



Office of the Chief Executive

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

August 24, 2022

The Honorable
Board of Directors
Great Lakes Water Authority

RE: CEO Report – August, 2022

Dear Chairperson Quadrozzi and Directors:

As you know, in the early morning hours of Saturday, August 13, 2022, we discovered a leak on a 120-inch water transmission main that distributes finished drinking water from its Lake Huron Water Treatment Facility to communities in the northern part of our drinking water service area. The 120-inch transmission main is the largest in the regional water transmission system.

Due to changing water pressure levels, and out of an abundance of caution, we immediately issued a precautionary Boil Water Advisory for the 23 communities, covering approximately 935,000 people, impacted by the break. However, within the first 24 hours we lifted the precautionary boil water advisory for all but seven of the impacted communities, and thanks to team members' ingenuity and proactive thinking, restored some water flow/pressure to all the affected communities. We were able to accomplish this by making changes to how water is routed in the system.

Immediately after the break was discovered, crews identified the location of the leak, which is approximately one half of a mile west of our Lake Huron Water Treatment Facility. Our team worked diligently to isolate the area so that repair work could begin right away. Once the leak was isolated, crews opened emergency connections to other mains in the system to restore some flow to all the impacted communities.

A replacement piece of pipe was ordered on Saturday. Thanks to this proactive response, we were able to procure the only available 120-inch repair kit in the U.S. The repair kit allowed for replacement of 16 feet of pipe. The repair kit was sent from Texas and arrived on Sunday, August 14, 2022.

On Monday, August 15, we completed the initial inspection of the damaged pipe. The inspection found more damage than initially thought, which required the acquisition of additional lengths of the water main. While the inspection was occurring, we proactively ordered another 48-feet of pipe, which is being manufactured in East Joliet, Illinois and is expected to be delivered as early as Tuesday, August 23. This has extended the repair timeline by an extra week.

Later in the week, GLWA asked all the originally impacted 23 communities to limit their outdoor water use to assist in stabilizing pressures in the system. The communities cooperated and system pressures stabilized. Also, during the week, the Michigan Department of Environment, Great Lakes and Energy (EGLE) engaged with the seven communities who were on boil water advisories (BWAs) and informed them of the requirement for flushing and testing that would be needed to lift the BWAs. Communities and GLWA began fulfilling the EGLE requirements.

On Saturday, August 20, because of stabilized system pressures and completion of water quality testing, we lifted the precautionary Boil Water Advisory for all seven remaining communities. At this time, only one business in Greenwood is still under a precautionary Boil Water Advisory. Upon the announcement of the lifting of the Boil Water Advisory, GLWA provided residents and businesses with recovery checklists to help them emerge safely from the precautionary measure.

GLWA and its contractors have continued with repairs that can be implemented while awaiting the delivery of the additional pipe, including removing the broken pipe and preparing the existing replacement pipe for installation. GLWA has also been conducting additional inspections within the 120-inch main.

Once the repair is completed, the transmission main will be re-filled and repressurized. The next step is water quality testing, which involves flushing the pipe with chlorine, flushing and then taking two consecutive rounds of water quality tests, each of which take 24 hours and must come back negative for any presence of bacteria.

We have made the communities and the public aware that if the regional water system experiences any significant pressure drops during the repair or the main's return to service, it is possible that another Boil Water Advisory could need to be issued.

Throughout the course of the situation, we have remained proactive and responsive. As soon as the break occurred, we were in direct contact with our member partners and the emergency management teams of all impacted counties. An official Emergency Operations Center (EOC) was opened by St. Clair County, which included GLWA personnel, member partners, elected officials, emergency managers and other key stakeholders. The EOC holds daily morning briefings to discuss the progress of the situation, communicate and collaborate on important decisions related to the 120-inch transmission main break. GLWA also opened an internal Emergency Operations Center that meets daily in the afternoon.

We have made transparency a priority throughout the event. On Monday, August 15, I hosted a tour of the site for Macomb County Executive Mark Hackel; on Tuesday, August 16, St. Clair County Board of Commissioners Vice Chair Jorja Baldwin was on-site; and on Friday, Shelby Township Supervisor Rick Stathakis and Clerk Stanley Grot came out to see the repair site.

During the initial days of the incident, we distributed multiple news releases and updates to communicate key findings and progress related to the incident, with a commitment to continue to send daily updates by or before noon each day. Additionally, I've held several media briefings and interviews, including a virtual press briefing on Tuesday, August 16, to inform the public about the delay in schedule, and on Saturday, August 20 to answer questions about the lifting of the Boil

Water Advisory. I am proud of our efforts to keep the public informed and appreciate the media's very prompt, factual, and accurate reporting.

Water Operations team members have gone into member communities on several occasions with our water trucks to distribute 1-gallon water containers filled with GLWA drinking water to residents (*see photos below*). On Wednesday, August 17, we distributed over 6,000 gallons of water within 90-minutes, and on Friday, August 19 we distributed another 3,600 gallons.





I'm so proud of the GLWA team and the work that they're doing to optimize and restore operations and provide safe drinking water for the people of southeast Michigan during this crisis. There are so many team members that have contributed to our response that I cannot name them all here. However, a big shout out needs to go to Water Operations, Water Quality, Field Services, the Lake Huron, Northeast, Southwest, Springwells, and Water Works Park Water Treatment Facilities, System Control Center, Public Affairs, Information Technology, and Planning Services for their tireless work this last week.

As we work toward the completion of repairs, we will continue to look for creative ways to problem-solve and support our member communities during this challenging time.

Moving on to an update on our litigation with Highland Park, I would like to share some encouraging news. On August 18, 2022, the Michigan Court of Appeals reinstated the more than \$21 million judgment in favor of the City of Detroit (now GLWA) and against Highland Park. The Court of Appeals held that “the trial court erred when it reopened the case to litigate Highland Park’s counterclaim because the record clearly demonstrates that during the earlier appeal, Highland Park, in order to pursue an appeal as of right, unequivocally abandoned its counterclaim that it was overcharged for water and sewer services.” The Court of Appeals then vacated the Wayne County Circuit Court’s entry of a \$1 million judgment in favor of Highland Park on its counterclaim. This is the right result and we look forward to working with Highland Park and other stakeholders to find a long-term solution to this regional issue.

I’ll close by mentioning another public information activity I recently took part in related to the need for funding to address emerging contaminants and improve water infrastructure in southeast Michigan and across the U.S. On Wednesday, August 3, at the invitation of Congresswoman Debbie Dingell, and alongside State Representative Yousef Rabhi, I participated in a news conference organized by Invest America to talk about what GLWA is doing to mitigate the impacts of emerging contaminants such as PFAS on the environment and the communities we serve. I appreciate Congresswoman Dingell for her passion surrounding the subject of PFAS mitigation and her support of GLWA.

PLANNING SERVICES

Asset Management Group (AMG)

GLWA’s Linear System Integrity Program (LSIP) is continuing to progress with assistance from our consultant, HDR of Michigan. Both planning for multiple pipeline condition assessments and the development of the water program framework is currently underway.

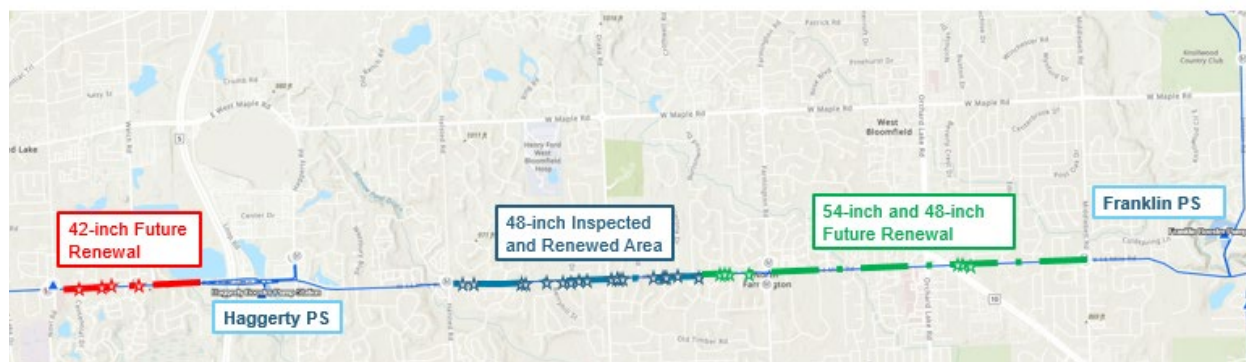
As the program progresses, many opportunistic inspections arise either from capital projects currently underway or from operational related activities. Several of these are outlined below.

Pipeline Condition Assessments	Water Program Framework
• 14 Mile Road • 96-inch Assessment Planning • 7 Mile Nevada Inspection Feasibility • Huron WTP & Hamtramck Opportunistic Assessments	• Water Program Management Plan • Business Processes • Guidelines

PLANNING SERVICES (continued)

The team continues to plan for the 14 Mile Road watermain renewals identified from the previous condition assessments. Based upon the condition identified in this main near a DTE gas pumping facility, a protection system is currently being installed to support several gas mains in the event of a failure. The 54-inch (along with four 48-inch pipe segments) are being planned for renewal beginning in October. It is planned for these renewals to be completed by Thanksgiving 2022. Ten segments along the 42-inch segment will be renewed in January 2023.

14 Mile Transmission Main



As part of the 7 Mile and Nevada water main project, a 600-foot section of prestressed concrete cylindrical pipe was identified that crossed a portion of I-75. This pipe was taken out of service for the renewal project, which allowed for the opportunistic visual and sounding inspection of the main in late July. The results and recommendation from this inspection are currently being prepared.

In coordination with the 96-inch watermain relocation project, the LSIP team is actively planning for the condition assessment of this portion of the system. Additional planning activities will occur once the finalized scope of the relocation project is complete.

