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

March 23, 2022

The Honorable
Board of Directors
Great Lakes Water Authority

RE: Interim CEO's Report – March, 2022

Dear Chairperson Quadrozzi and Directors:

Over the last 30 days, I have focused my efforts on all three of the goals I outlined at the beginning of my tenure as Interim Chief Executive Officer at GLWA – retention and recruitment, transparency and communication and system resiliency.

First, I wanted to share with you that I have been spending a significant portion of my time on what I believe to be the most critical of my goals – the retention and recruitment of GLWA team members. Specifically, I have focused on the retention of the highly skilled and talented team members who have been working with GLWA to ensure that we deliver on our promise of being the provider of choice for high-quality water and wastewater services to southeast Michigan. Our organization is made up of incredible public servants who are dedicated to our One Water philosophy. I want to make sure that we work to retain as many of these valuable team members as possible in this tight labor market.

As you know, transparency through open communication has also been an important goal to me. Throughout our recent charges approval season, we have been communicating as openly as possible with our member partners about the issue of the Highland Park bad debt recovery and its impact on FY23 charges. On Friday, March 11, myself, CFO/Treasurer Nickie Bateson and General Counsel Randal Brown presented on the issue before the Conference of Western Wayne (CWW), which is comprised of elected representatives of the 18 member partners communities located throughout western Wayne County. Chief Administrative and Compliance Officer Bill Wolfson and Chief Public Affairs Officer Michelle Zdrodowski also joined us for support.

Not only did we provide the CWW with a history of the Highland Park issue and rationale behind the bad debt expense recovery, but we also answered a very broad cross section of questions. While we did not always agree on the issues at hand, I do believe that there was a common respect on both sides and new knowledge was gained by the elected officials representing our member partner communities.

Moving onto my goal of improving system resiliency, I know that last week we informed you of the $2 million in funding that was included for GLWA in the recently passed omnibus spending package for government operations by the U.S. legislature.

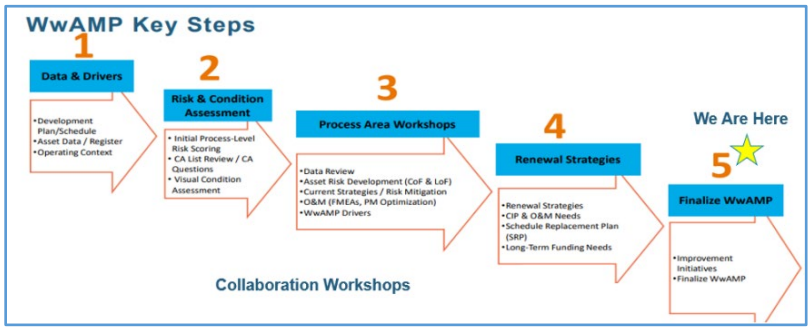
The $2 million will assist GLWA with Phase 4 of its Detroit River Interceptor (DRI) project, which is a multiphase project to clean, repair, rehabilitate, and maximize the capacity of the Detroit River Interceptor or DRI. We are grateful to both Senator Debbie Stabenow and Senator Gary Peters for their support and advocacy on this project.

I was honored to have been invited by Senator Stabenow to participate in a press event on Friday, March 18 hosted by Macomb County Public Works Commissioner Candice Miller to provide a public update on the various water infrastructure improvement projects being funded by this spending package. The DRI project is the perfect example of work that GLWA is doing that embodies this philosophy, and my participation in this press event was the perfect way for me to reinforce our message that the pipes within the regional system don't know the boundaries between our regional and local systems.

Finally, as I do with each of my reports to this Board, I want to share with you an honor bestowed on one of our team members. It gives me great pleasure to tell you that CFO and Treasurer Nickie Bateson has received the Alumni Achievement Award from her alma mater Eastern Michigan University, which is presented to alumni who have achieved distinction in their chosen field, clearly demonstrated the value of their college education and maintained a continuing interest in EMU. Nickie is one of only two people to receive this award in 2022. It's a well-deserved honor for Nickie!

PLANNING SERVICES

Asset Management Group (AMG)



GLWA's Wastewater Asset Management Plan (WwAMP) is a comprehensive look at all wastewater assets, their condition, risk, criticality, lifecycle costs, preventative maintenance and replacement strategies that began over a year ago with our consultant, Jacobs, and is nearing completion. Several primary focus areas of the WwAMP are identified below:

- **Condition Assessment Program** – High risk wastewater asset condition scores, photos, and inspection reports
- **Preventive Maintenance Optimization** – For process areas related to primary, secondary, incineration, dewatering, common support
- **Failure Modes Effects Analysis** – For several assets within primary, secondary, dewatering process areas
- **Lifecycle Modeling -** To anticipate and plan for future funding needs

Having commenced in early spring 2021, GLWA is also working to complete a Water Asset Management Plan (WAMP) for the assets in the water system. The process is following the same development model as the WwAMP and is planned to be completed in June of 2022.

Similar to the WwAMP, the WAMP will provide GLWA with high risk asset condition assessments, preventative maintenance optimization, failure modes and effects analysis of several assets and lifecycle modeling to anticipate and plan for future funding needs.

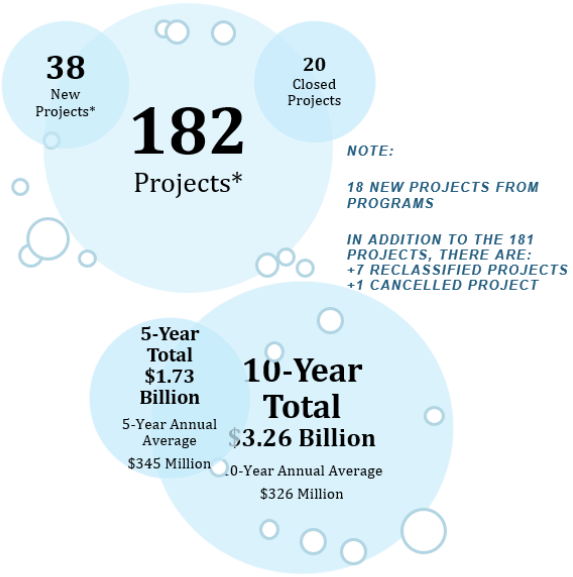
One of the major tasks being undertaken during the WAMP is a visual condition assessment of GLWA assets. During several workshops, GLWA Team Members collaborated to rank facilities, process areas and asset types by criticality. A list of approximately 2,000 assets located at five booster pumping stations and all five water treatment plants was developed and scheduled for inspection.

Jacobs visited various GLWA water facilities to perform the visual condition assessments. GLWA operators assisted the asset assessment team to provide access to assets, energizing assets whenever possible, and to provide valuable operational information. Asset management team members also accompanied Jacobs, using this opportunity to place tags with asset information and a scannable QR-Code in advance of GLWA's NEXGEN conversion.

PLANNING SERVICES (continued)

Capital Improvement Planning Group (CIP)

GLWA Board of Directors approved the FY 23-27 CIP on February 23, 2022. The CIP Group is truly thankful for GLWA leadership and the CIP delivery team members for their valuable contribution to the successful completion of the plan! The plan is effective July 1, 2022. The CIP Team has already began planning for FY 24-28 CIP and is reviewing the scoring process, updating schedules and budgets, and preparing business case evaluations.



Last month, the CIP team participated in the last two vendor presentations for the Project Management Information System selection. The evaluation process is almost complete with the anticipated vendor contract award to occur in March 2022. GLWA expects to complete contract negotiations in September 2022.

The CIP team facilitated multiple sessions to discuss the CIP delivery team's new roles for water and wastewater. The two new roles are the (Technical Management Leads (TMLs) and Life Cycle Project Managers (LPMs). The engagement and support from chiefs, directors, and the Organizational Development team during those sessions added a tremendous value to the delivery of the information.

Furthermore, the CIP team was actively engaged in hosting soft-training sessions related to roles on several Program Management Plan (PMP) chapters (design, construction, change management, procurement, schedule, etc.). The purpose of "soft" training is to provide an overview of key changes to CIP delivery roles resulting from the implementation of the PMP. This will assist in LPM and TML role decisions.

