



Office of the Chief Executive

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

July 24, 2024

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – July 24, 2024

Chairperson Baker and Directors,

I'm pleased to begin my report this month by sharing that after your approval at your meeting on June 26, 2024, the administration has begun the process to implement Highland Park bad debt recovery credits to reimburse first-tier member partners (those member partners who have a direct contractual agreement with GLWA) who had previously absorbed portions of this expense in their GLWA service charges.

The bad debt recovery credits, totaling \$20,026,500 (\$5,026,500 for the Water System and \$15,000,000 for the Sewer System), will be applied to June 2024 services (reducing payments due from member partners for payments in the months of August and September).

All credits will be applied based on the methodology approved by the board at its November 16, 2023, meeting. The [bad debt recovery credit methodology](#) is based on amounts that had been directly included in Water and Sewer charges to GLWA's first-tier member partners related to Highland Park's bad debt through June 30, 2022.

I also want to note that because the settlement agreement between GLWA, city of Highland Park and the state of Michigan has been approved and executed by all parties and new water and sewer contracts in place for Highland Park, the parties have applied for and are waiting on Court Orders to dismiss all litigation. Highland Park residents are now also eligible for GLWA's Water Residential Assistance Program (WRAP).

As you know, southeast Michigan was threatened with a storm event on July 9-10, 2024, that was predicted to be larger than the operating capacity of the regional wastewater collection system and which posed a risk of flooding throughout a number of communities we serve. While the worst of the storms shifted slightly north, the GLWA team did an exceptional job in advising the public of the predicted risks associated with this event, operating the system at or near capacity for an extended period during the event, and minimizing potential risk to public property and safety from this event.

In light of the continued increase of these large storm events, I am pleased to tell you that GLWA and the US Army Corps of Engineers have signed the agreement to complete the Southeast Michigan Flood Resiliency General Investigation Study. Current funding in the approved President's budget is \$1.1 million for fiscal years 24 and 25 and GLWA will be providing a 50/50 match with in-kind-services to complete the study. The work will begin with an extensive design charrette with key stakeholders to establish the broad goals and objectives of the work. We will share more information with you on the design charrette as they become available.

Staying in the theme of resiliency, at the beginning of July, GLWA successfully launched Workday FINS (Finance). Workday HCM (Human Resources) went live in December 2023, and with FINS now in production, Workday is a seamless Enterprise Resource Planning (ERP) system with views across personnel, learning, benefits, payroll, budgets, procurement, and accounts payable. Workday replaces several legacy systems that GLWA had outgrown and did not provide adequate insight into important organizational information. I want to express my sincere thanks to everyone from across the organization who worked tirelessly to ensure that Workday – both HCM and FINS – launched within minimal issues. Congrats to everyone across GLWA for their hard work and dedication.

Moving on to how we are building resiliency in our team, I was so pleased to have been able to take part in the first Summer Intern Kickoff and Networking event, which was held on June 25, 2024, at Water Works Park. There was a great turnout and the enthusiasm in the room was outstanding. During the event, Executive Leadership Team members shared their stories; the interns engaged with ELT and Leadership Team Members about their intern experience and education, and Public Affairs offered the interns the opportunity to have professional headshots taken. The interns also toured the plant. You can find out more info on the event on page 34.

I also continued my team member engagement activities with a visit to the Southwest Water Treatment Plant. As I do with each of my facility visits, we met our overnight team members with a breakfast of coffee, muffins and fruit, and provided a pizza/salad lunch for all team members. And I continued my group meetings with Team Leaders.

As I always do, I want to close my report with an acknowledgement of team members and their accomplishments. First, I am very pleased to announce that during the month of June, which is National Safety Month, that there were no reportable safety incidents at GLWA. This is a true testament to our team members and their ongoing dedication to making GLWA a safe workplace.

I am also pleased to share that we received notice from the Government Finance Officers Association (GFOA) that we were once again awarded the Certificate of Achievement for Excellence in Financial Reporting for our Fiscal Year 2023 ACFR. This is the fifth year in a row we have been the recipient this distinguished award. Way to go team FSA.

Finally, I want to recognize Kirsten Silwanowicz, who is an associate general counsel at GLWA, for being named Vice President of the Women's Lawyer's Association of Michigan. Congratulations, Kirsten!

PLANNING SERVICES

Enterprise Asset Management Group (EAMG)

The Enterprise Asset Management Group has been busy conducting audits of GLWA facilities to capture asset data and set GLWA's new Computerized Maintenance Management System, NEXGEN, up for success. As part of this effort, the EAMG would like to recognize two groups for their assistance in completing our asset audits: The Lake Huron Water Treatment Plant and the Booster Pump Station and Reservoir Mechanical Maintenance teams. Both teams dedicated their time and expertise to prepare their assets in NEXGEN and train their team members in using the application and mobile functionality.

The EAMG team has been out daily at various GLWA facilities auditing and tagging assets. A special thank you to all GLWA team members who have supported their efforts.

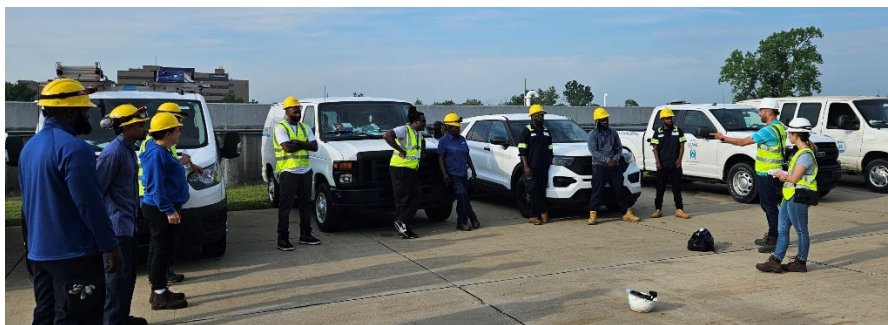


Figure 1: Booster Pump Station and Reservoir Mechanical Maintenance Team out at North Service Center to tag assets and learn about the new NEXGEN system



Figure 2: Lake Huron and EAMG staff enjoy a delicious homecooked meal of Chicken Biryani (care of Kaisra Osman) and discuss NEXGEN and their asset tagging efforts

PLANNING SERVICES (continued)

Capital Improvement Planning (CIP) Design:

In June, the Water and Wastewater Engineering Groups successfully completed the project scoring phase for the FY 2026-2030 Capital Improvement Plan (CIP) Development. During this period, the CIP group conducted two review committee scoring sessions specifically focused on water and wastewater projects to finalize the project scores.

The Water Engineering Group introduced seven new projects to the CIP for scoring, including four from existing programs. Additionally, the Wastewater Engineering Group introduced one new project from a program. A summary of these projects is provided below:

	CIP Number	FY 26-30 New Projects List
Water	122020	Carrie/Nevada Control Station
	122021	Grosse Pointe Woods (GW)- Harper Woods (HW) 24" Main
	122023	Adams Road Transmission Main
	170603*	84"/72" Transmission Main Condition Assessment
	170604*	96-inch Transmission Main Condition Assessment
	170906*	Repurposing Abandoned Water Meter Pits
	170907*	Water Master Meter FL-01 Vault Upgrade
Wastewater	260803*	WRRF Roof Improvements - Phase II

****Projects from Programs***

We extend our sincere appreciation to all members of the scoring committee, including the GLWA team and our esteemed member partner community representatives, Michael Way from Grosse Pointe Shores, and Anil Gosine from the Detroit Water and Sewerage Department (DWSD). Their valuable contributions, insights, and active engagement were instrumental in ensuring a thorough and fair assessment process. This enabled the CIP team to effectively prioritize and plan projects. We are grateful for the time and effort invested by both committees, as their dedication plays a crucial role in shaping the future of our water and wastewater infrastructure.

PLANNING SERVICES (continued)

FY 26-30 CIP Scoring Review Committees					
WATER SCORING REVIEW COMMITTEE			WASTEWATER REVIEW COMMITTEE		
◆ Cheryl Porter	◆ Terry Daniel	◆ Michael Way, Grosse Pointe Shores*	◆ Navid Mehram	◆ Majid Khan	◆ Anil Gosine, DWSD
◆ Timothy Kuhns	◆ Steve Dutschke	◆ Eric Kramp**	◆ Christopher Nastally	◆ Steve Dutschke	◆ Kashmira Patel**
◆ Michael Dunne	◆ Biren Saparia	◆ Erich Klun**	◆ Philip Kora	◆ Sal Salim	◆ Greg Marker**
◆ Chandan Sood	◆ Peter Fromm		◆ Kevin Jankowski	◆ Vincent Genco	
* Member Partners Representative			* Member Partners Representative		
** Alternate Members			** Alternate Members		

With assistance from AECOM, the CIP team continued the implementation of the CIP Program Management Plan (PMP) and focused on creating a slide deck to inform the GLWA vendor community of the modifications they may encounter that may impact their work. Additionally, over the past month, the team actively engaged in recruiting efforts to fill key CIP delivery team positions.

Member Services Group

On June 5, the **Wastewater Best Practices Work Group** (WWBP) met at the National Weather Service (NWS) Facility in White Lake. The meeting began with a presentation from Jaclyn Anderson of NWS on their facilities and operations. This was followed by a tour of the onsite facilities, where she explained how NWS uses Doppler radar and multiple models to make their predictions, and in turn, how that information is used by various municipal organizations, news outlets, and weather apps. Next, the group reconvened to debrief on the tour before moving on to a roundtable discussion about how sanitary sewer overflow volumes are calculated, chemical innovations and pilot opportunities, strategies for meter and equipment testing and replacement. Members also took turns discussing their experiences with recent storm events since the previous WWBP meeting in April. The next meeting of the WWBP is scheduled for August 21 and will include tours of Freud and Connor Creek pump stations.



Members learn about how radar data is analyzed and used to generate weather forecasts at the NWS facility in White Lake

PLANNING SERVICES (continued)

The **One Water Partnership** meeting on June 20, began with remarks from Navid Mehram, GLWA's Chief Operating Officer for Wastewater, about GLWA's overall resiliency strategy.



One Water Partnership attendees look on as Todd King provides insight into GLWA's Resiliency work.

This was followed by a presentation from Todd King, GLWA's Resiliency Officer, that provided a deeper dive into the details of that strategy. This portion of the meeting was rounded out by a presentation from Rachael Barlock from Southeast Michigan Council of Governments (SEMCOG) about multiple tools and initiatives SEMCOG is spearheading to increase regional resiliency in Southeast Michigan and beyond. Next, GLWA's CEO, Sue Coffey, shared special announcements, including that GLWA's, Cheryl Porter, has officially

begun her tenure as the President of the American Water Works Association, and bestowing Bart Foster of the Foster Group with the True Collaboration award, in recognition of his over 30 years of partnering with GLWA and its predecessor organization, DWSD. This was followed by a co-chair election, where Michael Way of Grosse Point Shores was elected by a show-of-hands to fill the vacated seat left by recently retired Jeff McKeen of the Southeastern Oakland County Water Authority. The final presentation came from Jeff Hawkins from the City of Dearborn where he and others discussed their grant project funded by MINextCities which has allowed them to partner with technology provider HyFi to track and monitor water levels in roadways and bridges around the city during wet weather events. The meeting concluded with closing remarks from Co-Chair Scott Dungee, from the City of Flint. The next One Water Partnership meeting is scheduled for September 19, 2024.



