



Office of the Chief Executive

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

October 26, 2022

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – October 26, 2022

Dear Chairperson Quadrozzi and Directors:

I am pleased to begin by sharing the news that over the weekend of September 30, 2022, GLWA returned its 120-inch water transmission main back to service and the regional system back to normal operations. This was several days ahead of the previously stated timeline of October 5. A final incident report is due to the Michigan Department of Environment, Great Lakes and Energy (EGLE) within 30 days, and we will certainly make this report available on our website once it is submitted.

On behalf of everyone at GLWA, I want to express my gratitude to our member partner communities and their residents for their collaboration and support as we worked through the complexities of the break on what is the largest pipe in our regional system. Although we encountered a number of obstacles along the way, I am so proud of how everyone involved dug-in and used their knowledge, skills and ingenuity to ensure that we made the repair as quickly as possible and kept our focus on protecting the public health.

A big element of our focus on public health was the exceedingly challenging work done by the Water Quality Team. In particular, I would like to call out the dedication of two investigators, Adedayo Ogunnupe and Terry Foster, who stepped-up for GLWA during this trying time, working 12-to-14-hour days for a month, even declining to take time off in order to ensure that the Water Quality Team could catch up on regulatory sampling to meet month end goals. When I was in the field during the repairs, I got to spend some time with them, learning about their part of the restoration process. I want to thank them, as well as their Team Leader Yvette Hayes-Johnson, for going above and beyond. You can read more about their work in the Water and Field Services Report on pages 16 and 17.

I have two important updates related to our Member Outreach efforts. On September 29, we held our first in-person *One Water Partnership* (OWP) meeting since the onset of the COVID-19 pandemic. More than 50 people joined us on-site at Macomb Community College's Warren campus, and an additional 50 people were able to participate thanks to our inaugural live stream of an OWP meeting, which was produced by our Public Affairs Team.

It was really energizing to be back in the same room with representatives from our member partner communities and other stakeholders!

Also on October 17, Interim Chief Planning Officer Jody Caldwell and I made a presentation before the Mount Clemens Board of Commissioners about the potential for GLWA to become the water service provider for the city. It was a good dialogue with the commissioners, who asked some very good questions, which I believe were well-addressed by our team, including General Counsel Randal Brown and Chief Operating Officer-Water and Field Services Cheryl Porter. I will share updates as they become available.

Last year I made a point to spend time at each of our facilities, holding one-on-one meetings with individual team members, and going on a team member-led tour of each facility. My plan for the next round visits is to have the Executive Leadership Team join me -- holding one of our weekly Executive Leadership Team meetings at a different facility. Included in these monthly visits will be informal gatherings where the Executive Team and I will interact with team members from the night and day shifts. We kicked this off on October 18 at the Water Resource Recovery Facility.

As I do in each of my reports to this Board, I want to share important initiatives related to the recruitment and retention of our team members. This past month, we launched the second year of our Professional Development Certification Program, which allows team members in 10 job classifications represented by a union through a Collective Bargaining Agreement and in the team leader classification to earn stipends for Michigan Department of Environment, Great Lakes, and Energy (EGLE) required certifications. Team members can earn from \$500 to \$1,750 per certification. We had good response in the first year of the program and expect an even better response in this second year.

We also launched two new health-related initiatives in October. For the first time, we provided no-cost cardiovascular screenings for team members. The *AngioScreen* is a 10 minute, on-site screening that requires no preparation or blood-work and costs a 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. I want to thank our One Water Wellness Team in Organizational Development for this leadership in securing this important initiative for our team members!

On the heels of our successful Men's Health Celebration this past summer, in October we hosted our first Women's Health Celebration, with close to 50 GLWA women in attendance. Team members and guest speakers shared success stories centered around mental well-being, weight loss, health challenges, vegan diets, GLWA wellness resources and Pink Out the Plant in recognition of Breast Cancer Awareness Month. Also, Dr. Pamela Pugh, served as guest speaker, talking on self-care and finding ways to support mental well-being.

Finally, I want to end my report as I normally do, acknowledging significant achievements of team members. Dr. Xavi Fonoll Almansa, Management Professional in Water and Wastewater Research within the Energy, Research and Innovation (ERI) Team, was recently notified of GLWA winning a \$1.5 million dollar "waste to energy" research project funded by the U.S. Department of Energy.

The project will perform an on-site feasibility study to evaluate the use of hydrothermal liquefaction to convert our biosolids into “biocrude,” a diesel-like petroleum substitute suitable as a feedstock for refinery operations. Congratulations to Xavi and the entire ERI Team, which is led by Dr. John Norton.

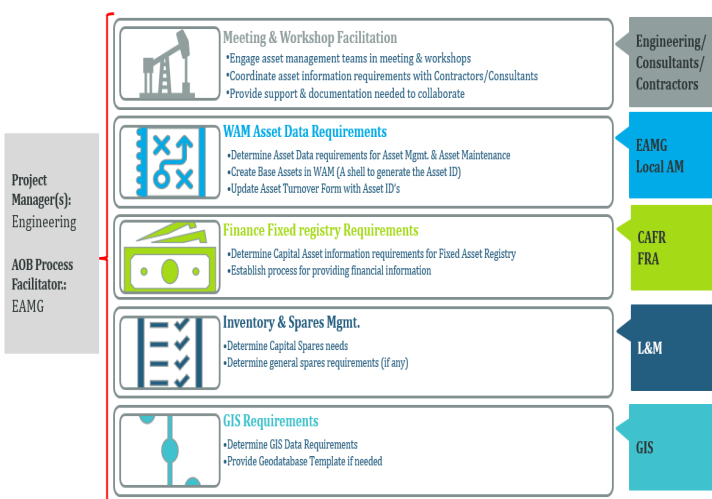
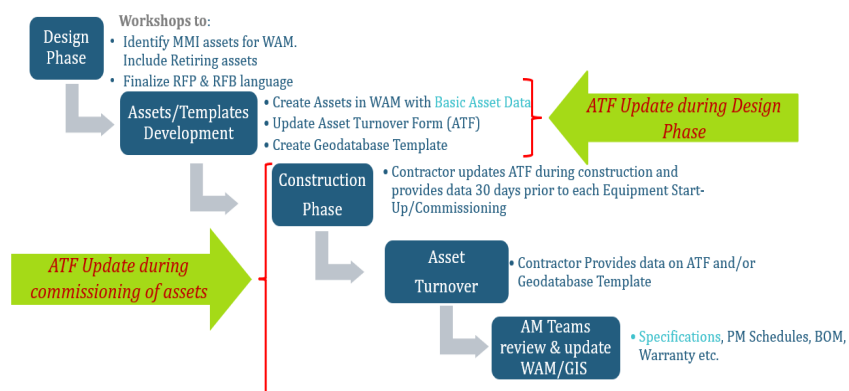
PLANNING SERVICES

Asset Management Group (AMG)

Asset Onboarding Pilot

The Asset Management Group, in collaboration with cross-functional team members, established an Asset Onboarding and Retirement process as part of GLWA’s Strategic Asset Management Plan (SAMP) Improvement Initiatives. The process was developed to ensure appropriate base asset data, work management data (predictive and preventative maintenance activities), and other resources (bill of materials, operations and maintenance manuals, warranty information, etc.) are captured timely and entered into our enterprise asset management system.

In October 2020, the team began a pilot to test the process spanning the design phase through construction and final commissioning of the assets. ***The pilot has now concluded with a total of 32 projects, of which, nine have been completed.*** Given the longevity of CIP projects, the remaining are in progress and will be completed when the assets are built and placed into service.



The Asset Onboarding Process has multiple checkpoints between GLWA team members across the organization including water and wastewater engineers, enterprise and local asset management groups, Finance, IT, Logistics and Materials, and various design consultants and construction contractors. GLWA will continue to enhance and make improvements to the process as we proceed forward with the implementation of NEXGEN, our new Enterprise Asset Management System.

