



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

February 26, 2021

The Honorable
Board of Directors
Great Lakes Water Authority

Dear Chairperson Zech and Directors:

Regarding: CEO's Report – February, 2021

GLWA continues to maintain its efforts to respond to the COVID-19 pandemic even as we have seen the number of active cases in Michigan decline dramatically in the last month. Last month I reported to you on our partnership with the City of Detroit to arrange for access to vaccinations for our emergency and on-site team members. I am pleased to report that approximately 400 of those eligible team members have taken advantage of this opportunity and are in the process of receiving their first or second dose of the vaccine. We also performed a second round of testing for emergency and on-site team members and will continue to periodically test our team as conditions warrant. GLWA has prepared a knowledge assessment training regarding COVID-19 for all our team members which was rolled out to the team. The early results indicate that our team understands the COVID-19 pandemic and is well versed in the appropriate preventative measures to take to mitigate exposure risks. As we celebrate this broad knowledge within the team, it's only appropriate to mention that this month we issued our 100th internal communication regarding the COVID-19 pandemic and our response to the new challenges that have come with it.

Last month as my report kicked off the start of our fifth year of operations, I noted the recently finalized nearly two-year collaborative effort with our member partners and other regional stakeholders to produce a first of its' kind Wastewater Master plan that mark a sea change with a regional approach to setting and accomplishing goals. This month I point to our public announcement of the first tangible outcomes of the regional thinking approach that has resulted - a three-project collaboration with Oakland County and the City of Detroit to improve water quality. The three projects, with an investment of \$68 million, are aimed at eliminating 48 million gallons of untreated wet weather discharge from flowing into the Rouge River each year. A virtual media roundtable was conducted on February 10 with subject matter experts from all three entities providing details of their projects. The vast majority of the media coverage of the event (which you can find links to in the Public Affairs section of this report) focused on the uniqueness of the collaboration between the parties, and how working together can be a greater benefit to the region. As Oakland County Water Resources Commissioner Jim Nash said during in the media roundtable, "We are now thinking differently and working together to protect the public health and natural resources of our region. The Evergreen-Farmington Sanitary Drain project is a lasting example of regional collaboration at its finest. The MOU shows that we're working across county lines to discover a single solution to address multiple regional concerns."

And finally, Michigan has approximately 35,000 licensed attorneys. Each year Michigan Lawyers Weekly receives nominations from across the state and selects a class of those nominees to be honored at Up & Coming Lawyers. We are pleased to report that this year, GLWA's Associate General Counsel Sarah Ahn was selected and honored during a virtual celebration on December 8, 2020. Sarah was the only attorney in public service that received the award.

PLANNING SERVICES

Asset Management (AMG)

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) is currently soliciting applications for Drinking Water Asset Management (DWAM) Grants. The grants will be awarded for water asset management plan development or updates, and/or distribution system materials inventory with the maximum grant amount of \$1 million per applicant without matching contributions from the requestor.

Because GLWA is currently under contract with Jacobs to perform a water asset management plan and the scope of services align very well with the intent of the DWAM grant, the entire scope for those tasks that directly relate to EGLE's grant parameters have been included in our application. In addition, several additional tasks were identified related to increased visual condition assessment, asset auditing and asset tagging for GLWA's water assets.

The Asset Management Group submitted the grant application in December 2020 to meet the first round of review and approval. GLWA pursued grant funding in the amount of \$998,047 for these tasks. If approved, the grant contribution would offset approximately \$740,000 of the existing contract expenses. The grant will be reviewed and approved on a first come, first served basis with the expected notification of award to be made in April 2021.



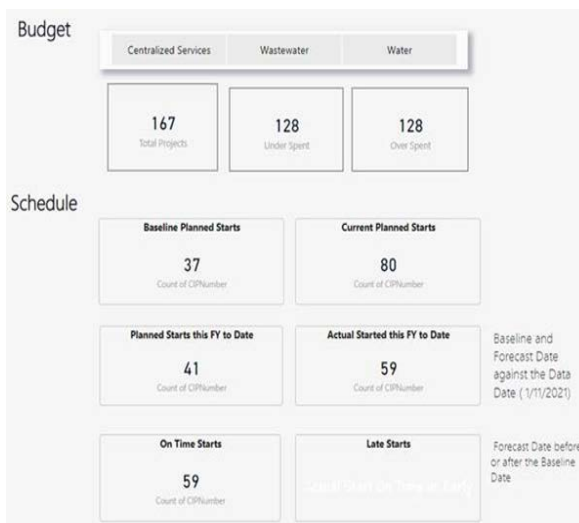
Because the grant award announcement timing is close to the expiration date of Jacob's contract, a change order for a contract extension and an increase to accommodate the additional scope of work outlined in the application is being prepared in anticipation of the grant award. The time extension will be necessary due to several pandemic related delays even without the grant award; however the additional funding being requested will not be used if the grant is not awarded. We are very excited for this opportunity and optimistic of a successful award to GLWA!

Capital Improvement Planning (CIP)

With the approval of the 2022-2026 CIP in process, the CIP group is already preparing for next year's CIP Plan update by updating training documents and scheduling milestone meetings to help ensure the quality and timing of the revised plan. In addition, the CIP group along with AECOM has produced an updated Power BI report to help communicate the health of the capital program and keep the program moving forward as planned.

PLANNING SERVICES (continued)

This report will be a placeholder until our long-term solution, Program Management Information System or PMIS solution, has been implemented. The AECOM team continues to provide staff augmentation to GLWA to assist with the delivery of projects while the CIP group keeps its focus on moving forward long-term business process improvements.



Power BI summary page

Systems Planning

The One Water Co-chairs held their quarterly meeting in early February to discuss current and upcoming initiatives, such as the update to the 2015 Water Master Plan, Water Charges Methodology Review and Sewer Model Contract and Capital Program Management. The group discussed priorities for 2021 and thoughts on how Member Outreach meetings might look long term now that we have seen some success with virtual meeting technology. The group also finalized the agenda for the upcoming One Water Partnership meeting that is scheduled for March 4th at 10:00 a.m. via Zoom. The agenda will be shared out with the full membership soon.



The Member Outreach team is developing recommendations for the future of Member Outreach meetings regarding in-person and virtual meetings. Given the increased participation and positive feedback to date on the virtual meeting advantages to our member partners, we are eager to share our proposed plan with members in the coming months for input and feedback.

The Communication & Education Work Group focused its first meeting of 2021 on outreach and engagement. Elizabeth Renaud and Alysha Albrecht of Van Buren Township shared the Township's Water and Sewer Public Engagement Plan with participants, as well as shared advice for communities that might be working towards something similar.

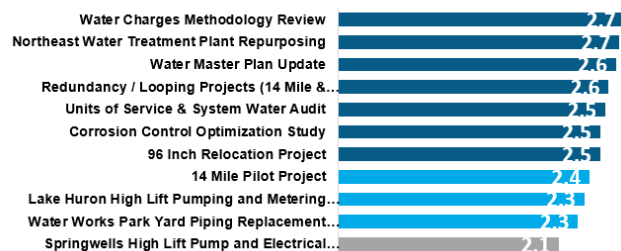


PLANNING SERVICES (continued)

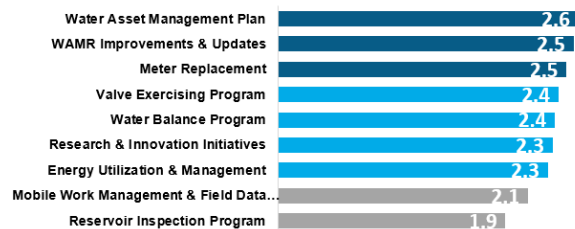
The discussion continued with a focus on available public education materials, how to best share materials out and what additional materials might be helpful to members.