Sue Coffey presents Bart Foster with the GLWA True Collaboration Award

A meeting of the **Watershed Hub Work Group** was held virtually on June 26. The group was joined by Becky Carvin of the United States Geological Survey (USGS) to discuss the details of implementing Phase II of the Regional Water Quality Monitoring Program, including relocating two water quality monitoring sites. The group also agreed to meet in the field to learn about USGS's technology and view their equipment later this summer. Next, attendees gave round-robin updates on their investigational *E. coli* sampling work.

PLANNING SERVICES (continued)

The meeting concluded with a robust conversation with Phil Argiroff of the Michigan Department of Environment, Great Lakes and Energy about their forthcoming general collection system permit, what members can expect in terms of new requirements, and how this program fits in with current Municipal Separate Storm Sewer System program regulations and activities. The next meeting of the Watershed Hub Work Group is scheduled for Wednesday, August 14.

The **Water Analytical Work Group (AWG)** met at the Department of Natural Resources Outdoor Adventure Center in Detroit on June 25, 2024. Doug Inman of GLWA's Water Analytics, Planning & Metering Team presented a comparison of wholesale and retail water data, noting discrepancies in non-revenue water usage and discussing ongoing investigations. Next, Chandan Sood,



Member Partners collaborating at the AWG Work Group meeting.

Director of Water Analytics, Planning & Metering, updated the group on Highland Park's water metering, discussing the 2025 deadline for permanent meters, and a third-party hydraulic model review. Also, Chandan discussed plans for GLWA to provide water service to a new member partner, City of Mount Clemens, detailing construction plans and the positive impact on revenue distribution and service reliability for the City. Chandan continued by presenting a Water Master Plan update discussion, focusing on system optimization, operational improvements, and asset management, which allowed members to share their thoughts on areas of priority to address within the water master plan update. Tim Kuhns, GLWA Director of Water Engineering, also proposed changes to the methodology for establishing contract values for maximum day and peak hour demands, inviting members to join a work group to finalize the new methodology by January 2025. The next AWG meeting is going to be virtual on September 17.

The **Water Management Best Practices (WMBP) Work Group** met at the GLWA Southwest Treatment Plant on June 26 to discuss submersible remotely operated vehicles (ROV), boil water advisory communications, and the fall 2024 Emergency Response Workshop planning. Andrea Miller of GLWA's Lake Huron Team presented on the use of submersible ROVs for underwater inspections, detailing their cost-effectiveness and operational capabilities. A roundtable discussion followed, addressing challenges and strategies for effective boil water advisory communications during emergencies, emphasizing the need to clarify processes and community engagement.

PLANNING SERVICES (continued)

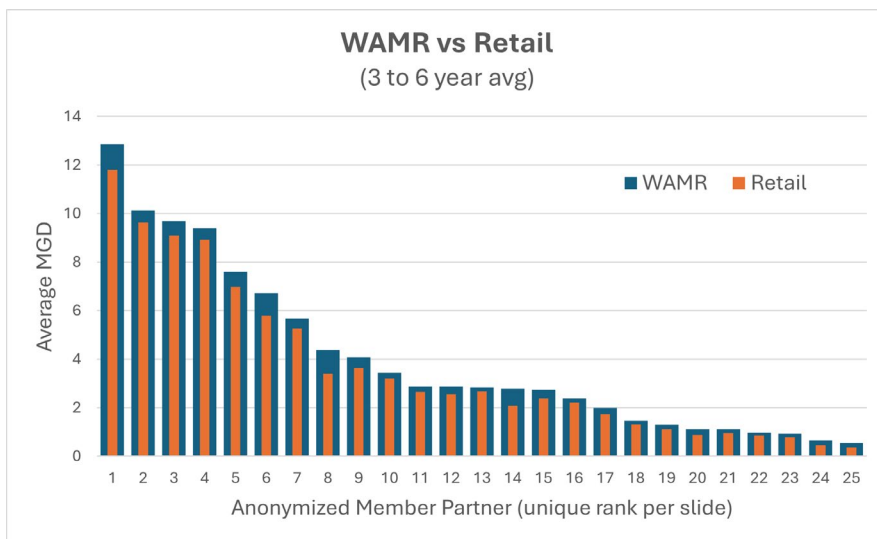
The group also discussed plans for an in-person Emergency Response Workshop focused on National Incident Management System and Incident Command Structure (ICS) training for fall 2024. Receiving strong interest in ICS training from members, the Outreach Team will convene a small group to shape the workshop content and determine the date. Following the meeting, the group participated in a tour of the GLWA Southwest Treatment Plant, led by Southwest Plant Manager, Jeffrey Jones. (Photo shown right) The next WMBP meeting will be September 18.



Member Partners participating in a tour of the Southwest Treatment Plant led by Jeffrey Jones

Water Analytics, Planning and Metering (WAPM)

The WAPM Group conducted the anonymous annual wholesale versus retail water volume analysis. This is a high-level, voluntary audit to identify inconsistencies in water use data. This year's analysis included 25 unique member partners. The data received corresponds to 40% of wholesale master meters and 37% of the total wholesale flow for master metered member partners. At the AWG meeting on June 25th, the results of the analysis were presented to the member partners. Please see the chart below for details.



2024 Wholesale vs Retail volume comparison (3 – 6 year daily average)

Key Takeaways:

- No member partner has a negative or zero Non-Revenue Water (NRW).
- One member partner with high NRW – under investigation
- Two member partners with low NRW – under investigation
- GLWA is using ongoing analytics to identify consumption anomalies

PLANNING SERVICES (continued)

Wastewater Analytics, Planning & Metering (WwAPM)

June has been about building membership in preparation for current and future work products. The WwAPM Group built membership by discussing regional operating plan opportunities with member partners while developing a framework to improve current operations, by engaging stakeholders in preparation for the Southeast Michigan Flood Resiliency Study, and by participating in the GLWA internship program to assist in developing the future workforce.

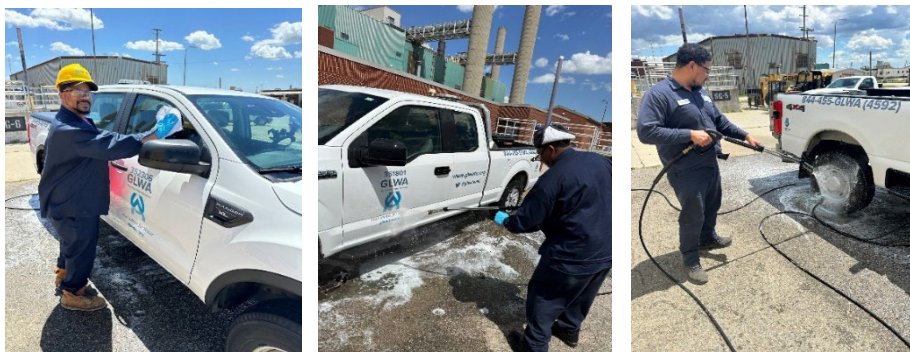
Relative to the Regional Operations Plan, WwAPM assisted the Research and Innovation group with the identification of wastewater data sources that could be useful in the development of forecasting algorithms. Additionally, through a post-event analysis spanning from SE-S-1 through VR-15, a new critical elevation was identified. On June 26th, representatives from DWSD, Oakland County, Macomb County, and Wayne County agreed on modeling four areas to identify potential benefits and risks associated with operational changes. These efforts continue to improve our understanding of the system while building relationships, and we look forward to future collaboration efforts as we kick off the Model User Group in July.

WASTEWATER OPERATING SERVICES

Wastewater Operations

2024 Annual Wastewater Spring Clean-Up Week

Wastewater Chief Operating Officer, Navid Mehram, P.E. would like to extend a thank you to Wastewater Operations and Combined Sewer Overflow (CSO) team members for the hard work and dedication exhibited during the annual Wastewater Spring Clean-Up week that took place in June 2024. The shared commitment to maintaining a high standard of operational organization and efficiency serves to help each area and functionality thrive productively.

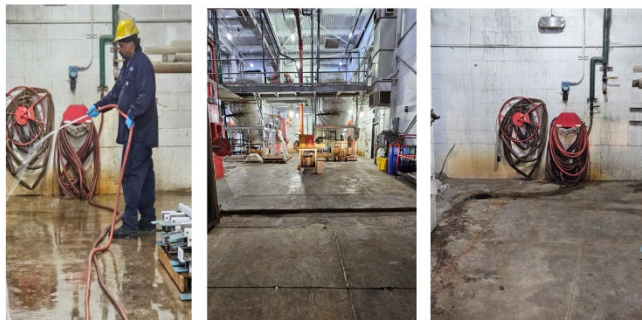


WASTEWATER OPERATING SERVICES (continued)

Included are before and after photos of areas cleaned and organized during Wastewater Spring Clean-Up week

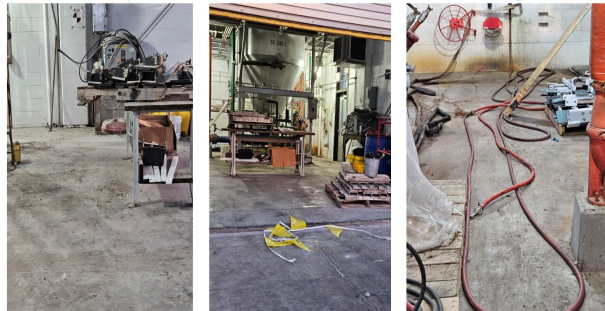
Operations team members, Deonta Wrack (left photo), Marcus Hall (middle photo), DeAngelo Gomez (right photo) participating in the Wastewater Spring Clean-Up week car wash

Liquids Team - Scum Concentrators Building



After

Liquids Team - Scum Concentrators Building



Before

Plant Technician, Adrian Foster pictured in the far left photo participating in the Wastewater Spring Clean-Up

Operations

The Water Resource Recovery Facility (WRRF) Operations complied with the Water Quality Standards for the month of July. This year again, WRRF Operations met and exceeded its goal under the Boundary Waters Treaty International Joint Commission to reduce phosphorus loading by 40% from the WRRF 2008 effluent Phosphorus total.

Maintenance

The Maintenance Team participated in another successful Wastewater Spring Clean-Up Week this year. With the hard work and diligent efforts of the team the past few years, disposing of old obsolete materials and decluttering the WRRF, a heavier focus was placed on improving the 5S in their workspaces. The evolving focus of the Spring Clean-Up efforts is a great example of the dedication to continuous improvement at the WRRF and the team does an excellent job and takes a great deal of pride in it every year!