PLANNING SERVICES (continued)

The ultimate goal is to provide good asset data and information to operations and maintenance team members and leadership for work management to make good decisions informed by risk, regional needs, and lifecycle considerations. This pilot is another step in establishing the best asset management practices at GLWA.

Capital Improvement Planning Group (CIP)

The CIP Delivery Team has devoted significant time and effort into further refining FY 2024-2028 CIP projects taking alignment with GLWA's financial plan into consideration while maintaining systems operations and service levels. Considering inflationary pressures and long lead times on equipment, various scenarios were evaluated. As a result, difficult decisions had to be made to achieve a five-year CIP plan, with a ten-year outlook, that is in close alignment with GLWA's financial plan.



In September, the CIP team also finalized improvements to the CIP document and Business Case Evaluation documents to allow the user a more reader-friendly experience with improved project detail.

		Page 1 CIP Number: 110009	
Project Title: Water Works Park Sustainability Route Upgrade			
Project Status: Future Planned - Ten Year CIP CIP Type: Project Class 1 of 3: Water Class 1 of 3: Treatment Plants and Facilities Class 1 of 3: Water Works Park ☒ Project New to CIP ☒ Master List > 10 Yrs ☐ Multiple Phases		☐ Interconnect ☐ WW Master Plan ☐ WW Master Plan Right Sizing ☐ Flood Mitigation ☐ Redundancy ☐ AS AEP Improving ☐ Preliminary Projects ☐ Linear Assets Outside of Facility ☐ TNO ☐ Storage ☒ Treatment  Photo of Water Works Park Project	
Project Name 76.3			
Project Manager: David Mangum Director: Pops Pappas Managing Staff: Water Eng.		State Capital Services Cost: \$0.00 Year Project Added to CIP: 2020 CIP Budget: Water	
☒ Free Program? Program Number: Delivery Method: DB (Design-Bid-Build) Delivery Method Detail:		☐ Is a Preliminary Project? Succession Project: Preliminary Project:	
		Project Authorization: City of Denver Funding Location: City of Denver Funds and Cost Center: Water - 0010-02414 Fund Engineering	
		Collaboration Opportunities: TBD Partners: Collaboration Entity:	

The CIP team continued to actively evaluate resumes for candidates to fill its open positions within the CIP team including, Controls Manager, Schedule, and Budget Management Professionals. The CIP team also worked on the Program Management Plan (PMP) and finalized the Risk and Quality chapters of the PMP.

PLANNING SERVICES (continued)

Systems Planning Group

Water Charge Methodology Review Subgroup

The Water Charge Methodology Review Subgroup met twice in September:

On September 2, the group reviewed an analysis related to the American Water Works Association (AWWA) charge methodologies and answered questions related to the current GLWA charge methodology.

On September 16, the group reviewed follow-up analyses related to the AWWA methodologies, as well as a hypothetical example demonstrating that wasting water to lower a Member's peaking factor is not financially advantageous if the water is not being sold for revenue. The Subgroup also received information regarding GLWA's power use to inform their thinking about the allocation of power costs.

The full Charges Work Group convened on September 22 to learn about the progress of the Subgroup and to share their reactions, questions, and ideas with the entire team.

Wastewater Analytics Task Force (WATF)

On September 8, the Wastewater Analytics Task Force met to learn about GLWA's Wastewater Asset Management Plan, as well as GLWA's use of visual management at the Water Resource Recovery Facility. Visual management is a system of labels, signs, markings, information displays, and visual guides (instead of written instructions) that can eliminate waste, increase safety, and reinforce workplace standards.

OSHA and Safety Colors



Water Analytical Work Group (AWG)

AWG members met on September 20 to review updates on the 120" inch main break that occurred on August 13, 2022 near the Lake Huron Water Treatment Plant, progress on the development of the FY 2024 – FY 2028 Capital Improvement Plan, next steps in GLWA's ongoing meter replacement program, and a reminder of the importance of robust recordkeeping of water main breaks and major fires for use in contract negotiations meetings. Doug Inman of Systems Analytics and Meter Operations (SAMO) revealed the system max day and peak hour totals for 2022 and reviewed the annual contract exceedance process.

2022 System Max Day:

July 19, 2022

631 MGD (562 MGD in 2021)

2022 System Peak Hour:

7:00 – 8:00 pm

697 MGD (662 MGD in 2021)

PLANNING SERVICES (continued)

John Norton of GLWA's Energy, Research & Innovation group teamed with academic research partners to share highlights of a pilot project to capture data and analyze pressure impulse events in GLWA's water system to support its Linear System Integrity Program (LSIP).

A goal of the research is to assess whether pressure and impulse event monitoring can be used as a risk factor for GLWA pipes.

Water Management Best Practices

On September 21, Water Management Best Practices gathered to plan the group's goals and meeting topics for 2023 and engaged in a robust roundtable discussion of issues impacting their organizations. The group identified individual actions that members could take to support regional recruiting and retention efforts in the water sector.

Watershed Hub Work Group

On September 28, the Watershed Hub Work Group met to articulate their goals for the coming year:

1. Identify and secure funding for the investigational grab sampling program*
2. Collaborate with GLWA on the selection of the Regional Water Quality Monitoring Program** Phase 2 locations
3. Support GLWA's resiliency work

*The investigational grab sampling program is designed to direct attention to the most egregious dry weather water quality impairments in the region.

**The Regional Water Quality Monitoring Program seeks to measure the effectiveness of and inform decisions about investments in the regional system.

One Water Partnership (OWP)

Members gathered for the first OWP in-person meeting in two and a half years, welcoming new faces and greeting old friends. Over 50 people attended in-person, with an additional ~50 participating via livestream. CEO Sue Coffey kicked off the meeting by sharing her vision for the One Water Partnership; to catalyze economic development, moving the region forward, community by community. Chief Operating Officer for Water and Field Services, Cheryl Porter recounted the discovery and repair of the

120-inch water main break near the Lake Huron Water Treatment Plant, lauding the work of GLWA teams, who reconfigured operations to serve communities and restore the pipe to service. Member Partners Tom Murray of Allen Park, Ed Haapala of West Bloomfield Township, and



PLANNING SERVICES (continued)

Dominique Pantoja of DWSD, shared their experiences with Advanced Metering Infrastructure (AMI) as part of the panel discussion. (See photo below).

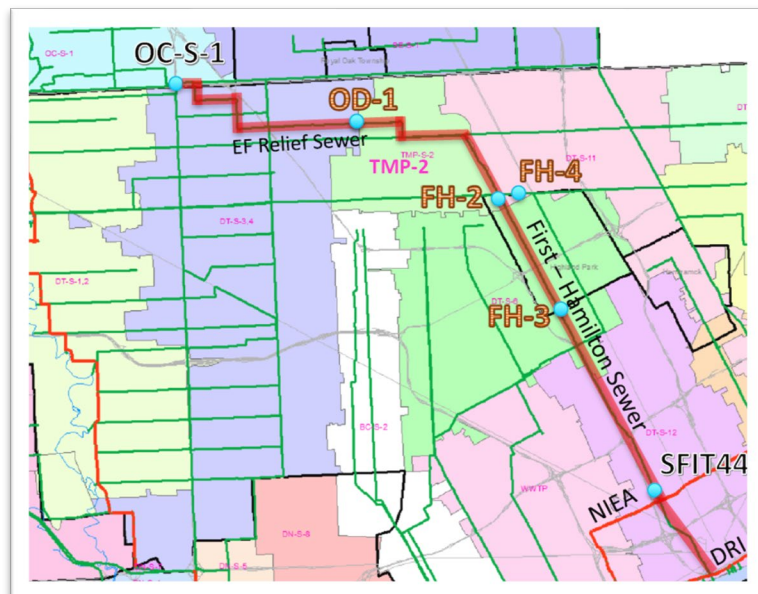


From Left: Tom Murray, Ed Haapala, Dominique Pantoja

System Analytics & Meter Operations (SAMO)

In September 2021, the SAMO group initiated a study to monitor and evaluate infiltration and inflow (I/I) flows in the First Hamilton area within the City of Detroit. The First Hamilton sewer accepts flows from Evergreen Farmington District and TMP-2 area of Detroit. The goal of the study was to improve understanding of the First Hamilton Flows including: confirm current estimates via additional short term temporary meters, verify TMP-2 area flows, and support findings of no major I/I issues. For this study, four (4)

new area-velocity meters were installed at Outer Drive and Wyoming, Hamilton and Hill Ave., Hamilton and Webb St., and McNichols. The data from temporary meters was collected for a 10-month period. The data was reviewed, validated, and analyzed by ADS and CDM Smith. The results of the study were presented at the October 20, 2022, Wastewater Analytical Task Force (WATF) meeting.