The Water Analytical Work Group (AWG) met on January 19th to learn about the update to the 2015 Water Master Plan. Another key topic was the retail water sales and wholesale demand comparison and request for data. This topic stemmed from a Member Partner request when the Units of Service & System Water Audit Phase 3 scope was being developed. Members expressed their willingness to share their data, while also sharing their thoughts on how to make the process go smoothly. Member Partners will be receiving a communication from Bridgeport Consulting asking them to indicate their willingness to participate, detailing what data is being requested and how they should submit their data. Director of Energy, Research & Innovation, John Norton, provided an overview of the Kercheval Pipe Renewal project that GLWA is piloting to test the performance of two different materials to repair large diameter transmission mains. The meeting also captured participants priorities for 2021, the results are shown below:

Level of Interest by Project



Level of Interest by Program



GLWA hosted a Technology Approval Group (TAG) Workshop on January 26th with a focus on wastewater technologies. The next workshop will be focused on both water and wastewater technologies and will be hosted April 29th. This workshop is open to all GLWA Team Members and Member Communities. As a reminder, TAG is a technology vetting initiative that will enable your community to evaluate emerging technologies, identify pilot opportunities and engage in collaborative research through a series of workshops and a technology portal. The workshops serve as a starting point for members and GLWA to begin collaborating on pilot projects and future initiatives! Don't forget to use the TAG Technology Portal, email outreach@glwater.org for more details.

PLANNING SERVICES (continued)

The Wastewater Best Practices (WWBP) work group was hosted on January 13, 2021. The meeting began with a presentation from Dax Blake of Xylem on the Long Term CSO Control Plan Optimization Task, focusing on how it will build on the water quality approach established under the wastewater master plan (WWMP) and leverage the Regional Operating Plan (ROP). Members were then given time to share lessons from recent events. Attention was turned to Chris Nastally of GLWA, who gave a demonstration of Matterport, Recap, and Cintoo 3D softwares. Chris described the relative strengths of each technology and the ways that his team uses them to remotely view and analyze GLWA CSO facilities. Next, Lori Byron, Bridgeport Consulting, gave an overview of the development and timeline for submission of an annual report, documenting the best practices developed by the Wastewater Management Best Practices group. The report is required by EGLE as part of GLWA's NPDES permit, which stipulates that representatives of permitted CSO facilities participate in quarterly Work Group meetings to exchange information relating to the operation and maintenance of CSO control facilities. The meeting concluded with Bryon Wood of GLWA giving an overview of five vendors slated to present wastewater-related technologies at the January 6th TAG meeting. The next Wastewater Best Practices meeting is scheduled for March 10, 2021.



The January 20, 2021 Watershed Hub Work Group meeting began with a presentation from Annette Demaria of Alliance of Rouge Communities (ARC) on the high-level framework for investigational E. coli grid-sampling in the GLWA wastewater service area to begin soliciting member feedback. Discussion focused on top priorities for members and potential roles and responsibilities. Next, Daniel Gold of GLWA spoke about EGLE's Watershed Council Support program, and GLWA's intention to partner with ARC to submit a proposal for \$40,000 to fully develop the investigational grid-sampling plan. The meeting concluded with group consensus to announce the second Watershed Hub Stakeholder Meeting on March 2, 2021.

The Regional Collaboration Group (RCG) meeting on January 28, 2021 began with Daniel Gold of GLWA presenting on multiple water quality initiatives being advanced through the Watershed Hub including permanent USGS monitoring sites from the WWMP's regional water quality monitoring program, research on new E. coli sensors and DNA source tracking methods being carried out by GLWA's Energy, Research, and Innovation Team, and the early framework for investigational E. coli grab sampling.



PLANNING SERVICES (continued)

RCG members did not object to GLWA submitting a proposal to EGLE's Watershed Council Support program to fund the investigational sampling plan's development and stressed the importance of continued stakeholder engagement to ensure long-term sustainability of monitoring efforts. Next, Ed Hogan of Wade Trim presented an overview and updates on MDOT projects including the Gordie Howe International Bridge and I-94 Modernization. The next RCG meeting will take place on March 18, 2021.

January 2021 Member Outreach Meeting Attendance	
Meeting	# Attended
FY22 Charges Rollout #3 (1/7)	109
Wastewater Best Practices (1/13)	44
Communication & Education Work Group (1/14)	30
Water Analytical Work Group (1/19)	61
Watershed Hub Work Group (1/20)	13
FY22 Charges Rollout #4 (1/21)	100
Technology Approval Group (TAG) Workshop (1/26)	47
Regional Collaboration Group (1/28)	14

Systems Analytics and Meter Operations (SAMO)

The System Analytics and Meter Operations group continues its progress working on the sewer meter upgrade/replacement program. With the coordination of City of Grosse Pointe Farms and the Southeast Macomb Sanitary District (SEMSD), the project at sewer meter site WM-S-1 started in November 2020. The sewer meter site WM-S-1 serves SEMSD. The old metering chamber has been decommissioned. The new channel was formed, and all the concrete work has been completed. The new meter, a NuviFlow meter, has been installed in the inlet pipe of the Kerby Road pump station and the new transmitter has been configured. The new meter was commissioned in service in January 2021. Flow, level, and velocity data has been recorded and can be seen in the Greater Detroit Regional Sewer System portal.

The next project in the program is to upgrade meters at sewer meter sites WC-S-1, WC-S-2, and WC-S-3, which serves Wayne County's Rouge Valley System. The design engineering work has been completed, a Part 41 permit from EGLE has been obtained. The construction work will start soon. The program updates were presented at the Wastewater Analytical Task Force meeting held on February 11, 2021.

The Group continues its progress working on wholesale water meter pit rehabilitation and meter replacement program. The scope of work includes construction work at 58-meter pits with metering and/or meter pit condition concerns. Although this is a program that continues in perpetuity, the target substantial completion date of this particular contract is November 2021.

PLANNING SERVICES (continued)

Last month coordination meetings were held with Bloomfield Township, City of Livonia, Orion Township, City of Rochester, and City of Romulus. The planned work has been completed at 34 of the meter pit locations and is underway at another nine locations.

WASTEWATER OPERATING SERVICES

Wastewater Operations

Water Resource Recovery Facility (WRRF) operations were in-compliance with the Water Quality Standards for January 2021.

Maintenance

The Incineration Team is in the process of refurbishing components on the sludge incinerators. Due to harsh operating conditions (high temperatures and abrasive sludge) over the years, the sludge feed dampener doors require rehabilitation to continue to operate reliably. The Team has started in-house rebuilds on several of these feed dampener doors. In this photo, the Incineration feed dampener has been removed and is undergoing rehabilitation work.



The Incineration Team is also conducting additional training to improve maintenance on opacity and oxygen monitoring equipment. Performing these PMs will allow the Team to move the needle on making the incineration processes more efficient.

Process Control Center (PCC)

The PCS Team is working in collaboration with our partners in operations and the CSO control program team to enhance the reliability of the Baby Creek facility. This includes the following:

1. Evaluation of the existing controls configuration
2. Modify the control logic associated with the perforated screens
3. Evaluation of existing spares and alternatives for critical components
4. Installed UPS to address control issues associated with power outages
5. Enhance monitoring on the control system through calculators and graphic improvements
6. Establishing text notifications for critical processes
7. Develop a scope for the replacement of the perforated screen local control panels
8. Continue to support the CSO Control Program team in historical data and attend workshops so that a 3rd party assessment of failures could be performed

The PCS Team performed an in-house analysis of the existing control logic associated with screens. There are four PLCs located in four separate local control panels that provide control to the sixteen screens at the facility. The local PLCs then communicate to the Ovation Control System used for monitoring, data collection, and supervisory control.

WASTEWATER OPERATING SERVICES (continued)

This analysis resulted in the determination that a failure mode could be eliminated. The screens have a Variable Frequency Drive (VFD), which provides speed control of the cleaning mechanism. A bypass starter is available that allows the operation of screens in the case of a VFD failure. It was determined that the existing logic had interlocks present that would not allow the screens to operate automatically if the VFD had a fault alarm associated with it. This is a temporary fix while GLWA works on designing and procuring new control panels for the screens. The logic changes in the PLC also required a corresponding logic change in the Ovation supervisory control logic. The changes were made and successfully tested.

Improvements made to the Ovation logic and graphic for the mechanical screens were also implemented. Ovation modifications include new calculations for values for basin parameters and their associated alarm state. Additionally, we are working on securing text notifications for operational staff to identify critical operational events.