A local storage area for the Incineration Team to stage parts for active projects and their workshop is shown after being cleaned during Spring Clean-Up 2024 is shown above with a before and after photo.

WASTEWATER OPERATING SERVICES (continued)

Laboratory

The Laboratory team recognized Chemist Mini Ramankutty for her service as she retired from the lab after 33 years of service. Mini Ramankutty is pictured in the right photo celebrating her retirement.



The lab team has been testing a vacuum sampler for the past months. At one of the primary facility influent sites, it was found that due to a stronger purge and cleaning cycle, the tubing stays much cleaner and requires much less tubing changes. This reduces the maintenances required on the samplers. The team will start placing two new samplers on process sampling sites to allow the team to become more familiar with the sampler's functions. The vacuum sampler has a high accuracy of volume drawn and stops collecting when a bottle is full, preventing potential overflowing. It allows the filling of four carboys simultaneously, which may be advantageous to use for wet weather samples, providing ample sample volume for short wet weather events.

The lab team completed their annual Compliance Sampling Inspection and laboratory walk through inspection with the Michigan Department of Environment, Great Lakes, and Energy (EGLE). The EGLE inspectors found the lab clean and well maintained. The inspectors noted that the lab appeared to be managed and operating well.

Process Automation & Control System Team (PACS)



The PACS team is hosting control system training for Operations, Maintenance, Engineering, and Leadership team members.

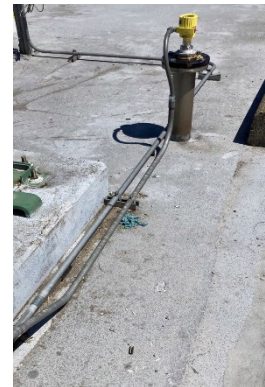
In preparation for the training sessions, the PACS team cleaned and reorganized a WRRF training room and installed new operator workstations, enabling 12 students to concurrently attend a training class. Four-hour classroom sessions are available twice daily between June 17, 2024, and July 26, 2024. Each session covers the basics of the Ovation Control System including graphics, equipment depictions, logic, and historical trends. To date, a total of 139 team members have successfully completed the training.

New WRRF training room shown in the above picture.

WASTEWATER OPERATING SERVICES (continued)

The PACS Team assisted the Wastewater Engineering Group in connecting a new pilot level instrument on Aeration Basin No. 3 to the Ovation Control System. The Engineering Team selected and positioned the instrument to assist operations with detection of Nocardia foam (an indication of overgrowth of undesired bacteria in the aeration basins).

The PACS team installed the instrument and new wire conduit. The team also ran wire from the sensor to Ovation allowing remote monitoring of the foam levels from operator workstations.



New sensor and conduit on aeration basin 3 is shown in the above right photo.

Industrial Waste Control

An EGLE Recon Audit was held on June 25, 2024, by southeast Michigan staff for the WRRF Laboratory and Industrial Pretreatment Program. EGLE provided their findings by email dated June 26, 2024, and there were no violations cited.

Engineering And Construction

CIP Construction

Wastewater Projects in Design or Misc.

Capital Improvement Planning (CIP) Design:

CIP-211005 – Contract No. 2103338 – PS2 Variable Frequency Drives (VFD) Replacement

This design project involves replacing the end of life VFD for five of the main lift pumps at Pump Station 2, and replacing 4,160V electrical gear, including transformers, that will eventually power all eight main lift pumps. The 90 percent design review window is open and will last through the month of July.

CIP 211007, Contract No. 1904337 – Pump Station 2 Bar Rack & Grit System Improvements

This project is to replace the current bar screens with finer screens and install an improved grit processing system. The request for bid received three bids which were publicly posted in the cost tabulation/notice of respondents on June 26, 2024. The project is negotiating with the design firm to expand their contract to include construction oversight support. Next steps include awarding the construction contract and amending the design contract.

CIP216008, Contract No. 2000970 – SFE Pump Station Rehabilitation

The contractor has received bids for the construction portion of the work and is working through the bids, exclusions, exceptions, clarifications, and schedule projections to put together a lump sum proposal for review by GLWA in late July 2024. As part of the path forward, the contractor is also finalizing its measurement and verification plan to document the operational savings of the new facility.

WASTEWATER OPERATING SERVICES (continued)

CIP 222001, Contract No. 2304897 – Northwest Interceptor (NWI) to Oakwood CSO Sewer (NOCOSOS)

Notice of intent to award has been issued for Jay Dee Contracting for \$73 million (Engineers Estimated Opinion of Project Cost was \$87 million). Contracts are being prepared for signatures and the item is on the August Board of Directors agenda. Submittals on the details for the project between Jay Dee and GLWA are ongoing. Property and Easement Acquisition is ongoing. Construction is expected to begin fall 2024.

CIP 260201, Contract CS-168 – Rehabilitation of Conveyance System Interceptors and Trunk Sewers

Completion of the request for proposals for the rehabilitation of the NWI in August 2024, the warranty inspections of the rehabilitation of Outfall B-39 and the rehabilitation of the NWI are the only tasks now remaining under CS-168.

CIP 260619, Contract No. 2004538 – St. Aubin, Leib and Seven Mile CSO I&C Replacement

This design-build project will replace the end-of-life control system with a new Ovation control system at three Combined Sewer Overflow facilities. The St. Aubin Software Factory Test Verification Workshop took place on July 9, 2024, and the Witnessed Hardware Factory Test is scheduled for July 18, 2024. A walkthrough of all instruments and control panels built to date will also occur on July 18, 2024, at Commerce Control Incorporated and Emerson shops in Novi, Michigan. In late July, the Leib Witnessed Hardware Factory Test for the main facility and remote sites is expected to occur.

CIP 260701, Contract 1803709 – Conveyance System Infrastructure Improvements

The remaining scope of this engineering contract includes construction assistance from two separate construction contracts. CON-2102859 is progressing with newly constructed backwater gate chambers and is expected to reach substantial completion in December 2025. CON-2201142 is progressing with the repair and replacement of critical mechanical components in the in-system storage devices and is expected to reach substantial completion in September 2024. However, an additional scope was added to the contract that requires a time extension to March 2025. A change order for the extension of contract time will be reviewed by the Board of Directors in July 2024. Contract No. 183709 also includes the construction of a river gauge house on the Detroit River. Construction of the gauge house is set to begin later this summer 2024.

CIP260210 - 2201041 - Ashland-Linwood-Lonyo-2nd Av-Shiawassee

The design of the proposed work on these five sewer sections is nearing 90%. The future construction projects will be broken into two separate projects. The Lonyo sewer is its own project with an Engineers Estimated Opinion of Project Cost of \$26M due to the presence of an estimated 18,000 tons of debris in the double barrel upstream of the Baby Creek CSO facility.

WASTEWATER OPERATING SERVICES (continued)

The Lonyo section will take an estimated three years of work to complete, with two permanent access hatches and debris removal being planned from Patton Park. The Lonyo section has undergone Multi Sensor Inspection to narrow in on the specifics of the debris and gather as much data about the sewer prior to bidding. The other four are an estimated \$12 million in work and more in line with other sewer rehabilitation project scopes.

CIP 260904, Contract No. 2200545 - Professional Services for 3rd Floor Renovation at WRRF NAB

This project will renovate the third floor New Administration Building to maximize and optimize the space utilization of the building as part of the Wastewater Master Plan. The consultant submitted the 95 percent construction development documents and specifications. The project team will continue to incorporate feedback from various stakeholders and finalize contract drawings.

CIP 270006, Contract 2200061, Design Services of CSO Facilities Improvements II

This project optimizes disinfection and screening at the St. Aubin facility, addresses fall protection safety requirements and rehabilitates architectural deficiencies at all nine CSO facilities. The project team continues to host workshops related to reliability, State Revolving Fund, and other key design criteria as we progress to the 90 percent design by the end of summer 2024.

CIP 270010 – Contracts 2401360 – Puritan Fenkell and Seven Mile HVAC Upgrades

The scope of work includes upgrading the HVAC systems at both Seven Mile and Puritan-Fenkell CSO Facilities. Proposals in Bonfire came in over the maximum allowable amount for Task Order Engineering Service (TOES) contracts. The budget has been adjusted and is currently in the procurement pipeline.

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

Wade Trim is progressing toward the 60 percent design milestone. Meetings with EGLE were held to discuss the scope of work and the proposed construction sequences to minimize shutdown of basins. A copy of the Basis of Design Report was sent to EGLE for review and comments, if any.

Non-CIP Construction:

Task Order Engineering Service (TOES) 38T, Contract No. 2203014 – Incineration Complex II Conveyor System Fire Protection Improvements – Pilot System.

This project will install fire protection devices inside the Complex II Incineration Building per recommendations by the insurance company. This will significantly reduce the risk of equipment damage and loss of property. The notice to proceed for construction was issued (Contract No. 2302932) to Commercial Constructing Company on June 10, 2024. Amendment #2 for a contract extension (TOES 38T) through March 31, 2025, is being prepared.

WASTEWATER OPERATING SERVICES (continued)

TOES-39T – Contract 2201974 – B-House Reducer & Meter Replacement, and Concrete Repair
This project includes repair procedures for concrete and piping components. Return activated sludge flow meters are to be replaced. A 100 percent design has been completed, and the construction is to be combined with another TOES contract 2302068 in the same area. Quotes were received for 18" flow meters and are under review.

TOES T2-02, Contract No. 2300191 – Incineration Complex II Hoist Improvements
This engineering contract includes design, bidding assistance and construction administration in connection with the installation of the new gantry crane and exterior access doors on the fifth floor of the Incineration C-II building. This project will also install an access hatch on the first floor to bring large equipment into the basement. The consultant has submitted the Pre-final Design Plans and Specifications on June 24, 2024. The submittals are currently under review.

Combined Sewer Overflow (CSO) Control Program

CSO Operations and CSO Maintenance

The Wastewater Conveyance CSO Operations and Maintenance (O&M) Team assisted GLWA's Life Cycle Project Managers with several design build capital improvement projects. O&M team members are included on the design phase of these projects to assist engineering with input from practical knowledge and experience. These projects included:

- Hubbell-Southfield CSO 30% design
- Michigan Department of Transportation/GLWA site walk-through for CSO netting facilities
- Joy Rd./Brush-Bates Sewer Rehab
- Leib Screening and Disinfection Facility (SDF) 50% Workshop (Supervisory Control and Data Acquisition upgrade)
- CSO Reliability Centered Maintenance-Reliability Centered Design Workshop for St. Aubin

The Wastewater Conveyance team is currently working with 360-Water to create learning modules. The modules will occur in phases, with the first phase of modules being created for the east side collection system which includes Fairview, Freud, and Conner pump stations as well as Conner Creek CSO. The best practices work group is a quarterly meeting with other regional wastewater CSO operations leaders to discuss experiences, lessons learned, and share resources related to operations and maintenance.