GLWA operational team members brought another opportunity to the LSIP teams' attention. A 12-inch fire service loop surrounding the Lake Huron Water Treatment Plant has experienced several failures over the past five years that appear to be caused by corrosion. The LSIP team is evaluating these failures and developing a recommendation for assessing corrosivity of the soil conditions and the potential installation of a cathodic protection system to mitigate future corrosion related failures.

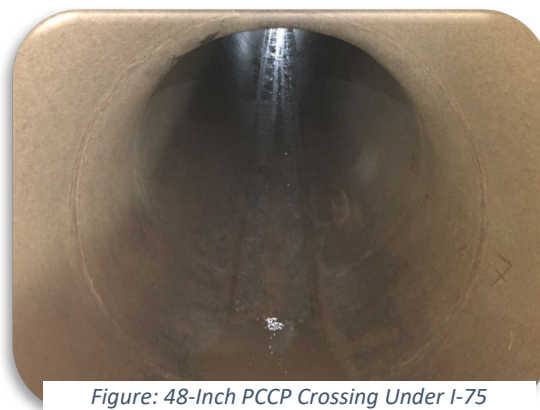


Figure: 48-Inch PCCP Crossing Under I-75

PLANNING SERVICES (continued)

Capital Improvement Planning Group (CIP)

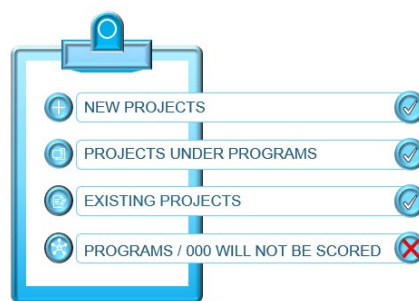
In July, the CIP Team worked closely with the water and wastewater teams to complete the project scoring phase of FY 24-28 CIP development. The CIP team held multiple water and wastewater review committee scoring sessions to finalize the project scores. The CIP team greatly appreciates the effort made by the scoring committee members including GLWA team members and the partner community representatives Ed Haapala, West Bloomfield Township, and Anil Cosine, City of Detroit.

💧 Water Review Committee

- | | |
|------------------------|-----------------|
| 💧 Brian VanHall | 💧 Eric Kramp** |
| 💧 Chandan Sood | 💧 Erich Klun |
| 💧 Cheryl Porter | 💧 Pete Fromm |
| 💧 Ed Haapala, WB Twp.* | 💧 Terry Daniels |

💧 Wastewater Review Committee

- | | |
|--------------------|---------------------------------|
| 💧 Brooke Ballard** | 💧 Kashmira Patel |
| 💧 Chris Nastally | 💧 Navid Mehram |
| 💧 Chris Wilson** | 💧 Anil Gosine, City of Detroit* |
| 💧 Chandan Sood | 💧 Phil Kora |
| 💧 Dan Alford | |



The CIP team completed multiple interviews for its Professional Administrative Analyst position in July and is in the process of finalizing interviews and selecting a candidate. A candidate for CIP Controls Manager accepted GLWA's offer for employment and is expected to start in August. A new intern, Chandler Thomas, joined the CIP team in July. Chandler is working on a Construction Engineering degree from Wayne State University. We look forward to continuing to grow and fill the remaining open positions including the Schedule and Budget Management Professionals.

Systems Planning Group

Water Charge Methodology Review Subgroup

The Water Charge Methodology Review Subgroup met on July 19 and July 28 to begin wrapping up the first phase of the review, which focused on building a shared understanding of the current charge methodology and establishing guiding principles for what, if any, methodology changes to recommend. The group agreed that any methodology changes result in charges that are stable year-over-year, simple to understand, reasonably reflective of a member's use of the system, and encourage environmental and economic prosperity for the region. In August, the subgroup will transition into the next phase of the work, which centers on identifying, prioritizing, and ultimately analyzing possible changes.

PLANNING SERVICES (continued)

WATER CHARGE METHODOLOGY



Regional Collaboration Group (RCG)

Also on July 19, the RCG met to learn about the findings from the investigations into the June and July 2021 extreme rain events, as well as the results of the Long-Term Control Plan hydrology and model calibration.

Water Management Best Practices (WMBP)

The WMBP work group met on July 20, with half the participants attending in person and half participating virtually. Members discussed recent increases in chemical costs due to supply chain impacts, the importance of political and community support for the funding of capital improvement projects and creative ideas for recruiting and retention in the water sector.

Wastewater Analytics Task Force (WATF)

On July 21, the WATF also learned about the findings of the investigation into the June and July 2021 extreme rain events, and then reviewed an analysis of dry weather inflow and infiltration data.

Capital Improvement Plan (CIP) Work Group

The CIP Work Group met on July 26. CIP Director Dima El-Gamal shared GLWA's 2022 CIP delivery KPIs and reviewed the development schedule of the FY2024-FY2028 CIP. GLWA's consulting partner, AECOM, provided an update on the Capital Program Management effort and Field Services Director, Todd King, presented an overview of the Detroit River Interceptor Evaluation and Rehabilitation project. Members discussed the impacts of CIP project cost escalation within their organizations or client organizations, as well as mitigation approaches.

Watershed Hub Work Group

On July 27, the Watershed Hub Work Group met to discuss cost scenarios and sampling locations for the investigational grab sampling program they are developing, and to prepare for a discussion of the GLWA regional water quality monitoring program phase II sites at their August meeting.

PLANNING SERVICES (continued)

System Analytics & Meter Operations (SAMO)

As part of the Units of Service (UoS) and System Water Audit, Phase 3 project, Black & Veatch (BV) completed the GLWA Water Balance for 2021 and Retail Sales vs Wholesale volume analysis. The results were presented at the Analytical Work Group meeting held on August 2.

The components of the Water Balance are shown below:

- Production volumes (corrected based on BV's review of plant data)
- Water Automatic Meter Reading (WAMR) volumes (corrected billed volumes)
 - BV's review of meter calibration results/work orders / Power BI charts
- Detroit: 2021 Retail Sales + Non-Revenue Water (NRW) developed under UoS Phase 2
- Dearborn: 2021 Retail Sale + NRW developed under UoS Phase 2
- Highland Park (UoS developed under Phase 2)
- Transmission Main Losses (UoS developed under Phase 2)

GLWA Water Balance Components	Average Day MGD					
	2016 UoS Phase 1	2017 UoS Phase 2	2018	2019	2020	2021
WAMR / Wholesale	294.0	281.3	274.1	258.9	273.6	260.8
Dearborn	14.7	12.7	12.5	12.2	12.4	11.0
Detroit	98.1	90.9	90.8	87.3	84.2	85.3
Highland Park	3.1	2.2	2.2	2.2	2.2	2.2
Transmission (incl. open blow offs)	26.5	26.5	26.5	26.5	26.5	26.5
GLWA / Common-to-all (CTA)	33.3	40.1	50.8	40.8	29.7	17.4
Adjusted System Pumpage (Total)	470	453	457	428	429	403
<i>Reported Pumpage:</i>	<i>498</i>	<i>480</i>	<i>454</i>	<i>416</i>	<i>416</i>	<i>403</i>
<i>Net System Water Loss:</i>	<i>59.8</i>	<i>66.6</i>	<i>77.3</i>	<i>67.3</i>	<i>56.2</i>	<i>43.9</i>

Key Takeaways - 2021 Water Balance:

- Six-year Water Balance Trends:
 - Declining production volumes
 - Common-to-all, Net System Water Loss lowest in 2021
- Water Treatment Plant (WTP) metering improvements:
 - First time in six years no adjustment needed to the reported volumes.
- Water Treatment Plant metering upgrades continue:
 - Waterworks WTP: In progress, planned for completion in 2025
 - Lake Huron WTP: In progress, planned for completion in 2025

PLANNING SERVICES (continued)

- Peak season 2021 was similar to 2019 (low demand summer)

GLWA conducted the second year of Retail Sales vs Wholesale Volumes analysis. GLWA, through Member Outreach, requested four (4) years of data from Member Partners, including retail sales, billing frequency, number of connections, length of distribution mains, and billing adjustments. The data sharing was voluntary with a promise to keep the results anonymous. This analysis helps flag discrepancies between wholesale volume billed by GLWA and retail sales for a given Member Partner. Please see the figure below with results that were shared with the Analytical Work Group.

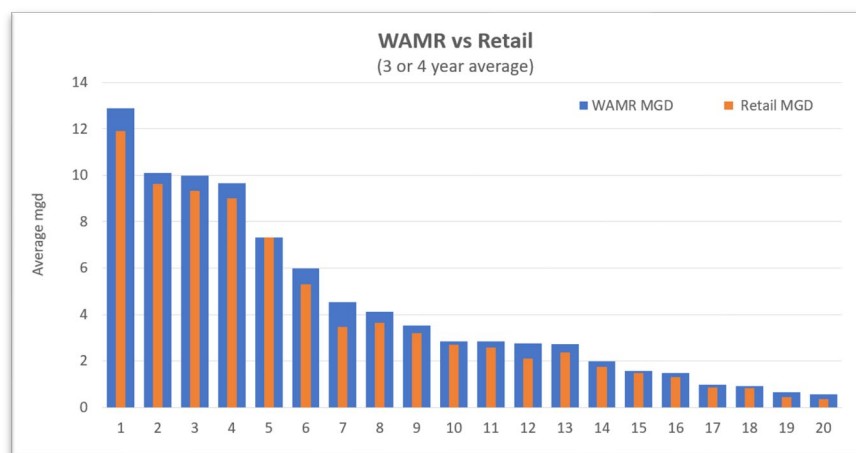


Figure: Retail Sales vs Wholesale Volumes - Anonymized Analysis

Key Takeaways – Retail Sales vs Wholesale Volumes:

- The survey represented approximately one-third of WAMR customers (by meter count and volume)
- One customer with high Non-Revenue Water (NRW) – conducting additional analytics
- One customer with almost zero NRW – conducting additional analytics
- Ongoing analytics by GLWA to identify usage anomalies
- Two examples of WAMR customers with meters replaced (right sized) leading to increased measured volumes of ~0.5 MGD (each)

WASTEWATER OPERATING SERVICES

Wastewater Operations

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

WASTEWATER OPERATING SERVICES (continued)

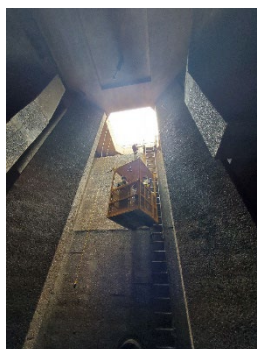
Maintenance

The Primary Team and Central Maintenance Team are working to improve safety conditions around the WRRF. A project to improve the lighting conditions in the Pump Station 2 screenings building was undertaken and is almost complete. This project replaced the old fluorescent lighting fixtures with LED, which are more cost-effective, efficient, brighter, and qualified for DTE energy efficiency rebates.