The Baby Creek CSO facility also experiences intermittent power quality issues/outages that can cause equipment to act erratically. The Ovation control system at this facility is supported with an Uninterruptable Power Supply (UPS). The UPS provides battery backup power to provide power to the attached load to withstand temporary outages. UPS's on the Local control panels are being installed to protect the local screen panels.

Engineering has determined that due to the criticality of the perforated screens at the Baby Creek CSO Facility that replacement of the Local Control Panels are necessary. The PCS team has assisted the Engineering Team in developing a scope of work and technical requirements to ensure that the replacement panel meets both the operational and control system requirements of GLWA.

Laboratory

There were no interruptions to testing during the move from the old analytical laboratory located at 2727 Second Ave. (MCHT) to the WRRF. A final walk-through of the facility was conducted with the building manager.

Chemists are currently completing training on the new ICP (Inductively Coupled Plasma) systems. This training will bring the last remaining test area on-line at WRRF labs. Also, all chemists went through 5S training. Implementation of 5S in the laboratory areas began on February 16, 2021.

Finally, the Laboratory Information Management System (LIMS) upgrades are currently under testing to ensure all needed parameters are operational.

Industrial Waste Control (IWC)

As of January 31, 2021, in response to the presentations that were made to introduce the Pretreatment Rules to the communities and requesting a community resolution adopting them, we have now received and acknowledged 74 (95%) executed agreements.

WASTEWATER OPERATING SERVICES (continued)

Although the compliance date for the federal Dental Discharge Category has passed, we continue to receive reports. We have received 817 (67%) reports or responses as of January 31, 2021. We initiated notifying any non-compliant users beginning February 1, 2021.

Engineering & Construction

Design Engineering

RFP development for the WRRF Improvements to Sludge Feed Pumps to the Dewatering Facilities (CIP 213006) is underway. This RFP will include long-term concepts for the overall pumping strategy considering the present difficulties of pumps in an existing crowded gallery. This January, all Operations, Maintenance and Engineering stakeholders discussed the concept layout and pumping strategy being developed, including hydraulics consideration of pumping to different dewatering equipment (Complex I BFPs, Complex II BFPs, and BDF CFGs). The concept was generally agreed to by all and was advanced to RFP development. In general, BDF will be centered around Solids Storage Tanks (SSTs) 1 through 4 (round tanks) with four total pumps where two of them can also function as backup pumps for Complex II BFPs, and both Complex I and II BFPs being served by four rotary lobe pumps drawing from SSTs 5 and 6 (rectangular tanks).

In addition to the RFP, which addresses overall pumping, we continue to work on a JOC that would replace one of the two pumps associated with BDF feed to provide a right-sized pump. Overhaul of entire pumps and configuration will be rolled into the future design work. Preliminary design work is underway.

Construction Engineering

The Baby Creek CSO Control Facility HVAC Improvements project was awarded to Professional Thermal System, Inc. with a start work date of January 8, 2020. The required substantial completion date of the project was January 8, 2021, and the required final completion date is April 10, 2021. The contract amount is \$550,000.

The scope of work includes electrical room ventilation system modifications, screening building air dampers, actuator replacement, and installation of a new HVAC Direct Digital Control (DDC) system.

The installation of louvers, exhaust fans, dampers, actuators, and DDC controls have been completed. All that remains is integrating the existing HVAC units into the new DDC system, which should be completed soon.

WASTEWATER OPERATING SERVICES (continued)

Pump Station No.2 Pumping Improvements project was awarded to Tooles Contracting Group with a start work date of October 17, 2016. The scope of work consists of providing new suction piping and elbow for pumps 11 and 14, a redesigned impeller for both pumps, and replacement of existing magnetic flowmeters to record the accurate flow associated with these pumps. The required substantial and final completion dates of the project were May 15, 2019 and June 20, 2019, respectively. A delay occurred due to concerns with the new pump performance but was resolved, and via Change Order No.1, the substantial completion and final completion dates were revised to May 15, 2021 and August 20, 2021, respectively. The original contract amount was \$3,275,000. The adjusted contract amount is \$2,971,020.

Replacement of Pump No.11 and associated piping and flowmeters were completed and turned over to GLWA for operation and maintenance. The Contractor started work on Pump No. 14 on January 25, 2021, for rehabilitation. The installation and testing of new Pump No.14 are expected to be completed before May 15, 2021.



Removal of old pump No. 14 and installation of a new flowmeter on pump # 14 discharge

Currently, WRRF Construction Engineering manages about 25 active construction projects and tasks. Modification to Incineration sludge feed system (CON-197), Chlorination/Dechlorination Improvements at WRRF (CON-238), Puritan-Fenkell and 7 Mile CSO Instrumentation Improvements (1905077), Puritan-Fenkell and Lieb Facility drainage improvements (1902040), Lieb Facility HVAC Improvements (1803718), and several Job Order Contract Tasks are all progressing.

CSO Control Program

The CSO Team is working on the following projects:

- CIP 277001 – Baby Creek Outfall Improvements. The project easements for land acquisition are anticipated to be completed by the end of March 2021. The RFP for design-build will also be completed around a similar timeline and then be put into procurement.

WASTEWATER OPERATING SERVICES (continued)

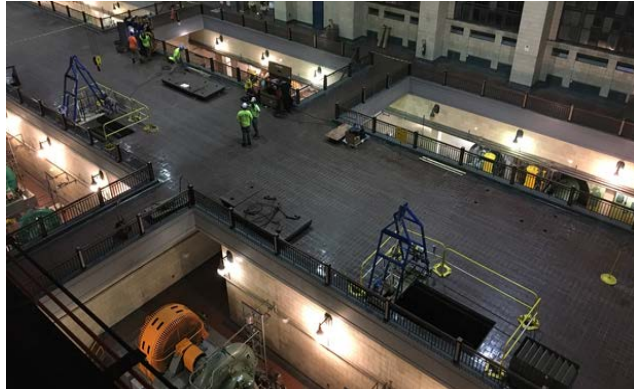
- Land acquisition and procurement for the design-build will pursue parallel paths. Ultimately the goal is to award the design-build by January 2022 and complete the acquisition of easements around the same time.
- JOC Task 9 – CSO Facility LED Lighting. The project is in the closeout stages. Nearly all lights have been installed, and we are working on finalizing any outstanding isolated issues. We are presently working with DTE for the finalization of rebates for the LED lights. To date, GLWA has received \$42,016 in rebates out of approximately \$51,500!
- JOC Task 29 – Baby Creek Chemical Tank Relining. In January, Canada increased the COVID-19 restrictions to prevent the spread of COVID-19, which has resulted in this project being significantly delayed. At this time, the CSO Team is working on the alternative original bid which was to line the chemical tanks with a rubber liner that is applied to the metal surface of the tank. We are currently working to understand how this change will affect the project and will have more information next month.
- JOC Task 37 – Installation of Power Quality Meters at CSO Facilities. Work is tentatively planned to start with the Hubbell-Southfield and Baby Creek facilities. Installation is expected to begin over the next month or two. We will progress to all other facilities afterward.
- Task Order Engineering Services (TOES) Task 01T. We are preparing to submit the Consolidated Annual Report for CSO Discharges for GLWA to EGLE by April 1, 2021. We are in the initial stages of preparing the draft report for review after event analyses and evaluation of maintenance and CIP to the system.
- (TOES) Task 7T (CIP 260621) – Conner Creek Dike Improvements. We continue to collaborate with DWSD and the City of Detroit on this project. In January 2021, we held a meeting with the City of Detroit DPW and DWSD to discuss the project. We are working on completing requests by the DPW, including a right of way permit and review. A meeting this February is planned with the City of Detroit Department of Neighborhoods and the community to provide and receive information on this project. We are anticipating finalizing design drawings and specs by the end of February or the beginning of March 2021.
- CS-299 – CSO Facilities Assessment Project. The CS-299 Team is working on various quick win projects to make improvements to CSO facilities. These have included improvements to the conveyor system at Conner Creek, roofing improvements to Baby Creek, and other immediate needs. The CS-299 team is also working to update the Facilities Assessment from GLWA comments in October and November 2020 and working towards beginning to prioritize and bundle CIP projects (which have individually been evaluated against their alternatives and individually selected).

