview of the GLWA Annual System Water Audit, a quantitative assessment of water production, consumption, losses and leakage across the system. The Water Balance Program was developed using the American Water Works Association’s recommended methods. The presentation included highlights of four inputs to the Water Audit program: water treatment plant pumpage and usage trends, retail vs. wholesale analysis, virtual zones, and master metering.

Key Takeaways:

System Non-Revenue Water:

- Net system water loss trended downward from a high of 77.3 MGD average in 2018 to 43.9 MGD average in 2021.
- A conservative estimate of the financial impact is savings of ~\$200 per million gallons, resulting in cost reduction of ~\$1,486,000 per year. ***Please see Figure 1:***

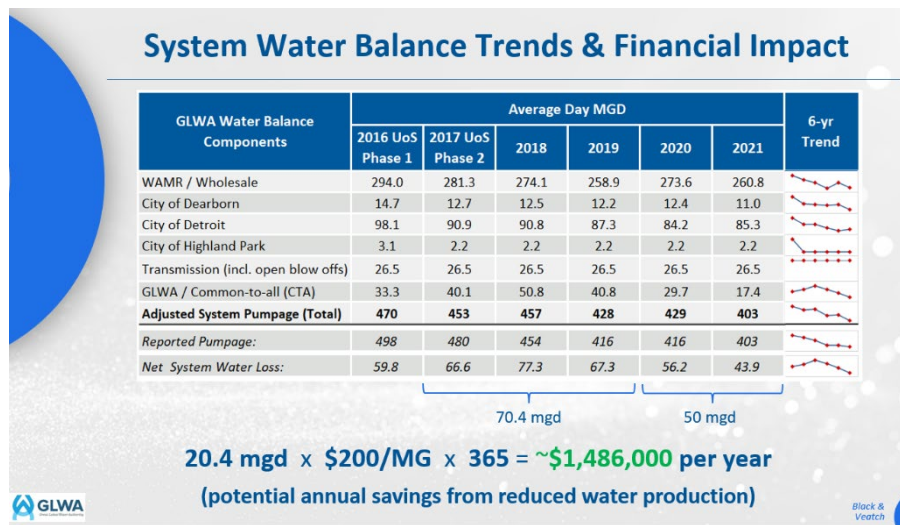


Figure 1: System Water Balance Trends & Financial Impact for the Past 6 Years

- A history of System Non-Revenue Water between 2000 – 2021 shows refinement of non-revenue water loss estimates resulting from various studies, a high of 104 MGD average in 2005 to 43.9 MGD average in 2021. ***Please see Figure 2:***

PLANNING SERVICES (continued)

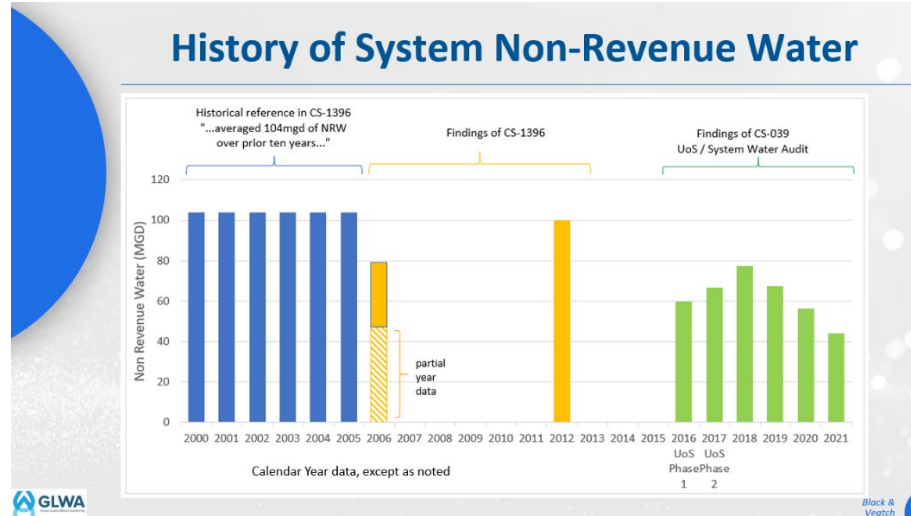


Figure 2: History of System Non-Revenue Water (2000 – 2021)

Water Treatment Plants (WTP): A review of WTP pumpage trends from 2016 – 2021 shows year over year decline in production. Due to improved metering at the Springwells, Northeast and Southwest Water Treatment Plants, data adjustments for 2021 were minimal. All five water treatment plants are planned to be metered by 2025 – 2030.

Wholesale Water Meters: GLWA operates and maintains 291 master metering sites. The SAMO Group continues to progress on the wholesale water meter pit rehabilitation and meter replacement program. The first project of this program started in November 2018. The scope of work includes rehabilitation work at 60-meter pits that have metering and/or meter pit condition concerns. The planned work has been completed at 54 of the meter pit locations and is underway at another four locations. The group is working with the Procurement Group to solicit bids for the second contract of the program. This contract will provide metering and instrumentation upgrades and complete meter pit rehabilitation at 60 additional meter pit facilities.

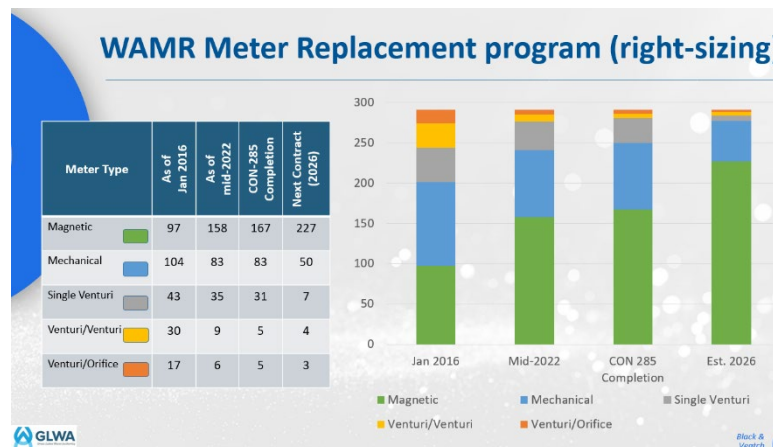


Figure 3: Wholesale water meters by type and program status

PLANNING SERVICES (continued)

- Retail vs. Wholesale sales demand comparison analysis. In developing the scope of work for Phase 3 of the Units of Service (UoS) project, Member Partners requested the inclusion of a task analyzing retail water sales in comparison with wholesale water demands.
 - A cumulative 20 of GLWA's 88 water Member Partners provided retail sales data, including billing frequency, number of retail connections, length of mains and any significant billing adjustments as part of the 2021 or 2022 data requests (or both). The Member Partners providing data comprises 33% of the total WAMR flows. This data was reconciled with WAMR sales data for the purpose of identifying screening-level water loss metrics, trends and anomalies. The analysis found that one community was estimated to have a high level of water loss, another had almost zero loss. GLWA is collaborating with those Member Partners to investigate further.
 - GLWA plans to continue to conduct the Retail vs. Wholesale analysis annually.
- Virtual Zones: As part of the System Water Audit, GLWA developed virtual zones. A virtual zone is a tool, similar to a district metered area, used to analyze input volumes compared to consumption (measured by downstream WAMR meters) to determine water loss. Input is measured through an ultrasonic meter located on discharge headers at booster stations. The project team developed and analyzed three virtual zones: Adams/Franklin, Haggerty and Orion. The three virtual zones comprise almost 14% of total WAMR demand.
 - No significant transmission main losses have been identified after analyzing data for the virtual zones, eliminating those areas of the system as significant sources of common-to-all water loss. GLWA is evaluating other areas within the system for additional virtual zones.