PLANNING SERVICES (continued)

Key Takeaways of the study:

- Results confirm the range of current estimates
 - Incremental flows for TMP-2 range from 3 to 16 CFS by month over the monitoring period
 - Overall average flow (all meters) = 8.5 CFS (10 months)
 - Flow Balance estimate for past year (annual average) = 8.4 CFS
- Longer duration monitoring supports expected seasonal variations
 - Higher flows in spring
- No excessive I/I issues identified

The SAMO Group continues 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 construction work at 60-meter pits that have metering and/or meter pit condition concerns. Last month, coordination meetings were held with the City of Melvindale, and the City of Sterling Heights. The planned work has been completed at 52 of the meter pit locations and is underway at another five 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. This contract will also provide as needed corrective and emergency maintenance for the remaining metering facilities.

WASTEWATER OPERATING SERVICES

Wastewater Operations

Water Resource Recovery Facility (WRRF) operations complied with the Water Quality Standards for the month of September 2022.

Wastewater Operations team member Catherine Willey presented at a webinar hosted by Michigan Department of Environment, Great Lakes & Energy (EGLE) and U.S. Environmental Protection Agency (USEPA) for Reducing Phosphorus Discharges Through Low-Cost Operational Changes. Catherine Willey presented Great Lakes Water Authority's (GLWA) Water Resource Recovery Facility as a case study. The case study focused on GLWA's past success in reducing phosphorus loading in our discharge, current challenges in phosphorus control, plans for future continued improvement, and community partnerships including our long-standing research partnership with the University of Michigan.

WASTEWATER OPERATING SERVICES (continued)

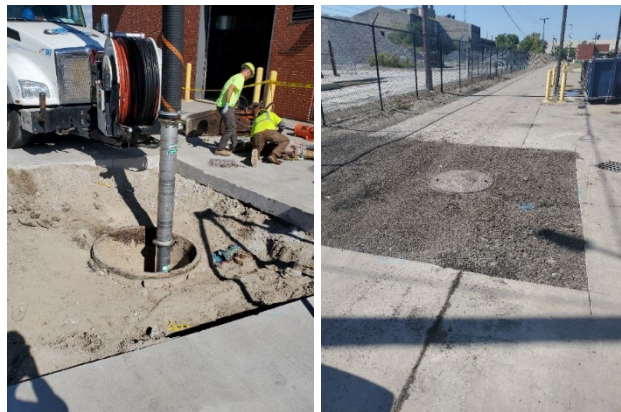
Maintenance

For this month, Maintenance would like to highlight the Secondary, Primary and Incineration Teams. The Secondary team inspected Aeration Deck 1. The deck was drained and flushed to allow entry via a crane and a man basket for the inspection. The inspection involved walking the entire Aeration Deck and inspecting all equipment and structural components. This evaluation was completed safely, and minimal damage was found inside of the deck



Operations and Maintenance staff performing the inspection of Aeration Deck 1

The drain valve for Primary Clarifier 15 rusted shut and required replacement. There was a long lead time for a replacement valve, but the Engineering and Maintenance team worked together to find a valve from a previous construction project that could be used. This valve was larger in face-to-face width and would not fit in the existing manhole requiring the concrete to be removed for the installation of the valve. Using this valve shortened the timeline for this repair from up to a year to four weeks. Photos of the manhole work are shown right.



Due to a noticeable vibration noise from the ID Fan, Incinerator #7 was taken out of service so the noise could be identified. It was discovered that a set screw had loosened causing the fan to rub against the housing causing excessive damage to the fan impeller. The Incineration Team was able to expeditiously replace the fan upon receipt of the replacement parts. Completing this complicated repair in a timely manner provides Operations enough time to ensure proper operation of the incinerator prior to stack testing in November.



The new impeller for ID Fan 7 is being installed on the roof of Complex II. This job required the use of a 120-ton crane to lift the parts to the roof of the 5-story building

WASTEWATER OPERATING SERVICES (continued)

Process Control Center (PCC)

Lab Notification System



The Process Automation and Control System (PACS) Team received a request to implement a lab notification system to prompt the chemist when a change in sampling is required based on process conditions. The team has installed an indicator beacon for indications for pre-storm, primary effluent and flow in the 2nd floor lab area. The beacons have been sired to the 3rd floor PCC Ovation system. The photo shows the new alarm beacon.

Sludge Pump Station (SPS) #3 Gas Detection Panel



Engineering requested that the PACS Team assemble a new sample draw gas detection system for SPS #3. This system is a life safety requirement to protect staff from the possibility of exposure to toxic gases or oxygen depletion. The team constructed the panel in the PACS shop and proceeded to install it at the site. The photo shows the new gas detection system.

Temperature Monitoring for the Incineration Variable Frequency Drive (VFD) Room

The Maintenance Team made a request to the PACS Team to install temperature monitoring in the induced draft fan VFD room located on the roof of the Dewatering building. The induced draft (ID) fans are required to maintain a negative pressure to ensure transport of the products of combustion through the scrubber system and then out of the tall chimney stack. The ID fans are modulated by using VFD to modulate the fans to maintain the correct draft pressure. Failure of the ID fans result in violations to the air permit at the WRRF.



High ambient temperature in the VFD room is an interlock to the VFDs and will cause the fans to trip. The PACS Team installed a temperature sensor on each of the eight VFDs to monitor the temperature. The sensors were added to the Ovation database and graphics, and alarms were created. The photo above shows where new temperature value is added to an existing graphic.

WASTEWATER OPERATING SERVICES (continued)

Laboratory

The WRRF Laboratory welcomed three new team members in the month of September 2022. Michael Shears joined from Chlorination/De-chlorination as a Team Leader. Niyla Reid started as a Chemist, and Andrea Busch was promoted from the Energy Research and Innovation group Management Professional to Laboratory Manager.

As part of continuous improvement efforts, the Laboratory implemented electronic ‘End of Shift’ checklists. These were established in collaboration with the IT and Transformation teams. This will allow the Lab to sustain the 5S program while reducing waste.

The PACS team is in the process of installing lights and horns to notify the Lab team members of the plant of wet weather status. This, in coordination with the Wet Weather Communication board implemented in August 2022 will help ensure that team members are notified of changes or additions to the sampling schedule. The new lights, as well as Ovation updates, will allow PCC, Operations, and Laboratory chemists to work as a team throughout these events to maintain NPDES compliance.

Industrial Waste Control (IWC)

GLWA’s NPDES permit requires a periodic review of the legal authority used for enforcement of the approved Industrial Pretreatment Program. Modifications of the legal authority were proposed and approved by the GLWA Board in November 2019. This is the initial step required under the State’s Utility Authority Act. The City of Highland Park adopted a resolution of concurrence at their meeting on September 6, 2022. We are awaiting a final copy of their resolution. GLWA published a “Notice of Adoption” as required by Act 233 on September 16, 2022 and must wait 30 days in order for the rules to become effective.

A Unilateral Administrative Order was issued in December 2020 to businesses and landowners residing within the City of Melvindale and designated as the sources of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) compound contamination. Marathon Petroleum identified progress in cleaning contaminated stormwater culverts and in the on-going groundwater cleanup activities, and a status call was scheduled for September 13, 2022. During the call, Marathon provided a response to our comments and updates concerning their pilot treatment system installation. There was a follow-up meeting on October 4, 2022. Additionally, the parties have begun work on an Administrative Consent Order to bring this matter towards closure. The work remains ongoing.