Role Transition Plan

PLANNING SERVICES (continued)

Lastly, the CIP team continues to actively work to expand the CIP team with the goal of supporting CIP project delivery. In February, multiple interviews were conducted to fill the "Manager of Controls" role.

Systems Planning Group

Water Analytical Work Group (AWG)

AWG members met on February 1st to learn about the repair of a break on the 48-inch main near 14 Mile Road and Drake Road, as well as the status of GLWA's Corrosion Control Optimization Study. It is expected as part of the Corrosion Control Optimization Study that testing of various pipe materials will begin in summer 2022, with the final report and recommendations concluded in May 2023. GLWA's contract negotiations team gave an overview of the 2022 Water Model Contract Reopener process, during which the team will meet with 85 Member Partner communities to negotiate contract demands for the next four years. Members discussed a potential new approach to establish minimum contract values for maximum day and peak hour demands. A follow-up meeting occurred on February 14 to confirm an alternate approach that will use six years of data to determine minimum demand values, while retaining the 10% operational buffer over the highest demonstrated demand.

Watershed Hub Work Group

On February 2nd, the Watershed Hub Work Group met to debrief the fourth Watershed Hub Stakeholder Webinar, which took place on January 25th. The work group built consensus around early design elements of the regional investigational grab sampling program and is preparing for meetings with stakeholders. The design of the grab sampling program is funded by a grant from the Michigan Department of Environment, Great Lakes, and Energy and has directed the attention to potential locations of the most egregious dry weather water quality issues in the region.

Communication and Education Work Group

At the February 10th Communication and Education Work Group, members learned about SEMCOG's current initiatives and those planned for 2022. Many of these initiatives involve water infrastructure, including an effort to engage communities to develop coastal resiliency solutions, and a series of community conversations on the "New Future" of water infrastructure. Members discussed the most important messages to convey to the public about regional infrastructure and reviewed water assistance programs, such as the new Low Income Household Water Assistance Program (LIHWAP).

Capital Improvement Plan (CIP) Work Group

The Capital Improvement Plan (CIP) Work Group met on February 22nd. CIP Director Dima El-Gamal, P.E., PhD, reviewed highlights from the Board approved FY 2023 – FY 2027 CIP, as well as restructuring and expansion of the CIP delivery team, including the addition of new roles with CIP delivery responsibilities.

PLANNING SERVICES (continued)

Peter Fromm and Chris Nastally provided overviews of two water and two wastewater CIP projects. Megan Savage, Vendor Outreach Coordinator for GLWA, previewed upcoming vendor outreach events.

WASTEWATER OPERATING SERVICES

Wastewater Operations

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

Maintenance

The replacement of Main Lift Pump #1 pull-out assembly (shown right) was completed in February. Being one of the large pumps at Pump Station #1, returning this pump to operations has improved WRRF's operational flexibility in time for the upcoming spring weather. This flexibility also allows operations to rotate pumps more frequently to better even out runtime amongst the pumps providing greater longevity of plant equipment.

WRRF's Main Lift Pump #1 motor

Newly installed solenoid valve will conserve water usage

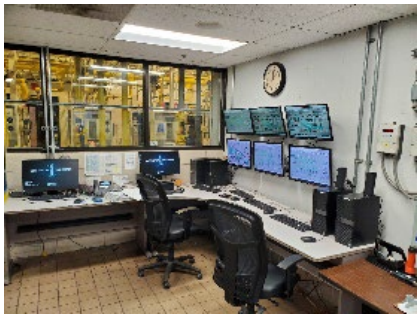
The Primary Team installed solenoid valves in the seal water line for the Main Lift Pumps at Pump Station #1 (shown left). With the addition of these solenoid valves, seal water will now flow as part of the start-up sequence for a Main Lift Pump and stop flowing as part of the shutdown sequence. The automation of the seal water system for each pump will lower the water usage of the plant by minimizing the time the seal water system is in operation while the pump is shutdown.

WASTEWATER OPERATING SERVICES (continued)

The Primary Team has also been working on refurbishing the bar racks at Pump Station No. 2. This work will improve the reliability of the screening equipment and performing this work internally provides a great cost savings to GLWA and showcases the abilities and dedication of the maintenance team members at the WRRF. So far, three of the eight bar screens have been refurbished with a plan in place to complete the remaining five units.

New sprockets and bearings on a bar rack at WRRF's Pump Station 2

Process Control Center (PCC)



The Process Automation and Control System (PACS) Maintenance Team installed wall mount monitors in the control rooms in the Chlorination and Dechlorination facilities. These monitors are used by Operations to monitor and control the process equipment at these facilities. This installation reduced the clutter on the desktop and created a better work environment.

The PACS Engineering Team reviewed design documents for Pump Station 1 for quality control purposes and to ensure that the Instrumentation and Control (I&C) documents meet GLWA operational requirements. A future workshop will be held to address I&C and network and cybersecurity issues discovered. The team also reviewed proposals for the replacement of the control systems at three CSO facilities.

Laboratory

As an after action to a recent violation, the WRRF laboratory team created a checklist for BOD (biochemical oxygen demand) analysis to ensure testing is completed within acceptable limits. Additionally, the team is supporting Research and Innovation on projects, including work related to PFAS (Per-and polyfluoroalkyl substances) and our influent COVID Study.

The State of Michigan EGLE staff communicated with General Counsel and requested conducting a joint public hearing on the proposed local pollutant discharge limitations, and submitted a proposed Public Hearing Notice to GLWA for comment. We have submitted our comments to EGLE and are awaiting a reply.

WASTEWATER OPERATING SERVICES (continued)

Design & Construction Engineering

Design Engineering

The Design Engineering Team is working on the following projects:

CIP 212007, Contract CS272 2.7.027A – Secondary Clarifier Rehabilitation Program. This project has been undertaken by Program Management to develop a program for rehabilitating the WRRF Secondary clarifiers. The kick-off for this project was March 4, 2022.

JOC 57, Contract 2003056 – Complex II Incinerators – Replacement of Emergency Bypass Dampers. This previous work was already bid and is canceled. Currently, this contract is being revised to include four separate mini-contracts: Contract 1 - Replacement of Emergency Bypass Dampers; Contract 2 – Internal Refractory Repairs; Contract 3 – Enhancement of Sludge Feed Drop Holes on Hearths 1 and 2; and Contract 4 – Breech Repair. Construction documents have been completed, and preparation is underway forbidding this under a special procurement to complete the work on Incinerator 11 which is currently idle and must be restarted soon.

JOC 68, Contract No. 2100319 – B-House Reducer and Flowmeter Replacement. This project attempts to repair pipe leakage from a concrete wall at one end and replace the reducer on the other end of the 48" clarifier influent piping within B-House. There is a B-House associated with each of the secondary clarifiers. Over the years several temporary leak repairs had taken place, and last year five reducers were replaced. This JOC includes five more B-Houses this year.

A closer look at original construction documents revealed the B-House walls lack sufficient reinforcement at the openings at both ends and will require treatment more than just replacement work or patching of leaks. Further evaluation work is now assigned to the RFP Work for the Secondary Clarifier Rehab (7-2-027A). The kick-off meeting for the RFP effort took place in late February 2022. Until a proper fix is identified through the RFP docs, some limited work may be undertaken to address worst-case leaking and failing reducers.

Construction Engineering

The Construction Engineering Team is working on the following projects:

The contractor has agreed to provide a new impeller for Pump No. 14 but with revision to the maximum head requirement and operating range. The corrective action plan is being finalized with the contractor so the contractor can proceed with the new Computational Fluid Dynamics modeling and design and fabricate the impeller.

CIP 213007, Contract CON-197 – WRRF Modification to Incineration Sludge Feed Systems at Complex II. The work under this contract is more than 96% complete and the contractor has recently completed the installation of the last four screw feeders and P13-14 belt, which were the last remaining heavy equipment components planned under this contract.

WASTEWATER OPERATING SERVICES (continued)

This contract has experienced delays due to COVID -19 and performance issues associated with the newly furnished and installed screw feeders. A notice of defective work was issued to the contractor and the issue is being corrected. Change Order No.2 for additional time and money was approved by the Board in January 2022.