GLWA will publish Black & Veatch's Units of Service and System Water Audit Phase 3 report in early 2023. The GLWA System Water Audit Program will be conducted annually. A scope of work is being developed to continue that work and will include a task to assist members with water audit validation, as well as to support the SAMO team in analyzing virtual zone data. GLWA expects to advertise the request for proposal in the next 3 - 4 months.

WASTEWATER OPERATING SERVICES

Wastewater Operations

Water Resource Recovery Facility (WRRF) operations complied with the Water Quality Standards for the month of December 2022 with the following exception. There was unauthorized primary effluent discharge on December 23, 2022, due to unusual hydraulic conditions in the WRRF.

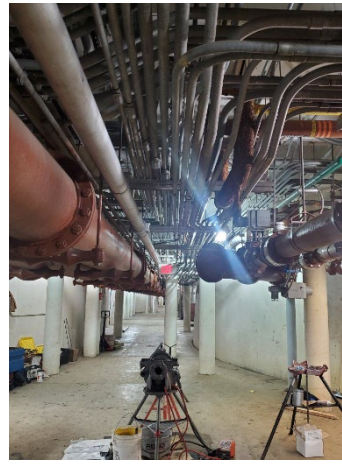
Maintenance

Complex A four-inch Secondary Waterline Replacement Project

In March of 2006, the WRRF Team performed a rehabilitation of Complex A and B sludge thickeners. The four-inch secondary water piping was not included in the rehabilitation. Due to the deterioration of the piping, a project has been started to replace the piping. The purpose of this project is to replace the corroded four-inch secondary piping and branches in the basement of Complex A. The piping supplies seal water to the dewatering pumps and secondary water to other equipment. Since the waterline supply is unable to be shut down for long periods of time, the contractor will pre-install the new pipeline and tie it into the yard piping after a planned shutdown.



Corroded pipe before replacement



Corroded pipe after replacement

The HVAC Team asked Johnson Controls (JCI) to investigate long-running heating issues in the SFE Building. JCI was requested to troubleshoot and restore full operation to MAU-1 (makeup air unit). During the troubleshooting effort, it was found that a step-controller had failed and would not allow proper heat sequencing. They worked with the manufacturer on an approved retrofit since the original parts are obsolete. A new Honeywell controller and T7755 expansion module were purchased. The new controls were replaced, wired, and calibrated for proper operation.



WASTEWATER OPERATING SERVICES (continued)

Process Control Center (PCC)

Rehabilitation of Ferric Feed System at Pump Station #1 Factory Acceptance Test

The contract to rehabilitate the Ferric Feed system includes the installation of new process equipment (pumps, tank valves, and piping) along with instrumentation and controls equipment that will be used to monitor and control the process equipment. The Process Automation and Control System (PACS) Team witnessed the testing of the control system hardware at the control system vendor's facility. The tested hardware included an Ovation Remote Input/Output (RIO) Panel, Remote Operation Station (ROS) and a Network Support Panel.

Testing included forcing each channel of the RIO and verifying that there was a correct response to the ROS. This process verified that the hardware was functional, and that the ovation database was properly configured. In addition, the construction quality of the panels and fidelity of the shop drawing was documented.

Virtual Machine (VM) Servers Software Upgrade

VM Servers are used and administered by the PACS Team to monitor and secure the Operational Technology (OT) System at GLWA. The OT System at GLWA has over 2,300 network connected components. These components include network switches and routers, servers and workstations, controllers, and field devices.

The use of VM servers allows multiple operating systems and their associated applications to reside on a single physical server. The use of VM reduces the hardware cost, takes up less space, and reduces the required energy to perform the required functions. The VM software was upgraded to a newer version to ensure continued operational effectiveness.

Industrial Waste Control (IWC)

The GLWA Rule package became effective October 17, 2022. We are implementing the new rules. We are developing an amendment package to incorporate proposed changes in local pollutant discharge limits (addition of PFAS compounds) in mid-2023, which will require Board action.

A revised Industrial Pretreatment Program (IPP) was submitted to the State of Michigan on October 6, 2021, requesting that GLWA be recognized as an independent Control Authority. EGLE publicly noticed the program on December 16, 2022 and is providing a 30-day comment period before taking further action. The comment period is to end on January 16, 2023.

WASTEWATER OPERATING SERVICES (continued)

Engineering and Construction

Design Projects

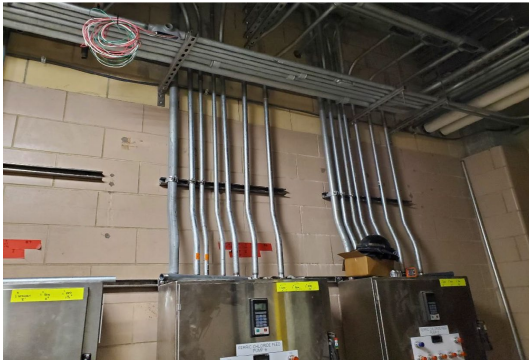
CIP 211006, Contract No. CS-102 - Pump Station 1 Improvements (WRRF).

The construction contract is going for Board approval on January 25, 2023. Wade Trim submitted conformed specifications and drawings to GLWA on January 4, 2023, to send out to the contractor. Wade Trim provided discharge gate revised submittal review comments on the gate portion only to the vendor (J&S) on December 30, 2022. This was done to start the manufacturing process to receive all gates by June 30, 2023. A meeting was held on January 6, 2023, with Wade Trim's design team and the J&S team to discuss review comments on the actuator portion of the submittal. Pre-procured MAU units are expected to be delivered by May or June 2023.

Construction Projects

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

Conrail has approved plans to jack/bore under the rail spur for installation of the temporary thickened waste activated sludge (TWAS) bypass from Complex B to Complex A to allow chemical cleaning of the existing TWAS (SCB-30) line. Piping and wiring continue for the PS-1 ferric chloride system. Preparations also continue for demolition of the existing ferric chloride tanks. Factory acceptance testing is in process for the control system panels.