WASTEWATER OPERATING SERVICES (continued)

Engineering & Construction

Design Projects

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

This project considers several improvements including pump rehabilitation, an elbow-type flowmeter, arch and structural repairs, an electrical room addition and miscellaneous electrical and control improvements. This project was advertised on July 1, 2022. This project is not eligible for the State Revolving Fund and after several addendums the current due date for bids was October 12, 2022. Bids will be evaluated, and meeting negotiations will occur through the end of the year. We anticipate bringing this to the Board for approval in January or February of 2023.

CIP 212008, Contract No. 2201139 – Aeration Deck 1 and 2 Modifications (WRRF).

This project includes structural and process modifications to the Aeration Decks 1 and 2 at the WRRF. There was a Request for Quote (RFQ) in January 2022 where qualified vendors were selected to participate in the Request for Proposal (RFP) for design-build services. This project was advertised to these selected vendors on September 26, 2022, with a pre-proposal meeting on October 4, 2022, and submissions are due on November 21, 2022.

CIP 260802, Contract No. 2200443 (TOES Task 29T) – WRRF Roof Inspection and Design (WRRF).

This project includes inspection of nearly all roofs at the WRRF. Assessment reports have been developed and the first design package for roof replacement and rehabilitation is underway. The first design package is anticipated to be completed around the end of 2022 and will be provided to procurement for advertisement thereafter.

CIP 270004, Contract No. 2011475 – Oakwood and Leib CSO Facilities Improvements (CSO).

The consultant is presently constructing a schedule and work plan for the whole project as well as working on computational fluid dynamics (CFD) modeling and sampling work necessary to inform other aspects of this project.

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

This project includes flushing system, disinfection system, electrical and other improvements to the Hubbell-Southfield CSO Facility. This contract went to Procurement in July 2022. Advertisement for these design services is now anticipated in October 2022.

WASTEWATER OPERATING SERVICES (continued)

Construction Projects

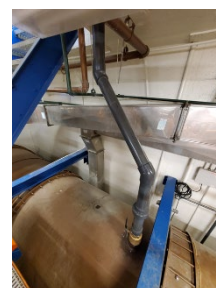
CIP 211008, Contract 2002190 – Rehabilitation of Ferric Chloride (FeCl) Feed System at Pump Station-1(PS-1) and Complex B Sludge Lines (WRRF).

The work under this contract is 42% complete. Weiss recently paved the road in the yard of Complex A, which is now open to traffic. Rotor Electric is installing new lighting for the ferric chloride containment area at PS2. They are also installing the conduits for the power and controls for the future FeCl pump skids in the Chemical Facility at PS2. Weiss held a meeting on September 20, 2022, with Hazen, Watson Marlow, Eco-Tech, and GLWA team members to finalize all changes and comments related to the pump skids before shipment to WRRF. The skids arrived on-site at the Chemical Facility on September 28, 2022. The plumbers are preparing to install the ferric PVC lines to the skids. Weiss and Conrail are currently reviewing and revising the construction plan for the jack and bore underneath the railroad on 4th St. near Complex B. After this work is done, Weiss can install the temporary Thickened Waste Activated Sludge (TWAS) bypass from Complex B to Complex A so the chemical cleaning of the existing TWAS (SCB-30) line can take place. The photo shows new pavement outside Complex A.



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

This project has experienced some delay due to re-design of the ML-1 (Training Building) roof platform and Primary Effluent Activated Sludge (PEAS)-1 sampling system. PEAS-1 location work is almost complete. The contractor is working on finalizing controls work for both packages (A and B) at locations where it applies. A notice of defective work was issued to the contractor on September 16, 2022, about the pump skid installation. The contractor is working on correcting the deficiencies associated with the pump skid installation. Overall, Package A and Package B work are both about 80% complete. The photo shows where Progressive Mechanical installed 4-inch PVC sampling pipe at PEAS-1.



CIP 260614, Contract No. 1902224 – CSO Facilities Structural Improvements Program (CSO). Sixty-one percent of the work has been completed to date. The contractor has been working at six CSO facilities. Sludge removal, assessment, and repairs in the influent channel at Baby Creek facility have been completed. At Hubbell-Southfield CSO facility, pipe saddles replacement work is ongoing and will be completed by the end of October 2022. Pipe insulation has been damaged, three quotes from the contractor are expected soon. Deficiency work has been completed at the 7-Mile and St. Aubin facilities. At the Oakwood facility, cleaning, inspection, and repair work of the wet wells started but is now paused due to ventilation system issues and will take a few weeks to resume. Two sites will be substantially completed by the end of this month, BLI and STA. All Priority 1 items are completed and approximately 34% of Priority 2 items are completed. **Photo 1** shows trip hazard repairs at the Hubbell Southfield facility.

WASTEWATER OPERATING SERVICES (continued)

Photo 2 shows sidewalk replacement at the CON facility. **Photo 3** shows work in progress at Oakwood in the influent area. **Photo 4** shows work in progress at Hubbell-Southfield Facility.



Photo 1

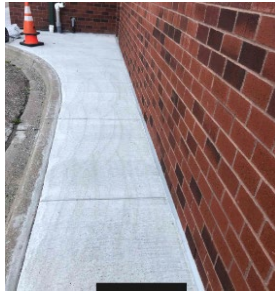


Photo 2

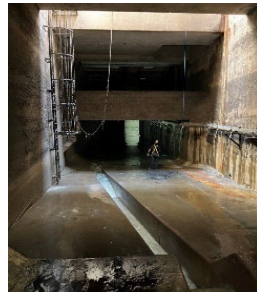


Photo 3

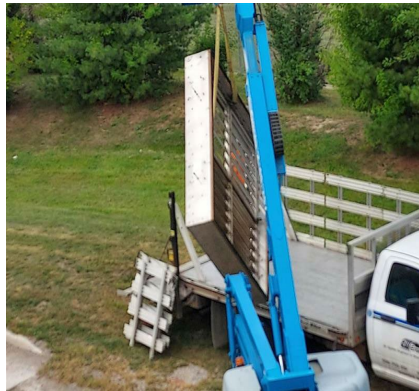


Photo 4

CIP 260618, Contract No. 2003330 – Oakwood HVAC Improvements (CSO).

Construction work continues for this project. A change order which was quoted and negotiated with the contractor for replacement of Air Handling Unit-1 (AHU-1) is going on the October 2022 Board for approval. The left photo below shows backdraft dampers going in on top of the CSO basin beneath the fans so when fans shut off, air flow through the basin stops. The right photo below shows the newly installed make up air unit (MAU) No. 1 installed just before startup atop the Sanitary Pump Station Building 1.

Contract No. 2003330 – Oakwood HVAC Improvements progress photos



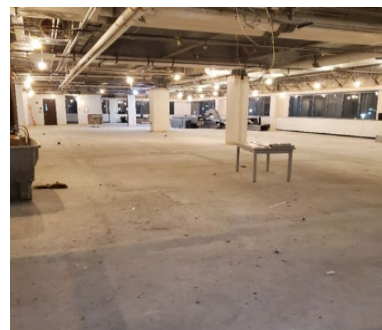
WASTEWATER OPERATING SERVICES (continued)

CIP 260902, Contract No. 2101879 – Renovation of the 4th floor at WRRF.

This contract was awarded to Allied Building Service Company of Detroit, Inc. with a start work date of May 20, 2022, for renovating the WRRF 4th floor. The following demolition activities have been completed as of September 30, 2022; partition walls, cubicles, office furniture, ceiling grid and tiles, terrazzo floors, floor tiles and adhesive. Plumbing pipes have been cut and capped, HVAC ducts have been removed and HVAC controls have been saved for re-use. Demolition and



clean-up work continued through the end of the week of October 3, 2022. Installation of wall partitions is scheduled to start the week of October 12, 2022. The left photo shows the former space of Document Control. The right photo shows the Construction Engineering offices and cubicles area.