WATER OPERATIONS

Springwells Water Treatment Plant

Diving Inspection of High Lift

As a part of the design effort under Contract No. CS-103 “Springwells High and Low Lift Pump Replacement,” the engineering consultant was tasked with evaluating the condition of the guides and frames used for isolating the High Lift pump suction chambers. To accomplish this inspection, the services of Underwater Construction Corporation (UCC) were used to inspect these items without having to undergo a protracted shutdown of High Lift pumps that would be needed to perform this inspection in the dry.



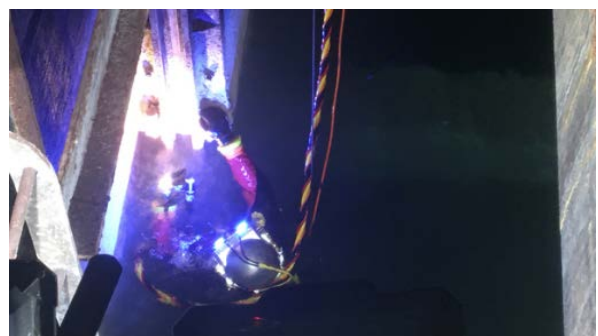
Overhead view of diver setup at two High Lift pump locations

The inspection began with the assistance of the Springwells (SPW) operations team. They were responsible for the closure of valves and lock out/tag out of pumps to isolate the areas where the diving would occur, and the maintenance team assisted in the removal of the floor covers into the suction chambers where the inspections would occur. Given that the divers would be entering potable water, care was taken to disinfect every piece of equipment that would be entering the water.

Originally, the inspection of 16 gate frames and guides was anticipated to take three nights, but with all involved coordinated in their efforts, only two nights were needed. The inspection reports and the high-definition video footage that was collected will go a long way towards achieving the goal of procuring new isolation gates that seal tightly; an objective needed both for construction as well as maintenance.



A capture of the video footage gathered during the inspection



Diver inspecting the gate guide above the water surface

WATER OPERATIONS (continued)

SPW Process Camera

Springwells is now entering its final stages of process camera implementation. In an effort to optimize and increase effectiveness, cameras have been added to locations with the greatest need for monitoring such as High-Lift pipe gallery, Chemical Building and Weir Chamber.

In addition to our water technicians making rounds, cameras and monitoring stations will reduce the chance of incidents within the plant, increase operational response time, and increase team member efficiency. We are optimistic about the further integration of technology into our operations.



Water Quality

Performance Testing Plan

On December 23, 2020, Water Quality conducted turbidity sampling for Springwells Plant CON-253 Performance Testing Plan. The Springwells reservoir fill line project was designed to provide redundancy to the GLWA water system by allowing finished water from the Southwest Water Treatment Plant to fill the Springwells reservoir. It was also designed to mitigate risks associated with the Pennsylvania and Springwells raw water tunnels. Phase I tested the reservoir fill line improvements by filling Reservoir No. 1 from the intermediate pressure zone. The testing was necessary to confirm that all new components of the improvements function as designed under Contract CS-038 and verify conformance with requirements of Contract CON-253. Water Quality collected and recorded sample analysis at different intervals of valve positions on the 42" main, using a portable turbidity meter. The samples were taken to the lab and analyzed in which all of results met water quality criteria, which allowed the reservoir to be returned to service.



Yvette Hayes Johnson (Team Leader)

Lake Huron Water Treatment Plant

Replacement of 42" Cone Valve

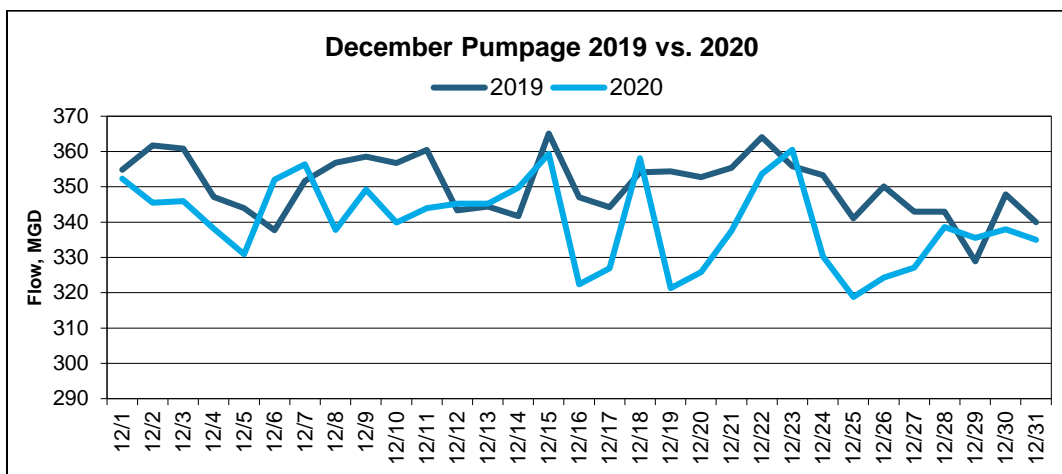
The Lake Huron maintenance team jumped at the opportunity to replace a large 42-inch cone valve. This large valve, which has a max flow of 60 MGD and weighs in at 35,000 lbs., controls the flow leaving the plant. Five of the plant's valves are 40+ years old. Because of the age of the valves, Lake Huron decided to send one out per year to be evaluated and repaired. This was the second valve the team has removed and installed.



WATER OPERATIONS (continued)

Systems Control Center (SCC)

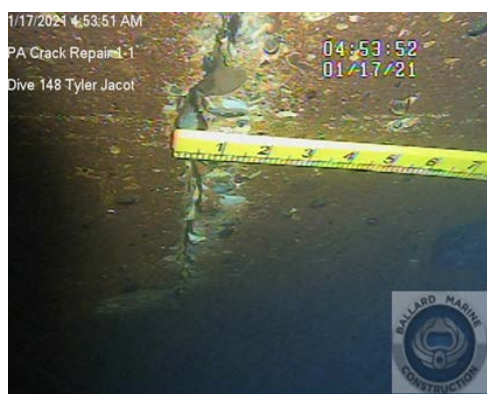
December 2020 pumpage was 2.9% lower than December 2019



Engineering

DB-150 Design-Build/Repair for Portions of the Pennsylvania, Springwells and Northeast Raw Water Tunnels

DB-150 includes design and construction services for the repairs of the Pennsylvania, Springwells and Northeast Raw Water Tunnels. The repairs at the Springwells and Northeast Tunnels includes a combined 1,400 LF of stainless-steel liner plate and grouting of annulus space to reinforce the sections of tunnels outlined in the contract. Crack repairs at the Pennsylvania Raw Water Tunnel located at Water Works Park, began in December 2020 and is scheduled to be complete in February 2021. The contractor has completed all grouting of cracks in the invert and side walls of the tunnel, remaining work includes crack repair at the crown of the tunnel. Upon completion of crack repair and restoration, the contractor will then mobilize to the greenbelt of Outer Drive to the Northeast tunnel to begin in-tunnel shoring required for the new permanent access shafts which will be installed as part of this contract.



Pennsylvania Crack Repair-Prior to Grout



Pennsylvania Crack Repair-After Injection

WATER OPERATIONS (continued)

Springwells and Northeast Tunnel Mockup, Located at Water Works Park on the Detroit River. This mockup has provided significant insight on the constructability for Springwells and Northeast Tunnels. The divers tested different products, equipment and methods on land then will perform the mockup tunnel section installation in the river. Things learned: safe material handling of liner plates by divers in the tunnel, sequencing of liner plate installation, appropriate jacking screws for the liner plate installation, configuration of grouting ports, and testing of different materials which will prevent any excess loss of grout while performing the work.

Springwells and Northeast Tunnel Mockup: Verification and confirmation of the rigging system which will be used to lower the sections of liner plate into the Springwells and Northeast Tunnels. This “football method” has been found to eliminate safety concerns for the diver while lowering the materials into the tunnels.