CIP 211008, Contract 2002190 – Rehabilitation of Ferric Chloride Feed System at PS#1 and Complex B Sludge Lines. This contract was awarded to Weiss Construction Company on April 5, 2021. The work under this contract is 13% complete. The contractor has completed the majority of submittals and has completed all polymer system demolition. Major components of the chemical feed system, including piping and precast concrete vaults, are on-site awaiting installation. The contractor will continue with new lighting installation, painting and coatings application, masonry repairs, and control system development. Pandemic and supply chain issues may delay the delivery of some materials.

CIP 216004, Contract 1802410 – Rehabilitation of various Sampling Sites and PS#2 Ferric Chloride System at WRRF. Construction is progressing at the site for Package A for all the sampling sites and Package B for PS#2 Ferric Chloride system. This project has experienced delays due to the pandemic and pump-skid related changes. Change Order No.3 for additional time and money was approved by the Board in January 2022. Package A work is 65% complete. The majority of work left is at ML-1 (Training Building) and the Oakwood sampling station. Package B is 50% complete. The work left to do is the feed pump skid and related plumbing, electrical, and controls work.

RFB 2102834 – Facilities Maintenance Services. Bids were received for the new Facilities Maintenance Services contract for WRRF and the CSO and the bids are being evaluated to determine the responsive and responsible lowest bidder who can meet the minimum qualifications indicated in the RFB instructions to vendors.

CSO Control Program

The CSO team is working on the following projects:

CIP 260614, Contract 1902224 – CSO Facilities Structural Improvements Program. Work inside the wet well areas of Baby Creek and Oakwood are moving along to facilitate inspection and repairs of these very hard to access areas. As spring weather breaks, repairs will accelerate outdoors. The team recently coordinated with DWSD to obtain approval for Belle Isle repairs to occur, and those are presently being scheduled.

CIP 260618, Contract 2003330 – Oakwood HVAC Improvements. Substantial progress was made in January and February 2022 and work continues to progress. The left picture below shows a supply fan at Oakwood that is non-functional being removed, and the fan shaft being prepared for the new fan to go onto the roof. The right picture below shows a safety railing being installed at Oakwood, and the future supply fan location being prepped.

WASTEWATER OPERATING SERVICES (continued)

CIP 260612, Contract 2004666 – Conner Creek Dike Improvements. Project progress continues. The left picture below shows an aerial view looking toward the Conner Creek Retention Basin (RTB) (in the right of the photo) and Freud Pump Station (PS) (left in the photo) at the wall construction along Conner Creek. The right picture below shows a view looking north along Conner Creek (Conner RTB up on the left) showing wall and fencing progress.

CIP 277001, 1902908 – Baby Creek Sediment Removal Project. Three proposals were received in January 2022, and the evaluation team is currently scheduling interviews with the top respondents. We anticipate deciding on the successful design-build team in March and bringing it to the board for approval in May 2022.

WATER OPERATIONS

Springwells Water Treatment Plant

Heating System at Springwells

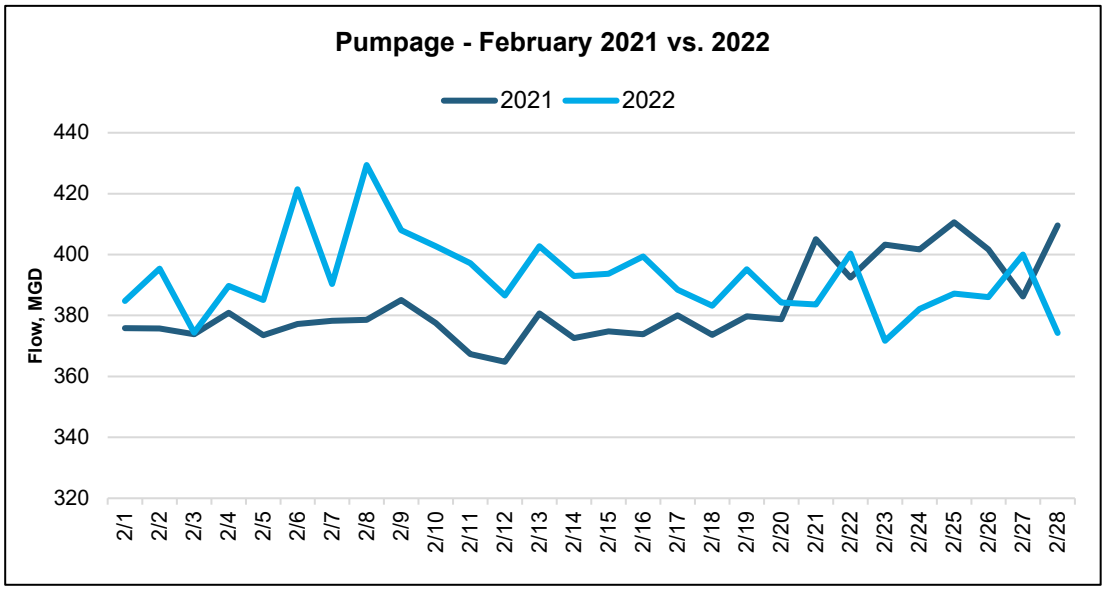
The ongoing upgrades at Springwells include a heating system. Springwells recently had a new surge and deaerator (DA) tank installed on our steam generators. This new equipment allows for automatic switching of feed water pumps as well as turning on and off pumps as demand requires. This automation allows the water technician to focus on other areas of operations (tests, analysis). Keeping the surge and DA tank at optimum levels is required for proper operation and with the new programming on the equipment it is done automatically. In the past, the water technician would spend many hours trying to achieve and maintain these levels. The addition of the new equipment will help optimize operations, cutting down on chemicals, equipment dropping out, as well as time the water technician must focus on starting and maintaining the steam generators.

Control screen

DA tank

Systems Control Center (SCC)

February 2022 pumpage was 2% higher than 2021



WATER OPERATIONS (continued)

GLWA Conveyance System Engineering Services
Contract No. 1802575
Rehabilitation of Woodward Sewer System
Rehabilitation of Connors Creek Sewer System

Background

The GLWA Sewer Conveyance System has approximately 130 miles of trunk sewers and 51 miles of interceptors. Rehabilitation design of two major sewer systems is being done under the Conveyance System Engineering Services contract. Construction has begun on the Woodward Sewer System (WWSS), one of oldest in the GLWA collection system. Rehabilitation design of for the Connors Creek Sewer System (CCSS) has been completed and the bidding period is underway. The CCSS project will be funded utilizing a low-interest loan under the Clean Water State Revolving Fund. Some cleaning costs are also expected to be reimbursed through a Federal Emergency Management Agency (FEMA) grant for the heavy rains that affected the Connors Creek System in June and July of 2021. CCSS construction is expected to cost approximately $56 million.

Woodward Sewer System

Lanzo Construction, winner of the $18 million rehabilitation construction contract, will utilize several technologies over the next 12 - 16 months of work which include:

- Heavy cleaning – removal of settled debris ranging from sand to thick mud to rocks and bricks. Cleaning also includes removal of tree roots and mineral deposits on pipe walls
- Spot repairs including patching holes and injecting chemical grout into cracks to stop leaks
- Manhole improvements to replace the top sections and install larger covers to provide better access for future maintenance activities
- Sliplining both round and egg-shaped sewers that have significant and extensive damage and leaking through brick joints and abandoned service connections

The large majority of the WWSS is located approximately in the center of Woodward Avenue, beginning at McNichols Road and terminating at Jefferson Avenue in downtown Detroit. Traffic control will be employed in relatively short segments as heavy cleaning, spot repairs and manhole replacement progress for approximately 12 months. See Figure 1 for a representation of the types of vehicles that are being utilized for this work.

Figure 1 - Heavy Cleaning Equipment on Woodward Avenue

WATER OPERATIONS (continued)

Spot repairs will also be made to a 5,400 ft. long reach of pipeline referred to as the Woodward Extension – just to the west of Woodward Avenue. Sliplining will be done to repair approximately 4,700 ft. of round pipe and 2,600 ft. of non-circular pipe using fiberglass-based liners, slipped inside the host pipe and grouted in place. See Figure 2 for an example of sliplining into an egg-shaped brick sewer.