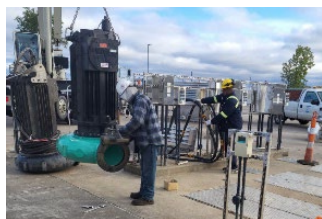
Combined Sewer Overflow (CSO) Operations and Maintenance

CSO Operations

Operations has not had a discharge since June 2022. The Conner Creek CSO Operations Teams continues to work with the Field Services Team by capturing sanitary flow daily as storage, to allow for access into the Detroit Interceptor Sewer and then sends it back to WRRF. This is in support of the Detroit River Interceptor Rehab project.

CSO Maintenance

The Maintenance Team has been working on replacing flushing gates or repairing flushing gates with new hardware for the Conner Creek CSO facility. The purpose is to make sure the team can effectively flush the basin at Conner Creek CSO after wet weather events.



The team will be installing dewatering pumps at various CSO facilities. The intent is to rotate our spare pumps with our primary pumps so that we can fully perform a preventive maintenance service on our pumps and manage run hours on the overall equipment.

WATER OPERATIONS

Water Quality

Michigan EGLE & Michigan Department of Health and Human Services (MDHHS) Algal Toxin Sampling

GLWA is taking samples to assess the levels of algal toxin in the raw and tap of the water system at four of the five water treatment plants as part of a Michigan Department of Environment, Great Lakes, and Energy (EGLE) project. The Lake Huron Water Treatment Plant is not included in the sampling because conditions do not exist for algal bloom formation in the lake. The sampling window started in July and will end in October. Water Quality collects these samples weekly and sends them to the state for analyses. As this is a an EGLE joint project with Michigan Department of Health and Human Services (MDHHS) and surface water utilities, the samples are analyzed by the MDHHS lab.

“Algal toxins are toxic substances released by some types of algae when they are present in large quantities (blooms) and decay or degrade. High nutrient levels and warm temperatures often result in favorable conditions for algae blooms to form” (epa.gov).

Blooms can become so large and dense that they are observable from space. Excess nutrients in the water such as nitrogen and phosphorus can create the environment for the blooms to thrive. “For this reason, indicators such as runoff of fertilizer and manure from cropland and pastures are monitored through studies like these or monitoring stations set up in related watersheds, and to reduce runoff, industries have been advised to use best management practices to limit infiltration” (epa.gov). Even low concentrations of algal cells can be hazardous. The rise in algal blooms can be harmful to other organisms. Some species of algae release toxins that can sicken or kill plants, animals, and people. This can occur due to the growth of the bloom as they use up available nutrients and die en masse. To add as they die, the bacteria involved while they decay use up oxygen in the water. With environmental agencies monitoring the levels, nearby managers and industries have been advised to use best management practices. Agencies can also look to close beaches or take other actions to mitigate harm. Beyond monitoring, researchers are using assorted studies to predict when and where blooms are likely to occur.

Source: [Indicators: Algal Toxins \(microcystin\) | US EPA](#)

GLWA Water Quality Team Members Terry Foster and Adedayo Ogunnupe, Team Leader Yvette Hayes-Johnson, and the 120-inch water main break

When the 120-inch transmission main broke on August 13, 2022, no one knew how much of an impact it would have on GLWA and to our customers. GLWA Water Quality would like to highlight two investigators, Adedayo Ogunnupe and Terry Foster, who stepped-up for GLWA during this trying time. The two team members worked 12 to 14 hour days for a month.



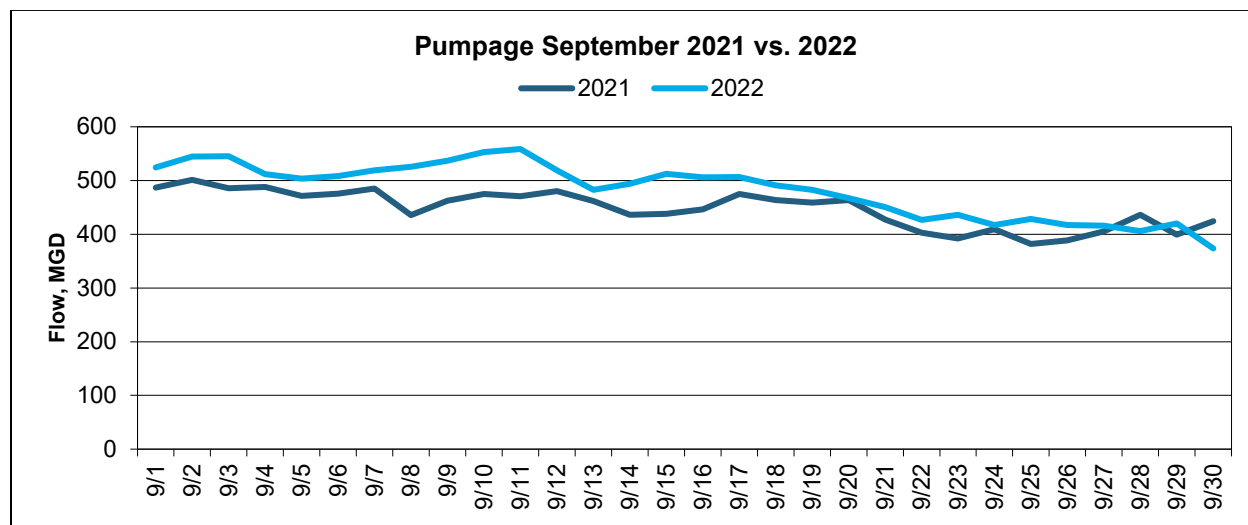
WATER OPERATIONS (continued)

The two investigators also knew working on this project would cause hardship on their fellow team members. Their work on the disinfection reduced the number of staff that could be used to collect the required monthly regulatory sampling. Mr. Ogunnupe and Mr. Foster declined to take time off and get some rest while the team leader prepared to move the disinfection process forward. They felt it was more important to help the Water Quality team catch up on regulatory sampling to meet the end of the month goal. They even made suggestions on scheduling and other ideas on managing both tasks with the amount of available team members.

Adedayo Ogunnupe and Terry Foster were excited that Sue Coffey (CEO) took the time out of her schedule to personally meet with them and visually see their part of the main restoration process. Terry Daniel (Deputy Chief Operating Officer for Water and Field Services) thanked the team for a job well done. Mary Lynn Semegen, Water Quality Manager, expressed appreciation for their hard work and dedication to the team, GLWA, and its member partners.

Systems Control Center (SCC)

September 2022 pumpage was 7.3% higher than September 2021



Energy, Research & Innovation

GLWA, led by Dr. Xavi Fonoll, was notified of GLWA winning a \$1.5 million dollar “waste to energy” project research project funded by the US Department of Energy. The project will perform an onsite feasibility study to evaluate the use of hydrothermal liquefaction to convert our biosolids into “biocrude,” a diesel-like petroleum substitute suitable as a feedstock for refinery operations.

WATER OPERATIONS (continued)

Engineering

Contract No. 1803258 – Wick Road 48-Inch Water Transmission Main.

The Wick Road project has successfully made final connections to the existing 42” and 48” transmission mains which allowed the project team to begin final restoration work throughout the project alignment from Hannan Road to Vining Road. The contractor placed the final course of asphalt including driveways along the three mile stretch of the new 48” transmission main. Once asphalt was completed, the crew could continue performing final right-of-way grading and placing topsoil in preparation for seeding in the fall growing season.

Over the next 4 - 6 weeks, the crew will finish mailboxes, permanent traffic signage, concrete sidewalk replacements, and punch list items on the western half of the project (between Hannan and Vining Road). In low demand season when GLWA provides approval, the contractor will make the final connection at the Wick Pump Station which will complete the project scope.