Ferric chloride pump control panels

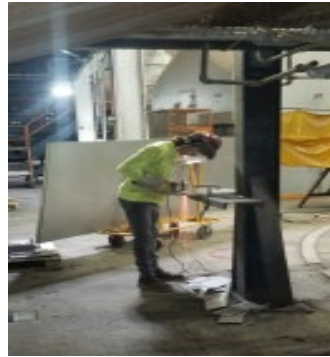


Conduits in Chemical Building

WASTEWATER OPERATING SERVICES (continued)

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

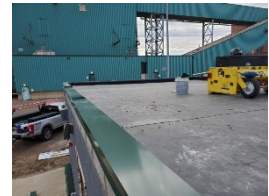
The work is more than 98% complete. The contractor is making final adjustments and corrections in preparation for operational testing planned for mid-January 2023. Change Order No.3 is submitted for January Board approval for 243 days of contract time extension to September 29, 2023.



Belt training idlers modification Screw conveyor chute modifications

CIP 216004, Contract 1802410 – Rehabilitation of various Sampling Sites and PS#2 Ferric Chloride System (WRRF).

Construction of this project is about 95% complete and the contractor is working on the deficiency list items and getting ready for the System Acceptance Test followed by the 30-day performance test. Change Order No. 4 for a 180 daytime extension from February 7, 2023, to August 6, 2023, has been submitted for the January 2023 Board approval. The photo shows roof and parapet wall coping installed at the ML-1 Building.



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

Assessment for New and Old Administration Building are complete. The contractor is currently preparing construction repair documents for those areas that need to be addressed urgently and will submit pricing details to GLWA for review. The contractor submitted a change proposal to repair water leaks identified, and Change Directive A will be processed soon to rectify that situation. The contractor started assessing the exterior and pipe galleries of Complex A and B storage and thickening tanks.

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

A substantial portion (70%) of the structural improvements for high priority repairs have been



completed. Change Order No.1 has been processed for Board approval in January 2023 for additional scope at all CSO facilities except Belle Isle in the amount of \$1.9 million.



WASTEWATER OPERATING SERVICES (continued)

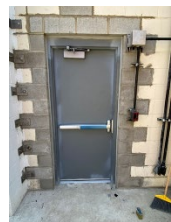
The contractor is working at the Oakwood facility performing crack repairs in basins. The contractor has mobilized at Puritan-Fenkell to perform repairs in hallways, basins, and other parts of the facility. The left photo on the previous page shows new insulation work at Hubbell-Southfield. The right photo on the previous page shows repairs being done at Puritan-Fenkell.

JOC Task 70, Contract No. 2102646 – Complex A Gallery SFP-2 Pump Replacement (WRRF).

The contractor has delivered most of the equipment for this project to the site. The Variable Frequency Drive (VFD) for the new pump motor is expected to be delivered in February 2023. Actual construction and installation will begin as soon as the VFD is delivered to the site. The photo shows the new SFP-2 pump and motor.



JOC 56 - Contract No. 2100576 - Puritan Fenkell Courtyard Access Improvements.



The scope of work for this JOC task includes demolition of existing stairs, exterior block, brick wall for the new man door, installation of new railing and stairs for the existing hatch opening, and the new man door. This JOC task has achieved substantial completion. To address the safe access issue into the hatch, the current Final Completion Date of January 31, 2023, will need to be extended to March 31, 2023. The photo shows the newly installed door.

Contract No. 2101032 - St. Aubin Outfall Improvements.

The effluent conduit at the St. Aubin Screening and Disinfection Facility is undergoing repairs (see photo) to stop infiltration using expanding polyurethane chemical grout. The overall quantity of leaks has been greatly reduced during the grouting operation. The project team plans to perform another inspection later in January 2023 to confirm the condition of the conduit since the last grouting was performed in December 2022. The Substantial Completion Date of this project is February 21, 2023, and the Final Completion Date is May 22, 2023.



CSO Control Program

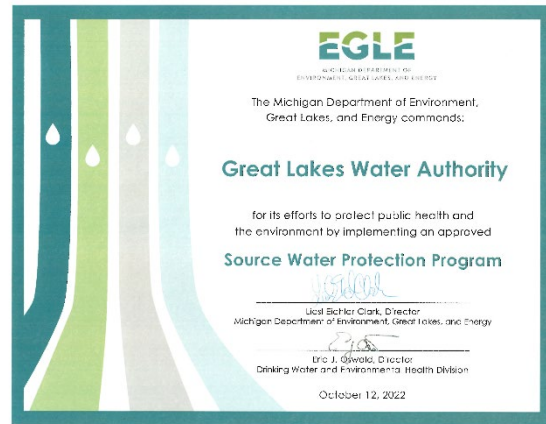
CSO Operations

The CSO facilities experienced wet weather during the New Year's Eve break. There were discharges from three facilities: Conner Creek, Oakwood, and Hubbell-Southfield. The other facilities were captures only.

WATER OPERATIONS

Source Water Protection Program

GLWA was presented with a certificate from the Michigan Department of Environment, Great Lakes, and Energy (EGLE), commending us for our efforts to protect public health and environment by implementing an approved Source Water Protection Program.



SARS-CoV-2 Epidemiology – Wastewater Evaluation and Reporting (SEWER) Network

The Michigan Department of Health and Human Services (MDHHS) presented GLWA with a Certificate of Appreciation, expressing their gratitude for GLWA’s continued hard work and collaboration as part of the SARS-CoV-2 Epidemiology – Wastewater Evaluation and Reporting Network. As wastewater monitoring is being conducted across the state, GLWA plays an important role in helping our communities in the fight against COVID-19.

The network sampled 434 wastewater sites, including more than 100 wastewater treatment plants throughout 58 counties across the state. The results from this sampling have provided useful data to help monitor the spread of COVID-19 in communities and inform corresponding public health responses. Wastewater utility partners are a critical part of this success, and MDHHS appreciates our collaboration with labs at Michigan State University and Wayne State University, in addition to city of Detroit, as well as Wayne, Macomb, and Oakland County Health Departments to help make these achievements possible.



WATER OPERATIONS (continued)

Water Quality

Springwells Water Treatment Plant

Emergency Drill

This month, Springwells conducted an emergency evacuation drill for all staff on-site. Upon activation of the 9-9-9 auto-call signal, all plant staff and contractors on site made their way to the designated primary evacuation gathering point along Warren Avenue. Once gathered, Maintenance Team Leader Karone Law reviewed the procedures for sounding the evacuation alarm and for using the flags outside the Administration Building to determine the safe gathering point (upwind of a potential chlorine release).



Plant staff gathered at evacuation point during drill

Regular drills such as this are important for familiarizing staff with evacuation procedures, as well as finding deficiencies with the plan. During this drill, a lack of bells sounding in the 1930 Filter Building was noted, and afterwards new bells were installed by plant electricians to correct this.

480V Feeder 8A/Low Lift Diving Resumed

On November 3, 2022, the cable from 480V feeder breaker 8A Filter Chemical Building breaker swbd-a failed. This caused a power loss to the alum and phosphoric acid feed pumps. Power was restored by closing the tie and feeding power from Filter Chemical Building breaker swbd-b. An emergency generator has been temporarily installed to back up breaker swbd-b until the other cable can be replaced.