Figure 2 - Sliplining Non-Circular Pipe

Connors Creek Sewer System

The Connors Creek Sewer System (CCSS) is a major sewer on the eastern side of Detroit. It extends from 8 Mile Road west of Van Dyke Avenue to a gate structure close to the intersection of Conner Street and Jefferson Avenue. The alignment is approximately 7 miles long and was constructed between 1924 and 1926. The reach of sewer inspected is partially of brick construction with the remaining sewer being cast-in-place concrete and varies in size from a 24" to 13'-6" diameter before it transitions to an arch shaped pipe approximately 17' high by 22' wide as it passes below Olivet Cemetery and Coleman Young Airport. Farther downstream the pipe transitions to a dual rectangular 12' x 17'-6"and three cell 15'-9" x 17'-6" boxes.

Figure 3 - Example of cured-in-place pipe installation

South of Jefferson Avenue are the Connors and Freud Connectors. Each are three-barrel conduits that combined with the gravity flow from CCSS, carry flow from the pump stations to the CSO facility. Considering the multiple barrels in this system, the total length of sewer is over 72,000 feet.

Bids will be opened on April 5, 2022, and the Notice to Proceed is scheduled to be delivered to the selected contractor on August 30, 2022. An early activity will be installation of cured-in-place pipe into 987 feet of 42" concrete pipe on Conner Street – see Figure 3 (above) for an example. The Michigan Department of Transportation (MDOT) is planning to perform a paving overlay on 8 Mile Road in 2023, which is the north end of the CCSS project. The GLWA contractor is required to have this segment completed to avoid any interference with the roadway project.

WATER OPERATIONS (continued)

Sliplining will be utilized in nearly 2,400 ft. of 102" brick sewer on Conner Street from Sirron Street to the north. Three insertion pits will be utilized to install the fiberglass based slipline pipe – see Figure 4 (below). Another 785 ft. of 162" diameter pipe will be sliplined on Outer Drive, north of 7 Mile Road.

Figure 4 - Pipe opened up for sliplining at insertion pit

The arch-shaped pipe through Mt. Olivet Cemetery and Coleman Young International Airport will require spot repairs and will be accessed through existing manholes. Spot repairs include chemical grouting, epoxy coating of exposed reinforcement, fixing holes in the pipe, removing obstructions and shotcreting exposed reinforcement. The double and triple box segments downstream, generally under Conner Street, will receive heavy cleaning and spot repairs, again largely utilizing existing manholes.

The bid documents do not dictate the construction schedule other than the cured-in-place pipe (CIPP) installation mentioned above.

At some point in the 24-month construction period, the Contractor will construct each of the three proposed permanent access structures shown in Figure 5.

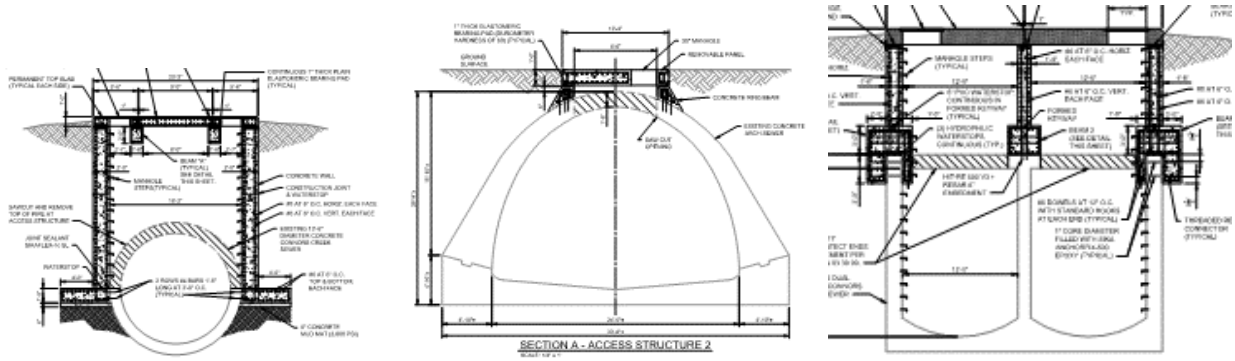


Figure 5 - New Permanent Access Structures 1, 2, and 3 for enhanced maintenance access

Structure 1 is at the 162" diameter pipe just off Outer Drive at Bliss Street. Structure 2 will be on the arch pipe and will be accessed from inside Mt. Olivet Cemetery, near the north end of Coleman Young Airport. Access Structure 3 will allow access to the double barrel section on the north side of I-94 off Conner Street, within a City of Detroit park.

By the middle of 2025, both the Woodward and Connors Creek projects will be completed, providing GLWA and the public with assurance that these critical facilities will continue to operate for another 50 years.

Energy, Research & Innovation

Energy

Springwells Power Metering

The Springswells Water Treatment Plant had the last of three power meters installed on the mains at the plant. Transformer T2 was shut down by DTE for the installation and put back in service within two days. Two of the three mains are fully functional, the meter on T3 is not currently receiving voltage from the transformer. There will be a shutdown of T3 to resolve that issue.

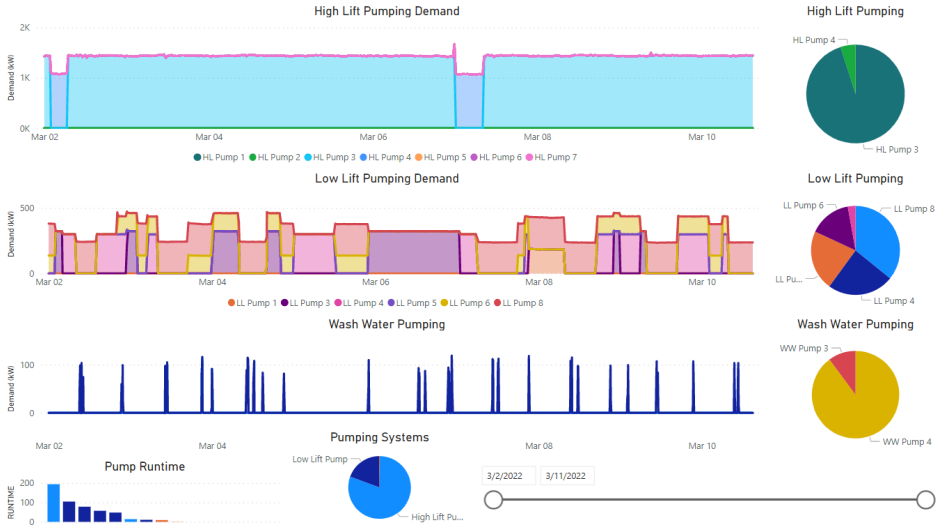
Springwells Metering Data from Power Monitoring Expert (PME) Software

Springwellls ION9000 Power Quality Meters

WATER OPERATIONS (continued)

Water Treatment Plant Meters

With the implementation of power meters at Northeast, Southwest, and Water Works Park Water Treatment Plants energy reporting is being developed to provide analytical insight into pumping operations. Southwest meters have been through full acceptance testing and PowerBI reports have been prototyped using the new meter data. The example below shows high lift, low lift, and wash water pumping loads at the plant. Similar reports will be developed for Northeast and Water Works Park. This data will lead to energy conservation and pump maintenance by better understanding pump efficiency and runtimes.



Southwest WTP Pumping Energy

Research

Instrumentation Testing

We initiated a project to test Flow Cytometry (FCM) and its potential for drinking water applications. In a Flow Cytometer, bacteria are stained and then flow through a narrow path where every single cell is detected and counted. FCM is widely used by some European utilities for process control. One application is the monitoring of disinfection efficacy. We will be working together with Wayne State University to test FCM and compare it to other methods of bacterial enumeration and indicator species detection. The trial is planned to start in May at Water Works Park.