Energy, Research & Innovation

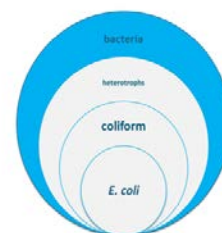
Research

Microbial Monitoring

The Energy, Research & Innovation team presented a project idea to the Watershed Hub Workgroup that would support the Water Quality Monitoring efforts in the watershed. Part of the project is to develop molecular methods that would allow quicker source identification of human fecal contamination. We are in the process of finding partners and scoping out the details for method development.

Real-Time Information

- Ongoing testing at GLWA
- Total intact cell concentrations in 5 – 15 min



- <15 min
- Bench top
- Reagent-free
- **Quantitative**
- Culture-independent
- all bacteria

Water Works Park chemists working on method validation

INFORMATION TECHNOLOGY

In the past month, the IT Security team has proactively blocked or thwarted 16,645 spam messages, 6,354 spoofed messages and 10 viruses. Additionally, 1,273 phishing attempts have been caught and 51 malware attempts have been blocked.

The IT Security team has continued efforts to identify an antivirus platform to replace our current platform that is becoming end of life in August of 2021. The IT Security team has begun creating the project plan to deploy multi-factor authentication for O365.

In January, the IT Business Productivity Team's ongoing efforts to implement and streamline systems to strengthen GLWA's processes included:

- Training GLWA's Leadership and Procurement Teams on beginning their use of DocuSign to electronically sign documents.
- Streamlining GLWA's Daily COVID-19 Smartsheet form and rolling it out to team members at the WRRF, including announcements via GLWA's emergency broadcasting system, ReadyOp.
- Participating in GLWA's ERP selection process, including providing a questionnaire for the evaluators' reference checking and providing feedback on the interview and demonstration schedules. The ERP evaluators have narrowed the selection down to four prospective vendors.
- Creating additional [training materials for the features that GLWA has enabled in Microsoft Teams](#) in order to increase team members' adoption of its tools.

The IT Infrastructure team has continued to finalize decommissioning equipment that was replaced by the new infrastructure deployed during Phase 1 of the Datacenter modernization project. We have also begun creating business cases for Phase 2 of the Datacenter modernization project, which will include cloud migration, backup replacement and a new file sharing solution.

The IT Customer Service Delivery Team completed the deployment of 5G tablets at each of the 5 Water Plants and the Water Resource Recovery Facility to support the GLWA rollout of the Daily COVID-19 Smartsheet questionnaire. With assistance from all the IT teams, the Customer Service Delivery team continues to develop and configure Cherwell, GLWA's new enterprise IT Ticketing system expected to go-live in June 2021.

The IT Enterprise Asset Management Systems Team along with Enterprise Asset Management Group, Finance, and Water and Wastewater Operations Areas have completed interviews and software demonstrations in early September for the new Enterprise Asset Management (EAM) system. Next steps of vendor evaluation continue with an award expected by mid-February.

The IT Enterprise Asset Management Systems Team continues to support on-going and new projects across GLWA including, but not limited to:

INFORMATION TECHNOLOGY (continued)

- Valve Exercising Program Phase 2 – supporting field data collection and data processing to enhance GIS records of valve locations, condition, status, and baseline attributes
- CSO Facilities Needs Assessment – review and incorporation of underground utility data in GIS and updates of WAM asset and specification templates and data at all CSO facilities
- WRRF Yard Piping Project – supporting project kickoff to coordinate underground utility data collection and processing to enhance GIS coverage at WRRF
- Long-term CSO Control Plan - initial data requests and on-going GIS collaboration and support with project team

Currently, the IT PMO is managing 28 active projects and is processing 15 project requests.

PUBLIC AFFAIRS

Media Roundtable Announcing Unique Collaboration with Oakland County and the City of Detroit to Remove Untreated Wet Weather Discharge into Rouge River

On February 10, GLWA, along with Oakland County Water Resources Commissioner and Detroit Water and Sewerage Department, held a media roundtable to announce a unique collaboration that will have the entities work together, across municipal and county boundaries, on three projects that will protect public health by reducing wet weather discharges into regional waterways. The projects, with an investment of \$68 million, are aimed at eliminating 48 million gallons of untreated wet weather discharge from flowing into the Rouge River each year.

The event was moderated by Chief Public Affairs Officer Michelle Zdrodowski, and subject matter experts for each group were: GLWA's Chief Planning Officer Suzanne Coffey, Oakland County Water Resources Commissioner Jim Nash and DWSD's Deputy Director and Chief Engineer Palencia Mobley. Excellent media coverage was generated, including articles in the [Detroit Free Press](#), [Detroit News](#), [Oakland Press](#), and [Michigan Chronicle](#), as well as pieces on [WWJ-AM950](#), Michigan Public Radio and in a variety of online news sources.

Wastewater Master Plan/Regional Operating Plan One Water News Drop

The Public Affairs team created a new One Water News Drop video to explain the importance of the Wastewater Master Plan (WWMP) and its Regional Operating Plan (ROP). The video shows why these plans are important, the benefits they provide and how they came to be through regional collaboration with over 100 of GLWA's stakeholders including member partners, watershed advocacy groups, regulatory agencies and more. You can watch the video by clicking [HERE](#).

PUBLIC AFFAIRS (continued)

AMWA Platinum Award for Utility Excellence – Team Member Engagement Campaign

As we announced late last year, GLWA was the recipient of the Association of Metropolitan of Water Agencies (AMWA) Platinum Award for Utility Excellence in 2020. With the COVID-19 pandemic, we are not able to celebrate this incredible achievement in-person as we did with our Gold Award a few years ago. However, it's still important that we take time to celebrate



and recognize all team members for their important role in earning this national recognition. To help celebrate, the Public Affairs team created a customized AMWA Platinum Award Selfie Board and shared it with our facilities, asking team members to take photos of themselves in celebration of the win. The Public Affairs team also created a virtual selfie board for team members on flexible work arrangements, which can be downloaded [HERE](#), as well as a special version as a virtual meeting background for Microsoft Teams that can be downloaded [HERE](#). Photos will be shared on our facility monitors, on social media, and in our 2020 Year-In-Review.

SECURITY AND INTEGRITY

The Hazmat Unit coordinated and completed a total of 133 hours of training during the month.

Security and Integrity continues participating in the Emergency Operations Center's ongoing COVID-19 Pandemic briefings.

Security and Integrity conducted ReadyOp drills for the Security Lieutenants and Sergeants. Security and Integrity continues its participation in the Downtown Detroit Partnership Security Team meeting (virtually).

ORGANIZATIONAL DEVELOPMENT

Apprenticeships

EICT-E apprentices will celebrate their one-year anniversary during February. By the end of this month, the apprentices will have completed approximately 1600 hours of on-the-job learning and 180 hours of classroom instruction. Apprentices have learned conduit bending, blueprint reading, and have developed an understanding of DC combination and parallel circuits.

Progression

The 2020 Progression Cycle launched on November 18, 2020 and closed on January 15, 2021. Ninety-three percent of the progression assessments have been completed.

Performance

The Mid-Year Performance Review for Union Team Members are underway and are due on February 23, 2021. Twenty-four percent of Mid-Year Performance Reviews have been completed.

Talent Management

Staffing

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

Number of New Hires	6
Number of Separations	12
Total Staffing - Regular FTEs (YTD)	1022

Benefits/Wellness

GLWA is proud to offer our team members health care providers and plans that make individual and family health and well-being a priority. Now nearly a year into the coronavirus (COVID-19) pandemic, the One Water Wellness team continues to highlight resources made available to team members and their families by our health care providers, including:

- \$0 COVID-19 testing for eligible members
- \$0 COVID-19 vaccine for eligible members
- Telehealth or online visits with a U.S. board-certified doctor, 24 hours/7 days a week (this includes therapists and psychiatrists);
- Mental Health Support hotlines;
- 90-day mail-order prescription options;
- Free virtual well-being webinars
- GLWA Savings Center

ORGANIZATIONAL DEVELOPMENT (continued)

Training

During the month of **January 2021**, **200** GLWA team members completed instructor-led safety and non-safety courses. **9** GLWA team members and **44** member partners completed **53** online 360 Water Report courses.