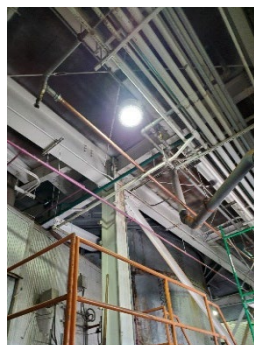


This project greatly improves visibility in the screenings building for our night-shift Plant Technicians while they are taking rounds or performing other required responsibilities. The photo shows the new LED lighting installed in the Pump Station 2 screenings area.

The Secondary Team performed an annual inspection of Aeration Deck 4. These inspections are thorough and require the Team to walk the entire internals of the aeration deck and identify needed repairs. In this inspection, it was identified that some concrete planks are damaged and require replacement. (See photos.) If not for these thorough inspections, these damaged planks would not have been identified and the strength of the top of the aeration deck would be compromised. These damaged planks have been



identified on the top of the deck to prevent the planks from being driven over. A repair strategy is underway. Annual inspections of the aeration decks are critical for identifying needed repairs.



A line providing wash water to the conveyors in Incineration sprung a leak. The Incineration Team made a focused effort to repair the leak. This line is on the 4th floor and was causing pooling on floors 1 through 3, thus leading to a potential slip hazard on the floors in Incineration. The Incineration Team underwent an effort to replace this pipe, making the environment in Incineration safer and cleaner. Shown in the photos (both shown left), a pipe leak resulted in a wet and unsafe floor in Incineration (left photo) and

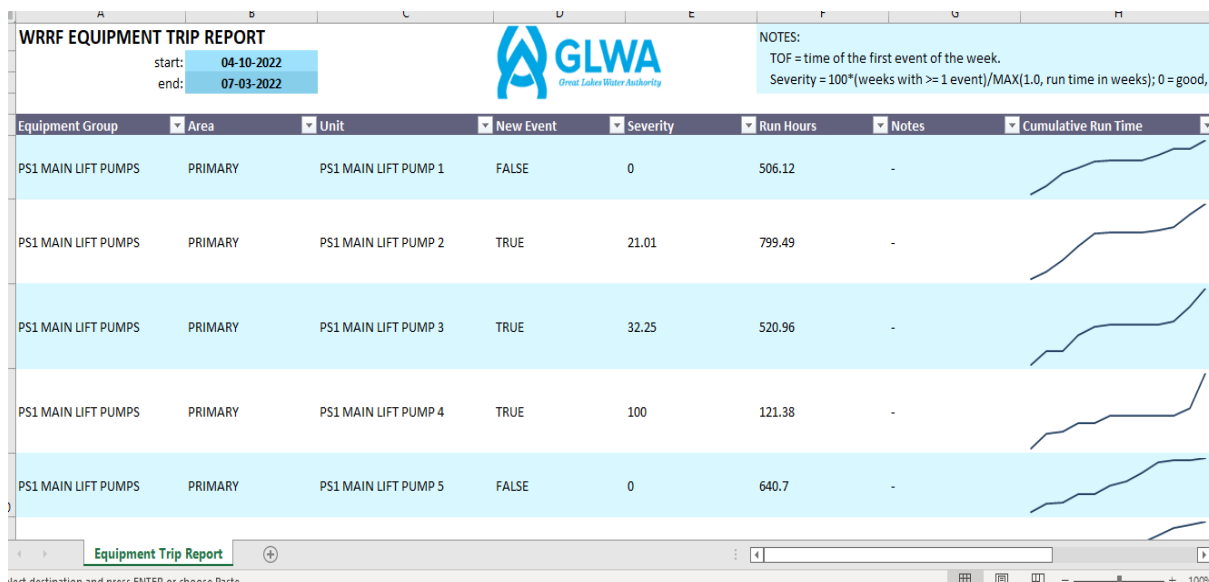
was replaced with a new copper pipe (right photo) that improves the safety condition and cleanliness.

To further advance our predictive maintenance efforts at the WRRF, the team working, along with our Process Automation and Control team, have developed a user friendly and simplified

WASTEWATER OPERATING SERVICES (continued)

Motor Trip Report. This report provides pertinent information such as number of trip events occurred, run time between events, and a visual graph to aid in quickly identifying areas of concern. The WRRF Maintenance Team will have another tool in their arsenal to mitigate problems and improve uptime.

The photo below shows the draft Trip Report.



Process Control Center (PCC)

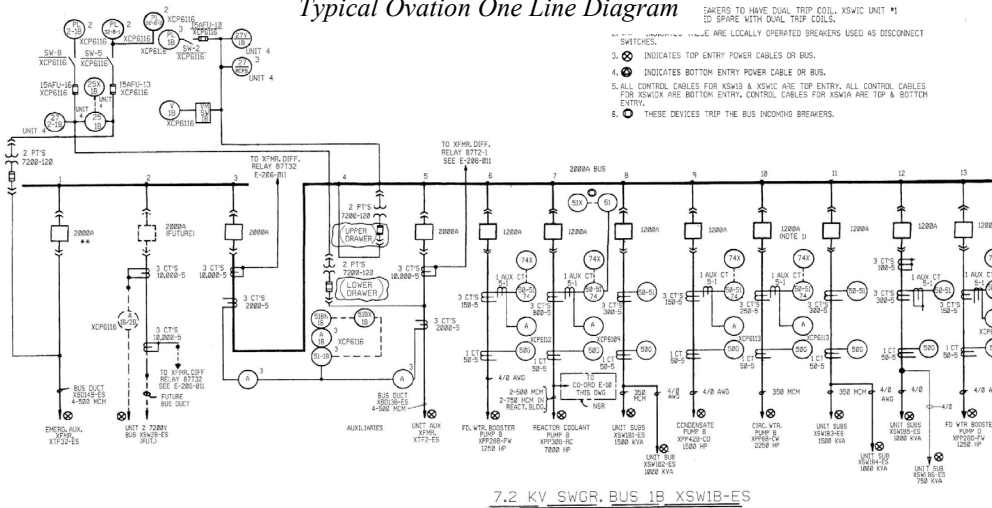
The PACS (Process Automation Controls Systems) Team received a request to provide multiple views of the electrical distribution systems at the Water Resource Recovery Facility (WRRF). The WRRF has a complex electrical system that includes 35 electrical buildings that house multiple dual ended substations that provide redundant power to the facility. These substations reduce the incoming 120,000 volts electrical supply from Detroit Edison to the proper voltage that is required for the connected equipment.

The original graphic representation of the Plant's electrical system mimics an American National Standards Institute (ANSI) one line diagram. These drawings use single lines and graphic symbols to indicate the path and components of the electrical distribution circuit.

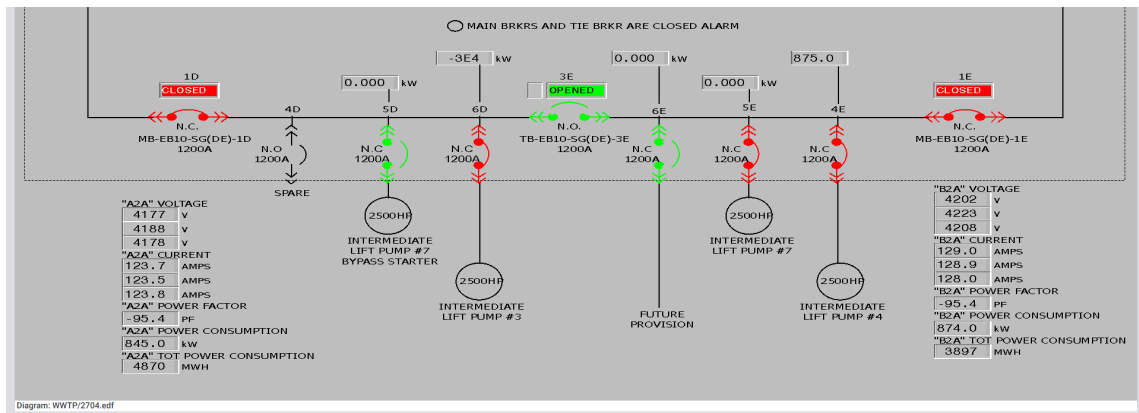
The existing graphics are a useful tool for the electricians at the plant to use. However, a desire to provide a simpler overview for use on mobile phones that would provide a broad overview of each substation was requested. The PACS Team developed a series of graphics that indicate the status of each feed for the substation and the status of the tie breaker. These graphics are sized to be easily viewed on a mobile phone.

WASTEWATER OPERATING SERVICES (continued)

Typical Ovation One Line Diagram



Typical ANSI One Line Diagram



WASTEWATER OPERATING SERVICES (continued)

Laboratory

The Lab has accomplished the following during this reporting month:

- Worked with EGLE to complete the annual Compliance Sampling Inspection.
- Training for our chemist team members is scheduled for Phosphax and Filtrax in-line phosphorus analyzers in preparation of taking on calibration and maintenance of these instruments.