Wastewater conveyance would like to recognize Plant Technicians, ***DeSean Lawson, Keion Williams, Tarrell Harvey and Justin Davis*** at Baby Creek screening and disinfection facility. These team members successfully managed their first wet weather event with minimal overseeing from supervision. The team members include our newest group of technicians and the only facility without veteran leadership.

WASTEWATER OPERATING SERVICES (continued)

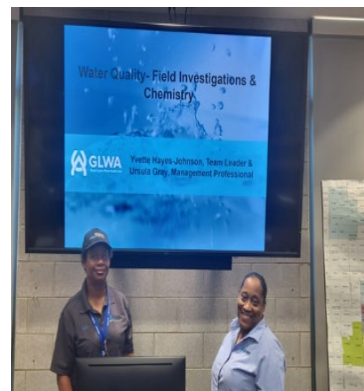
Also, recognition goes to Management Professional, **Rainessa Williams-Fox** and Intern, **Andrea Rosenau** for the creation and management of the transition to Smartsheet and a SharePoint link. The transition Smartsheet is a live document used to provide real time status of the transition of assets for team members to track progress. The SharePoint link was created for Wastewater Conveyance Leadership to “stay in the know” of GLWA events, share important folders related to CIP and O&M and keep our team members up to date with equipment shutdown requests.

WATER OPERATING SERVICES

Water Quality

Career Day at Water Works Park Water Treatment Plant

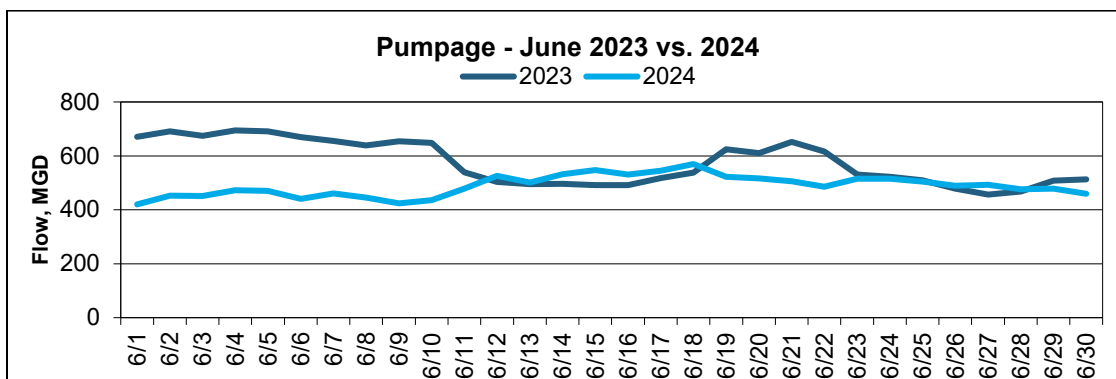
On June 4, 2024, Team Leader Yvette Hayes-Johnson and Management Professional Ursula Gray were among some of the presenters who gave presentations regarding their team functions at Water Works Park Water Treatment Plant. There were about 30 middle school students who attended the career day event from Pontiac Middle School. Yvette discussed the roles and job description of the Water Quality Investigators, and Ursula explained the job responsibilities of the Water Quality Chemists and the role they have within GLWA. The goal of both Yvette and Ursula were to provide information to these middle school students and enlighten them about the job opportunities and possibilities within GLWA. All the presenters who participated in this career day event, encouraged the students to become part of the future and consider working in the water service sector.



Team Leader Yvette Hayes-Johnson and Management Professional Ursula Gray

Systems Control Center (SCC)

There was a 15 percent decrease in pumpage in June 2024 compared to June 2023



WATER OPERATIONS (continued)

Research, Innovation & Transformation

Research – Wastewater

Research Team members John Norton and Andrew Marcus spoke at the Michigan Water Environment Association's 99th Annual Conference. They presented on the ongoing hydrothermal liquefaction feasibility project funded by the US Department of Energy. The goal of the project is to assess the feasibility of processing municipal wastewater biosolids into a biocrude-type liquid that can be sold to refineries as feedstock to be further processed into liquid fuels. The talk went very well and was attended by approximately 75 attendees.



Transformation – Visual Management

The Transformation Team has 5S Training on the second Wednesday of each month from 9:00 am – 10:30 am. To register, visit Workday.

The Maintenance Team at the Water Resource Recovery Facility has worked with the Transformation Team to achieve quick wins through visual management. Planners and Maintenance team members have worked collectively to increase visual cues in their respective areas. These visual cues allow team members to work smarter and more efficiently.

Visual support allows quick methods to access the equipment/asset and quick decision making for next steps. Here are some examples below:

- RED – Immediate Attention Needed
- YELLOW - Monitor the equipment/asset
- GREEN – Good, no wrench time needed

WATER OPERATIONS (continued)

Green/Red for Belts, Chains, or Cables – Top RED too tight, Middle GREEN good, Bottom RED too loose.



Facility Operations

The Facility Operations area is responsible for maintaining and managing all properties, such as the grounds and structures associated with the water and wastewater system. Here are some of the activities under this team's responsibility:

Fences and Gates

Ongoing gate preventative maintenance and addressing gate and fence repairs as needed. Working on asset numbering and coordination with NEXGEN.

Roofing Repairs

Ongoing roof repairs due to leaks after rains throughout GLWA facilities. Facilities continues to work with Schreiber Roofing on emergency repairs, preventative maintenance and developing a priority list of roof replacements that will be needed in the next couple of years. Presentation to discuss roof needs will be discussed at managers meetings.

Properties for New Freud Pumping Station

Facilities continues to monitor weekly and maintain the grounds and vacant buildings on the 21 sites along Freud Street. Urgent request to clean up a property not owned by GLWA was handled within two hours of being notified of an upcoming community meeting.

GLWA Properties

A vacant property is being checked for trash dumping, break-ins, and overgrowth and identified issues are being resolved on a regular basis. Existing structures should be demolished, and adjacent property owners should be kept informed of upcoming projects.

East Lake Church site is still occupied by the school, and spaces are used on occasion by GLWA for large gatherings.

WATER OPERATIONS (continued)

Grounds Maintenance

Sites are being cut and maintained on a very regular schedule now. The Facilities Team is working with Landscape Services, Inc. to have them step up the clearing of fence lines, overgrowth along buildings, and in paved areas.



Before



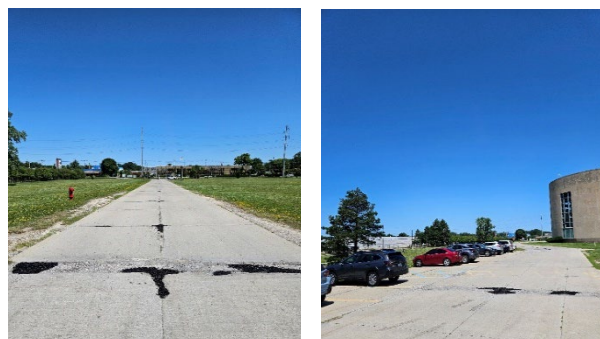
After

(Slightly different photo angle but same space)

Examples of overgrowth surrounding our equipment requiring special attention and specialized escorts due to high voltage and combustibles

Pavement Patching

Facilities Technician Mason Scott Jenkins is traveling to a variety of sites to perform emergency pothole repairs. Mr. Jenkins has just finished up repairs at Northeast and will be heading to Lake Huron the week of July 8 for more pothole patching.

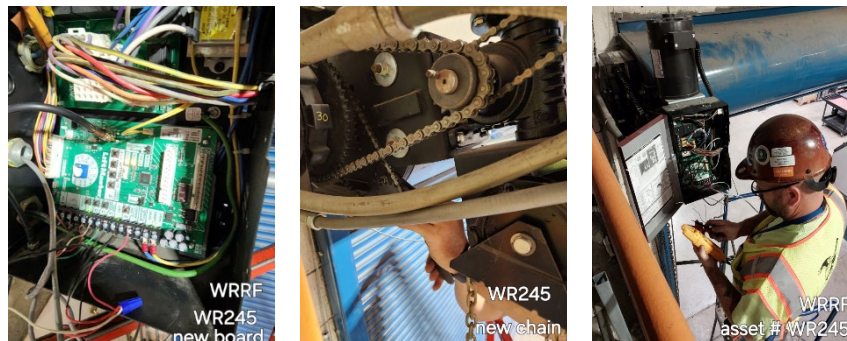


Northeast Water Treatment Plant Road

WATER OPERATIONS (continued)

Overhead Door Repairs

The Facilities team has scheduled approximately \$74,000 worth of repairs on over 50 overhead doors. During the week of July 1, the team repaired doors and replaced two roll up doors at the Water Resource Recovery Facility, also planning for the replacement of the trifold doors at Northwest Station



Examples of various overhead door repairs; controllers and chains being replaced



Two new doors installed at the Water Resource Recovery Facility



Zug Island Sample Building -existing doors replaced and new doors installed

WATER OPERATIONS (continued)

Engineering

Water Engineering Active CIP Project Status

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

Project Manager: Pete Fromm

This construction contract project is at 90 percent complete. All segments of piping have been installed and the connections to the 8 Mile transmission and the connection to the Haggerty Booster Station reservoir have been completed. Piping segments are currently being pressure tested, disinfected, and “Bac T” (total coliform) tested. Final surface restoration (roadway) is being completed for segments along Meadowbrook and 13 Mile. Final testing of the control valve station at the Haggerty Booster Station is planned once all pipe segments have been disinfected and tested. Project is still on schedule for August 2024 completion.

CIP# 119009 (Contract No. 1803990) Lake Huron High Lift and Yard Piping Improvements

Project Manager: Brian Vanhall

This project at Lake Huron Water Treatment Plant adds three pumps that are each rated for 20 million gallons per day, a 72-inch flow meter on the south high lift header with an 84” butterfly valve for isolation, 16” flow metering for process water usage by the plant, blowoff on the south high lift header, infrared heating within the pump building on the south side, and a replacement valve actuator on the 84-inch butterfly valve on the north high lift header. Construction for the south header improvements is forecast to be completed in the summer of 2024. Installation of the new high lift pumps and associated construction has been delayed by the pump supplier and a forecast is to be determined.

CIP# 112006 (Contract No. 1904231) Northeast Flocculator Replacement

Project Manager: Brian Vanhall

This project at Northeast Water Treatment Plant replaces flocculator equipment in all four basins, demolishes inlet gates to each flocculation chamber and installs a baffle block at each basin inlet for flow distribution, improves access to the drywell with stairs and platforms to access the new flocculator gearmotors and replaces the access hatches to the inlet gates in each basin. This project is in the construction phase and flocculation improvements have been completed for Basin #3. Flocculation improvements for Basin #2 are next and are forecast to be completed in the summer of 2024. The project is on track for overall substantial completion on July 13, 2026, and final completion by March 18, 2027.