Emergency generator/Low Lift area

Water Quality

Detroit 42" Water Main Break

On November 29, 2022, GLWA was notified by the Detroit Water & Sewerage Department (DWSD) of a leak on a 42-inch water main at Jefferson and Hurlbut. GLWA Field Services isolated approximately one mile of the 42-inch main to make repairs. The isolation required blocking off Hurlbut at Jefferson to traffic and directing traffic into two lanes on Jefferson.

WATER OPERATIONS (continued)

Lakeshore Global made the repairs and Water Quality was requested to perform the disinfection process. On December 3, Water Quality Team Leader Yvette Hayes-Johnson used new investigators Richard Hopkins and Diego Solis for confined space entry as a training component for the new team members so that they would understand the disinfection process. Yvette gave the new team members an opportunity to use their confined space training in a real event.

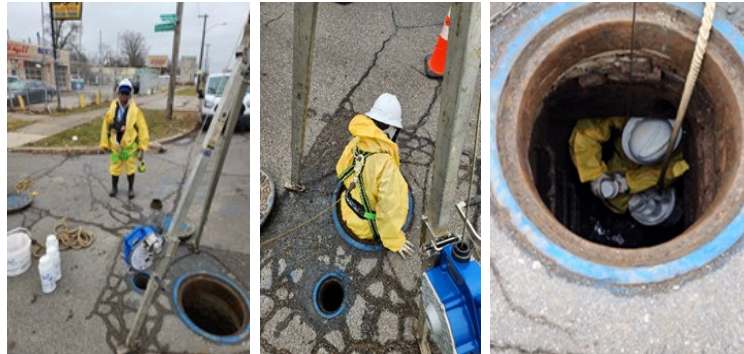


Richard Hopkins, Yvette Hayes-Johnson, and Diego Solis

Detroit 24” Water Main Break

On December 10, 2022, Team Leader Yvette Hayes-Johnson performed a chlorination on a 24-inch water main at W. McNichols and Shaftsbury. This was her second chlorination within a week. The chlorination was performed with Field Services Team Leader Craig Steel and crew members. She gave a brief description on how Water Quality performs the disinfection process to one of Field Services new team members. She explained, although each chlorination has different characteristics, the job requires a lot of critical thinking.

Craig also explained when Water Quality does not have team members to perform the disinfection process, that Field Services gets a request to help with confined space. It was also explained that Yvette will ask any team within GLWA or contractor to assist Water Quality when there is a shortage or unavailable team members. The holiday months are usually the toughest seasons of the year for Water Quality due to regulatory sampling, shortage in sampling days and staff members. Water Quality is also known for assisting other groups when staffing is available, because teamwork makes the dream work to deliver water of unquestionable quality.



WATER OPERATIONS (continued)

Lake Huron Water Treatment Plant

Lake Huron Gives Back for Thanksgiving

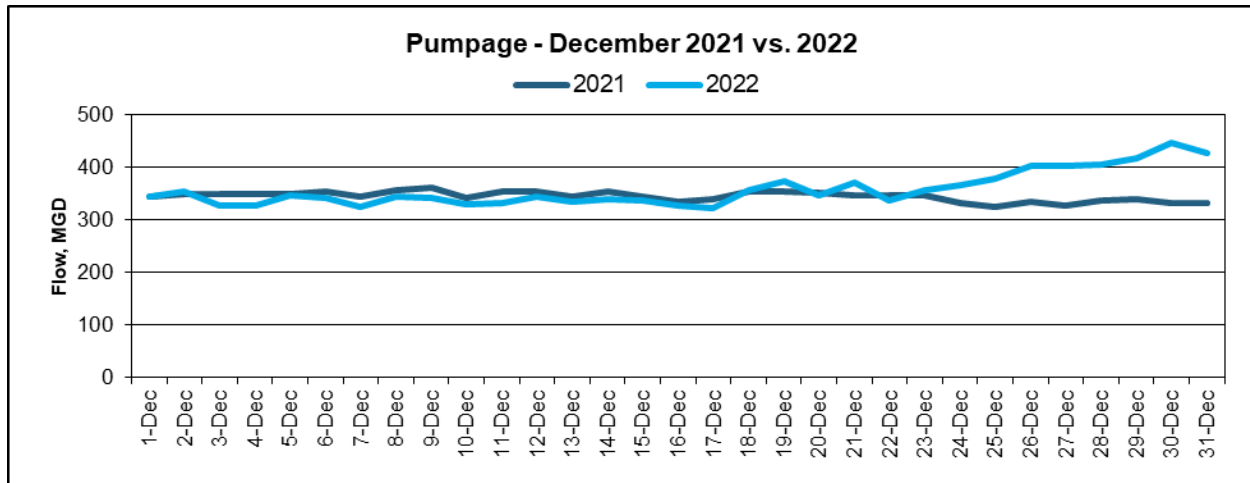
Every year the Lake Huron Plant finds a family in their community that needs help with a Thanksgiving meal. This year they chose to help a young family that consisted of a dad, a stay-at-home mom, and two little girls under the age of three.

Like in previous years, the Lake Huron Plant provided everything needed for a full Thanksgiving meal. They also provided some other essential items to help, including toilet paper, baby food, fresh fruits and vegetables, cereal, snacks, bread, peanut butter, jelly, and juices. They even gave flowers to the mom to brighten her day.



Systems Control Center (SCC)

December 2022 pumpage was 4 percent higher than December 2021



Engineering

Contract No. 1904231 – Northeast Water Treatment Plant Flocculator Replacement

The existing equipment, both inside and outside of the sedimentation basins, are original to the plant's construction and are no longer in working order (16 flocculators in total).

WATER OPERATIONS (continued)

The contractor's demolition work was executed immediately following the sludge removal for each of the four sedimentation basins. The existing flocculator shafts, paddles, bearings, and bearing supports have successfully been demolished in all four of the sedimentation basins. All 16 chain driven gears and chain guards in the drywells have been demolished.

The existing concrete pedestals that were used to support a chain driven gear attached to the shaft of the flocculators have been saw cut and are currently being prepared for concrete placement to support the new flocculator motors and gear box.

The new flocculator equipment began to arrive in late October and November 2022. This equipment included new flocculator motors and gear boxes, stainless steel pipe shafts, stainless steel solid shaft, paddles, arms, and bearings. In the coming weeks, installation of the new flocculation equipment will begin, with an anticipated startup in March 2023 for the equipment in sedimentation basin number 3. Installation of new equipment in the three sedimentation basins will occur over the next three years, following the sludge cleaning contractor.