Industrial Waste Control (IWC)

GLWA's NPDES permit requires a periodic review of the legal authority used for enforcement of the approved Industrial Pretreatment Program (IPP). Modifications of the legal authority were proposed and approved by the GLWA Board on November 13, 2019, which is the initial step required under the State's Utility Authority Act. Before we can submit this change in legal authority to EGLE, we must obtain a concurring resolution from our 78 constituent municipalities. As of April 30, 2021, we have received 77 of 78 completed resolutions.

A complaint was filed in the Michigan 3rd Circuit - Wayne County on April 21, 2022 for injunctive relief against the City of Highland Park. Our legal team submitted briefs and argued motions in June 2022. The Circuit Court order issued on July 22 found in favor of GLWA's position that Highland Park is required to adopt ordinance or resolutions GLWA needs to implement the IPP on an on-going basis and directed that Highland Park complete doing so within 60 days. However, the court did not agree that injunctive relief was appropriate at this time. Highland Park has filed an Appeal of the decision with the Michigan Court of Appeals.

Engineering & Construction

The following projects are in the Design or Procurement Phase:

JOC 39, Contract 2004221 - Aeration Deck Repairs.

This project which includes replacement of roof planks, concrete topping, and concrete repairs is complete. The contract will close out soon.

JOC 40, Contract 2002393 - Metering Building Repairs.

This includes Metering Chamber access hatch replacement, removable gratings, and other repairs. GLWA noted several deficiencies when the contractor appeared to have completed the work some time ago. The contractor has just begun post-construction repair work identified by GLWA at no additional cost to GLWA.

TOES 16T, Contract 2101608 - Belt Conveyor Fire Protection Study.

The final report was submitted in July 2022. As a follow-up, a new TOES will be issued for the design and construction of a pilot (fire suppression system) unit of the recommended system. Statement of work development is underway.

WASTEWATER OPERATING SERVICES (continued)

TOES 37T, Contract 2201974 – B-House Upgrades.

This replaces the current JOC 68, Contract 2100319 – B-House Reducer and Flowmeter Replacement. This project will address several problems in each of the secondary clarifier B-Houses (25 total). Problems include leakage through a concrete wall and cracked pipe (48”) at the inlet side; a corroding steel pipe increaser (48” x 72”); leakage from concrete at the outlet side; and lack of flowmeter electronics, etc. Prior repairs undertaken on more than 50% of the B-Houses in the past didn’t fix the root cause. GLWA’s evaluations determined that the B-House walls lack sufficient reinforcement at the openings and will require more than just replacement work or patching of leaks. Several delivery methods were considered, including multiple construction projects. The TOES consultant will prepare design documents that will allow work to be carried out over a long period of time, so the clarification process is not affected. The project is currently with Procurement.

Contract 2201101 - Complex II MHI #11 Miscellaneous Improvements.

This project includes four separate tasks: Task 1 - Replacement of Emergency Bypass Dampers (the original JOC 57 that was cancelled because the repairs are expected to be above the JOC threshold); Task 2 – Internal Refractory Repairs; Task 3 – Enhancement of Sludge Feed Drop Holes on Hearths 1 and 2; and Task 4 – Breech Repair. The design work is complete and is currently with Procurement. We are hoping for an advertisement by late August or early September 2022. The current work is on Incinerator No. 11 only. In the future, the same construction documents can be used for repairs on other units.

The following projects are in the Construction phase:

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

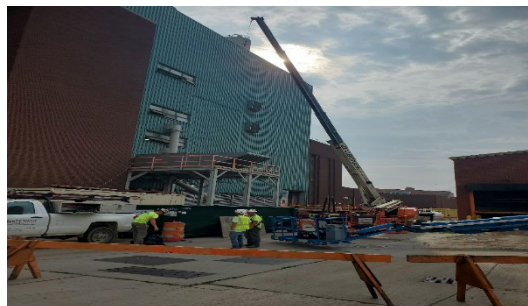
The Basis of Design Report (BODR) has been submitted by the Engineer CDM Smith and identifies 96 replacement and rehabilitation items based on risk analysis. Of the 96 items, GLWA selected 21 items that benefit operations and maintenance the most with an estimated construction budget of about \$13 million. Additional replacement and rehabilitation items may be added from the remaining 75 items. Amendment No.1 for the CDM contract for \$434,722 and Change Order No.2 for the Christman Company (Construction Manager) contract for \$596,779 were approved by the Board in July 2022. A second amendment for the CDM contract will be submitted for the additional funds needed to perform the preliminary and final designs for September 2022 Board approval.

Contract 2004735 – Design Build Contract for Incineration Complex Fire Repairs.

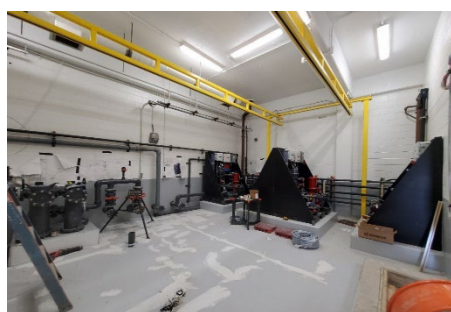
The scope of work for this project generally includes repair of fire damage resulting from the September 20, 2020 fire that occurred at Incineration Complex II within WRRF.

WASTEWATER OPERATING SERVICES (continued)

The contractor has completed all the cleaning and painting work inside the building except the small areas that are pending new siding panels installation. Subcontractor Christen Detroit is currently working on delivering the new siding panel to the site. The new siding panels installation is expected to take 2 - 4 weeks and is the only work left under this project. Contract work is about 85% complete. The photo shows subcontractor Christen Detroit unloading siding panels for the Incineration Complex II building.



CIP 216004, Contract 1802410 – Rehabilitation of various Sampling Sites and PS#2 Ferric Chloride System at WRRF. Construction is progressing at site for Package A for all the Sampling Sites and for Package B, for PS #2 Ferric Chloride system. The ML-1 (Training Building) roof platform was redesigned to meet the requirements of GLWA Security, and it is under construction. The PEAS-1 sampling system was redesigned to better serve sampling. The PEAS-1 cost proposal is under review by GLWA. The main work left for Package A is for ML-1 and PEAS-1 sampling stations. The main work left for Package B is electrical and controls work. Package A work is about 75% complete, and Package B is about 80% complete. The photo shows four Feed Pump Skids and a Dual Strainer installed in the FeCl Room.



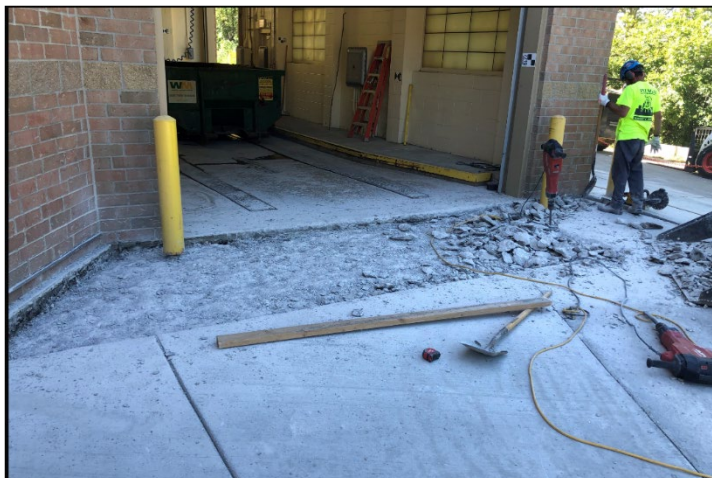
CSO Control Program

The design and construction projects in CSO include:

CIP 260614, Contract 1902224 – CSO Facilities Structural Improvements Program. Construction Change Request (CCR) - No.18 was submitted by Pullman on July 25, 2022. This CCR is under review and negotiation between GLWA and the contractor. Repairs to Baby Creek, Hubbell-Southfield, and Conner Creek have been completed. Repair work at Belle Isle and Seven Mile is anticipated to begin in August 2022.

WASTEWATER OPERATING SERVICES (continued)

A total of 30 out of 32 high-priority repairs have been completed to date for this project. See photos below for progress of repairs at Hubbell-Southfield near the headworks building.



CIP 260618, Contract 2003330 – Oakwood HVAC Improvements.

Construction work continues on this project. There is a change order forthcoming for replacement of AHU-1 which services the main electrical room as it is functionally failing. Failure would impact critical electrical equipment affecting pumping and facility operations. Design for this change was completed in August 2022 and is currently with the contractor for a change request. Installation of key equipment as part of the base contract continues.

The photos below show the progress: *Photo 1* – New supply air fan duct work is being installed at the headworks of Oakwood Facility. This allows the new supply fans to be mounted on the roof and be out of the corrosive environment to ensure a longer life span. *Photo 2* – Former odor control air intake closed (square in distance). This vent, when open, allowed the odor control system intake to pull sewer gas directly up into the pump room. Now that it is closed, gases will be pulled in through the wet well area, keeping them from coming up into the pump room. *Photo 3* – The crane and ceiling have been recoated in the pump room, stopping the corrosion. The new ventilation makeup should prevent it from returning under normal operating conditions.