FINANCIAL SERVICES AREA

January 2021 Audit Committee Recap

Two Audit Committee meetings were held in January 2021. The regularly scheduled meeting took place on Friday, January 15, 2021 followed by a second, special meeting on Friday, January 22, 2021 with the core purpose of completing the detailed review of the proposed FY 2022 annual, long-term financial plan and budget. The GLWA Audit Committee binders are publicly available at www.glwater.org. These meetings included the following topics:

- ✓ Matters taken to the full Board on January 27, 2021
 - Proposed FY 2022 annual, long-term financial plan and budget
 - Proposed FY 2022 Water and Sewer service charges
 - Request to Publish Notice of Public Hearing for GLWA FY 2022 Proposed Biennial Budget
 - Request to Publish Notice of Public Hearing for the GLWA FY 2022 Charges
 - Request for approval of a Revenue Bond ordinance supporting the use of State Revolving Fund loans for a regional sewer project
- ✓ Further discussion in the Monthly CFO Report
 - Response to a question on DWSD revenues from the December 18, 2020 Audit Committee meeting
 - An overview of additional topics slated for discussion with the Audit Committee throughout FY 2021
 - Background on behind-the-scenes projects taking place in FSA including the Tagetik financial modeling tool, an FSA Knowledge Share YouTube video on FEMA eligible COVID-19 expenses and streamlining of shared services costing
- ✓ Presentation of the October 2020 Monthly Financial Report (Executive Summary attached)
- ✓ Updates on the Business Inclusion and Diversity program and Water Residential Assistance Program redesign implementation

Ethics in Public Procurement – Annual Conflict of Interest Form

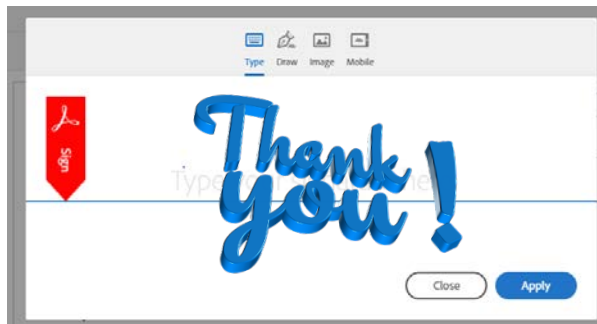
Every year, the Procurement team requests all GLWA Board Members and those team members involved in procurement activities to review the active list of vendors to disclose where they or their family members may have any relationships that would constitute a Conflict of Interest. This annual Conflict of Interest disclosure process provides a comprehensive understanding of the affiliations that could exist between our organization and the vendor community.

By maintaining candid commitment to the principles of fairness, openness, and transparency, the integrity of the procurement process is upheld.

FINANCIAL SERVICES AREA (continued)

As a result to the COVID-19 pandemic, the 2020 GLWA Annual Conflict of Interest Disclosure process utilized a completely digital delivery and signature process for the first time. This effort led to an almost 90% response rate to date out of over 350 individuals contacted. 100% compliance is expected by the end of February 2021.

This effort demonstrates GLWA's commitment to the highest level of ethical standards in public procurement.



Transformation

The Transformation Team is continuing their efforts with the Water Resource Recovery Facility Lab 5S project. Progress has been made with the Wastewater Operations Laboratories team. Each chemist is scheduled to be trained on 5S, the sorting phase is complete, and now the Transformation and Laboratories teams are starting the second phase of 5S, set in place.

The first location that will be set in place is the receiving section of the samples area. In this area, the team will be applying the following Lean Six Sigma (LSS) Tools and Methodologies:

- ✓ Process Control
 - End of Shift Cleanliness Checklist
- ✓ Visual Management
 - Shadow Boards
 - Color Coding Identification System

These methodologies and tools will help the Wastewater Operations Laboratories team operate in a safe, well organized, and efficient workspace. The application of these LSS tools will provide waste reduction, improve time management, and remove unnecessary steps in the process all while remaining compliant.

Procurement Pipeline

The January 2021 Procurement Pipeline edition is attached. This month features information regarding the Business Inclusion and Diversity (B.I.D) program launch, COVID-19 vaccines and the vendor community, and the introduction of contract templates through GLWA Procurement to improve the timeliness of vendor contract start times.

Due to timing of Board Meetings, we also have the February 2021 Procurement Pipeline, which is also attached. This edition is dedicated to more of the details of how the B.I.D. program will work.

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

Respectfully submitted,



Sue F. McCormick
Chief Executive Officer

SFM/dlr

Attachments (4)



Key Financial Metrics

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

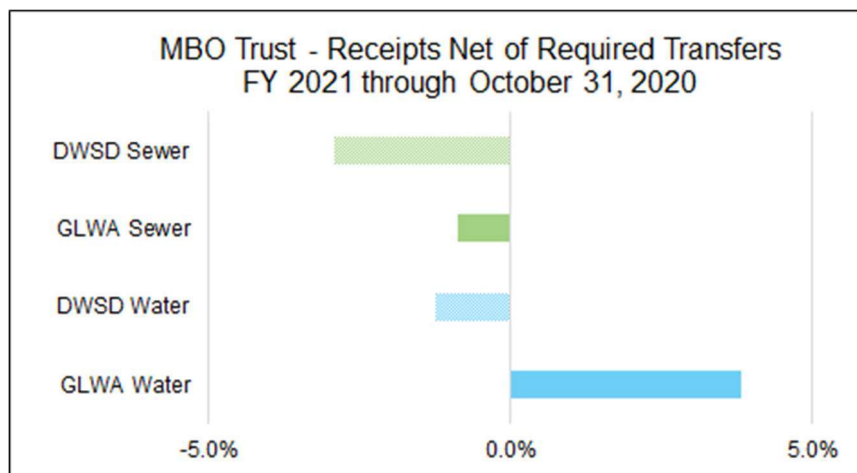
No Risk (green) - Potential (yellow) - Likely (red)

Each variance is monitored by the Great Lakes Water Authority (GLWA) management and, where appropriate, operating and/or budget priorities are re-evaluated. Budget amendments are prepared and presented quarterly based on most current information.

As of October 31, 2020				
Metric	FY 2021 Budget	FY 2021 Actual	Variance from Financial Plan	Report Page Reference
Wholesale Water Billed Revenue (\$M)	\$113.9	\$118.1	4%	45
Wholesale Water Billed Usage (mcf)	5,497,000	5,869,000	7%	
Wholesale Sewer Billed Revenue (\$M)	\$89.3	\$89.3	0%	47
Wholesale Water Operations & Maintenance (\$M)	\$44.7	\$44.3	-1%	6
Wholesale Sewer Operations & Maintenance (\$M)	\$60.8	\$55.6	-8%	
Investment Income (\$M)	\$1.2	\$3.0	150%	35
Water Prorated Capital Spend w/SRA* (\$M)	\$36.0	\$40.0	11%	27
Sewer Prorated Capital Spend w/SRA* (\$M)	\$27.0	\$23.0	-15%	28

*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 50)



Net cash flow receipts remain positive for GLWA Water with a slight Sewer shortfall for the current period only. This means that all legal commitments of the MBO Trust and the lease payment are fully funded to date – and that positive cash flow is available for additional capital program funding in

subsequent year(s). DWSD Water and Sewer net receipt shortfalls are \$0.5 million and \$2.8 million respectively through October 2020 attributed to the impact of the COVID-19 pandemic. GLWA and DWSD staff meet regularly to discuss steps to mitigate this shortfall as outlined in the 2018 MOU. Looking ahead, DWSD Management a) received over \$10.0 million in state of Michigan CARES Act funding to support these past due balances in November 2020; b) will be implementing tax liens on commercial and industrial properties; c) anticipates a positive operating budget variance.

The current DWSD loan receivable balance for fiscal years 2017 and 2018 is \$20.5 million.

Budget to Actual Analysis (page 3)

- The first quarter budget amendment that was approved by the GLWA Board on October 28, 2020 is reflected in the FY 2021 Amended Budget columns on the tables in the October 2020 Budget to Actual report.
- The total Revenue Requirements are on target through October 2020.
- The total Operations & Maintenance expenses are at 31.6% of budget through October 2020 which is reasonably within the pro-rata benchmark of 33.3%.