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

Project Manager: Brian Vanhall

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

WATER OPERATIONS (continued)

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

Project Manager: Corey Brecht

Project is in construction phase. The scope consists of approximately 8,000 ft. of 96-inch diameter welded steel pipe along Dequindre Rd. in Rochester Hills which is divided between North Dequindre and South Dequindre segments. Currently the contractor has installed approximately 5,200 ft. of transmission main along the south segment of the project heading to Hamlin Road. South Dequindre Rd. is planned to be restored by October 2024 (approximately five months ahead of schedule). The entire project is currently on track to be completed by fall of 2025.

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

Project Manager: Corey Brecht

This contract is a material purchase with Northwest Pipe Company for the 96-inch spiral welded steel pipe. Currently Northwest Pipe Company is fabricating and delivering Phase II pipe for the contractor involved with Contract No. 2300600. The fabrication and delivery has increased to approximately 75 percent complete.

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

Project Manager: Corey Brecht

This contract is a material purchase for Phase III of CIP #122004 – 96-inch Water Transmission Main Relocation Project. The material purchase includes two 84-inch triple offset ball valves that will be provided to the Phase III contractor for installation. The lead time of these valves was between 66 - 80 weeks from start of the shop drawing process and is the primary reason why GLWA pre-purchased these valves. As of April 3, 2024, Cascade Consultants received a Purchase Order from GLWA. Shop drawings were received on May 17, 2024, and the submittal review response was provided on June 10, 2024. GLWA received review comment responses from Cascade on July 5, 2024.

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

Project Manager: Corey Brecht

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

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

Project Manager: Corey Brecht

Project is in construction phase. The work included installation of approximately 16,500 ft. of 48-inch diameter prestressed concrete cylinder pipe parallel to the existing 42-inch transmission main. The scope also included two cross connections and tie-in at the Wick Road Pump Station.

WATER OPERATIONS (continued)

All 16,500 ft. of pipe is installed, and all pavement restoration has been completed along with punch list items. Pending Final Pay Application and Closeout Request.

CIP# 111001 (Contract No. 1803769) Lake Huron High Lift, Low Lift, and Wash Water Pumping and Switchgear Improvements

Project Manager: Eric Kramp

This project provides engineering services to address long-standing issues with the switchgear, low lift, high lift, and corrosion control at the Lake Huron Water Treatment Plant. For the updates to the switchgear, low lift pumping improvements and high lift isolation, the consultant has provided a 60 percent Design Package which has been reviewed and a revised 60 percent design package will be forthcoming.

The Basis of Design Report for the High Lift Pump Station has been reviewed and returned, and the 30 percent Design Package is expected mid-July 2024. The Basis of Design Report phosphoric acid improvements will be due after receipt of the final target concentrations for optimized corrosion control anticipated in late July 2024. The high lift pumping and phosphoric acid improvements projects may be combined and modified to create cost overall savings on this CIP.

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

Project Manager: Eric Kramp

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

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

Project Manager: Eric Kramp

This project is to bring the rapid mix and flocculation systems at the Lake Huron Water Treatment Plant to current standards. This project is in the study phase, with piloting of a mix of hydraulic and mechanical flocculation underway. A pure engineered hydraulic flocculation solution could not be proven through piloting. Once sufficient data is collected, GLWA will meet with the Michigan Department of Environment, Great Lakes, and Energy to confirm that the preferred technological solution will be acceptable to the jurisdictional authority. The engineer is developing a presentation for EGLE on our recommended solution.

WATER OPERATIONS (continued)

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

Project Manager: John McCallum

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

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

Project Manager: John McCallum

This low bid project is to clean and rehabilitate 10 finished water reservoirs based on the design package provided in Contract No. CS-151A. It started in November of 2019 with punch list items getting wrapped up this winter. The project remains on budget and is ahead of the contract final completion of January 17, 2025.

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

Project Manager: John McCallum

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

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

Project Manager: John McCallum

This project is the low bid construction component based on Contract No. 2100236 bid package to clean, repair, and add select improvements to 16 finished water reservoirs at Eastside, Wick Road, Schoolcraft, Haggerty, Adams Road, Joy Road #1 & #2, North Service Center #1 & #2, Water Works Park #1 & 2A/2B, Northeast #1 & #2, Michigan Avenue, Lake Huron #3. The project started in December 2023 with the first season of interior rehabilitation work at Wick Road, Eastside, and Schoolcraft completed and the reservoirs are back in service. Exterior improvements will continue throughout the summer. Next fall another four reservoirs will be taken out of service for work. The last of the 16 will be finished in the 2026 to 2027 outage season with final contract completion in July 2028. The contract is on budget and time.

WATER OPERATIONS (continued)

CIP# 170803 (Contract No. TBD) Reservoir Rehabilitation Phase III (Design-Build), Booster Stations and Water Treatment Plants

Project Manager: John McCallum

This project includes capital improvement design, field engineering, construction management, cleaning and repairs for all 30 of the finished water reservoirs at booster stations and water treatment plants over a six-year period. The request for proposal is currently in scope development stage with an estimated public request for proposal issued in March 2026. The first set of five reservoirs will be inspected in the fall of 2027 (FY28) and the last set of five reservoirs finished in the spring of 2033 (FY33).

CIP# 170803 (Contract No. To Be Determined) Reservoir Rehabilitation Phase III Representative Project Representation Services Contract, Booster Stations and Water Treatment Plants

Project Manager: Eric Kuhn

This project provides project representation services to oversee work performed on Phase III of the design-build project for reservoir inspection, cleaning and repairs for all 30 system reservoirs. The request for proposal will be for three full-time resident project representatives to oversee the reservoir work on a daily basis. The request for proposal is in the scope development stage with an estimated public request for proposal issued in March 2026.

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

Project Manager: Justin Kietur

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

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

Project Manager: Mike Dunne

The project goals are to increase air exchanges and improved distribution of fresh air in areas of the plant that are susceptible to an accumulation of off-gassing from treatment chemicals. To achieve these goals, the existing heating, ventilation, and air conditioning (HVAC) systems will be demolished, and replacement and additional HVAC systems will be installed. The new HVAC systems consist of gas fired makeup air units, exhaust fans, ductwork, natural gas piping, ventilation control panels, electrical power, ambient air monitors and associated appurtenances. To date, nearly all of the new HVAC units have been installed but are not yet operational. Construction trades continue to work on installing electrical power, HVAC controls, gas piping, and ductwork to allow for commissioning of the new HVAC units.

WATER OPERATIONS (continued)

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

Project Manager: Mike Dunne

The scope of the Belle Isle Seawall Rehabilitation project is to correct excessive erosion at the tip of the southern dike of the Belle Isle Intake lagoon. The erosion has been caused by years of ice floes scouring the dike and recent high-water events. The repair work will require the installation of new steel sheet piling and a rip-rap stone revetement to protect the earthen dike. Construction activities are underway with work taking place on the lagoon side of the dike. In preparation for construction, submittals are being delivered and reviewed.

CIP# 132016 (Contract No. 2004674) North Service Center Pumping Station Improvements

Project Manager: Tim Kuhns

Project is in conceptual design stage. Project will include rehabilitation of the existing station and consolidation of reservoir pumping within the main pump house eliminating the need for separate reservoir pump buildings.

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

Project Manager: Nichole Sajdak

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

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

Project Manager: Pete Bommarito

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

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

Project Manager: Tim Kuhns

Project is in construction phase. Project involves replacement of eight isolation roller gates that control flow between the raw water tunnel and suction ring and the low lift pumps. Contractor has replaced all eight roller gates.

WATER OPERATIONS (continued)

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

Project Manager: Mike Garrett

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

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

Project Manager: Tim Kuhns

Project is at 90 percent design phase. Project involves use of 42-inch, high-density polyethylene to loose fit slip-line approximately three miles of vintage 1915 cast iron 48-inch piping along Jefferson between the Water Works Park Water Treatment Plant and Rivard Street just east of downtown Detroit.

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

Project Manager: Jorge Nicolas

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

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

Project Manager: Vittoria Hogue

Project mobilized on March 4, 2024. Temporary lighting is being installed and equipment is being delivered to site and modifications in the first basin are being completed. Project involves removing and replacing flight and chain equipment in three of the four sedimentations basins at Southwest Water Treatment Plant. Equipment will be removed in basin 1A and removed and replaced in basins 1B and 2A.

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

Project Manager: Vittoria Hogue

Phase 1 of the project is at 90 percent design, Phases 2 and 3 are at 60 percent design. Project involves installation of looped and redundant mains in the downriver area along Inkster Road and Allen Road to maintain service in the event of a break along the existing mains. Phase 1 involves the installation of a transmission main along Inkster Road. It was decided in the beginning of March to increase the size of the main from 30-inches to 42-inches to maintain minimum contract pressures. The original design intent was to prevent boil water advisories in the event of a main break. The consultant has submitted the proposal for the additional scope for the requested change. GLWA is in process of reviewing the document.

WATER OPERATIONS (continued)

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

Project Manager: Michael Garrett

Project is in construction phase. Project involves new reservoir pumping facility as well as new reservoirs and improvements to various existing yard valves. Construction is nearing completion. Startup and training have begun. Testing of new facilities and equipment began in March 2024 in which testing was completed successfully and was turned over to Systems Control Center for operational control. Demolition of existing reservoirs expected to begin after a 30-day test. Substantial completion scheduled for September 2024. Final Completion scheduled December 30, 2024. Site acceptance test for Ovation was completed, project will be moving into 30-day test this month. The cut and cap procedures for the reservoir had to be placed on hold until after peak season.

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

Project Manager: Vittoria Hogue

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

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

Project Manager: Jorge Nicolas

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

OFFICE OF SYSTEM RESILIENCY

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

Energy Management

Mini Panicker, Director of Energy and Resiliency, worked on several ongoing initiatives to support Finance in developing accurate year-end summaries of energy usage and costs, as well as prepare projections for future energy budgets.

OFFICE OF SYSTEM RESILIENCY (continued)

OSR collaborated with Procurement to advertise a request for proposal that addresses LED lighting updates for the remaining water and sewer pump stations that will be updated to improve facility lighting and reduce overall energy costs. Coordination with Facilities will allow for either turnkey installations or provision of standardized parts for installation by GLWA.

Knowledge Capture

Organizational Development and OSR met to continue the efforts to develop the on-the-job training videos into a multi-audience curriculum that supports GLWA's efforts in Subject Matter Expert knowledge capture and transfer, as well as integrating into the training capabilities of Workday. The goal is to utilize the training videos and incorporate learning objectives seamlessly into the Workday system, to build on the content sharing within the videos, and incorporate training assessment objectives as well.

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

In support of the Engineering Groups, Thomas Hall, Director of Operations and Resiliency, conducted several witness tests at manufacturers' facilities for valves and pumps to ensure key performance and assembly criteria are met. By requiring and attending witness tests at the manufacturer's facilities, significant costs savings can be realized by preventing costly revisions to equipment after they have arrived on site. These proactive visits are coordinated with Engineering staff to optimize capturing Tom's extensive knowledge in the manufacture of large pumps and valves and can translate that knowledge into better specifications and understanding during the design and construction phases of their work.