Photo 1

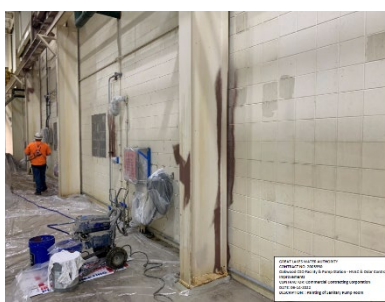


Photo 2

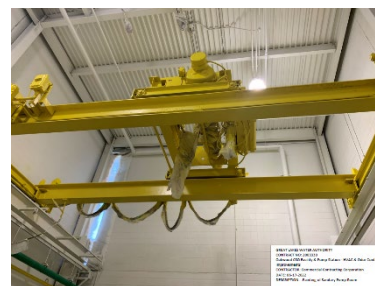


Photo 3

WASTEWATER OPERATING SERVICES (continued)

CIP273001, Contract 2103225 – Hubbell-Southfield Facility Improvements.

This contract went to Procurement in July 2022. We anticipate a formal advertisement sometime in August or September 2022. This includes the design of a new or revised flushing system, a new chemical feed system, and various other facility improvements that are identified in our CIP documents.

CIP 277001, 1902908 – Baby Creek Sediment Removal Project.

Primary negotiations have been completed with the contractor, and this project is headed to the Board in August 2022 for approval. We anticipate a notice to proceed being issued sometime in September or the latest, October 2022.

Contract 2103706 - 2023 Task Order Engineering Services Contract.

A total of 12 proposals were received for this contract and are currently under review by the evaluation team. We anticipate a determination between September and October 2022 of the selected vendors and then taking it to the Board for approval in December 2022. The start date of this contract will likely be in February or March of 2023. All new TOES tasks after this point will be directed to the new set of selected vendors, and a final change order for the first TOES contract will also come before the Board at the same meeting. Then, we will provide a final extension to that contract which coincided with all existing tasks and ensuring existing TOES vendors have the allotted times to complete all existing tasks.

WATER OPERATIONS

Springwells Water Treatment Plant

High Lift Diving Restores Valve Functionality

Six 84” double disc gate valves in the Springwells High Lift are intended to isolate portions of the pump suction conduits for dewatering and other work. These valves are original to the 1930s construction of the High Lift, but see infrequent service. During previous isolation attempts, it was determined that these valves were not providing the needed isolation.

Replacement of these valves would have been costly, disruptive to plant operations, and time prohibitive, so another solution was required. Under Contract No. 1900134 “Springwells Water Treatment Plant Low Lift Pump Suction Gate Replacement,” a Construction Change Directive (CCD) was approved to have the vendor inspect the valves and clean the guides and seats to get them to seat again. This work in the High Lift could be done without shutting down the entire station, allowing it to be performed after the winter-only work in the Low Lift was complete.

The inspection of the gates showed that tuberculation and build-up in the seats and other hardware was preventing the gates from fully seating; removing this material allowed the gate to close further, seating against the valve body.

WATER OPERATIONS (continued)

With valves that seat again (and regular exercising of the valves), these valves will be able to work for many more years and will be important for the replacement of the High Lift pumps currently under design under Contract No. CS-103 “Springwells Water Treatment Plant Low and High Lift Pumping Station Improvements.”



Pictured left to right:

- *View of diver inspection showing 3” gap between valve disc and body.*
- *View of same valve after cleaning showing a 0.0015 feeler gauge not passing in between sealing surfaces.*
- *View of the same valve being installed during original construction.*

Springwells Chlorine Drill

The Springwells Plant performed an evacuation and chlorine leak response drill. The evacuation drill included participation by all staff on site including contractors. The chlorine leak response drill was performed simulating the number of staff that would be expected to respond to a leak in the evening or weekend shifts.



Springwells staff during evacuation drill

The response team consisted of an incident commander Al Wilson (Operations Team leader), first entry team of Steven Gorcy (Chemist) and Camille Williams (Water Technician), second entry team of Deouynya Hill and Dondi Griffin (Maintenance Technicians), and decontamination team Karone Law (Maintenance Team Leader) and David Joshua (Maintenance Planner). Observers watched the response to identify where the response team was strong and where improvements were needed.

The first entry team donned self-contained breathing apparatus (SCBA) tanks and masks and Level A fully encapsulated suits before making entry into the Chlorine Storage Room to find the simulated leak. After finding the hypothetical leak, the first entry team exited and headed to decontamination while the second entry team entered to install a B Kit isolation device on a dummy chlorine ton container end. All members of the team performed their roles well, reflecting the expertise and routine training of our staff.

WATER OPERATIONS (continued)



First entry team walking into Chlorine Storage Room



Second entry team installing B Kit device on tank end

Water Quality

Water Quality Parameters Update

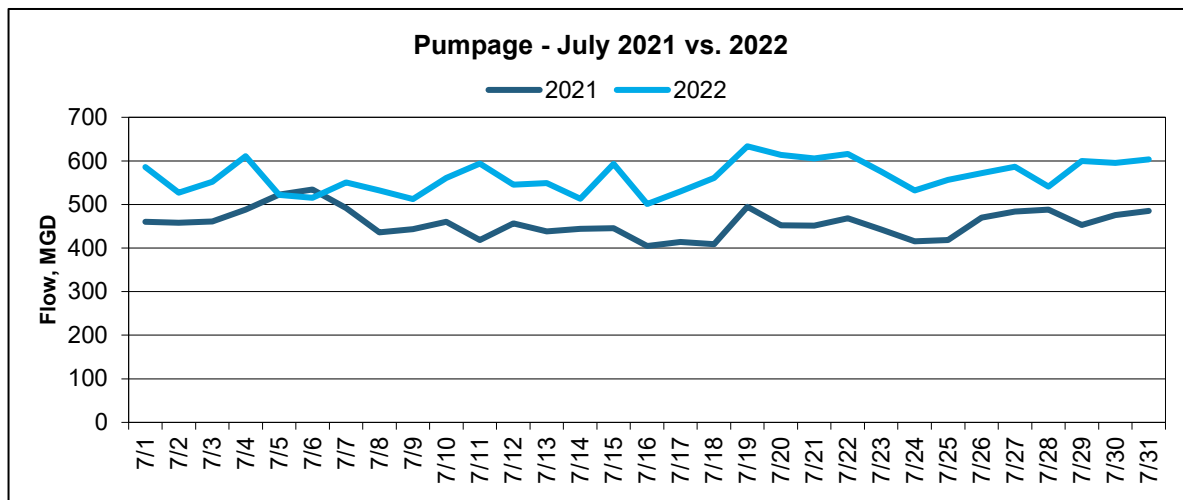
Michigan Department of Environment, Great Lakes, and Energy (EGLE) has set a new standard on collecting water quality parameter samples used to monitor the effectiveness of GLWA's corrosion control treatment in the water distribution system. The focus of regulation has been put on the pH and *ortho*-phosphate in GLWA's member partner's distribution system. The minimum acceptable pH is 7.0 which is neutral on the pH scale, and the minimum for *ortho*-phosphate is 0.9 mg/L. *Ortho*-phosphate is used as the corrosion inhibitor for finished water to prevent homeowner's lead pipes from leaching lead into their drinking water. If a parameter is below the minimum threshold, an investigation in that community to fix the issue will be addressed by the community with the help of GLWA. Each day that a community has low results of pH or *ortho*-phosphate, it is an excursion day for that community until the issue is corrected. Water Quality investigators collect close to 800 water quality parameters each quarter. Fantasa Teasley (*pictured right*) is dropping off her water quality parameters samples for the day.



WATER OPERATIONS (continued)

Systems Control Center (SCC)

July 2022 pumpage was 19% higher than July 2021



Engineering

Contract No. 1900744 – Reservoir Rehabilitation Construction Contract at Imlay Station, Lake Huron, Springwells and Southwest Water Treatment Facilities.

The reservoir rehabilitation program continues to progress through the summer months. Final completion of the ongoing repairs and updates are taking place at the Imlay Pump Station and the Lake Huron Water Treatment Plant. This fall/winter will be very busy with the completion the last 3 of 10 reservoirs in Phase I at Lake Huron, Southwest, Springwells. Additionally, exterior inspections will be taking place at 15 reservoirs under Contract No. 2100236 at Water Works Park, Northeast, and select booster stations with the goal of getting a construction package on the street for bidding in early 2023. The project continues to stay on track for budget and time and relies on the dedicated team member support by Field Services, Water Quality, plant staff and Security. The next phase of the reservoir rehabilitation program, Phase II, has a signed contract as of July 12.

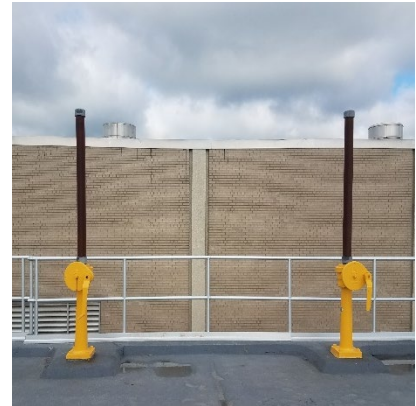
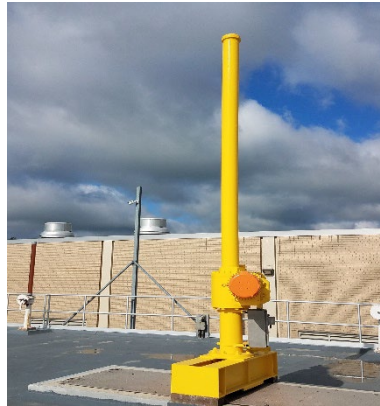


Lake Huron WTP reservoir access hatch BEFORE



Lake Huron WTP reservoir access hatch AFTER

WATER OPERATIONS (continued)



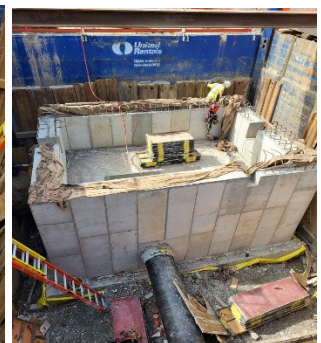
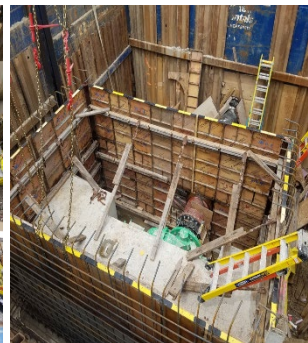
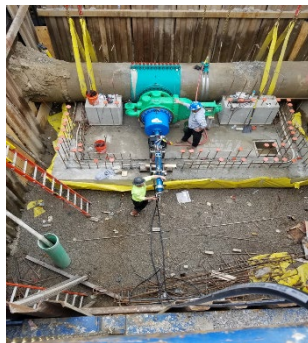
Pictured left to right:

- *Operator Valves at the Imlay Pump Station BEFORE reconditioning and painting*
- *AFTER - Freshly painted and reconditioned operator valves at the Imlay Pump Station*
- *Freshly painted operator valves at the Imlay Pump Station*

Contract No. 1903312 – 14 Mile Transmission Loop Project – Phase 1.