Pictured left to right:

- *Making final connections to the 42” Transmission main*
- *Prepping and preparing roadbed for asphalt installation.*
- *Asphalt topcoat being installed*
- *Aggregate installation around the culvert area as a soil erosion protection measure.*

INFORMATION TECHNOLOGY

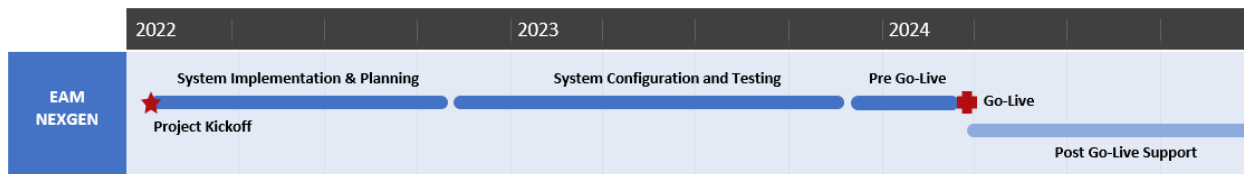
In the past month, the IT Security Team has proactively blocked or thwarted 54,563 messages, 11,881 spoofed messages and 13 viruses. Additionally, 1905 phishing attempts have been caught and 3,466 malware attempts have been blocked.

The IT Infrastructure team has continued working with AT&T and Audicodes on developing a deployment plan for the migration from Cisco VOIP to GLWA’s Microsoft Teams platform, with a deployment deadline of December 12, 2022.

The IT Enterprise Asset Management Systems Team along with our vendor partner, NEXGEN, have completed and documented user requirement memos representing 19 GLWA operating groups and teams for the configuration of the Enterprise Asset Management (EAM) software. Thirty-four (34) business processes have been drafted for how team members and contractors will use the NEXGEN software efficiently and consistently across GLWA.

INFORMATION TECHNOLOGY (continued)

The draft System Implementation Plan has been delivered by NEXGEN and is currently under review by GLWA. The System Implementation Planning phase will be complete by the end of the year. As of October 3, the System Implementation Configuration and Testing phase has begun with initial system configuration being kicked off. The overall schedule for the NEXGEN implementation is shown below:



Bryon Wood, IT Director – Applications Delivery and Joe Burchi, IT Manager – Enterprise Asset Management Systems presented at the 2022 Michigan Government Management Information Sciences (Mi-GMIS) conference on September 21. The topic was “Business Intelligence Tools and Tricks, Part I & II: Build Your Own BI!” Business Intelligence (BI) provides organizations a way to leverage data for a variety of use cases. Part I was an overview of BI, where it can be applied, and how to get started with some real-world examples shared. During Part II attendees were provided a dataset to import into a common BI platform to build their own basic dashboard!



Currently, the IT PMO is managing 23 active projects and is processing 3 project requests.

PUBLIC AFFAIRS

Public Affairs Continued Regular Cadence of Public Information Through the End of the 120-inch Main Break

The Public Affairs team continued delivering consistent messaging and timely information to media outlets, member partners and the public in response to the 120-inch water main break near the Lake Huron Water Treatment Facility. With the water transmission main being returned to service on September 30, the regional system was restored to normal operations and communications were closed out. In total, 21 updates distributed to member partners and the media, as well as posted on our website and social media channels, as well as a large volume of media interviews. Information based on the final report to the Michigan Department of Environment, Great Lakes and Energy (EGLE) will be shared upon its completion. Public Affairs will also play an integral role in the post event debriefs that will be held with member partners and other stakeholders.

PUBLIC AFFAIRS (continued)

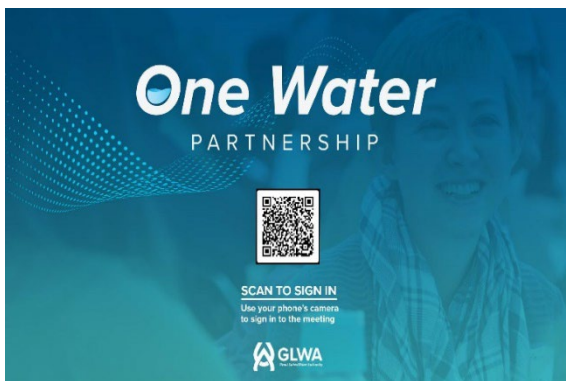
New One Water News Drop

The Public Affairs team produced a One Water News Drop video from the site of the 120-inch water main break near the Lake Huron Water Treatment Facility. The video focuses on the coordination and collaboration that goes on behind the scenes to get a 120-inch pipe to the site of a water main break. A drone was used to capture video at the site and give anyone watching a bird's-eye view of the site. You can watch the video by clicking [HERE](#).



One Water Partnership Streaming

Public Affairs executed a high-quality live stream of the recent One Water Partnership Meeting at Macomb Community College on September 29. The livestream included a three-camera setup with the capability to display presentation slides during the live presentations. Public Affairs also created graphics to be used before and after the meeting, and during the lunch break. The livestream allowed nearly 100 additional member partners and stakeholders to participate in the program remotely via this new option.



Detroit River Water Festival

With the COVID-19 pandemic largely under control, GLWA reengaged with our annual support of the Detroit River Water Festival at the Belle Isle Nature Center, which was held September 27. This event provides quality water education programs for youth in Detroit including Detroit Public Schools Community District students. They are taught about the water table and how to prevent water pollution. The students also participate in many outdoor activities at the Nature Center. It is a very worthy cause that we are proud to support.

PUBLIC AFFAIRS (continued)

Project Update Template

Public Affairs has created a GLWA Project Update Template PDF that can be filled in by any team member with information on the status of their project. Details include a project brief, phase of the project, what is happening in that phase currently and key dates. The template was originally created to update employees on the transition to Workday but can be utilized for any future projects.

Project Update Project Name		GLWA Great Lakes Water Authority	project logo here
Insert text here			
PROJECT PHASE	WHAT HAPPENS DURING THIS PHASE	KEY DATES	
PLAN	Insert text here	Insert text here	
DESIGN	Insert text here	Insert text here	
CONFIGURE & PROTOTYPE	Insert text here	Insert text here	
TEST	Insert text here	Insert text here	
DEPLOY	Insert text here	Insert text here	

Public Affairs Participates in 1st Annual GLWA Women's Health Celebration

On October 6, the first Annual GLWA Women's Health Celebration was attended by a virtual audience of 47 GLWA women plus one guest speaker. Public Affairs Management Professional Debbie Frazier was honored to be asked to participate to share information about GLWA's ongoing commitment to the ***Making Strides Against Breast Cancer*** event and our internal **Pink out the Plant** event which not only creates fun on-site events in support of breast cancer at our facilities, but also raise significant funds in support of this important cause.

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 294 hours of training during the month.

The Security and Integrity Group attended a virtual Emergency Operations Center (EOC) Weather Activation drill.

The Group completed and closed the emergency EOC for the 120-inch water main break near the Lake Huron Water Plant and began working on the upcoming "hotwash".

Lastly, the group has started collaborating with Public Affairs to produce a training video for the ReadyOp notification system and its importance.

ORGANIZATIONAL DEVELOPMENT

Apprenticeships

OD Director, Deierdre Weir, and OD Manager, Pat Butler, spoke during the Water Workforce Webinar presented by the U.S. EPA. The webinar topic: Utility and Community Partnerships to Help Build Water Careers. During the webinar, GLWA's One Water Institute, apprenticeship programs, and community partnerships were highlighted. Over 190 participants attended the webinar throughout the U.S.

During the month of September, Organizational Development held virtual information sessions for internal and external candidates who were interested in the newly announced EICT-I apprenticeship program.

The EICT-E apprentices rotated and successfully adjusted to their new assignments.

The new apprentice recruiting video featuring Team Leader Candace Hobson's career path was finalized and approved.