Systems Resiliency

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

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

OFFICE OF SYSTEM RESILIENCY (continued)

Cyber Resiliency

Resiliency staff attended the Cyber-Informed Engineering (CIE) webinar offered by Department of Energy. CIE is an emerging method to integrate cybersecurity considerations into the conception, design, development, and operation of any physical system, energy or otherwise, to mitigate or even eliminate avenues for cyber-enabled attacks.

CIE concepts use design decisions and engineering controls to prioritize defense against the worst possible consequences of cyberattacks facing critical infrastructure systems and asset owners.

- CIE uses design decisions and engineering controls to eliminate or mitigate avenues for cyber-enabled attacks.
- CIE offers the opportunity to use engineering to eliminate specific harmful consequences throughout the design and operation lifecycle in addition to traditional cybersecurity controls.
- Focused on engineers and technicians, CIE provides a framework for cyber education, awareness, and accountability.
- CIE aims to build a culture of cybersecurity aligned with the existing industry safety culture.

OSR staff will review these standards to see if any should be applied in the organization to further strengthen cyber security.

Flood Resiliency

GLWA and the US Army Corps of Engineers (USACE) have signed the agreement to complete the Southeast Michigan Flood Resiliency General Investigation study. Current funding in the approved President's budget is \$1.1 million for fiscal years 24 and 25 and GLWA will be providing a 50/50 match with in-kind-services to complete the study. The work will begin with an extensive design charrette with key stakeholders to establish the broad goals and objectives of the work. In addition, a public signing ceremony is being scheduled to kick off the work. Public Affairs and Member Outreach will be supporting Resiliency and USACE to ensure all interested parties participate in this important study.

Resiliency Summit

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

INFORMATION TECHNOLOGY

In the past month, the IT Security Team has proactively blocked or thwarted 54,036 spam messages, 2,390 spoofed messages and 18 viruses. Additionally, 6,225 phishing attempts have been caught and 5,571 malware attempts have been blocked.

IT Business Productivity Systems

The IT Business Productivity Systems Team, in collaboration with the Financial Services Area (FSA), successfully launched Workday FINS (Finance) on July 1, 2024. Workday HCM (Human Resources) went live in December 2023, and with FINS now in production, Workday is a seamless Enterprise Resource Planning (ERP) system with views across personnel, learning, benefits, payroll, budgets, procurement, and accounts payable. Workday replaces several legacy systems that GLWA had outgrown and did not provide adequate insight into important organizational information. In the coming month, the FSA will begin to use the Workday Adaptive Planning analytics engine that enables low-effort access to budgetary planning and reporting. This result is the culmination of over three years of effort and focus by many team members across GLWA as well as consultants Alight and Slalom. We thank all those involved with this successful endeavor to implement a streamlined ERP to serve GLWA and its member partners for years to come!



IT Enterprise Asset Management Systems

The IT Enterprise Asset Management Systems Team along with our consultant partner, NEXGEN, and GLWA's Enterprise Asset Management (EAM) Group completed the System Testing phase of the NEXGEN EAM implementation. The Project Management Team has completed the NEXGEN training plan and has scheduled the System Administration, Train-the-Trainer, and Power User training sessions. Training will begin in late July and continue to go through go-live in November and beyond. Draft training materials continue to be developed.

INFORMATION TECHNOLOGY (continued)

IT Customer Service Delivery

The IT Customer Service Delivery Team along with the IT Telecom Team, the Logistics & Materials Team, and Lakeshore Global completed the installation of 13 LocknCharge Smart lockers at the Wastewater Resource Recovery Facility. The lockers will allow WRRF team members to easily store and charge their NEXGEN tablets while providing IT with better device oversight, manageability, and accountability. Installation of additional lockers are scheduled for late July at all five Water Treatment Plants.



IT Project Management Office (PMO)

Currently, the IT PMO is managing 16 active projects and is processing nine project requests. The PMO is also assisting with 32 initiatives.

PUBLIC AFFAIRS

July 9 Storm Communications

The Public Affairs team assisted GLWA in its continuing commitment to transparency by creating and executing a communications plan surrounding the July 9 storm remnants of Hurricane Beryl hitting the Detroit metro area. The plan included multiple news releases and updates on our system status to member partners, media and the general public. The media was also able to conduct interviews with Navid Mehram, Chief Operating Officer – Wastewater Operating Services. This gave GLWA the opportunity to control the messaging being reported by multiple media outlets by providing them with real-time factual information.

Public Notification of Issuance of Highland Park Bad Debt Recovery Credits

Public Affairs drafted and distributed a news release announcing that the GLWA Board of Directors authorized the utility's administration to implement bad debt recovery credits to reimburse first-tier member partners (those member partners who have a direct contractual agreement with GLWA) who had previously absorbed portions of this expense in their GLWA service charges. The bad debt recovery credits, totaling \$20,026,500 (\$5,026,500 for the Water System and \$15,000,000 for the Sewer System), will be applied to June 2024 services (reducing payments due from member partners for payments in the months of August and September).

PUBLIC AFFAIRS (continued)

Workday Communications

Public Affairs teamed up with Financial Services and Information Technology to create multiple communications surrounding the launch of phase two of GLWA's Workday implementation. The second phase successfully moved GLWA's Financial Services functions to Workday (FINS) as of July 1, 2024. The communications urged team members to take training and laid out exactly what was happening, and the essential information team members needed to know.

CEO Visit to Southwest Water Treatment Facility

Public Affairs facilitated a visit from CEO Sue Coffey to our Southwest Water Treatment Plant. Team members there were able to enjoy a meal and a conversation with Sue and other members of the Executive Team through the course of the workday. Sue also continued her group meetings with Team Leaders.

Freud Pump Station Meeting

Public Affairs provided technical support for a meeting in the Jefferson-Chalmers community with Detroit City Council Members Latisha Johnson(D-4) and Mary Waters Councilmember (At-Large) on the proposed new Freud Sanitary Pump Station. The community meeting at East Lake Baptist Church featured members of the GLWA team and the involved design firm showing new building designs.

One Water Partnership

Public Affairs once again provided a live stream option for the quarterly One Water Partnership meeting. The meeting included important information on resiliency efforts, learning about Dearborn's innovative storm response, and electing a new One Water co-chair.

Intern Event

Public Affairs assisted Organizational Development in their event officially welcoming GLWA's 2024 summer interns. Along with taking a group photo (pictured below), Brett McDonald from Public Affairs also took a professional headshot for each intern, and Mikala Evans designed a cool intern-exclusive t-shirt.



SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 194 hours of training during the month. The group also had a total of 210 online training hours for the month of June.

The group conducted ReadyOp (GLWA's emergency communication system) Drills for several pumping stations, Central Service Facility, Main Office Building and Water Resource Recovery Facility.

Security and Integrity attended the Active Assailant training conference in Troy, MI and the Detroit Corporate Security Symposium at the Fox Theater.

Lastly, Security and Integrity continues to plan and schedule "Active Assailant Training". Training will start on July 25, 2024 and will be continue through September 26, 2024. Training is managed in conjunction with Organizational Development.

ORGANIZATIONAL DEVELOPMENT

Performance Team

The FY23-24 Final Performance Review was launched in Workday on May 9, 2024, and concluded on June 20, 2024. Completed reviews totaled 957.

Internships

GLWA's Summer Intern Kickoff and Networking event held on June 25, 2024, was a tremendous success. We had a great turnout and the enthusiasm from the interns, Executive Leadership Team (ELT) members, Intern Managers and Directors was palpable. Organized by Alicia Parker, Human Resources Generalist (HRG), the event was held at Water Works Park (WWP). The event highlights:

- ELT members shared their stories.
- The interns engaged with ELT Chiefs and Leadership Team Members about their intern experience and education during the networking session.
- The interns toured WWP and the WWP Pilot Plant.
- During the WWP tour, GLWA apprentices shared their responsibilities and provided insight into the daily facility operations.
- The Public Affairs team provided a photo session for complimentary headshots.
- GLWA Intern T-shirts were provided to each intern.



The 2024 GLWA Summer Internship Program Interns

The event feedback was overwhelmingly positive.

ORGANIZATIONAL DEVELOPMENT (continued)



The Interns attending a tour of Water Works Park



Deputy CEO Bill Wolfson shares his story with the Interns



CEO Suzanne Coffey conversing with Interns

Apprenticeships

GLWA apprentices receive excellent related training instruction and on-the-job learning to prepare them for required certification and license exams. During the second quarter of 2024, GLWA apprentices successfully passed state of Michigan licensing and certification exams and earned their credentials:

- Cleve Mcree, third-year Water Technician apprentice, earned the State of Michigan Department of Environment, Great Lakes, and Energy (EGLE) F3 certification.
- Brendan Irwin, third-year Water Technician apprentice, earned the EGLE F3 certification.
- Peggy Kellie, fourth-year Maintenance Technician Apprentice, earned the EGLE S5 certification.
- Mark Jones, a fifth-year Electrical Apprentice, earned the State of Michigan Electrical Journeyman license.

ORGANIZATIONAL DEVELOPMENT (continued)

Community Outreach and Impact

Patricia Butler, Organizational Development Director, spoke on “Building Inclusive Futures: Leveraging Community Organizations and Apprenticeships for DEI Recruiting” at the 2024 Michigan Water Environment Association (MWEA) annual conference in Boyne Mountain, Michigan.

Adino May, Management Professional, participated in the Michigan Career Educator and Employer Alliance (***MCEEA***) Conference in Lansing, Michigan. The conference provided educators and employers from across the state, opportunities to meet and connect with career development professionals from colleges and universities and participate in interactive sessions including youth apprenticeship, performance development and coaching, and enhancing education for skilled growth.

The Performance Team attended the Oakland Community College Skilled Trades Pre-apprenticeship student interview event and pre-screened candidates for GLWA's apprenticeship programs.

Benefits and Wellness

Team Member Engagement – Benefits, Well-being, and Resiliency

Physical Well-being

GLWA Cookbook

GLWA team members have published a cookbook, *Your Window to a Healthy Lifestyle*, Volume I. The cookbook has several healthy recipes that include snacks, entrees, and beverages. Team members are encouraged to share their favorite recipe for a future volume. Checkout the cookbook on the One Water Wellness SharePoint page [here](#).



ORGANIZATIONAL DEVELOPMENT (continued)

Drop 5 Virtual Weight-Loss Community

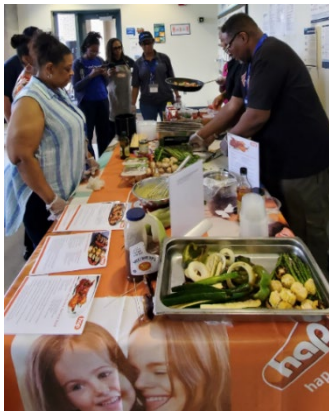
Held Thursdays at noon, the June Drop 5 Community facilitated by the Blue Cross Blue Shield of Michigan (BCBSM) well-being team, was a wealth of resources to help team members get ready for summer. It included tips for mountain biking, desk exercises, benefits of walking barefoot and the Swedish concept known as Fika.