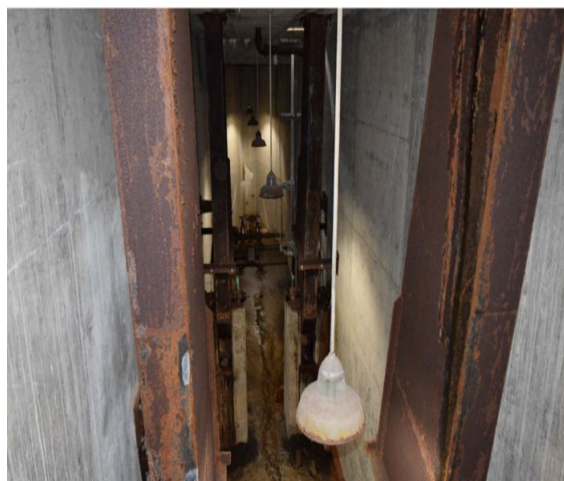
Existing flocculator equipment Sedimentation Basin #1



Existing flocculation equipment Sedimentation Basin #4



Demolished flocculator equipment and installed temporary lighting Sedimentation Basin #3



Existing chain guards and concrete pedestals in drywell

WATER OPERATIONS (continued)



Demolished chain guards, gear, and saw cut concrete pedestals south drywell (basins #3 and #4)



Concrete modifications to existing pedestals for pedestals south drywell (basins #3 and #4) new motors and drives

INFORMATION TECHNOLOGY

In the past month, the IT Security Team has proactively blocked or thwarted 50,711 spam messages, 11,146 spoofed messages and 8 viruses. Additionally, 3,149 phishing attempts have been caught and 4,578 malware attempts have been blocked.

The IT Business Productivity Team, in collaboration with Organizational Development and Financial Services, continues to make significant progress on the Workday project. Workday will replace BS&A and Ceridian and related systems as a unified ERP solution that allows for greater process automation and improved cross-functional reporting.

Currently, the project is at the end of the architect stage, which means that requirements have been determined, configurations have been made in accordance with requirements, data has been converted into Workday, and test scenarios have been finalized. Additionally, the team has had initial training for testing and is ready for customer confirmation session that started on January 9. During customer confirmation, the team will validate that configurations are correct according to requirements or identify that certain configurations need to be changed to meet requirements. The time clock contract has been executed and work on that sub-project will commence shortly.

The IT Customer Service Delivery Team in partnership with the IT Project Management Team and the Security & Integrity Group completed the implementation of the Security & Integrity's Mobile Device Management (Samsung Knox MDM) project. Security Officers that monitor our Avigilon and Lenel security systems can now access these systems from their new 5G mobile phone device, anywhere and at any time. These devices increase the Officers' efficiency, availability, and allows them to be more mobile. The new devices also offer better and faster connectivity.

INFORMATION TECHNOLOGY (continued)

Currently, the IT PMO is managing 18 active projects and is processing three project requests. The PMO has recently implemented project portfolio management (PPM) in Cherwell. The PMO's use of the new tool will be mostly transparent to project teams but will help the PMO improve efficiency and reporting.



PUBLIC AFFAIRS

CEO Holiday Message

Public Affairs and CEO Sue Coffey once again collaborated to produce two special holiday message videos. One focused on GLWA team members and the other on our member partners. In the messages, Sue wished everyone a safe and healthy holiday season. She thanked our talented team members for the great work they've done all year and talked about how proud she is of all they've been able to accomplish in challenging circumstances.



PUBLIC AFFAIRS (continued)

In the member partner video, Sue thanked everyone for their continued partnership and support and noted their knowledge and commitment to working together to create a resilient and sustainable system.

Watch the team member video by clicking [HERE](#).

Watch the member partner video by clicking [HERE](#).

WaterWorks Magazine Issue 25



Public Affairs has published WaterWorks Magazine Issue 25. The magazine covers a variety of interesting topics. Inside you can read how the Lake Huron Maintenance Team used the GLWA logo to enhance their assets and add some pride to their facility, how GLWA team members gave back in a big way over the holiday season, and learn about the rich diversity at GLWA as team members share of their favorite cultural traditions.

Michigan Water and Wastewater Professionals Week

In conjunction with Water and Wastewater Professionals Workforce Week December 12-18, 2022, the Public Affairs team worked with the CEO to come up with ideas for a “thank you” to the hard-working men and women

of GLWA. As a small token of appreciation, Public Affairs secured each team member a new 28-ounce water bottle featuring a drinking spout with a straw that flips up with the push of a button. The design was chosen because of feedback received from a broad cross section of team members who indicated that it is more sanitary to not have to touch the drinking spout of the bottle while working. The water bottles are being distributed in January.



SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 153 hours of training during the month.

The Security and Integrity Group purchased two custom-made “No Wake” signs from the state of Michigan for the Belle Isle Intake area.

Staff within Security and Integrity attended special training and were certified by the “Public Agency Training Council” to conduct internal investigations.

Lastly, the group led a tabletop exercise for the Southwest Water Treatment Facility which took place on January 19, 2023.

ORGANIZATIONAL DEVELOPMENT

Apprenticeships

GLWA apprentices (EICT-E, water technicians, maintenance technicians, and business analyst) continue to perform well in their respective programs. The Maintenance Technician Apprentices and the Business Analyst Apprentice are scheduled to graduate in 2023.

Interviews for the new Instrumentation Technicians (EICT-I) apprenticeship, scheduled to launch in January 2023, were held in November 2022. This will be GLWA’s fifth apprenticeship program as a sponsor.

Internships

The Organizational Development Group announced GLWA’s second summer internship program. The program provides on-the-job learning and real-world experience to successfully prepare students for careers in the water sector while equipping them with essential skills to achieve lifelong success. The summer internship program is scheduled to launch on Monday, May 1, 2023.

Community Outreach

GLWA’s Performance Team participated in the following community outreach and career events:

- Randolph Technical Career Center, Detroit, MI
- Henry Ford College PA Plus Orientation Information Session, Dearborn, MI,

GLWA team members shared information and answered questions regarding the apprenticeship programs and general career information.

ORGANIZATIONAL DEVELOPMENT (continued)

Benefits and Wellness

Blue Cross Blue Shield of Michigan launched the 2023 **Wellness Wednesdays Meditations** with calming topics for GLWA team members that included:

Find a Sense of Calm
Being in the Present
Feeling and Noticing the Breath
Spread Your Wings

Drop 5 Virtual Weight-loss Community



GLWA team members started the new year with health-conscious topics and resources to celebrate scale and non-scale victories, facilitated by Blue Cross Blue Shield of Michigan (BCBSM).

January topics included:

- Appreciating Your Life Journey
- Caring for Your Skin with Sara Wilchowski, MS, PA-C
- National Healthy Weight Week
- Dr. Michael Kobernick discusses Medical and Psychological Facts Associated with Cannabis Use

Cardiovascular Screenings

GLWA team members once again had the opportunity to have cardiovascular screenings at the Central Services Facility (CSF), Water Resource Recovery Facility (WRRF), and Water Board Building (WBB).