Basic Financial Statements (page 10)

- The Basic Financial Statements are prepared on a full accrual basis and reflect preliminary, unaudited results.
- Operating income for October 2020 is \$39.8 million for the Water fund (31.7% of total revenues) and \$50.3 million for the Sewer fund (31.9% of total revenues).
- Water Net Position increased \$4.2 million and Sewer Net Position increased \$11.9 million for the year to date through October 2020.

Construction Work in Progress Summary (page 26)

- Both the Water and Wastewater systems are exceeding the 75% Capital Spend Ratio.

Master Bond Ordinance Transfers (page 29)

- For October, transfers of \$12.7 million and \$17.6 million were completed for the GLWA Water and Sewer funds, respectively.
- Also for October, transfers of \$4.5 million and \$8.2 million were completed for the DWSD Water and Sewer funds, respectively.

Cash Balances & Investment Income (page 35)

- Total cash & investments are \$497 million in the Water fund and \$406 million in the Sewer fund.
- The total combined cumulative investment income for FY 2021 through October was \$3.0 million.

DWSD Retail Revenues, Receivables & Collections (page 39)

- Water usage through October 31, 2020 is at 92.71% of budget and revenues at 93.64% of budget.
- Sewer usage through October 31, 2020 is at 91.55% of budget and revenues at 96.85% of budget.
- Combined accounts receivable balances for the water and sewer funds report an increase of \$26.9 million over the prior year.
- Past dues over 180 days make up 63.7% of the total accounts receivable balance. The current bad debt allowance covers 100% of past dues over 180 days.

GLWA Wholesale Billing, Receivables & Collections (page 44)

- GLWA accounts receivable past due balances (net of Highland Park) saw a slight increase this month due to mail delivery issues but most delinquent payments were received by early November.
- The Highland Park past due balance is \$44.9 million, includes \$34.2 million for wastewater treatment services, \$1.7 million for industrial waste control services, and \$9.0 million for water supply services. In FY 2021, Highland Park has made three payments totaling \$1.8 million through October 2020.

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

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

Business Inclusion and Diversity (B.I.D.) Program Launch on February 1, 2021

GLWA is committed to fostering the success of small, women-owned, and minority-owned businesses as well as those that operate from an economically disadvantaged location within the GLWA service area. In service to this commitment, we are excited to announce that the new Business Inclusion and Diversity (B.I.D.) Program, initiated and approved by the GLWA Board of Directors, will formally launch on February 1, 2021.

The Phase I launch of the B.I.D. Program in February 2021 will focus on the core program criteria and its impact on procurement submittals. The Phase II launch, beginning in July 2021, will feature expanded outreach and recruitment efforts. This gradual rollout will enable GLWA to learn, receive feedback, and refine our processes to ensure that the B.I.D. Program's intent to serve the small and disadvantaged business vendor community is executed efficiently and effectively.

Questions about the B.I.D. Program should be directed to GLWAVendorOutreach@glwater.org.

COVID-19 Vaccines and the Vendor Community

The state of Michigan has begun distributing COVID-19 vaccines through a multi-phased plan. Based on the [COVID-19 Vaccination Interim Prioritization Guidance](#), water and wastewater professionals are eligible to receive the vaccine in Phase 1-C.

Though GLWA will **not** require vaccinations for the vendor community, we do strongly encourage that all onsite vendor personnel obtain the vaccine. Please note that vaccinated personnel must continue to adhere to established access requirements and safety protocols: wearing face masks, washing hands regularly, and maintaining social distance.

If you are interested in receiving the vaccine, we recommend that you routinely check your local health department's website for information on when you are eligible to do so. Furthermore, if you have any questions or concerns about receiving the vaccine, the links below provide credible facts about the vaccine to help inform your decision.

- ✓ [Not Sure About the COVID-19 Vaccine? Get the Facts, Then Decide](#) (from University of Michigan)
- ✓ [What You Should Know about the COVID-19 Vaccine](#) (from City of Detroit)

Additional questions regarding this matter may be sent to procurement@glwater.org.

Procurement Process Update: Contracts

In an effort to enable work on projects to begin more quickly, GLWA Procurement has adopted template contracts that conform to service sector standards in public procurement. ***Beginning February 1, 2021, GLWA will now require that vendors agree to the terms and conditions listed in the solicitation without edits or redlines.*** The acceptance of GLWA's terms and conditions will be required by all vendors doing business with GLWA. Any exceptions to these terms and conditions will automatically deem vendors' proposal or bid submission non-responsive. Vendors may use the open question and answer period to submit their contract-related questions and GLWA will respond through a posted addendum by the solicitation deadline. We appreciate the vendor community's cooperation with this procurement process update and request that any further inquiries be directed to the Buyer listed on the GLWA solicitation.

What's Coming Down the Pipe?

Current Solicitations: Be sure to register in [Bonfire](#) for new solicitations and contract award information. **Upcoming Procurements: Next Three to Nine Months** - See page 2

Visit GLWA online! See the Vendors page at www.glwater.org or contact us via email at procurement@glwater.org.

Upcoming Solicitations January 2021

Category	Description	Budget Estimate
Water System (next three months)		
Maintenance Services	5-Year Sludge Removal and Disposal Services at Northeast, Springwell's & Southwest Water Plants	\$55,000,000
Maintenance Services	Skilled Trades Contract	TBD
Engineering	North Service Center Pumping Station Improvements (CIP #132016)	\$10,000,000
Field Services	Water Transmission Main, Valve, and Urgent and Emergency Repairs (CIP #170504)	\$15,000,000
Construction	Phase II – 14 Mile Transmission Loop Project (CIP #122013)	\$91,000,000
Construction	NEWTP Flocculator Improvements (CIP #112006)	\$11,000,000
Design	LHWTP Flocculator Improvements (CIP #111012)	\$3,000,000
Construction	Springwells Water Treatment Plant Medium Voltage Electrical System Replacement (CIP #114002 Project B)	\$30,000,000
Design Build	Belle Isle Seawall Rehabilitation (CIP #116005)	\$1,740,000
CMAR	96-Inch Water Transmission Main Relocation Project, Construction Manager-At-Risk	\$150,000,000
Construction	Complex B Thickened Waste Activated Sludge (TWAS) Piping Reconfiguration (JOC)	TBD
Wastewater System (next three months)		
Construction	Rehabilitation of Outfalls – Phase III(B-39)	\$7,000,000
Construction	Rehabilitation of Woodward Sewer (CIP #260207)	\$26,000,000
Maintenance	UPS Maintenance and Repair Services (CSO/WRRF)	\$1,564,050
Design	Control System Upgrade – St. Aubin, Leib, and 7 Mile CSO Facilities	TBD
Construction	WRRF Seagull Habitat Modification	TBD
Construction	Oakwood HVAC Improvements (CIP #260618) (CSO)	TBD
Professional Services	Development of CAD and Engineering Standards (TOES)	TBD
Professional Services	Virtual Tour and Laser Scanning Services	TBD
Construction	Connor Creek Dike Improvements (CIP #260621) (CSO)	TBD
Water System (next four to nine months)		
Design Build	WTP Ovation Workstation Upgrade Project (CIP #170303)	TBD
Design	Reservoir Inspection, Design and Construction Administration	\$4,000,000
Wastewater System (next four to nine months)		
Design	St. Aubin Disinfection and Screening Improvements (CIP #260617) (CSO)	TBD
Maintenance	Low-Voltage Wiring	\$7,500,000
Design	Leib Screening & Disinfection Facility Improvements for Meldrum Diversion (CIP #274001) (CSO)	TBD
Design	Oakwood CSO Facility Improvements for NWI Diversion (CIP #278001) (CSO)	TBD
Design	Pilot Netting Facility Project (CIP #270001) (CSO)	TBD
Design Build	Baby Creek Outfall Improvements Projects (CIP #277001)	TBD
Construction	Rehabilitation of CSO Outfall Backwater Gates	\$5,000,000
Construction	CSO Generator Improvements (Controls upgrades, Generator modifications) (CSO)	TBD
Construction	Hubbell Southfield CSO Basin Pipe Hanger Replacement	TBD
Enterprise (next four to nine months)		
Information Technology	Project Management Information System	TBD

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

WRRF: Water Resource Recovery Facility

CSO: Combined Sewer Overflow

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

Business Inclusion and Diversity (B.I.D.) Program: Creating a Successful Diversity Plan

Under GLWA's Business Inclusion and Diversity (BID) Program, launched on February 1, 2021, a Diversity Plan for solicitations budgeted at \$1 million or more will be a mandatory requirement.