Phase I involves installation of approximately one mile of 24-inch diameter water transmission main parallel to the existing 42-inch main along 14 Mile Road between M-5 and Decker Road.

The project includes new redundant feeds to master meters WA-01, NV-04, and CM-01. To date, all of the 24-inch water transmission main has been installed and placed into service. Additionally, all connections to the indicated water master meters have been completed with the exception of NV-04 which is scheduled to be complete in October 2022 during low demand followed by closeout of the contract.



Pictured left to right:

- *West Connection valve vault complete, backfilling activities ongoing, west bound lane of 14 Mile Road poured and curing.*
- *Contractor performing 24" hot tap of the in service 42-inch transmission main at the West Connection near Decker Road.*
- *Complete: 24-inch valve install, hot tap of existing 42-inch, connection of 24-inch main to 42-inch main, encasement of 42-inch inside valve vault. Ongoing: Forming of West Connection valve vault walls*
- *Completed West Connection valve vault walls. Remaining work consists of forming and pouring removable roof and water proofing of the structure.*

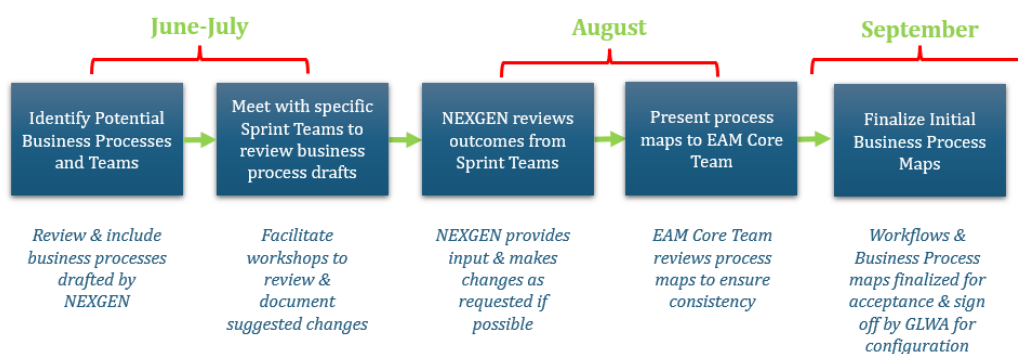
INFORMATION TECHNOLOGY

In the past month, the IT Security Team has proactively blocked or thwarted 13,422 spam messages, 8,244 spoofed messages and one virus. Additionally, 571 phishing attempts have been caught and 638 malware attempts have been blocked.

The IT Business Productivity Team, in conjunction with the Financial Services Area, has completed release 2 of Tagetik, which is our financial analysis and reporting tool. Release 2 included several new and enhanced reports and streamlines the process of producing financial information for decision makers.

The IT Infrastructure Team, in conjunction with IT Enterprise Asset Management (EAM) Systems, completed upgrades to all Linux servers and Oracle databases to the latest versions. This effort allows GLWA's applications, such as Work and Asset Management (WAM) and the GDRSS and WAMR Portals that run on these servers and databases, to remain stable and secure.

The IT Enterprise Asset Management Systems Team along with our vendor partner, NEXGEN, have mapped 34 draft business processes for operations, maintenance, and inventory warehouse workflows. These workflows will streamline asset management efforts by team members and contractors in using the NEXGEN EAM software efficiently and consistently across GLWA. The business process workflows will be finalized by the end of September along with the draft System Implementation Plan. NEXGEN configuration will begin in the fall.



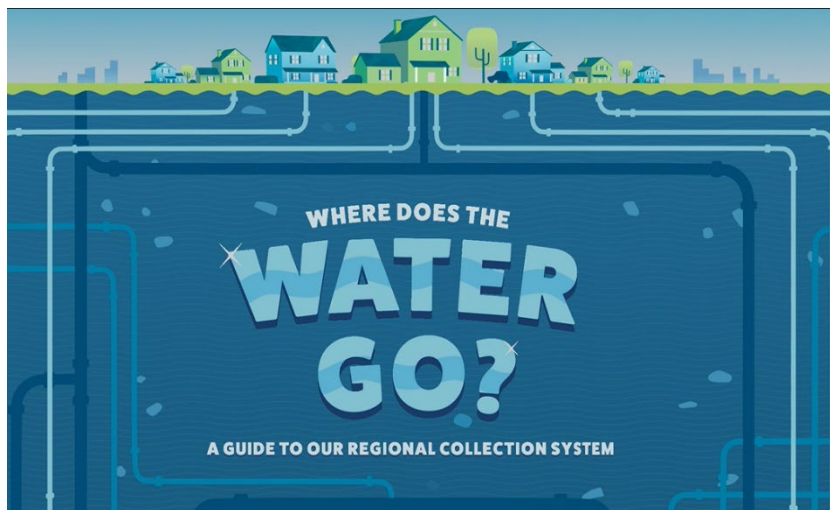
NEXGEN EAM business process mapping roadmap.

Currently, the IT PMO is managing 20 active projects and is processing eight project requests.

PUBLIC AFFAIRS

Wastewater Video Distribution

In an effort to distribute GLWA's new animated video educating the public on how our regional collection system works, we have reached out to more than 60 southeast Michigan communities requesting that they air the video on their community cable stations, and/or post it on their websites and social media. To date, Ann Arbor, Beverly Hills, Ferndale, Independence Township,



Lathrup Village, Mount Clemens, Northville, Northville Township and Shelby Township have responded with plans to use the video. Communities were provided with the long form video, and also a version broken down into multiple sections to make sharing easier.

You can watch the video by clicking [HERE](#).

Lake Huron Buoy Launch

Public Affairs supported a launch event for GLWA's second water quality monitoring buoy at Lake Huron Water Treatment Facility. The event featured LimnoTech consultants giving a presentation and Q&A on the buoy along with use of the software to collect data. Directly following the event, LimnoTech and GLWA deployed the buoy into Lake Huron near GLWA's intake. Public Affairs also created a One Water News Drop video on the event. It features



video from the event and launch, along with interviews from Lake Huron Water Treatment Facility Plant Manager Chris Steary, Energy, Research & Innovation Management Professional Andrea Busch and LimnoTech senior engineer Ed Verhamme. You can watch the video by clicking [HERE](#).

PUBLIC AFFAIRS (continued)

Open Enrollment Campaign – Team Member Photos



Public Affairs once again teamed up with Organizational Development to help prepare for the upcoming 2023 Open Enrollment. Public Affairs has gathered 25 photos of team members for use in the 2023 One Water Wellness Open Enrollment Guide. The photos help show how GLWA's health and group benefits support the time spent with our loved ones.

Young Professionals Network

Now that GLWA has fully reconstituted from the COVID-19 pandemic, Public Affairs is re-launching the Young Professionals Network (YP). An email has been sent gauging interest in the group and is an opportunity for team members to learn more. There is also a survey attached to the email to help guide future YP initiatives and activities to make sure they are meaningful, beneficial and fun.

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 152 hours of training during the month.

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

The Group participated in an EPA lead exercise on Radiological Stormwater.

Specialist Wright and K9-Delta were certified by the ATF as a certified bomb search team.

Lastly, the group conducted a Ready-Op readiness drill on July 12 – 15 at WRRF.

ORGANIZATIONAL DEVELOPMENT

Performance

The annual performance final reviews were completed in June. Merit adjustments were effective July 1 and are being processed in two groups. The first group, representing over 90% of GLWA team members, received their adjustments on the July 29 pay. The second group of team members are scheduled to receive their adjustment on the September 9 pay. Regardless of the process date, all merit adjustments are retroactive to July 1, 2022.

The annual Baseline Goal Planning Review was launched in June. Leadership team members and team members meet during this review period to discuss goals for the new fiscal year.

Apprenticeships

GLWA currently has four apprenticeship programs:

Apprenticeship	# of Apprentices
Electricians	16
Maintenance Technicians	2
Water Technicians	7
Information Technology	1

Electricians (EICT-E)

The electrician apprentices have completed the electrical apprenticeship renewal application process for the State of Michigan and the City of Detroit Building and Safety Electrical Engineering. All submitted renewal applications have been approved.

Maintenance Technicians

The maintenance technician apprentices have entered their final year. They will attend Macomb Community College this fall as guest students to complete their plumbing courses.

Water Technicians

The water technicians are attending classes at Macomb Community College and are learning on the job from seasoned water technicians and team leaders.

Information Technology

The IT apprentice is working with the Application Analysts to learn GLWA's processes and to assist with project completion.