AngioScreen is a 10 minute, on-site screening that requires no preparation or blood-work and costs little more than the conventional biometric screenings. It provides the best-known tests for detecting vascular disease, the leading cause of heart attacks and strokes, and it instantly provides a highly engaging written and digital visual report. For the first time, participants can see what the lining of their arteries looks like in an instant one-page report. The testing is mobile, noninvasive, involves no radiation and no needles!



The Hartford is our new provider for life insurance, disability benefits and FMLA administration. All life and disability lines of coverage currently associated with Principal are transitioning to the Hartford, effective January 1, 2023. All coverage currently in force will transfer, and coverage levels will remain the same.

ORGANIZATIONAL DEVELOPMENT (continued)

2023 MissionSquare Education Sessions

MissionSquare held education sessions on-site and virtually at the Water Board Building with the Financial Services team. Retirement Plan Specialists also held one-on-one consultations with team members to review their individual goals and portfolio performance.



New in 2023, the Ulliance Life Advisor Program is a total well-being service being offered at no cost to GLWA team members, their spouse/live-in partner and dependents under the age of 27. Services include counseling, life coaching, mental health crisis support, work-life balance materials, legal and financial consultations and more!

Staffing

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

Number of New Hires	9
Number of Separations	11
Total Staffing - Regular FTEs (YTD)	972

Training

During the month of **December**, **73** GLWA team members completed **19** safety courses and **six** non-safety courses for a total of **180.5** instructor-led training hours. Also, **six** GLWA team members and **three** Member Partners completed **11** online 360Water courses.

FINANCIAL SERVICES AREA

December 2022 Regular Audit Committee Recap

The most recent regular monthly Audit Committee meeting was held on Friday, December 16, 2022. The GLWA Audit Committee binders are publicly available at www.glwater.org/financials/. The meeting included the following topics.

An initial discussion regarding the FY 2024 & FY 2025 Biennial Budget and Five-Year Plan, Proposed FY 2024 Charges, and Updated Long-Term Plan.

FINANCIAL SERVICES AREA (continued)

- ✓ Review of the September 2022 Monthly Financial Reports (Executive Summary attached).
- ✓ Monthly updates on the Business Inclusion and Diversity (B.I.D.) program, Charges Outreach and Modeling team efforts, and Affordability & Assistance team initiatives.
- ✓ Review of the Quarterly Construction Work in Progress report through September 30, 2022.
- ✓ Discussion regarding the Annual Procurement report providing a summary of the group's extensive activity for FY 2022.
- ✓ A reminder regarding the GLWA Fraud Hotline administered in conjunction with the GLWA Security & Integrity area.

Annual Comprehensive Financial Report

GLWA officially completed its annual financial audit and close for the fiscal year ending June 30, 2022 in December 2022 with an unmodified audit opinion (also referred to as a 'clean opinion') from the audit firm, Baker Tilly, US LLP. This means that the final, audited Annual Comprehensive Financial Report (ACFR) met the auditor's objective of achieving a reasonable level of assurance that the financial statements are free of material misstatement. This is the highest-level opinion an organization can receive from an external audit firm regarding their annual financial statement presentation. Copies of the [FY2022 financial statements](#) can be found on the Financials page of the GLWA website.



Included in the GLWA FY 2022 ACFR is our Government Financial Officers Association (GFOA) Certificate of Achievement of Excellence in Financial Reporting award from FY 2021. The main purpose of the award is to encourage transparency and full disclosure of financial reporting and is the highest form of recognition in doing so. FY 2021 was GLWA's third time having received the award. GLWA's application for FY 2022 has been submitted with results typically received around September.

FINANCIAL SERVICES AREA (continued)

Grant Management Conference

GLWA Grants Manager Alicia Schwartz attended the Annual Federal Grants Management Update 2022, December 13-14, 2022, in San Antonio, Texas hosted by the Federal Grants Training organization. The event covered a variety of core subjects related to Grants Management including recent developments, changes to award and subaward requirements, internal control best practices, and new issuances effecting the Uniform Grants Guidance.



Vendor Outreach Update



In an effort to help the Vendor Community navigate the GLWA Procurement process, members of the GLWA Procurement Team regularly host Vendor Introduction meetings. The purpose of these one-hour meetings is for interested vendors to learn more about doing business with GLWA and for GLWA to learn more about vendors' experience and business capabilities. During Vendor Introduction meetings, the GLWA team delivers a presentation after which vendors have the opportunity to ask procurement representatives any

questions they may have about the GLWA procurement process in a one-on-one virtual setting. Information covered in GLWA's presentation includes registering in GLWA's Bonfire Procurement Portal, how to submit a competitive bid or proposal to a GLWA solicitation, as well as the requirements for GLWA's Business Inclusion and Diversity (B.I.D.) Program. To date, GLWA has hosted over 20 Vendor Introduction Meetings since beginning in 2021.

FINANCIAL SERVICES AREA (continued)

Charges Outreach & Modeling Update

GLWA Charges Outreach and Modeling Manager Matt Lane, as a member of the Michigan Section of the American Water Works Association (MI-AWWA) Communications Council, moderated a panel discussion during a Communications Workshop at the Fishbeck offices in Lansing, on December 7, 2022. The workshop was titled “Making Your Message Matter - Communicating with the Decision Makers,” and included three expert panelists, including GLWA Chief Operating Officer for Water and Field Services, Cheryl Porter and Sue McCormick of 4Leaders, LLC. The hybrid event was recorded by GLWA Public Affairs and will be posted publicly by MI-AWWA for those who could not attend either virtually or in-person.



Left-to-Right: Panelists: Christine Spitzley, OHM Advisors; Cheryl Porter, GLWA; Sue McCormick and 4Leaders LLC Moderator: Matt Lane, GLWA

Additional Charges Outreach & Modeling updates include the following.

- Charges season is in full swing. Various charges-related meetings took place throughout December and early January including the recent Water Charges Methodology Review Subgroup in-person meeting at the City of Novi Department of Public Works.
- Matt Lane has been making rounds to various member partners as a way of introducing himself and recently coordinated a meeting with staff from the Oakland County Water Resources Commissioner’s Office, facilitated by GLWA Outreach.
- Matt also attended a new webinar series hosted by the Michigan Municipal Services Authority, a one-of-a-kind virtual city that serves to facilitate state-wide and regional collaboration.

Affordability & Assistance Update

The December GLWA press release announcing the reallocation of Water Residential Assistance Program (WRAP) funding to the City of Flint resulted in an uptick of WRAP applications by residents! The press release announced the \$1.5 million dollars approved by the GLWA Board of Directors for reallocation to the City of Flint this past June and described recent program changes such as the WRAP Income Based Plan (IBP). Wayne Metropolitan Community Action Agency (Wayne Metro), the service delivery partner for the City of Flint, is on-site at the city offices weekly to enroll residents in the program and was also highlighted in this well-received press release.