June focus points were:

- Fika with Cindy and Marissa
- Walk Barefoot or Hug a Tree for Grounding (Earthing)
- Desk Exercises to Survive the Workday
- Mountain Biking is More Than Just a Ride

HAP Grilling Class



Chef Jeffrey Scott Tatum and Chef Chris from Health Alliance Plan (HAP) facilitated the hands-on grilling class for **20** GLWA team members at Water Works Park on June 6, 2024.

- Team members learned the basics of grilling and prepared the following recipes:
- Chicken Saute
- Easy Grilled Vegetables with Basil Garlic Sauce
- Ratatouille



(See Photos, left and right)

Mental Well-being

GLWA Men's Health Initiative



The GLWA Men's Health Initiative second anniversary event was held at the Wayne County Community College District (WCCD) Curtis L. Ivery Health and Wellness Education Center (HWEC) on June 14, 2024, with **80** GLWA team members in attendance.

ORGANIZATIONAL DEVELOPMENT (continued)

The staff of WCCD HWEC provided classes on:

- Meditation and Mobility
- Mental Well- being and Stress
- Movement – Healing to the Body, and
- Nutrition – Eating to Heal



Team members engaged in wellness fun tools, massage therapy, and food. This event gave team members the opportunity to destress and promote team building.

Wellness Wednesday Meditations

Held Wednesdays at noon, GLWA team members participated in June meditations led by the BCBSM well-being team. Each session focused on helping GLWA team members calm the mind and emotions, embrace tranquility, and cultivate personal growth. June topics included: Nurturing Your Life's Garden, Soothe and Relax the Body and Mind, and Sitali Breath.



Financial Well-being

Diversified Members Credit Union (DMCU) Homebuyer Seminar



On June 17, 2024, **13** GLWA team members attended the homebuyer seminar at the Wastewater Resource Recovery Facility (WRRF). Diversified Members Credit Union (DMCU) representatives and experts from their mortgage partner, Member First Mortgage, LLC., provided food and beverages, as they gave a presentation, resources, and the opportunity to answer home financing questions.

Public Service Credit Union

Public Service Credit Union representatives joined the One Water Wellness Team during June office hours at the Wastewater Recovery Facility (WRRF), Central Services Facility (CSF), Water Works Park (WWP), and Southwest Water Plant. Over **70** GLWA team members learned about their financial products and services, while they provided an engaging environment for giveaways.



ORGANIZATIONAL DEVELOPMENT (continued)

Retirement Planning Lunch & Learn



All GLWA team members were given an opportunity to meet with MissionSquare retirement plan specialists virtually June 17, 2024. Team members were able to review their retirement goals and portfolio performance during one-on-one consultations for both dates.

The Northeast Water Plant hosted the MissionSquare Retirement Education on-site lunch and learn seminar with **20** GLWA team members on June 18, 2024.



Benefit and Wellness Education

One Water Wellness Office Hours

The One Water Wellness Team hosted weekly on-site office hours during the month of June at:

- Central Services Facility
- Water Works Park
- Water Resource Recovery Facility
- Lake Huron Water Plant
- Northeast Water Plant
- Southwest Water Plant
- Springwells Water Plant



BENEFITS AND WELLNESS QUESTIONS???

Your One Water Wellness Team



Cynthia Offutt



Lesley Williams



Au Lisa McGovern



Morgan Mindingall



Sherrian Greenwood

70 GLWA team members were able to meet one-on-one for assistance with benefits, retirement, FMLA, and wellness resources.

Training

During June, **28** instructor-led training courses were delivered to **148** GLWA team members totaling **159** instructor-led training hours. In addition, **47** online-self-paced training courses (e.g., KnowBe4) were completed totaling **29** self-paced training hours. Also, **six** GLWA team members completed **13** 360Water online courses.

ORGANIZATIONAL DEVELOPMENT (continued)

Staffing

Talent Management

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

Number of New Hires	10
Number of Separations	12
Total Staffing – Regular FTEs (YTD)	1045

FINANCIAL SERVICES AREA

June 2024 Audit Committee Recap

The June 2024 regular monthly Audit Committee meeting was held on Friday, June 17, 2024. The GLWA Audit Committee binders are publicly available at www.glwater.org/financials/. The meeting included the following topics:

- ✓ A presentation of the 2024 Municipal Bond Refunding transaction results
- ✓ A report on the status of conditions precedent related to the Bad Debt Recovery Credit
- ✓ Fiscal Year (FY) 2024 Second Quarter Budget Amendments discussion
- ✓ A request for the Audit Committee to recommend to the Board adoption of a resolution authorizing a Series Ordinance for issuance and sale of Sewer Disposal System Revenue Bonds
- ✓ A request for the Audit Committee to recommend Board adoption of FY 2024 Third Quarter Budget Amendments
- ✓ Presentation of the February 2024 Monthly Financial Report (Executive Summary attached)
- ✓ Monthly updates on the Gifts, Grants & Other Resources activities
- ✓ Presentation of the Quarterly Investment Report
- ✓ Circulation of the latest Procurement Pipeline

FY 2023 Annual Comprehensive Financial Report (ACFR)

GLWA received notice from the Government Finance Officers Association (GFOA) that we were once again awarded the Certificate of Achievement for Excellence in Financial Reporting for our Fiscal Year 2023 ACFR. This is the fifth year in a row we have been the recipient this distinguished award!

FINANCIAL SERVICES AREA (continued)

The GFOA established the Certificate of Achievement for Excellence in Financial Reporting Program (COA) to encourage and assist state and local governments to go beyond the minimum requirements of generally accepted accounting principles to prepare annual comprehensive financial reports that evidence the spirit of transparency and full disclosure, and then to recognize individual governments that succeed in achieving that goal. The goal of the program is not to assess the financial health of participating governments, but rather to ensure that users of their financial statements have the information they need to do so themselves.



Affordability & Assistance Update

Throughout the month of June, the Affordability & Assistance team proactively engaged in a series of on-site visits to our Water Residential Assistance Program (WRAP) service delivery partners with the purpose to deepen our understanding of the services they provide and how the WRAP program is administered and maintained. These visits provided valuable insights into our partners' operations and helped us brainstorm the maximization of resources as well as funding for the following year.

On June 10, 2024, the Affordability & Assistance team visited the United Way for Southeastern Michigan (UWSEM), which provides WRAP services for qualifying residents in Oakland County. A dynamic question-and-answer session was held that further enriched our understanding of their operations and services, as well as their commitment to the WRAP program and their residents' needs.

Next, the team visited the Macomb Community Action Agency (MCA) on June 14, 2024 and learned about the wide range of services they offer. MCA provides WRAP to qualifying residents in Macomb, Lapeer, and St. Clair County.

The last visit, which occurred on June 18, 2024, was to Wayne Metropolitan Community Action Agency (Wayne Metro) which services Monroe, Washtenaw, City of Detroit, Outer Wayne County and the City of Flint. We met in the New Center District of Detroit to round out the group of service delivery partners. We toured their newly remodeled Welcome Center, which also serves as a walk-in center for residents. In addition to welcoming the community, it offers their Mission Café, which is powered by TechTown Detroit. We met with the 25-plus team members who receive calls, process applications, and assist residents in need of water assistance. Wayne Metro provides a wide range of services to residents throughout southeastern Michigan.

Throughout the visits, we reaffirmed our commitment to continue working with the service delivery partners to reach GLWA's goal of assisting as many residents as possible in aiding their needs with water affordability and assistance.

FINANCIAL SERVICES AREA (continued)

Financial Services Update



One Water, One Team, One Workday!

GLWA Workday Financial Services (FINS) has gone live! GLWA will have a single, unified Workday platform – Human Capital Management (HCM) and FINS available all in one click. The GLWA Workday implementation was designed to launch in two phases. The first phase moved our Organizational Development and Payroll functions to Workday HCM on December 25, 2023. The second phase moved GLWA’s Financial Services functions to Workday FINS on July 1, 2024.

Training has been ongoing and well attended for both internal and external customers across all of the new modules to include invoicing, expense reporting, requisitions and financial reporting. The training, which was in person and virtual, will continue through July and the teams will also be creating on demand video content for team members as well.

Procurement Pipeline

The June 2024 Procurement Pipeline is attached. This edition includes important updates from both the Procurement and Accounts Payable teams related to the Workday transition.

This month’s edition also includes a list of upcoming solicitations, and a reminder that the monthly CEO Report is an important source of key GLWA news and information.

OFFICE OF THE GENERAL COUNSEL

- ***Legislative Updates:*** The Office is monitoring infrastructure spending bills at the federal and state level, supporting the activities regarding proposed water affordability legislation, and working with others to develop state storm water utility legislation.
- ***Gordie Howe International Bridge:*** GLWA filed a notice of claim with the Court of Claims related to its relocation claim.
- ***June and July 2021 Rain Events:*** The Office is providing legal support in response to the significant rain events in June and July 2021. Recently, the trial court dismissed most of the lawsuits against GLWA based on governmental immunity. The Plaintiffs are appealing the decision. The Court recently dismissed an additional lawsuit related to the July 2021 storm event. The Plaintiffs are also appealing the decision.
- ***Negotiations with the City of Dearborn:*** This office recently re-invigorated discussions with the City of Dearborn regarding terms of a Water Service Contract. Dearborn's City Attorney recently provided Dearborn's edits to the proposed contract. GLWA will meet and confer and respond accordingly.
- ***Highland Park Settlement Agreement:*** On February 14, 2024, the GLWA Board voted to approve of the settlement agreement in final (or next to final) form. On March 18, 2024, the Highland Park City Council unanimously approved the Settlement Agreement between GLWA and the City. When the Settlement Agreement is fully executed, the trust incorporated as a part of the Settlement Agreement is funded, and initial distributions from the trust are received, the Highland Park litigation will be closed. The trust has been funded and the initial distributions from the trust have been received. On June 10, 2024, the following Stipulated Orders were submitted to the Court: a stipulated order to dismiss the 2014 case; a stipulation for dismissal of the 2023 appeal from the 2014 case; a stipulated order for dismissal of the 2020 case; and a stipulated order for release of the cash bond to GLWA in the federal case. As of this reporting, all Stipulated Orders have been entered by the courts, and the cash bond in the federal case has been returned to GLWA.
- ***Mays, et al v GLWA:*** The Court recently entered an order partially granting GLWA's Motion for Summary Disposition and partially dismissing Plaintiffs' claims.
- ***Trenton Water Main:*** The Office is negotiating the transfer of the 24-inch water main to GLWA.
- ***Contract Negotiations:*** The Office is negotiating 30-year wastewater disposal services contracts with sewer member partners that do not have a model contract.