A successful Diversity Plan will:

- ✓ Outline the vendor's efforts to maximize opportunities for participation by small, minority-owned, and disadvantaged business enterprise subcontractors;
- ✓ Include reporting that indicates the businesses recommended for award, percentage of contract award, as well as any additional businesses contacted and why they declined;
- ✓ Include a copy of the vendor's and their subcontractor's B.I.D. certifications, if applicable; and
- ✓ Be no more than three single-spaced pages in 11pt font, and include an executive summary detailing key points.

The Diversity Plan must be specific to each solicitation. Additional information related to the vendor organization's diversity and inclusion efforts should also be included.

Vendor B.I.D. Certifications & Assessment

GLWA's objective is to make it easy to participate in our solicitations. For this reason, we will accept vendor certifications from a federal agency, the state of Michigan, or a Michigan local unit of government. See below for examples of the certifications GLWA is seeking from vendors:

- Disadvantaged Business Enterprise (DBE)
- Minority-owned Business Enterprise (MBE)
- Small Business Enterprise (SBE)
- Woman-owned Business Enterprise (WBE)

Please note this list is not all-inclusive; vendors may include other types of widely recognized certification programs in their Diversity Plans.

Scoring the Diversity Plan

The Diversity Plan will be scored as pass/fail. If a vendor does not submit a Diversity Plan, their proposal or bid response will be deemed nonresponsive.

Resources for Finding Diverse Subcontractors

While GLWA will not be maintaining a list of certified vendors, we do recommend the following resources for finding small, minority-owned, and disadvantaged business subcontractors:

1. U.S. Small Business Administration (SBA) [Dynamic Small Business Search](#) enables vendors to search for businesses by location and size as well as by capacity, certifications, and minimum bonding levels;
2. State of Michigan [SIGMA Vendor Self Service](#) (VSS) allows vendors to register to do business with the state of Michigan;
3. [System for Award Management](#) (SAM) allows vendors to register to do business with the US government.

GLWA also encourages vendors to attend pre-bid and pre-proposal meetings for additional business networking opportunities. Note that pre-bid and pre-proposal attendee lists are posted in Bonfire.

Where to Meet GLWA

GLWA attends vendor outreach events throughout southeast Michigan. We welcome you to join us at the Southwest Michigan PTAC "Coffee & Contracting" Zoom webinar on April 14, 2021 from 9-9:30am. [Event registration link](#).

What's Coming Down the Pipe?

Current Solicitations: Be sure to register in [Bonfire](#) for new solicitations and contract award information. *Upcoming Procurements: Next Three to Nine Months* - See page 2

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Maintenance Services	Skilled Trades Contract	TBD
Engineering	North Service Center Pumping Station Improvements (CIP #132016)	\$10,000,000
Construction	Phase II – 14 Mile Transmission Loop Project (CIP #122013)	\$91,000,000
Construction	Northeast WTP Flocculator Improvements (CIP #112006)	\$11,000,000
Construction	Springwells Water Treatment Plant Medium Voltage Electrical System Replacement (CIP #114002 Project B)	\$45,000,000
Design Build	Belle Isle Seawall Rehabilitation (CIP #116005)	\$1,740,000
CMAR	96-Inch Water Transmission Main Relocation Project, Construction Manager-At-Risk (CIP #122004)	\$150,000,000
Wastewater System (next three months)		
Construction	Rehabilitation of Outfalls – Phase III (B-39) (CIP #260508)	\$7,000,000
Design	Control System Upgrade – St. Aubin, Leib, and 7 Mile CSO Facilities (CIP #360619)	TBD
Construction	Oakwood HVAC Improvements (CSO) (CIP #260618)	TBD
Professional Services	Development of CAD and Engineering Standards (TOES)	TBD
Professional Services	Virtual Tour and Laser Scanning Services	TBD
Construction	Connor Creek Dike Improvements (CSO) (CIP #260621)	TBD
Design	WRRF Rehabilitation of the Circular Primary Clarifier Scum Removal System (CIP #211009)	\$2,000,000
Water System (next four to nine months)		
Design Build	WTP Ovation Workstation Upgrade Project (CIP #170303)	TBD
Progressive Design Build	Lake Huron WTP Instrumentation and Filter Control Improvements (CIP #111006)	\$5,400,000
Design	Reservoir Inspection, Design, Construction Administration, and RPR Services (CIP #170802)	\$5,400,000
Wastewater System (next four to nine months)		
Design	St. Aubin Disinfection and Screening Improvements (CIP #260617) (CSO)	TBD
Maintenance	Low-Voltage Wiring	\$7,500,000
Design	Leib Screening & Disinfection Facility Improvements for Meldrum Diversion (CIP #274001) (CSO)	TBD
Design	Oakwood CSO Facility Improvements for NWI Diversion (CIP #278001) (CSO)	TBD
Design	Pilot Netting Facility Project (CIP #270001) (CSO)	TBD
Design Build	Baby Creek Outfall Improvements Projects (CIP #277001)	TBD
Construction	Rehabilitation of CSO Outfall Backwater Gates (CIP #260510)	\$5,000,000
Construction	CSO Generator Improvements (Controls upgrades, Generator modifications) (CSO) (CIP #260600)	TBD
Construction	Hubbell Southfield CSO Basin Pipe Hanger Replacement (CIP #260600)	TBD
Enterprise (next four to nine months)		
Information Technology	Project Management Information System	TBD

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

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



Office of the General Counsel

735 Randolph Street, Suite 1900
Detroit, Michigan 48226

Office of the General Counsel – February, 2021

- **COVID-19:** The Office supports GLWA's response to the COVID-19 pandemic, including participating in GLWA's COVID-19 Task Force, review of COVID-19 related laws, rules and public health orders.
- **NPDES ACO Dismissal:** The Office assisted in preparing documents to have the ACO dismissed.
- **Legislative Updates:** GLWA continues to cooperate with member partners on the Lead and Copper Rules as well and attend webinars on the subject. The Office is also monitoring a bio-solids bill and water assistance bills at the federal and state level.
- **Gordie Howe International Bridge:** GLWA submitted its relocation reimbursement request to MDOT and is awaiting MDOT's response.
- **Trenton Water Main:** The Office is negotiating the transfer of the 24-inch water main to GLWA. GLWA retained a survey company to survey the entire easement area for the transfer documents.
- **Water Contract Negotiations:** GLWA will attempt to secure long term contracts with all communities that are not on the model contract.
- **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, 96% of the communities have passed a concurring resolution and GLWA made a presentation to the City of Highland Park's City Council, which is one of the communities that has not passed a concurring resolution. The Office is also providing assistance on PFAS and PFOS matters.
- **Real Estate:** The Office is negotiating easements related to support the 14 Mile Road redundancy project, 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.
- **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 filed a lawsuit against Highland Park for unpaid water, sewer and IWC invoices. Due to the COVID-19 pandemic, the Courts have not resumed civil jury trials, however, GLWA continues to pursue opportunities to settle cases.
- **Labor Relations:** The Office continues to provide legal advice to Organizational Development on labor relations and employment matters.
- **Procurement:** The Office continues to assist GLWA's Procurement Team negotiate contracts, change orders and amendments and interpret contractual provisions. The Office is also assisting with the Procurement Policy's Procedures and updating GLWA's template contracts. The Office is part of a cross-functional team working to complete significant revisions to the GLWA construction contract, including consideration of using an entirely new contract format.
- **Statistics:**

Contracts approved as to form:	29
Contracts drafted or revised:	62
Subpoenas/Information requests received:	5
Subpoenas/Information responded to:	3