FINANCIAL SERVICES AREA (continued)

In January, United Way for Southeastern Michigan officially becomes the WRAP service delivery partner for Oakland County residents. GLWA looks forward to building this new partnership and connecting Oakland County communities and their residents to WRAP services. We are thankful to Wayne Metro, who served as an interim service delivery partner for Oakland County while the transition of services took place.



**United Way
for Southeastern Michigan**

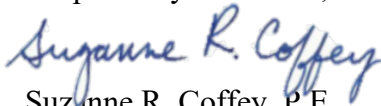
Efforts to connect with GLWA Member Partners regarding the WRAP IBP continue. The GLWA Affordability & Assistance Team has been coordinating with service delivery partners to contact community representatives, inform them of the program improvements, and determine how to best engage and serve their residents.

Procurement Pipeline

The December Procurement Pipeline edition is attached. This month features GLWA Economic Outlook Task Force (EOTF), established in September 2021 to better analyze the potential impact of recent economic conditions on GLWA's capital and operations budgets; Coronavirus Update #174: The Visitor COVID-19 Questionnaire will be phased down on January 1, 2023; how to set up a Virtual Vendor Introduction meeting to learn more about doing business with GLWA; and a reminder of the information available in the monthly CEO Report, and a listing of upcoming solicitations.

The General Counsel's January Report is an attachment to the Chief Executive Officer's Report.

Respectfully submitted,



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

SRC/dlr
Attachments

- September 2022 Executive Summary
- December 2022 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)

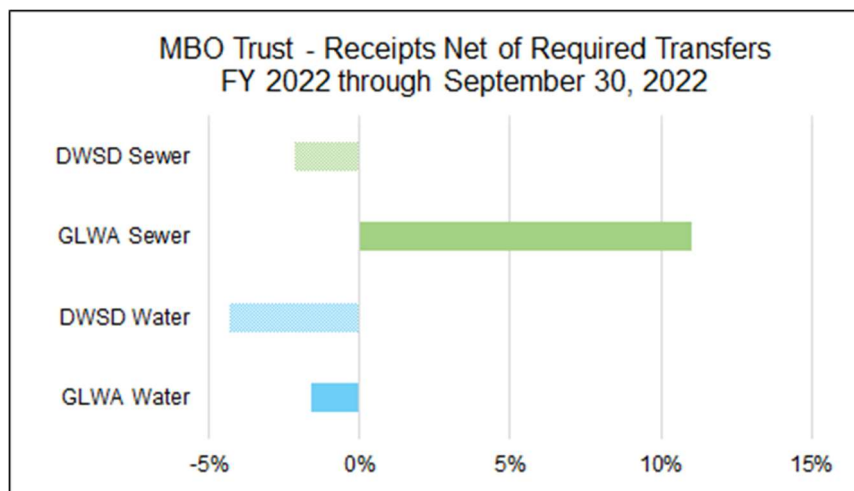
Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Budget amendments are prepared and presented quarterly based on most current information. This report reflects first quarter FY 2023 budget amendments approved by the GLWA Board of Directors on October 26, 2022.

For the current period, wholesale water and sewer operations and maintenance, investment income, and capital spend all reflect variances to budget outside the normal range. GLWA staff will continue to monitor these areas to see if additional budget amendments will be necessary. Investment income will begin to align with the amended budget as older investments are re-invested at higher interest rates as anticipated.

As of September 30, 2022					
Metric	FY 2023 Budget	FY 2023 Amended Budget	FY 2023 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$95.4	\$95.4	\$96.2	1%	49
Wholesale Water Billed Usage (mcf)	4,351,000	4,351,000	4,392,000	1%	
Wholesale Sewer Billed Revenue (\$M)	\$68.7	\$68.7	\$68.7	0%	51
Wholesale Water Operations & Maintenance (\$M)	\$36.2	\$36.2	\$39.6	9%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$46.0	\$48.7	\$47.4	-3%	
Investment Income (\$M)	\$0.6	\$4.4	\$2.5	-43%	38
Water Prorated Capital Spend w/SRA* (\$M)	\$38.9	\$48.6	\$44.1	-9%	28
Sewer Prorated Capital Spend w/SRA* (\$M)	\$23.6	\$31.5	\$16.0	-49%	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 54)



Net cash flow receipts remain positive for GLWA 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). The GLWA Water reports a shortfall of \$1.4 million for the month of September

2022. In addition, DWSD Water reports a shortfall of \$995 thousand and DWSD Sewer reports a shortfall of \$1.6 million of net receipts over disbursements through September 2022. GLWA Water and DWSD Water and Sewer return to positive net receipts in October.

Budget to Actual Analysis (page 3)

- FY 2023 information includes the first quarter budget amendments which were approved by the GLWA Board on October 26, 2022.
- The total Revenue Requirements are on target through September 2022.
- The total overall Operations & Maintenance expenses are at 25.6% of budget through September 2022 which is slightly above the pro-rata benchmark of 25.0%. This negative variance equates to a dollar amount of \$2.1 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 September 2022 is \$30.7 million for the Water fund (30.0% of total revenues) and \$31.7 million for the Sewer fund (26.4% of total revenues).
- Water Net Position increased by \$13.1 million, and Sewage Disposal Net Position increased by \$7.9 million for the year to date through September 2022.

Capital Improvement Plan Financial Summary (page 27)

- The Water system exceeds the originally approved 80% Capital Spend Ratio assumption.
- The Sewer system does not meet the originally approved 75% Capital Spend Ratio assumption.

Master Bond Ordinance Transfers (page 32)

- For September, transfers of \$13.7 million and \$17.8 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for September, transfers of \$4.0 million and \$7.8 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 38)

- Total cash & investments are \$553 million in the Water fund and \$599 million in the Sewer fund.
- Total, combined, cumulative, FY 2023 investment income through September is \$2.5 million.

DWSD Retail Revenues, Receivables & Collections (page 42)

- Water usage through September 30, 2022 is at 104.47% and revenues at 99.83% of budget.
- Sewer usage through September 30, 2022 is at 113.89% and revenues at 103.96% of budget.
- Combined accounts receivable balances for the water and sewer funds report an increase of \$48.8 million over the prior year.
- Past dues over 180 days make up 68.4% of the total accounts receivable balance. The current bad debt allowance covers 99.4% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 48)

- GLWA accounts receivable past due balance net of Highland Park is 7.14% of the total accounts receivable balance, with the majority of that balance related to one water account dispute currently under discussion.
- The Highland Park past due balance is \$54.7 million. It includes \$41.6 million for wastewater treatment services, \$1.8 million for industrial waste control services, and \$11.3 million for water supply services. Highland Park made a catch-up payment of \$1.7 million on June 3, 2022 and has continued to make monthly payments as required since that time.

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



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

GLWA's Economic Outlook Task Force (EOTF)

In September 2021, GLWA formed the Economic Outlook Task Force (EOTF) to better understand the potential impact of recent economic conditions on GLWA's capital and operating budgets. These conditions, characterized by supply constraints, sharp growth in demand, and labor pressures, have produced unprecedented cost increases for most organizations in the country, including GLWA.