Cube 6V2 from Sysmex – Flow Cytometer counting bacteria in drinking water

WATER OPERATIONS (continued)

Source Tracking – detecting human sources of fecal contamination

Last year, we initiated a method development project that aims at providing faster and easier detection of sources of human contamination. The method is referred to as droplet digital loop-mediated isothermal amplification (ddLAMP). It provides a quantitative measure of a target DNA in a sample. The team at Wayne State University has successfully optimized the reaction conditions and demonstrated detection of a bacterial target sequence found in human fecal matter. Currently, the team is optimizing the reaction conditions on a ddPCR machine that generates ~20,000 droplets each a representing a single reaction. At the same time a droplet generating chip utilizing 3D-printing technology is being developed. This chip will allow the formation of even more droplets for robust and fast quantitation of fecal contamination in the water sample. The ultimate goal is to perform the testing in the field using a cell phone for imaging and cloud computing for data analysis. The data will then be processed to provide a spatial-temporal map of the data. If successful this would not only provide a water quality assessment of recreationally used water bodies but also inform sanitary sewer extensions, sanitary sewer maintenance and investigations of illicit connections.

Occurrence of Legionella spp. In drinking water distribution systems

The Research and Innovation Team was invited to serve as a Project Advisory Committee (PAC) on the Water Research Foundation supported project to examine the detection and occurrence of *Legionella spp.* in drinking water distribution systems. This project is aimed at providing practical and actionable guidance to support drinking water utilities in response to positive *Legionella spp.* samples. As a PAC member, we are tasked with providing technical oversight and peer review throughout the duration of the project and ensure that the project remains on course, fulfills the project objectives, and that the results are beneficial to the water community. Recently, we reviewed submissions from interested research teams and we will be discussing our evaluations of all the teams with other PAC members and the research manager.

Update on Water Works and Lake Huron Pilot Plant Facilities

We re-organized the laboratory area/control room of the Water Works Park Pilot Plant as part of efforts to re-operate the pilot plant facility. This was an important step as it allowed us to create an updated list of equipment needed to support research efforts in the pilot plant and make room for future instruments in the laboratory. We are planning to install a drying rack, and wall cabinet to enhance the effectiveness of the lab space.

Additionally, we met with the Lake Huron Pilot Plant design team to discuss updates on the project cost, platform fabrication drawings, and schedule. We are expecting the 100% design submittals.

WATER OPERATIONS (continued)

Engineering

Contract No. 1803312
West Service Center Reservoirs, Reservoir Pump House & Division Valve Replacement
Project Manager: Andrew Juergens

Recent work that has been completed on this project include the installation of the subgrade concrete walls of the new reservoir pump house. Concrete top slabs were poured in Valve Well No. 11, which will house an isolation gate valve for the new reservoir pump house. The reservoir pump house structural steel was erected. The 42-inch reservoir outlet piping for both new reservoirs was installed and subsequently pressure tested.

The 42-inch piping which connects reservoir pump house to the main station suction header was installed and pressure tested but will not be tied-in until commissioning of the new reservoir pump house, planned for late 2022. Laying the masonry block walls of the new reservoir pump house commenced, with the required cold weather protection. The new reservoirs will be constructed in the summer of 2022.

Aerial Project Overview

New reservoir pump house wall formwork and reinforcing

Installation of 42" reservoir outlet piping

New reservoir pump house masonry wall in progress

Installation of 42" reservoir pump house discharge piping

Springwells 1958 Settled Water Conduit and Loading Dock Concrete Replacement
Project Manager: Peter Fromm
GLWA Inspector: Pete Bommarito

The Springwells 1958 Settled Water Conduit and Loading Dock Concrete Replacement project is nearly complete. The contractor started with the loading dock replacement phases 1 through 3 and is nearly 100% complete. Remaining items to be completed includes painting of the stair nosings and installation of removable handrail.

The contractor completed placing concrete atop the 1958 Settled Water Conduit around the exterior of the 1958 Filter Building including new curbs and additional structural improvements. Remaining work includes installation of new handrail and joint sealant along the west and north precast panels on the side of the 1958 Settled Water Conduit. Temporary handrail has been installed for safety for the time being until the new handrail can be installed.

This project was designed in-house by John McCallum, structural engineer in Water Engineering. GLWA is handling the construction administration (Peter Fromm) and resident project representative (RFR) (Peter Bommarito) during the construction phase of the project. John has been providing submittal (average 7 days) and RFI (average 2 days) responses in a timely matter. GLWA Water Engineering Inspector, Pete Bommarito, has been providing daily construction site inspection and oversight (RPR) to ensure that the contractor and their subcontractors are following the contract documents and their quality control plans. Josh Windle (AECOM CS-272) has been handling the documentation tracking for all submittals, RFIs, daily reports, pay applications, monthly reports, etc.

WATER OPERATIONS (continued)

There has been coordination and communication with the Springwells Plant staff on areas that are, or will need to be, closed off for this project, all work associated to the areas near the loading dock are now fully accessible to plant personnel.

New loading dock

New loading dock stairs and handrails

1958 Settled Water Conduit Topping Slab (East Side)

Before

After

1958 Settled Water Conduit Topping Slab (North Side)

Before

After

WATER OPERATIONS (continued)

1958 Settled Water Conduit Topping Slab (West Side)

Before

After

INFORMATION TECHNOLOGY

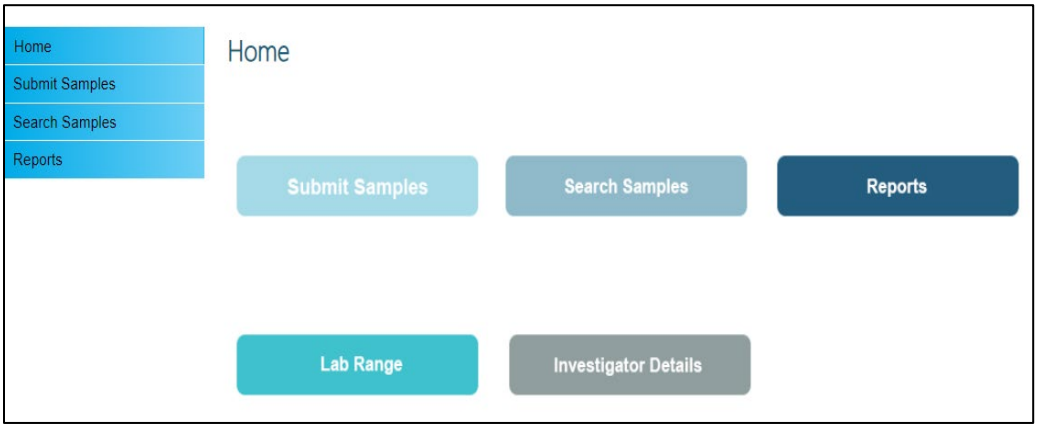
In the past month, the IT Security team has proactively blocked or thwarted 25,539 spam messages, 7,983 spoofed messages and two viruses. Additionally, 1,122 phishing attempts have been caught and 301 malware attempts have been blocked.

The IT Customer Service Delivery Team in conjunction with the IT Enterprise Asset Management Systems Team, IT Business Productivity Systems Team, IT Infrastructure Team, IT Project Management Team, and the Organizational Development group completed the automated disabling of team members' GLWA network access while they go on work leave, an automated enabling of their network access when they return. This project required a lot of coordination from multiple GLWA teams, resulting in increased cyber security resiliency by minimizing access to the GLWA business, process, and security networks when team members are not actively working.

The IT Enterprise Asset Management Systems Team, along with Procurement, the CIP Group and AECOM, completed Round 3 RFP evaluation, interviews and demos, of the new Project Management Information System (PMIS) in February.

INFORMATION TECHNOLOGY (continued)

Upon Round 4 RFP evaluation completion, proposer client references and total cost of ownership analysis, a recommendation for negotiation of the selected proposer will be published on Bonfire.



New Water Quality Distribution and Bracketing App Home

The IT Enterprise Asset Management Systems Team in conjunction with the IT Business Productivity Systems Team and Water Operations Area, completed internally developed SharePoint / Power BI solution to replace the Water Quality Team's "Distribution and Bracketing" application that was previously deployed on a legacy Java platform. This last of three solutions deployed enables the Water Quality Team to log and report on water quality samples for GLWA and our member partners to adhere to drinking water regulations.

With the conclusion of the project above, IT has over the last 18 months completed the decommissioning of five approximately 20-year-old suites of legacy applications, databases, and servers. This allows GLWA to move forward with modern platforms and continue to support and enhance critical business technology needs.