ORGANIZATIONAL DEVELOPMENT (continued)

Internship

The Summer Interns are assisting with project completion as they learn GLWA culture and processes. Some of the current projects:

- Lab tests and analysis on different types of water and water quality
- Troubleshooting waste treatment system
- Surveying businesses in Grosse Pointe for water meters to test copper levels
- Cost Curve analysis and comparing data to PMs

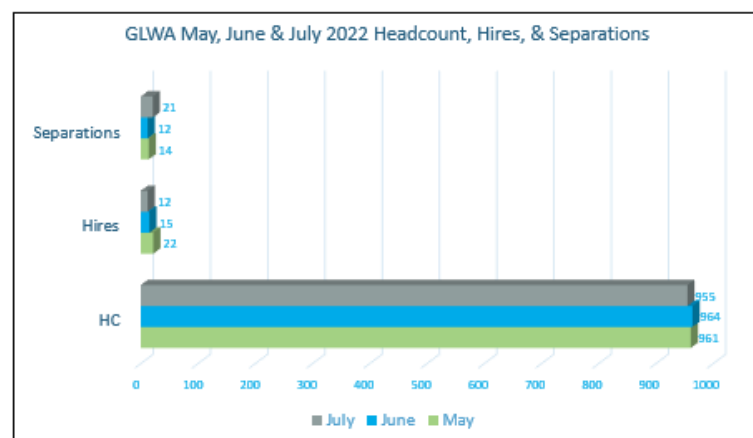
Talent Management

Staffing

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

Number of New Hires	12
Number of Separations	21
Total Staffing - Regular FTEs (YTD)	955

Organizational Development



**Headcount is as of month end*

ORGANIZATIONAL DEVELOPMENT (continued)

Benefits and Wellness

CHUBB® Chubb Long-Term Care + Life Insurance Benefits

A special enrollment was held for eligible team members to enroll with guaranteed acceptance for Chubb Long-Term Care and Life Insurance Benefits. The Chubb program offers two benefits in one policy. Permanent life insurance protection for your family and long-term care protection if you happen to need care. If a GLWA team member becomes chronically ill, their policy will pay them 4% of their selected life insurance amount each month they receive Long Term Care (LTC). They will have access to 3x of their life insurance amount to help pay for LTC services. Should they recover, the balance of the LTC policy converts back to life insurance.

MissionSquare Retirement Plan Specialists hosted education sessions on-site and virtually at the Conner Creek CSO Basin and Lake Huron Water Plant. Retirement Plan Specialists also held one-on-one consultations with team members to review their individual goals and portfolio performance.

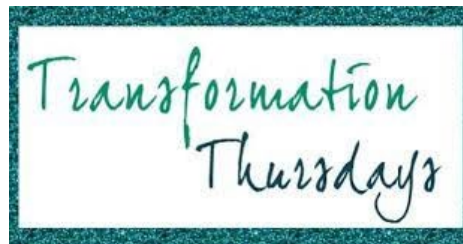


Blue Cross Virtual Well-BeingSM



Transformation Thursdays Drop 5 Virtual Weight-loss Community

The One Water Wellness team continued Transformation Thursdays supported by the Blue Cross Blue Shield of Michigan (BCBSM) Drop 5 Virtual Weight-loss Community. The Drop 5 Community provides health-related resources to team members and celebrates scale and non-scale victories. August topics to encourage healthy living were: The Importance of Physical Activity for Seniors; Skin Care Health with Sara Wilchowski, MS, PA-C; September Plant-based Meal Challenge; How Silence Can Improve Your Well-Being; Fiber and Gut Health.



Training

During the month of **July**, **91** GLWA team members completed **18** safety courses and **10** non-safety courses for a total of **224.5** instructor-led training hours. Also, five Member Partners and **19** GLWA team members completed **39** online 360Water courses.

FINANCIAL SERVICES AREA

August 2022 Audit Committee Recap

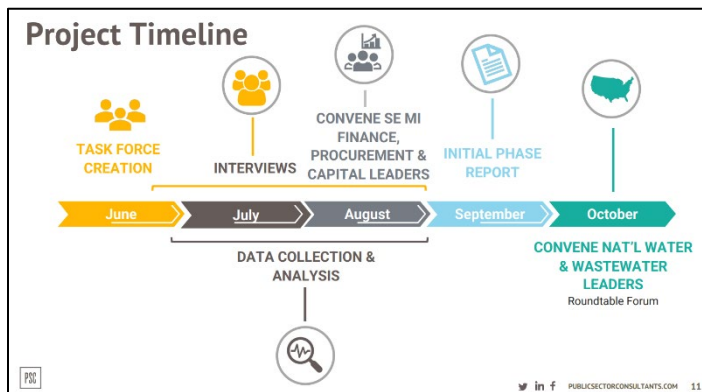
The next Audit Committee meeting will be held on Friday, August 26, 2022. The GLWA Audit Committee binders are publicly available at www.glwater.org.

Economic Outlook Task Force (EOTF) Activity

This summer, GLWA Financial Services along with the Capital Improvement Planning team initiated the formation of a special task force made up of GLWA experts, external consultants, and peer utilities to review current supply constraints and sharp increases in demand that are resulting in unprecedented cost increases for most organizations

across the country. The goal of this group is to assist GLWA in better understanding the current situation for GLWA's capital and operations & maintenance spending as well as recommend approaches to mitigate these trends.

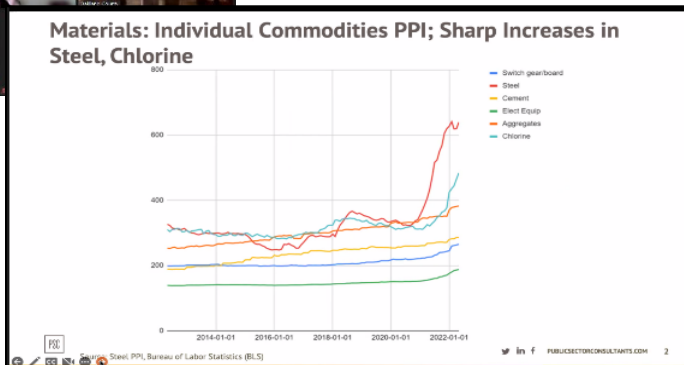
The task force has broken this project into several phases with their first major deliverable a regional meeting with finance, procurement and capital leaders on Wednesday, August 8.



The August 8 roundtable was well-attended with over twenty participants engaged in a productive discussion highlighting not only challenges faced but also many possible

short-term and long-term ideas to help counter some of the recent economic and logistical impacts on construction and maintenance costs.

The EOTF will now shift gears to begin drafting a report summarizing their findings and recommendations to share with regional and national industry leaders.



FINANCIAL SERVICES AREA (continued)

Affordability & Assistance Update

Affordability & Assistance Manager, Madison Merzlyakov, attended the AWWA Transformative Issues Symposium – Embracing Our Differences in early August. The symposium’s focus was diversity, equity, and inclusion. Ms. Merzlyakov participated in a pre-conference workshop titled, “So, you want to be an effective ally?”. The workshop focused on why allyship is an important, understanding conflict, and situational awareness. Another session that was of particular interest was the “Affordability & Equity” session. Three different utilities spoke on their experiences and lessons learned regarding financial assistance programs, equitable service levels, engaging diverse stakeholders and using technology to make an impact on affordability. The Affordability & Assistance team is eager to dive deeper into some of the practices highlighted at the conference and incorporate them where appropriate.



Separately, the GLWA Board-approved improvements to the Water Residential Assistance Program (WRAP) are well underway. A [document](#) that provides an overview of the program improvements, as well as a [draft](#) approach to the WRAP Income Based Plan (IBP) have been posted and recently shared with GLWA members and stakeholders to solicit feedback.

The newly formed Member Partner WRAP Advisory Panel will have its first meeting on Tuesday, August 23, 2022. Participants will engage in discussions evaluating the WRAP improvements, as well as explore other ways to ensure the program is accessible and successful. To learn more email WRAP@glwater.org.

Finally, GLWA is supporting the office of the Oakland County Water Resources Commissioner (WRC) as they rollout their Affordability Plan to the City of Pontiac & the Charter Township of Royal Oak at Townhall meetings in August. As WRAP plays a vital role in their plan,



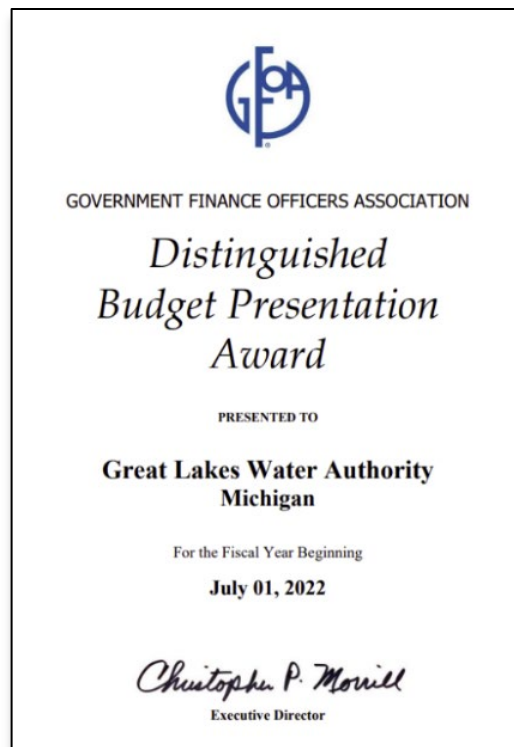
representatives from the Affordability & Assistance Team, as well as current service delivery partner for Oakland County, Wayne Metropolitan Community Action Agency (Wayne Metro) have attended the townhall meetings to answer any questions related to WRAP.