The three goals of the EOTF include the following:

1. To analyze financial trends and economic data for the specific materials and labor used by GLWA to anticipate how they may affect GLWA's Capital Improvement Plan (CIP) and long-term financial plans;
2. To predict likely scenarios in the short- and medium-term; and
3. To recommend approaches to mitigate cost and supply pressures.

As part of this effort, GLWA has interviewed peer organizations to learn how others are responding and to share ideas and resources. Those interviewed include peer utilities across the United States, large construction firms and a regional energy provider, as well as financial and procurement officers from the City of Detroit, Detroit Water and Sewage Department (DWSD), and Macomb, Oakland, and Wayne Counties.

GLWA is not alone in what we are experiencing—commodity price increases and supply chain issues are impacting everyone, regardless of region. With the EOTF, GLWA continues its tradition of regional collaboration in service to the communities that rely upon us for the highest quality water and wastewater services. In the coming year, GLWA's EOTF will continue to monitor changes in cost pressures, connect with peer utilities to collaborate and address shared challenges, and explore in more detail mitigation strategies and recommendations.

Coronavirus Update #174: Visitor COVID-19 Questionnaire to be Discontinued Effective January 1, 2023

On December 9, 2022, GLWA issued [Coronavirus Update #174](#) to the Vendor Community, indicating that effective January 1, 2023, Visitors will no longer be required to fill out the [Visitor COVID-19 Questionnaire](#) before providing onsite services at GLWA facilities or project worksites. Please note that GLWA may choose to reinstate the Visitor COVID-19 Questionnaire if COVID-19 conditions change in future. To read the full Coronavirus Update #174, visit the [GLWA Vendor Webpage](#). Any questions regarding these matters should be directed to [Michael Lasley](#) and [Megan Savage](#).

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 a GLWA solicitation, as well as the requirements for GLWA's Business Inclusion and Diversity (B.I.D.) Program.

Keeping up with GLWA

Our Chief Executive Officer (CEO) Monthly Report provides a wealth of information and news about important initiatives within GLWA's service territory that impact GLWA, its member partners, and the public. To read the November 2022 Monthly Report, please [click here](#).

What's Coming Down the Pipe?

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

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

Visit GLWA online!

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

Upcoming Solicitations December 2022

Category	CIP #	Description/Project Title	Budget Estimate
Water System (next four to nine months)			
Construction	170802	Reservoir Rehabilitation Construction Services Phase II at Waterworks Park, Northeast, and Booster Stations.	\$35,972,000
Wastewater Systems (next four to nine months)			
Construction	211005.2	WRRF Pump Station 2 VFD Replacements	\$7,000,000
Construction	211005.3	WRRF Pump Station 2 Mag Meter Replacements	\$1,000,000
Construction	260905	WRRF Plumbing Shop Rehabilitation	\$2,000,000
Construction	260802	WRRF Roofing Improvements	\$4,300,000
Construction	232002	Freud Pump Station Improvements	\$75,000,000
Design-Bid-Build	261001	WRRF Rehabilitation of Secondary Clarifiers	\$6,000,000
Water System (next three months)			
None			
Wastewater (next three months)			
Construction	260209	Emergency and Urgent Sewer Repair II	\$12,400,000
Construction	260510	Conveyance System Repairs- CSO Outfalls Rehabilitation - Phase 5	\$10,000,000
Construction	260903	WRRF Front Entrance Rehabilitation	\$3,300,000
Construction	O&M	Plumbing Shop Rehabilitation	\$1,500,000
Projects moved to Procurement Team (Preparing for solicitation on Bonfire)			
Construction	170904	Phase II Wholesale Water Meter Pit Rehabilitation and Replacement Project - 60 new meter sites	\$16,000,000
Professional Services	O&M	Service - All Pumps for CSO Facilities Three Year Contract with Two - One Year Renewals	\$2,200,000
Professional Services	O&M	Professional Technical Services for Sewer Meter Support	\$8,500,000
Professional Services	O&M	Property and Casualty Insurance Brokerage and Ancillary Services	\$1,250,000
Professional Services	O&M	Grounds Maintenance Services	\$4,600,000
Professional Services	O&M	Electrical Services Contract	\$6,600,800
Professional Services	O&M	Motor Repair Contract	\$1,800,000
Professional Services	O&M	Pump Repair Contract	\$1,650,000
Professional Services	O&M	Instrumentation/I&C Contract	\$3,011,840

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

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



Office of the General Counsel

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

Office of the General Counsel – January 25, 2023

- **Legislative Updates:** The Office is also monitoring infrastructure spending bills at the federal and state level.
- **Gordie Howe International Bridge:** GLWA submitted its relocation reimbursement request to MDOT and received MDOT's response. GLWA received a favorable decision from the Administrative Law Judge on GLWA's reimbursement request and is awaiting further discussions with MDOT.
- **June and July Rain Events:** The Office is providing legal support in response to the significant rain events in June and July. To date, 13 lawsuits were filed against GLWA related to the rain events. A subrogation lawsuit was filed against GLWA in the past month.
- **Trenton Water Main:** The Office is negotiating the transfer of the 24-inch water main to GLWA.
- **Contract Negotiations:** The Office is working with member partners to draft a new model sewer contract. Office staff completed the Designated Management Agreement with SEMCOG. The water contract negotiation team concluded the 2022 contract alignment/reopener negotiations with member partners plus the Genesee County Drain Commissioner's Reciprocal Backup Water Service Contract and the final two contract amendments for Board approval are scheduled for January 25, 2023. The Office negotiated a 30-year wastewater disposal services contract with Evergreen-Farmington Sanitary Drain Drainage District.
- **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.
- **Record Retention Policy:** The Office is drafting a record retention policy for GLWA.
- **Industrial Pretreatment Program ("IPP"):** The Office continues to work with the Industrial Waste Control ("IWC") Group and external stakeholders on finalizing and implementing an updated IPP. The updated IPP Program was submitted to EGLE on October 7, 2022 and approved on December 6, 2022. The Office also continues to provide assistance on PFAS and PFOS matters.
- **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.

- **Member Outreach:** The Office continues to be an active participant in Member Outreach sessions.
- **Main Relocations:** The Office continues to support water operations in its discussions with community stakeholders regarding water main relocations.
- **Civil Litigation and Arbitrations:** The Office continues to vigorously defend actions against GLWA, including a class action lawsuit regarding IWC charges. GLWA received a favorable ruling against Highland Park in the 2014 litigation, restoring GLWA’s judgment against Highland Park.
- **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.
- **Presentations:** Randal Brown was a panelist for AWWA’s legal roundtable on December 9, 2022 addressing legal issues related to climate change.

Statistics:

Contracts approved as to form:	51
Contracts drafted or revised:	146
Subpoenas/Information requests received:	5
Subpoenas/Information responded to:	6