The IT Enterprise Asset Management Systems Team in conjunction with the Wastewater Operations Laboratory Team, upgraded the HORIZON Laboratory Information Management Systems (LIMS) software to the latest version, 13.2. This version delivers sample reporting and notification enhancements and allows IT to continue supporting the wastewater laboratories technology needs and requests.

Currently, the IT Project Management Office (PMO) is managing 21 active projects and is processing 20 project requests.

PUBLIC AFFAIRS

New PowerPoint Templates

As GLWA continues to mature and move forward from our start-up phase, we are constantly looking for ways that we can ensure that our brand is represented in the best way possible. To that end, Public Affairs created dynamic new PowerPoint templates (PPT) for use when sharing information both internally and externally.

New features include a more dynamic-looking design, a range of slide layout options, a photo library of GLWA-related images, and even some cool icons. There are also two sizes to choose from, the traditional 4.3 and the widescreen 16.9. A user guide was also created and made available to team members so they could easily understand how the templates work.

Virtual Backgrounds

Public Affairs has created a series of virtual backgrounds for team members to use in Microsoft Teams. The backgrounds feature GLWA facilities and source waters, as well as GLWA-branded office-style settings. With virtual meetings sure to be a fixture well into the future, the backgrounds will help GLWA team members present a consistent and professional look during meetings.

PUBLIC AFFAIRS (continued)

See Something, Say Something

Public Affairs worked with Security & Integrity and IT to create a new "See Something, Say Something" protocol flyer (shown left). With potential threats to U.S. critical infrastructure heightened recently, GLWA wants to make sure all team members can play a part in keeping our system and operations safe. The flyer lays out what team members can do to help both physical and cyber security. It also tells them how to report suspicious behavior or cyber activity. The flyers are being distributed to each facility.

Seeking Hybrid Work Success Communications Ideas

Public Affairs Management Professional Stephanie Dillon and Public Affairs Specialist Jason Matthews attended a Ragan Communications webinar titled, Communication Strategies for Hybrid Work Success.

Topics included benefits and the impact of a successful hybrid experience, unifying culture in a hybrid environment and a hybrid employee experience.

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 368 hours of training during the month.

The Security and Integrity Group continues to participate in the daily Emergency Operations Center's ongoing COVID-19 Pandemic briefings.

The Group participated with the Detroit Police Department in a Downtown Detroit Partnership meeting to discuss security activities around the City of Detroit, and any possible affects to GLWA's operations.

Lastly, the Group began planning two table-top emergency preparedness exercises for GLWA facilities.

ORGANIZATIONAL DEVELOPMENT

Performance, Progression and Apprenticeships

Progression

The 2021 Progression Cycle yielded 36 progressing team members: 35 team members progressed one level and one team member progressed two levels.

Apprenticeships

Electrical Apprentices and Maintenance Technician Apprentices continue to demonstrate an increased understanding of our organization's processes at both the Water facilities and Wastewater facility. All apprentices perform well and can perform more complex tasks with less oversight from the respective journey worker and skilled team member.

The Maintenance Technician Apprentices rotated to a new work location on February 14, 2022. The Electrical Apprentices rotated to a new work location on March 7, 2022.

The first round of water technician apprentice interviews has been completed. A total of 22 candidates were interviewed to fill positions as Water Technician apprentices. Six apprentices completed the first day of onboarding on Monday, March 7, 2022. In this first cohort, the new water technician apprentices were assigned to Northeast, Southwest, Springwells, and Water Works Park. The second round of interviews was conducted in March to fill positions for the Lake Huron plant.

Talent Management

Staffing

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

Number of New Hires	8
Number of Separations	18
[redacted]	[redacted]
Total Staffing - Regular FTEs (YTD)	971

ORGANIZATIONAL DEVELOPMENT (continued)

Benefits/Wellness

GLWA Savings Center

With over 78% of the organization registered, GLWA team members have saved $15,125 year-to-date. Top purchases include electronics, dining and grocery, home and garden, travel, and wireless products.

Retirement Plan Education Series

MissionSquare Retirement Plan Specialists facilitated virtual education sessions and one-on-one consultations with team members. This month, 112 team members participated in the series.

Wellness Engagement

This month, wellness webinars include the third virtual cooking workshop with local Michigan chef Michelle Bommarito, and weekly 10-minute meditation and mindfulness practices inside botanical gardens and along waterways.

Alicia Jackson LPC facilitated Transformation Thursdays, a self-care education series. This month's topics include committing to a wellness program, mental health awareness, the importance of preventive care, and overcoming failures.

Training

During the month of **February, 105** GLWA team members completed **two** non-safety courses and **23** safety courses. **Nine** GLWA team members completed **12** online 360Water courses.

FINANCIAL SERVICES AREA

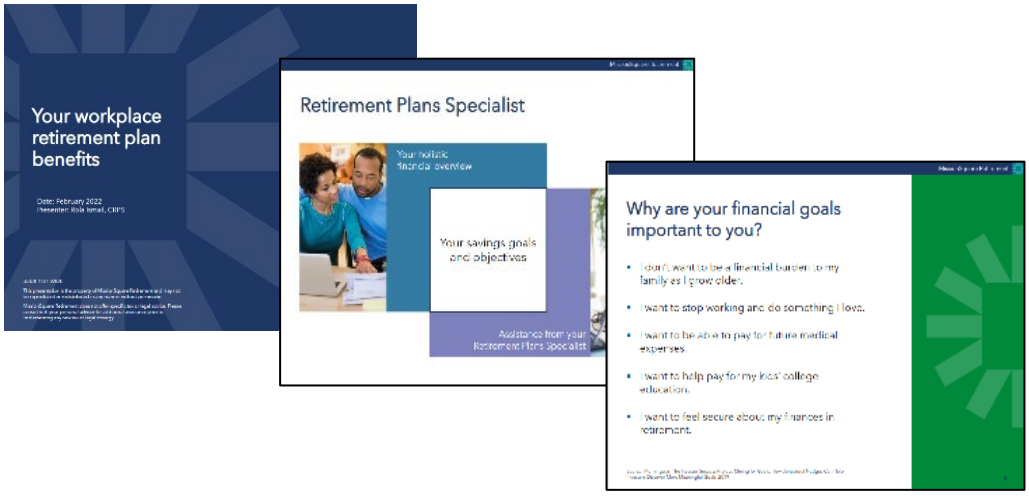
February 2022 Audit Committee Recap

The most recent Audit Committee meeting was held on Friday, February 25, 2022. The GLWA Audit Committee binders are publicly available at www.glwater.org. The meeting included the following topics:

- ✓ Presentation by the GLWA municipal advisor on the state of the municipal bond market, GLWA bond refunding opportunities, and a review of the utility bond market from the perspective of bond rating agencies.
- ✓ Introduction of a series ordinance authorizing the issuance of a DWSD Drinking Water State Revolving Fund loan.
- ✓ A request to set the required public hearing for six proposed wastewater system projects for which GLWA and DWSD intend to apply for State of Michigan Clean Water State Revolving Funds in the State's 2023 fiscal year funding cycle.
- ✓ A monthly update on the Business Inclusion and Diversity (B.I.D.) program.
- ✓ Presentation of the quarterly investment report portfolio through December 31, 2021.
- ✓ Highlights of WRAP quarterly reporting, discussion regarding proposed reallocation of FY 2020 and 2021 WRAP funds and an update on WRAP administrator contracts.
- ✓ Review of the October 31, 2021 and November 30, 2021, Monthly Financial Reports (Executive Summaries attached).
- ✓ Circulation of the latest Procurement Pipeline.

All FSA Meeting

The Financial Services Area continues to support communication and connections between team members through regular group meetings. On February 17, 2022, FSA welcomed Mission Square Retirement consultants Rola Ismail and Daniel Stewart from who provided an update on GLWA retirement plan benefits. The discussion was well-received by the FSA team and led to a lengthy and engaging question and answer session.