FINANCIAL SERVICES AREA (continued)

GFOA Distinguished Budget Award

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

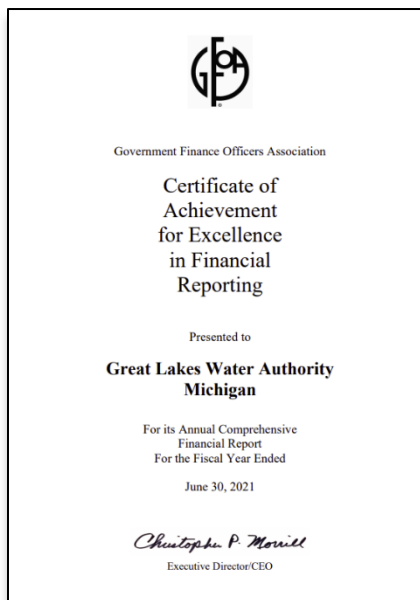
- a policy document
- a financial plan
- an operations guide
- a communications device



Budget documents must be rated "proficient" in all four categories, and in the fourteen mandatory criteria within those categories, to receive the award. There are over 1,700 participants in the Budget Awards Program. The most recent Budget Award recipients, along with their corresponding budget documents, are posted quarterly on GFOA's website. Award recipients have pioneered efforts to improve the quality of budgeting and provide an excellent example for other governments throughout North America.

FINANCIAL SERVICES AREA (continued)

GFOA Certificate of Achievement for Excellence in Financial Reporting



GLWA's Financial Services Area was also recognized in August for their role in preparing the annual comprehensive financial report (ACFR) and received GFOA's Certificate of Achievement for Excellence in Financial Reporting to acknowledge their accomplishments. The GFOA established the Certificate of Achievement for Excellence in Financial Reporting Program (Certificate Program) in 1945 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 Certificate of Achievement is the highest form of recognition in

governmental accounting and financial reporting. This is the third year in a row GLWA has been recognized with this award.

Procurement Pipeline

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

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

Respectfully submitted,


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

SRC/dlr

Attachments

- August Procurement Pipeline
- General Counsel August Report

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

New! Business Inclusion and Diversity (B.I.D.) Program Year-in-Review Report Now Available

In November 2020 the GLWA Board of Directors approved the Business Inclusion and Diversity (B.I.D.) Program which was launched in February 2021. The goal is to maximize opportunities for small, minority-owned, and disadvantaged businesses within GLWA's service area. The B.I.D. Program inaugural Year-in-Review Report provides a comprehensive review for the first full year of the B.I.D. Program. It is now available on the [GLWA Vendor Webpage](#). To view the full Report please [click here](#). Highlights include:

- As of June 30, 2022, GLWA has awarded 34 contracts totaling \$340 million under the B.I.D. Program requirements;
- GLWA has reviewed 145 Vendor Diversity Plans that documented efforts to maximize the participation of small, minority-owned, and disadvantaged business enterprises in GLWA's procurement process;
- Of the 34 awarded B.I.D. procurements, 88% of vendors had a business presence in the state of Michigan, 82% in GLWA's service area, and 52% in a disadvantaged municipality within GLWA's service area; and
- Of the 34 awarded B.I.D. Procurements, 65% of vendors held diversity certifications as Disadvantaged Business Enterprise (DBE), Small Business Enterprise (SBE), Woman-Owned Business Enterprise (WBE), or Minority-Owned Business Enterprise (MBE), totaling over \$121.0 million.

GLWA continues to refine B.I.D. Program business processes, conduct internal team member training, develop communication materials, and attend outreach events to support and educate the Vendor Community about the B.I.D. requirements.

Coronavirus Update #167 Part 2: Masks Now Required at ALL GLWA Facilities

On August 1, 2022, GLWA issued [Coronavirus Update #167 Part 2](#) to the Vendor Community, indicating that counties where staffed GLWA facilities or project worksites were "RED" on the Centers for Disease Control and Prevention (CDC) [Community Levels](#) list. As stated previously in [Coronavirus Update #159](#), this means that ***face masks will be required for all GLWA Vendors providing onsite services at GLWA facilities or project worksites, regardless of their location, until further notice.*** Any questions regarding GLWA's COVID-19 Safety Protocols, should be directed to [Michael Lasley](#) and [Megan Savage](#).

Virtual Vendor Introduction Meetings

If you are interested in learning more about doing business with GLWA, contact us at GLWAVendorOutreach@glwater.org to schedule a virtual vendor introduction meeting. Topics include information on submitting a competitive bid or proposal to a GLWA solicitation, as well as the requirements for GLWA's Business Inclusion and Diversity (B.I.D.) Program.

Keeping up with GLWA

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

What's Coming Down the Pipe?

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

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

Visit GLWA online!

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

Upcoming Solicitations August 2022

Category	CIP #	Description/Project Title	Budget Estimate
Water System (next four to nine months)			
Construction	170802	Reservoir Rehabilitation Construction Services Phase II at Waterworks Park, Northeast, and Booster Stations	\$35,972,000
Construction	114002C	Springwells WTP Low and High Lift Pumping Station Improvements	\$133,000,000
Wastewater Systems (next four to nine months)			
Construction	260802	WRRF Roofing Improvements	\$4,300,000
Construction	232002	Freud Pump Station Improvements	\$75,000,000
Design	270001	Pilot Netting Facility	\$1,500,000
Design-Build	261001	WRRF Rehabilitation of Secondary Clarifiers	\$6,000,000
Water System (next three months)			
Construction	114017	Springwells WTP 1958 Flocculator Replacements	\$22,000,000
Materials & Equipment	114002E-G	Springwells WTP Pumping Unit Procurement Package (Contract E thru G)	\$57,000,000
Materials & Equipment	114002H-J	Springwells WTP Process Valve Procurement Package (Contract H thru J)	\$14,000,000
Wastewater (next three months)			
Construction	260903	WRRF Front Entrance Rehabilitation	\$3,300,000
Construction	O&M	Plumbing Shop Rehabilitation	\$1,500,000
Projects moved to Procurement Team (Preparing for solicitation on Bonfire)			
Engineering Services	260210	Rehabilitation of GLWA Sewers; Ashland Relief, Linwood, Lonyo, Second Avenue, and Shiawassee	\$6,900,000
Construction	211006	Pump Station #1 Screenings Building HVAC Improvements	\$1,200,000
Design-Build	212008	Aeration Decks 1 & 2 RFP (invite to RFQ selected teams only)	\$74,000,000
Construction	O&M	Incinerator #11 Rehabilitation	\$3,000,000
Construction	260206	Rehabilitation of Joy Road & Brush/Bates Sewers	\$16,000,000
Design-Build	273001	Hubble Southfield Facility Improvements	\$8,554,480

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

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

OFFICE OF THE GENERAL COUNSEL'S MONTHLY REPORT

- ***Legislative Updates:*** The Office is also monitoring infrastructure spending bills at the federal and state level.
- ***Gordie Howe International Bridge:*** GLWA submitted its relocation reimbursement request to MDOT and received MDOT's response. GLWA is appealing MDOT's decision.
- ***June and July Rain Events:*** The Office is providing legal support in response to the significant rain events in June and July. To date, 13 lawsuits were filed against GLWA related to the rain events.
- ***Trenton Water Main:*** The Office is negotiating the transfer of the 24-inch water main to GLWA.
- ***Contract Negotiations:*** GLWA will attempt to secure long term contracts with all communities that are not on the model contract. The Office is working with member partners to draft a new model sewer contract. Office staff completed the Designated Management Agreement with SEMCOG. The water contract negotiation team has started the 2022 contract alignment/reopener process for all 84 member partners plus Detroit. Negotiations started successfully on March 17, 2022 and continue through October.
- ***Environmental and Workplace Safety Compliance:*** The Office continues to work with the COO and team leaders from both the water and sewer systems to comply with regulations and to respond to any alleged violations.
- ***Record Retention Policy:*** The Office is drafting a record retention policy for GLWA.
- ***Industrial Pretreatment Program:*** The Office continues to work with the Industrial Waste Control ("IWC") Group and external stakeholders on finalizing and implementing an updated IPP. To date, 99% of the communities have passed a concurring resolution and GLWA made a presentation to the City of Highland Park's City Council, which is the only community that has not passed a concurring resolution. GLWA filed a Complaint for Declaratory and Injunctive Relief to require Highland Park to adopt the concurring resolution. The Court ordered the City of Highland Park to adopt the rules. The City of Highland Park has appealed the decision. The Office also continues to provide assistance on PFAS and PFOS matters.

- **Real Estate:** The Office is negotiating easements related to support the Baby Creek CSO infrastructure improvement project. The Office is negotiating the acquisition of property for the Newburgh pump station. The Office is negotiating easements related to 96" watermain relocation and the Woodward Sewer Project. GLWA also closed on the purchase of parcels related to Freud Pump Station and Ashland and Fox Creek Interceptor improvements.
- **Member Outreach:** The Office continues to be an active participant in Member Outreach sessions.
- **Main Relocations:** The Office continues to support water operations in its discussions with community stakeholders regarding water main relocations.
- **Civil Litigation and Arbitrations:** The Office continues to vigorously defend actions against GLWA, including a class action lawsuit regarding IWC charges. GLWA received a favorable ruling against Highland Park in the 2020 litigation. Highland Park made monthly payments pursuant to the recent decision in the 2020 litigation in June 2022. The hearing date on the 2014 appeal occurred on August 10th. A link to the audio from the hearing can be found at: https://www.courts.michigan.gov/4a28ee/siteassets/case-documents/uploads/coa/public/audiofiles/audio_357040_08102022_102129.mp3
- **Labor Relations:** The Office continues to provide legal advice to Organizational Development on labor relations and employment matters.
- **Procurement:** The Office continues to assist GLWA's Procurement Team negotiate contracts, change orders and amendments and interpret contractual provisions. The Office is also assisting with the Procurement Policy's Procedures and updating GLWA's template contracts. The Office is part of a cross-functional team working to complete significant revisions to the GLWA construction contract, including consideration of using an entirely new contract format.

Statistics:

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Contracts approved as to form:	77
Contracts drafted or revised:	127
Subpoenas/Information requests received:	6
Subpoenas/Information responded to:	5