OFFICE OF THE GENERAL COUNSEL (continued)

- ***Environmental and Workplace Safety Compliance:*** The Office continues to work with the COO and team leaders from both the water and sewer systems to comply with regulations and to respond to any alleged violations. Associate General Counsel, Lavonda Jackson, attended the webinar “Navigating PFAS in 2024.”
- ***Record Retention Policy:*** The Office submitted GLWA’s record retention policy to the State. The Office is working on a record storage and disposal policy to work hand in hand with the record retention policy.
- ***Industrial Pretreatment Program (“IPP”):*** The Office also continues to provide assistance on PFAS and PFOS matters, including comments on the new drinking water regulations and negotiating an administrative consent order with an industrial user.
- ***Real Estate:*** The Office is working to secure easements and acquire properties related to various water and sewer projects. Each real estate transaction will be presented to the Board for approval when they are fully negotiated.
- ***Member Outreach:*** The Office continues to be an active participant in Member Outreach sessions. In addition to its regular outreach, this month, the legal department attended the Annual Meeting of the Woman’s Lawyers Association of Michigan to support Kirsten Silwanowicz (Associate General Counsel) as she was sworn in as Vice President. Kirsten also led a question-and-answer discussion with the keynote speaker, Barbara McQuade (former U.S. Attorney for the Eastern District of Michigan, UofM Law Professor, and MSNBC commentator). Kirsten did a fabulous job during the keynote and contributed to a very informative presentation.
- ***Main Relocations:*** The Office continues to support water operations in its discussions with community stakeholders regarding water main relocations.
- ***Civil Litigation and Arbitrations:*** The Office continues to vigorously defend actions against GLWA. In October 2023, the Board authorized settlements of key litigation including a class action lawsuit regarding IWC charges and the collection actions against Highland Park. The Office is working on implementing those resolutions.
- ***Labor Relations:*** The Office continues to provide legal advice to Organizational Development on labor relations and employment matters.
- ***Procurement:*** The Office continues to assist GLWA’s Procurement Team negotiate contracts, change orders and amendments and interpret contractual provisions. The Office is also assisting with the Procurement Policy’s Procedures and updating GLWA’s template contracts. The Office is part of a cross-functional team working to complete significant revisions to the GLWA construction contract, including consideration of using an entirely new contract format.

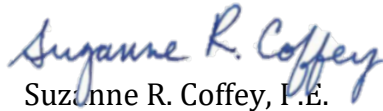
OFFICE OF THE GENERAL COUNSEL (continued)

- The Office continues to provide advice on federal grant compliance.

Statistics:

	#
Contracts approved as to form:	30
Contracts drafted or revised:	79
Subpoenas/Information requests received:	4
Subpoenas/Information responded to:	4

Respectfully submitted,


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

SRC/dlr

Attachments: February 2024 Executive Summary; June Procurement Pipeline



Key Financial Metrics

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

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

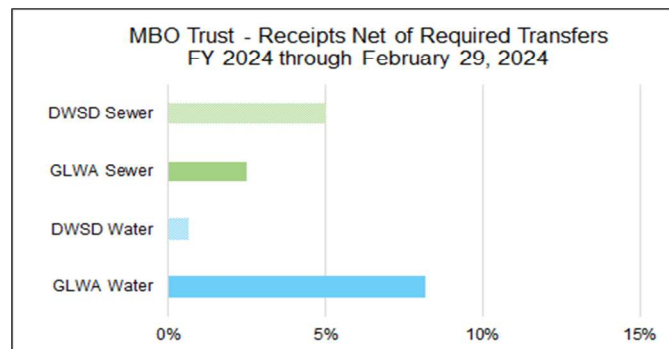
For the current year, water operations and maintenance, water and sewer capital spend, and investment earnings reflect variances to budget outside the normal range. Capital spend variances reflect evolving changes in timing that the Capital Improvement Planning group continues to monitor and review.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

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

As of February 29, 2024					
Metric	FY 2024 Budget	FY 2024 Amended Budget	FY 2024 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$231.9	\$227.2	\$227.4	0%	48
Wholesale Water Billed Usage (mcf)	9,102,000	8,587,000	8,658,000	1%	
Wholesale Sewer Billed Revenue (\$M)	\$188.0	\$188.0	\$188.0	0%	50
Wholesale Water Operations & Maintenance (\$M)	\$101.9	\$111.3	\$103.4	-7%	5
Wholesale Sewer Operations & Maintenance (\$M)	\$137.1	\$146.7	\$143.5	-2%	
Investment Income (\$M)	\$10.2	\$31.1	\$37.8	22%	37
Water Prorated Capital Spend w/SRA* (\$M)	\$159.5	\$126.7	\$112.4	-11%	28
Sewer Prorated Capital Spend w/SRA* (\$M)	\$132.7	\$101.8	\$74.7	-27%	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 51)



Net cash flow receipts remain positive for GLWA Water and Sewer. This means that all legal commitments of the MBO Trust and the lease payment are fully funded – and that positive cash flow is available for additional capital program funding in subsequent year(s). DWSD Water reports a surplus of \$0.5 million and DWSD Sewer reports a surplus of \$10.2 million of net receipts over disbursements through February 2024.

Budget to Actual Analysis (page 3)

- The FY 2024 information includes the proposed second quarter FY 2024 budget amendments pending approval by the GLWA Board of Directors.
- The total Revenue Requirements are on target through February 2024.
- The total overall Operations & Maintenance expenses are at 63.5% of budget through February 2024. This positive variance equates to a dollar amount of \$12.4 million.

Basic Financial Statements (page 9)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for February 2024 is \$61.1 million for the Water fund (24.9% of total revenues) and \$77.3 million for the Sewer fund (23.6 % of total revenues).
- Water Net Position increased by \$ 11.1 million, and Sewage Disposal Net Position increased by \$ 35.3 million for the year to date through February 2024.

Capital Improvement Plan Financial Summary (page 27)

- Water system costs incurred to date are above the 79.4% Capital Spend Ratio assumption.
- Sewer system costs incurred to date are below the 76.7% Capital Spend Ratio assumption.

Master Bond Ordinance Transfers (page 30)

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

Cash Balances & Investment Income (page 37)

- Total cash & investments are \$645 million for Water and \$764 million in the Sewer fund.
- Total, combined, cumulative, FY 2024 investment income through January is \$37.8 million.

DWSD Retail Revenues, Receivables & Collections (page 41)

- Water revenue through February 29, 2024 is 104.19% and usage is 104.09% of budget.
- Sewer revenue through February 29, 2024 is 98.31% and usage is 100.95% of budget.
- Combined accounts receivable balances for the water and sewer funds report a decrease of \$17.2 million over the prior year.
- Past dues over 180 days make up of 66.8% the total accounts receivable balance. The current bad debt allowance covers over 96.1% of past dues over 60 days.

GLWA Wholesale Billing and Collections (page 47)

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

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

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

June Procurement Pause

During the month of June 2024, the GLWA Procurement Team has largely paused the advertisement of new solicitations in the Bonfire Procurement Portal and the issuance of new purchase orders (PO). This pause is allowing Procurement to migrate data on existing purchase orders and contracts into GLWA's new Enterprise Resource Planning (ERP) system Workday, which will launch on July 1, 2024.

With the new Workday ERP system, please note the following.

- GLWA will continue to use Bonfire as it has in the past for solicitations and contract management.
- For the most part, this transition will be seamless to the vendor community as it relates to procurement activity. In most instances, existing PO numbers and balances will be in the new system. In some instances, a new PO number may be issued; in those instances, a GLWA Buyer will contact the Vendor to arrange for a new purchase order.
- The new Workday PO will have a different look but will still contain the same information.
- PO's and Contracts will have a new numbering system, but the new system will track the old PO numbers.
- **There is no action required on your part.** Please continue to use the existing invoice information with your corresponding PO number. Continue to submit your payment requests to accountspayable@glwater.org;

Any questions related to the procurement transition can be sent to procurement@glwater.org

The Accounts Payable Group would like to note the following.

- All vendor payee information is being carried forward into the new system. For the vendors using the GLWA Direct to You ACH Program, there are no changes. **The bottom line is that there is no action required on your part to continue receiving payment due to the new system.**
- The issuance of checks will similarly be paused to allow for data migration. The payment runs for the weeks of July 5 and July 12 will be paused. Payments will begin to be issued in the new system the week of July 15.
- In order to process as many invoices as possible for payment on June 28, vendors were asked to submit payments by June 7 for Construction Pay Applications and June 14 for all other payment types. The GLWA teams are continuing to process as many payments as possible in June.
- GLWA team members are also being asked to provide vendor processing and approvals at the highest priority up until June 21 to support timely payment for our vendor community.
- The Accounts Payable team will be available to answer questions during the transition and can be reached at accountspayable@glwater.org.

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 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 June 2024

Category	CIP #	Description/Project Title	Budget
Water System (next four to nine months)			
Construction	111001	Lake Huron Water Treatment Plant – LH-401 Switchgear and Low Lift Improvements	\$100,000,000
Construction (Design Build)	112008	Northeast WTP Filter Replacement	\$85,550,000
Design	113010	Southwest WTP Flocculation Improvements	\$4,933,000
Construction	122016	Downriver Transmission Main Loop – Phase 1 – Inkster Rd	\$21,000,000
Wastewater Systems (next four to nine months)			
Construction	260510	CSO Outfall Rehabilitation Phase VI	\$10,000,000
Construction	260206	Rehabilitation of 7 Mile Sewer System	\$30,000,000
Construction	211005.2	WRRF Pump Station 2 VFD Replacements	\$12,000,000
Design	270007	CSO Facility Disinfection Improvements	\$2,000,000
Construction	270006	CSO Facility Improvements II	\$15,000,000
Water System (next three months)			
N/A			
Wastewater (next three months)			
Design	270001	Pilot Netting and Disinfection Facilities at B03, B04, and B05	\$8,000,000
Design	270010	Puritan Fenkell and Seven Mile HVAC improvements	\$1,200,000
Construction	232002	Conner Creek Pump Station Improvements	\$36,000,000
Projects moved to Procurement Team (Preparing for solicitation on Bonfire)			
Construction (Design Build)	122004	96-Inch Water Transmission Main Relocation - Phase III	\$90,000,000
Professional Services	O&M	Specialized Services – Staff Augmentation	\$12,550,000
Professional Services	O&M	Lake Huron Water Treatment Plant Sludge Removal and Disposal	\$3,300,000
Professional Services	O&M	Emergency Standby Generator Preventative Maintenance	\$2,910,225
Construction	170306	Instrumentation and Control System Plant - wide SCADA Upgrade	\$3,340,000
Professional Services	O&M	Internal Auditor Services	\$650,000
Professional Services	O&M	Environmental Health and Safety Assistance	\$2,000,000
Professional Services	O&M	Refuse and Recycling Waste Pickup and Disposal Services	\$655,000
Professional Services	O&M	Fleet Management Services Including Leasing and Upfitting Vehicles	\$14,667,500
Professional Services	O&M	Water and Wastewater Pumping Stations LED Lighting Upgrades	\$7,500,000
Professional Services	O&M	Staffing Services	\$750,000
Professional Services	O&M	Investment Services	\$2,200,000

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

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