FINANCIAL SERVICES AREA (continued)

AWWA Virtual Roundtable

On March 2, 2022, GLWA Chief Procurement Officer Sonya Collins participated as a guest speaker at an American Water Works Association (AWWA) virtual roundtable addressing the legal and operational impacts of supply chain disruptions. This virtual roundtable dialogue between leaders from the water utility community focused on helping those in the water sector successfully manage some of the key pain points supply chain issues are creating, including procurement related issues; managing contracts with suppliers; maintaining enforcement and compliance standards; force majeure related issues; and using federal/state resources to address critical supply chain shortages. Roundtable presenters shared their experiences and the tools they are using to address supply chain shortages, as well as discuss proactive steps that can be taken by the sector to reduce the impact of current (and future) disruptions.

Sonya Collins
Chief Procurement Officer
Great Lakes Water Authority

Procurement Pipeline

The February Procurement Pipeline edition is attached. This month features tips on virtual vendor introduction meetings, reminders on visitor COVID-19 access requirements and safety protocols, and a listing of upcoming solicitations.

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

Respectfully submitted,

Suzanne R. Coffey

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

SFM/dlr
Attachment

- October, 2021 Executive Summary
- November, 2021 Executive Summary
- February 2022 Procurement Pipeline
- General Counsel March, 2022 Report

GLWA Great Lakes Water Authority

Financial Report
Executive Summary Dashboard
for the Month Ended October 31, 2021

Key Financial Metrics

The table below provides key report highlights and flags the financial risk of a budget shortfall by year-end as follows:

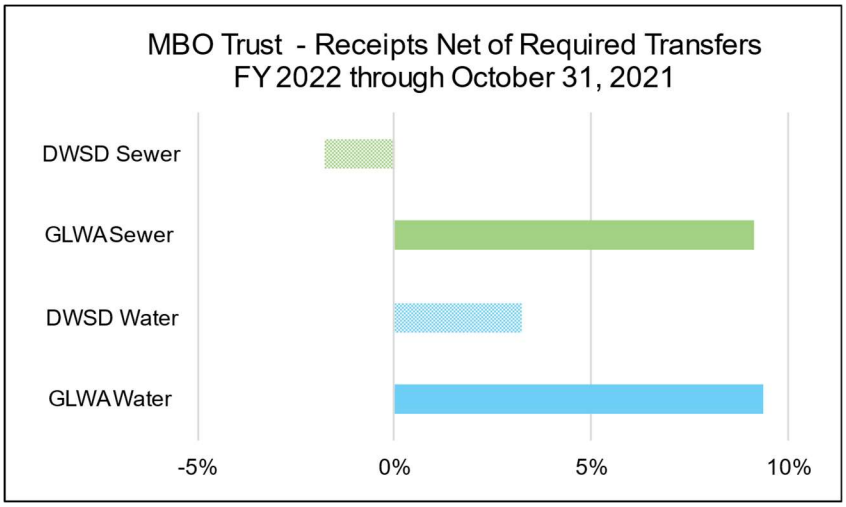
No Risk (green) - Potential (yellow) - Likely (red)

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 quarter budget amendment was approved for $2.4 million.

As of October 31, 2021					
Metric	FY 2022 Budget	FY 2022 Amended Budget	FY 2022 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue ($M)	$120.3	$117.9	$115.4	-2%	47
Wholesale Water Billed Usage (mcf)	5,537,000	5,317,000	5,065,000	-5%	
Wholesale Sewer Billed Revenue ($M)	$90.5	$90.5	$90.5	0%	49
Wholesale Water Operations & Maintenance ($M)	$48.0	$48.0	$44.2	-8%	5
Wholesale Sewer Operations & Maintenance ($M)	$60.4	$60.4	$56.2	-7%	
Investment Income ($M)	$1.0	$1.0	$1.4	40%	37
Water Prorated Capital Spend w/SRA* ($M)	$45.0	$45.0	$54.3	21%	28
Sewer Prorated Capital Spend w/SRA* ($M)	$27.0	$27.0	$21.5	-20%	29

*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 52)



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 $1.1 million and DWSD Sewer reports a $1.7 million shortfall of net receipts over disbursements through October 2021. On August 26, 2021, the DWSD Board of Water Commissioners proactively adopted budget amendments to address potential shortfalls for FY 2022. These budget amendments are reflected in this October 2021 report.

The current DWSD loan receivable balance for fiscal year 2018 is $5.6 million.

Budget to Actual Analysis (page 3)

- FY 2022 information includes the first quarter budget amendments which were approved by the GLWA Board on December 8, 2021.
- The total Revenue Requirements are on target through October 2021.
- The total Operations & Maintenance expenses are at 30.9% of budget through October 2021.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for October 2021 is $35.7 million for the Water fund (29.1% of total revenues) and $48.4 million for the Sewer fund (30.6 % of total revenues).
- Water Net Position increased by $6.9 million, and Sewage Disposal Net Position increased by $9.1 million for the year to date through October 2021.

Capital Improvement Plan Financial Summary (page 27)

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

Master Bond Ordinance Transfers (page 30)

- For October, transfers of $13.6 million and $17.6 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for October, transfers of $3.2 million and $7.4 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 36)

- Total cash & investments are $426 million in the Water fund and $414 million in the Sewer fund.
- The total combined cumulative investment income for FY 2022 through October is $1.4 million.

DWSD Retail Revenues, Receivables & Collections (page 41)

- Water usage through October 31, 2021 is at 109.38% and revenues at 100.87% of budget.
- Sewer usage through October 31, 2021 is at 103.82% and revenues at 100.00% of budget.
- Combined accounts receivable balances for the water and sewer funds report an increase of $45.0 million over the prior year.
- Past dues over 180 days make up 66.0% of the total accounts receivable balance. The current bad debt allowance covers 96% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 46)

- GLWA accounts receivable past due balance net of Highland Park is 8.4% 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 $50.8 million. It includes $38.8 million for wastewater treatment services, $1.8 million for industrial waste control services, and $10.2 million for water supply services. Highland Park has not made a payment for FY 2022 through October 2021. The GLWA Legal team is pursuing options for additional collections.

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

GLWA Great Lakes Water Authority

Financial Report
Executive Summary Dashboard
for the Month Ended November 30, 2021

Key Financial Metrics

The table below provides key report highlights and flags the financial risk of a budget shortfall by year-end as follows:

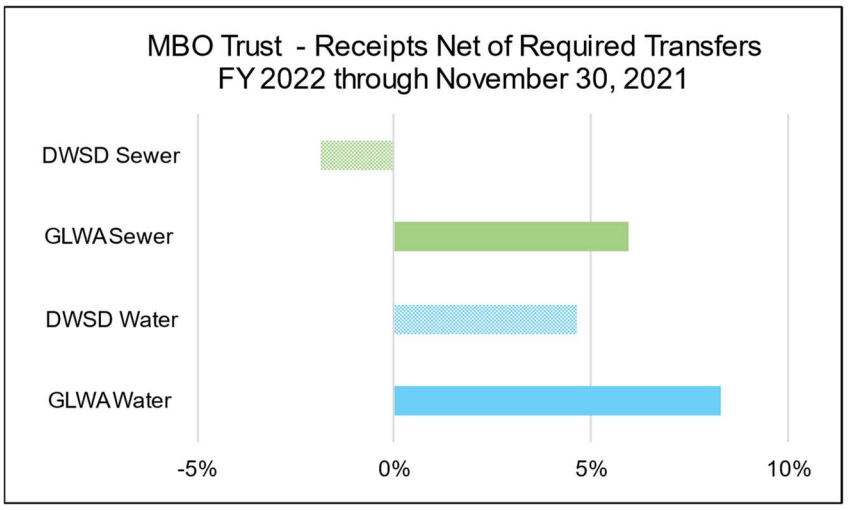
No Risk (green) - Potential (yellow) - Likely (red)

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 quarter budget amendment was approved for $2.4 million.