Internships

The Summer Internship Program concluded on September 2, 2022. OD surveyed the Leadership Team Members (LTM) and the Interns. The overall survey results are shown below:

- LTMs rated the program as exceeds expectations and said it is very likely they will participate in the program in the future.
- Interns rated the program as exceeds expectations and said it is very likely they would return to GLWA for internship opportunities in the future.
- Interns said it is very likely they would refer others to GLWA's Summer Internship Program.

Employer Led Collaborative

OD led the kick-off meeting for the Employer Led Collaborative (ELC) with Focus: HOPE. Several of GLWA's member partners attended the meeting. The launching of the ELC is a grant deliverable for the MICA 3.0 grant that was awarded to Focus: HOPE in November 2021.

The ELC will use the Talent Pipeline Academy framework to identify and fill high-demand manufacturing service jobs with well-trained and skilled workers.

ORGANIZATIONAL DEVELOPMENT (continued)

Talent Pipeline Management

OD Manager, Pat Butler, represented GLWA at the Talent Pipeline Management (TPM) National Learning Summit at the U.S. Chamber of Commerce in Washington, D.C. The summit included a panelist from the State of Michigan's Department of Labor and Economic Development Opportunity (LEO). LEO is leading the state's TPM Career Readiness TPM Academy initiative.

Staffing

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

Number of New Hires	16
Number of Separations	11
Total Staffing - Regular FTEs (YTD)	967

Benefits and Wellness

No Copays for Bright Horizons Back-Up Care™ and Tutoring in October!

Bright Horizons provides back-up childcare in high-quality centers or in a team member's own home, and in-home care for adult and elder loved ones. Team members can also use their back-up care benefit to schedule time with an experienced tutor for themselves or for their child.



Reimbursement available!

Additionally, when Bright Horizons network services are unavailable due to gaps in network coverage, team members can now receive reimbursement of \$100/day for each use. Each reimbursed use counts as one back-up care use.

Free Cardiovascular Screenings

GLWA provided cardiovascular screenings at the Central Services Facility (CSF), Water Resource Recovery Facility (WRRF), and Water Works Park (WWP) at no cost to team members.



AngioScreen is a 10 minute, on-site screening that requires no preparation or blood-work and costs little more than the conventional biometric screenings.

ORGANIZATIONAL DEVELOPMENT (continued)

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!

Free On-Site Flu Shot, COVID Vaccine Clinics

GLWA hosted free on-site flu shot and COVID vaccine clinics in partnership with Health Alliance Plan and the Visiting Nurses Association. The clinics were held at Central Services Facility (CSF), Water Resource Recovery Facility (WRRF), and Water Works Park (WWP). GLWA team members were able to get their flu shot and the new COVID booster, which protects against Omicron and its subvariants.



National Retirement Security Week

The Department of Labor facilitated two live retirement education webinars for GLWA team members: “Savings Fitness: A Guide to Your Money and Your Financial Future” and “Taking the Mystery out of Retirement Planning.”



MissionSquare Retirement Plan Specialists facilitated a live retirement education webinar on Market Volatility for GLWA team members. Additionally, one-on-one consultations were held with GLWA team members to review their individual retirement plan accounts.

1st Annual GLWA Women’s Health Celebration

GLWA hosted its first Women’s Health Celebration with close to 50 GLWA women in attendance. Team members and guest speakers shared success stories centered around mental well-being, weight loss, health challenges, vegan diets, GLWA wellness resources and Pink Out the Plant in recognition of Breast Cancer Awareness Month. Dr. Pamela Pugh, co-founder of Regeneration LLC was the guest speaker, who spoke about self-care and finding ways to support mental well-being.



Transformation Thursdays and Drop 5 Virtual Weight-loss Community

The One Water Wellness team continued Transformation Thursdays supported by the Blue Cross Blue Shield of Michigan (BCBSM) Drop 5 Virtual Weight-loss Community. The Drop 5 Community provides health-related resources to team members and celebrates scale and non-scale victories.

ORGANIZATIONAL DEVELOPMENT (continued)

October topics to encourage healthy living were Breast Cancer Awareness Month; College Student Health Insurance and Well-Being Checklist; Prioritizing Your Self-Care; and Create Charcuterie Boards for the Holidays. Transformation Thursdays resumed with Alicia Jackson, LPC supporting team members with “Recognizing and Acknowledging Your Self-Worth and Value.”

Training

During the month of **September**, **240** GLWA team members completed **31** safety courses and **13** non-safety courses for a total of **321** instructor-led training hours. Also, **15** GLWA team members and **one** member partner completed **27** online 360Water courses.

FINANCIAL SERVICES AREA

September 2022 Audit Committee Recap

The most recent Audit Committee meeting was held on Friday, September 23, 2022. The GLWA Audit Committee binders are publicly available at www.glwater.org/financials/. The meeting included the following topics.

- ✓ An update on the recent Water and Sewer bond transaction that has provided \$450 million in new funding to support the GLWA capital improvement plan.
- ✓ A request to recommend for Board approval Procurement Policy updates associated with administrative procedures.
- ✓ A request to recommend for Board approval FY 2023 First Quarter Budget Amendments.
- ✓ Review of the June 30, 2022, Monthly Financial Report (Executive Summary attached).
- ✓ A monthly update on the Business Inclusion and Diversity (B.I.D.) program.
- ✓ Introduction of a new, monthly member partner update from the Charges Outreach & Modeling team as well as review of the Annual Max Day/Peak Hour report.
- ✓ Introduction of a new, quarterly Shared Services report highlighting a summary of billings and payments by fiscal year, final costs of service estimates, and next steps for ongoing coordination with DWSD.
- ✓ Review of the Gifts, Grants & Other report through July 31, 2022, and the Quarterly Construction Work in Progress report through June 30, 2022.
- ✓ Circulation of the latest Procurement Pipeline.

Affordability & Assistance Update

Water Residential Assistance Program (WRAP) Service Delivery Partners Macomb Community Action and Wayne Metropolitan Community Action Agency have officially began rolling out the WRAP Income Based Plan (IBP) this month.

FINANCIAL SERVICES AREA (continued)

The WRAP IBP provides for increased bill assistance to better meet an individual household's need by considering the household income and water bill amount. WRAP IBP is available to existing participants and newly enrolled households to all eligible households in GLWA Member Partner communities.



To learn more about WRAP, the recent program improvements and how your community can benefit, GLWA will be holding a virtual WRAP Update Meeting for all member partners at 1:00 p.m. on October 27, 2022. Member Outreach has sent an email notice and invite. An agenda will be provided closer to the meeting date. Email WRAP@glwater.org with any questions or for further details.

The Member Partner WRAP Advisory Panel held its second meeting on October 4, 2022. The discussion centered around perception of need within GLWA member partner communities, how to support WRAP efforts, and expanding partnerships to increase the reach of WRAP. Participants indicated a willingness in having GLWA and their respective service delivery partner attend a community board or council meeting to share about WRAP and the recent program improvements and a number of speaking opportunities have since been scheduled.

In addition, the Advisory Panel received an update regarding efforts to streamline member partner administration associated with WRAP. A GLWA business process consultant met directly with a group of member partner communities to understand some of the challenges identified and work is currently underway with the BS&A utility billing system vendor to explore potential solutions. The next Member Partner WRAP Advisory Panel is scheduled for December 6, 2022.

The GLWA Affordability & Assistance team is also working with Public Sector Consultants to establish new key performance indicators (KPIs) and metrics for WRAP, which have been previewed with the service delivery partners as well as Member Partner WRAP Advisory Panel participants. The KPIs will be an input for the Quarterly WRAP report that is shared with the GLWA Audit Committee.



FINANCIAL SERVICES AREA (continued)

Procurement Pipeline

The October Procurement Pipeline edition is attached. This month features background regarding the new vendor performance assessment program, a mask update for vendors visiting GLWA facilities, a note on who to contact to schedule a virtual vendor introduction with GLWA, a reminder of the information available in the monthly CEO Report, and a listing of upcoming solicitations.

The General Counsel's October 2022 Report is an attachment to the Chief Executive Officer's Report.