As of November 30, 2021					
Metric	FY 2022 Budget	FY 2022 Amended Budget	FY 2022 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue ($M)	$145.3	$142.9	$141.1	-1%	47
Wholesale Water Billed Usage (mcf)	6,434,000	6,214,000	6,036,000	-3%	
Wholesale Sewer Billed Revenue ($M)	$113.1	$113.1	$113.1	0%	49
Wholesale Water Operations & Maintenance ($M)	$60.0	$60.0	$55.2	-8%	5
Wholesale Sewer Operations & Maintenance ($M)	$75.5	$75.5	$71.9	-5%	
Investment Income ($M)	$1.3	$1.3	$1.6	28%	37
Water Prorated Capital Spend w/SRA* ($M)	$56.3	$56.3	$66.0	17%	28
Sewer Prorated Capital Spend w/SRA* ($M)	$33.8	$33.8	$26.7	-21%	29

*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 52)



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 $1.9 million and DWSD Sewer reports a $2.2 million shortfall of net receipts over disbursements through November 2021. On August 26, 2021, the DWSD Board of Water Commissioners proactively adopted budget amendments to address potential shortfalls for FY 2022. These budget amendments are reflected in this November 2021 report. DWSD continues to monitor these balances and anticipates improved monthly receipts supplemented by tax lien collections will resolve the current Sewer shortfall before yearend.

The current DWSD loan receivable balance for fiscal year 2018 is $4.9 million.

Budget to Actual Analysis (page 3)

- FY 2022 information includes the first quarter budget amendments which were approved by the GLWA Board on December 8, 2021.
- The total Revenue Requirements are on target through November 2021.
- The total Operations & Maintenance expenses are at 39.1% of budget through November 2021.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for November 2021 is $40.6 million for the Water fund (27.1% of total revenues) and $59.0 million for the Sewer fund (29.8 % of total revenues).
- Water Net Position increased by $3.5 million, and Sewage Disposal Net Position increased by $8.4 million for the year to date through November 2021.

Capital Improvement Plan Financial Summary (page 27)

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

Master Bond Ordinance Transfers (page 30)

- For November, transfers of $13.6 million and $17.6 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for November, transfers of $3.2 million and $7.4 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 36)

- Total cash & investments are $443 million in the Water fund and $450 million in the Sewer fund.
- The total combined cumulative investment income for FY 2022 through October is $1.6 million.

DWSD Retail Revenues, Receivables & Collections (page 41)

- Water usage through November 30, 2021 is at 109.06% and revenues at 100.51% of budget.
- Sewer usage through November 30, 2021 is at 103.92% and revenues at 99.96% of budget.
- Combined accounts receivable balances for the water and sewer funds report an increase of $53.6 million over the prior year.
- Past dues over 180 days make up 64.3% of the total accounts receivable balance. The current bad debt allowance covers 92.6% of past dues over 60 days.

GLWA Wholesale Billing, Receivables & Collections (page 46)

- GLWA accounts receivable past due balance net of Highland Park is 5.80% 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 $51.3 million. It includes $39.3 million for wastewater treatment services, $1.8 million for industrial waste control services, and $10.3 million for water supply services. Highland Park has not made a payment for FY 2022 through November 2021. The GLWA Legal team is pursuing options for additional collections.

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

Procurement Pipeline

Great Lakes Water Authority (313) 964-9157 www.glwater.org **February 2022 - Volume 35**

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

Important Reminder of GLWA's Mandatory Visitor COVID-19 Safety Protocols

In recognition of the still-evolving coronavirus (COVID-19) pandemic situation and the challenges presented by the Omicron variant, GLWA is issuing an important reminder of its current mandatory Visitor COVID-19 Safety Protocols for all Visitor personnel performing onsite services at a GLWA facility or project worksite. Safety protocols such as wearing a mask, social distancing, and regular handwashing remain critical public health tools for preventing the spread of COVID-19 and helping keep the workplace a safe environment for all.

To protect yourself and others from COVID-19, it is critical that all visitor personnel performing on-site services at a GLWA facility or project worksite observe the following mandatory Safety Protocols outlined below. ***All visitors must***:

- Maintain appropriate social distancing of at least six feet or more whenever possible;
- Wear an appropriate face covering at all times (ensuring that it completely covers your nose and mouth) when inside GLWA facilities or outdoors at a GLWA worksite when social distancing is not possible;
- Carefully monitor your daily health, watching for fever, cough, shortness of breath, or other symptoms of COVID-19; and
- Complete Visitor COVID-19 Questionnaire accurately and honestly each day on-site services are provided at GLWA facilities or project worksites.

We appreciate the Vendor Community's cooperation with GLWA's Visitor COVID-19 Access Requirements and Safety Protocols as we strive to maintain the health and safety of the workplace. Additional questions regarding these matters may 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.

Where to Meet GLWA

GLWA attends vendor outreach events throughout Southeastern Michigan. We welcome you to visit us at the following upcoming events.

- *Virtual event.* Michigan Department of Transportation (MDOT) 41st Annual Disadvantaged Business Enterprise (DBE) Small Business Development Conference on March 22, 2022 from 8:30am-3:00pm. Registration details here.
- *In-person event*. Michigan Public Purchasing Officers Association (MPPOA) Reverse Trade Fair on April 29, 2022. This event will be held in Grand Rapids, Michigan from 10:30-3pm. Registration details here.

Keeping up with GLWA

Our Interim Chief Executive Officer (ICEO) Monthly Report provides a wealth of information and news about important initiatives within GLWA's service territory area that impact GLWA, its member partners, and the public. To read the January 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 February 2022

Category	CIP #	Description/Project Title	Budget Estimate
Water System (next four to nine months)			
Materials & Equipment	114002	Springwells WTP Pumping Unit Procurement Package (Contracts E thru G)	$51,000,000
Materials & Equipment	114002	Springwells WTP Process Valve Procurement Package (Contracts H thru I)	$14,000,000
Wastewater Systems (next four to nine months)			
Construction	211006	Pump Station #1 Screenings Building HVAC Improvements	$1,000,000
Construction	211006	WRRF Pump Station #1 Improvements	$55,000,000
Construction	260800	WRRF Roofing Improvements	$1,891,192
Design	273001	Hubbell Southfield Flushing and Facility Improvements (CSO)	$5,500,000
Construction	260903	WRRF Front Entrance Rehabilitation	$1,000,000
Construction	232002	Freud Pump Station Improvements	$75,000,000
Wastewater (next three months)			
Construction	260901	HAZMAT (Hazardous Material) Building Renovation	$1,300,000
Construction	260204	Rehabilitation of Connors Creek Sewer System	$56,000,000
Engineering Services	260208	Rehabilitation of GLWA Sewers; Ashland Relief, Linwood, Lonyo, Second Avenue, and Shiawassee	$6,000,000
Projects moved to Procurement Team (Preparing for solicitation on Bonfire)			
Design	260617, 270005, 270006	CSO Facility Control Improvements #2	$3,002,500
Request for Proposals	O&M	2023 Task Order Engineering Services	$10,000,000
Professional Services	O&M	SCADA System Professional Services	$5,500,000
Design Build	216011	WRRF Structural Improvements	$12,000,000
Professional Services	O&M	Elevator Preventative Maintenance	$1,645,728
Professional Services	O&M	External Auditor Services	$800,000

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
735 Randolph Street, Suite 1900
Detroit, Michigan 48226

Office of the General Counsel – March, 2022

- ***COVID-19:*** The Office supports GLWA's response to the COVID-19 pandemic, including participating in GLWA's COVID-19 Task Force, review of COVID-19 related laws, rules and public health orders.

- ***NPDES ACO Dismissal*:** The Office assisted in preparing documents to have the ACO's dismissed.

- ***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, 11 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:*** GLWA will attempt to secure long term contracts with all communities that are not on the model contract. 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 has started the 2022 contract alignment/reopener process for all 84 member partners plus Detroit. Negotiations started successfully on March 17, 2022 and continue through October.

- ***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. To date, 99% of the communities have passed a concurring resolution and GLWA made a presentation to the City of Highland Park's City Council, which is the only community that has not passed a concurring resolution. The Office is also providing assistance on PFAS and PFOS matters.

- ***Real Estate:*** The Office is negotiating easements related to support the Baby Creek CSO infrastructure improvement project. The Office is negotiating the acquisition of property for the Newburgh pump station. The Office is negotiating easements related to 96" watermain relocation and the Woodward Sewer Project.

- ***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.

- ***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*:**

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Contracts approved as to form:	39
Contracts drafted or revised:	120
Subpoenas/Information requests received:	5
Subpoenas/Information responded to:	6