Respectfully submitted,



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

SRC/dlr
Attachments

- June 30, 2022 Financial Report (Executive Summary)
- October 2022 Procurement Pipeline
- General Counsel October Report

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)

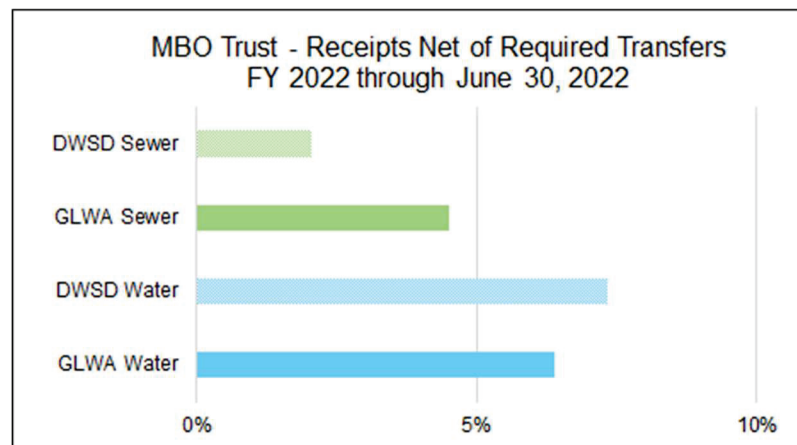
Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Budget amendments are prepared and presented quarterly based on most current information. To address the wholesale water revenue shortfall, a first and fourth quarter budget amendments were approved totaling \$4.9 million.

Capital spend reflects a noticeable variance from budgeted CIP for both the water and sewer funds. For the purposes of this metric, we compare actual spend with the Board-approved budget. For the purposes of managing the financial plan, budget amendments are made to align spending with resources available. The fourth quarter FY 2022 budget amendments were approved by the Board to achieve that alignment.

As of June 30, 2022					
Metric	FY 2022 Budget	FY 2022 Amended Budget	FY 2022 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$329.0	\$324.1	\$325.4	0%	46
Wholesale Water Billed Usage (mcf)	13,589,000	13,139,000	13,161,000	0%	
Wholesale Sewer Billed Revenue (\$M)	\$271.4	\$271.4	\$271.4	0%	48
Wholesale Water Operations & Maintenance (\$M)	\$143.9	\$143.9	\$128.9	-10%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$181.3	\$191.9	\$190.4	-1%	
Investment Income (\$M)	\$3.0	\$3.8	\$3.8	0%	35
Water Prorated Capital Spend w/SRA* (\$M)	\$134.3	\$134.3	\$159.0	18%	26
Sewer Prorated Capital Spend w/SRA* (\$M)	\$79.5	\$79.5	\$70.5	-11%	27

*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 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 \$7.5 million and DWSD Sewer reports a surplus of \$6.0

million of net receipts over disbursements through June 2022.

The DWSD loan receivable for fiscal year 2018 has now been paid in full. DWSD is closing fiscal year 2022 with positive net receipts in both Water and Sewer funds and no loan receivable balance.

Budget to Actual Analysis (page 3)

- FY 2022 information includes the fourth quarter budget amendments which were approved by the GLWA Board on June 22, 2022.
- This report is not final. Adjustments related to the fiscal year end 2022 audit will affect the Budget to Actual Analysis.
- The total Revenue Requirements are on target through June 2022.
- The total overall Operations & Maintenance expenses are at 95.1% of budget through June 2022.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for June 2022 is \$87.9 million for the Water fund (25.5% of total revenues) and \$118.2 million for the Sewer fund (25.1 % of total revenues).
- Water Net Position decreased by \$ 4.5 million, and Sewage Disposal Net Position decreased by \$ 5.0 million for the year to date through June 2022.

Capital Improvement Plan Financial Summary (page 28)

- Water systems exceed the 75% Capital Spend Ratio assumption.
- Sewer systems also exceed the 75% Capital Spend Ratio assumption.

Master Bond Ordinance Transfers (page 31)

- For June, transfers of \$13.6 million and \$28.2 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for June, transfers of \$3.9 million and \$7.0 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 35)

- Total cash & investments are \$353 million in the Water fund and \$446 million in the Sewer fund.
- Total, combined, cumulative, FY 2022 investment income through June is \$3.8 million.

DWSD Retail Revenues, Receivables & Collections (page 42)

- Water usage through June 30, 2022 is at 109.41% and revenues at 100.90% of budget.
- Sewer usage through June 30, 2022 is at 104.48% and revenues at 99.98% of budget.
- Combined accounts receivable balances for the water and sewer funds report an increase of \$52.3 million over the prior year.
- Past dues over 180 days make up 69.3% of the total accounts receivable balance. The current bad debt allowance covers 100.5% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 48)

- GLWA accounts receivable past due balance net of Highland Park is 9.40% 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 \$53.4 million. It includes \$40.6 million for wastewater treatment services, \$1.8 million for industrial waste control services, and \$10.9 million for water supply services. Highland Park made a catch-up payment of \$1.7 million on June 3, 2022 and continues to make small, monthly payments since that time.

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

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

New! GLWA to Launch Vendor Performance Assessment (VPA) Program October 2022

GLWA Procurement is excited to announce the launch of the Vendor Performance Assessment (VPA) Program in October 2022. A VPA is a scored survey that will document a vendor's performance in fulfilling the contract requirements for projects awarded over \$1 million or more. Collecting this data will enable GLWA Team Members to provide important feedback to both GLWA and vendors for future contract awards. Please read below for some more key details regarding GLWA's new VPA Program.

- ✓ VPA data will be collected from GLWA Project Managers within 30 days of the contract end-date via an online survey collection tool.
- ✓ Once VPAs are submitted by the Project Manager and validated by GLWA's Vendor Management Team, they will be shared with Vendors as well as GLWA stakeholders.
- ✓ VPA scores will count toward a Vendor's aggregate performance score and will remain valid for a period of three years after the contract's end-date. During this time, VPA scores will be used by GLWA during the contract evaluation process.
- ✓ Vendors with an aggregate VPA score of 70% or less will be classified as "at risk."
- ✓ Vendors will have the opportunity to appeal VPA scores within 30 days of receipt.

Not only will GLWA's VPA Program provide important data for future sourcing decisions, but it will also help GLWA to improve future solicitations as well as provide vendors with collaborative feedback on future projects. Any questions regarding GLWA's new VPA Program should be directed to [Michael Lasley](#) and [Megan Savage](#).

Coronavirus Update #172: GLWA Mask Mandate Lifted at all GLWA Facilities & Project Worksites

On September 30, 2022 GLWA issued [Coronavirus Update #172](#) to the Vendor Community, indicating all the counties where staffed GLWA facilities or project worksites were no longer "RED" on the Centers for Disease Control and Prevention (CDC) [Community Levels](#) list. As stated previously in [Coronavirus Update #159](#), this means that the wearing of facing masks is currently optional for Vendors providing onsite services at GLWA facilities or project worksites regardless of their location until further notice. Any questions regarding this matter 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 September 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 October 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	270001	Pilot Netting Facility	\$6,000,000
Design-Bid-Build	261001	WRRF Rehabilitation of Secondary Clarifiers	\$6,000,000
Water System (next three months)			
None			
Wastewater (next three months)			
Construction	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 3 Year Contract With (2) One Year Renewal	\$2,200,000
Professional Services	O&M	Professional Technical Services for Sewer Meter Support	\$8,500,000
Construction	114017	Springwells WTP 1958 Flocculator Replacements	\$22,945,000

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 – October, 2022

- ***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 is appealing MDOT's decision.
- ***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.
- ***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 will conclude the 2022 contract alignment/reopener negotiations for all 84 member partners plus Detroit in October 2022. Administrative items and contract approvals will continue through approximately February 2023.
- ***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:*** 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. 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.

- ***Statistics:***

	#
• Contracts approved as to form:	22
• Contracts drafted or revised:	72
• Subpoenas/Information requests received:	2
• Subpoenas/Information responded to:	7