

GLENBARD WASTEWATER AUTHORITY  
Executive Oversight Committee

Agenda

June 8, 2023

**8:00 a.m.**

**945 Bemis Road**

**Glen Ellyn, IL**

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Public Comment
5. Consent Agenda – The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

*Motion the EOC to approve the following items including Payroll and Vouchers for the months of March, April, and May of 2023 in the amount of \$1,260,690.94 (Trustee Christiansen).*

5.1 Executive Oversight Committee Meeting Minutes:

March 9, 2023 EOC Meeting

5.2 Vouchers Previously Reviewed:

March, April, and May 2023 – Trustee Christiansen

5.3 Declaration of Surplus

Per Glenbard’s NPDES Permit, Special Condition 18 Paragraph C, the Authority shall participate in a watershed Chloride Reduction Program, either directly or through the DuPage River Salt Creek Workgroup (DRSCW). One of the primary efforts in the Chloride Reduction Program is to minimize or cease the use of rock salt for road deicing. For many municipalities, completely discontinuing rock salt use is not feasible due to safety concerns on higher speed/higher traffic roadways. Since the Authority only has low speed local traffic at the primary treatment facility and CSO, the choice to discontinue rock salt use does not create any vehicle safety concerns.

In the early 2010’s, in accordance with the efforts of the Chloride Reduction Program and the Authority’s environmental stewardship goals, the Authority agreed to discontinue use of rock salt on primary vehicle traffic areas (some small amounts of rock salt are still in use for staff walkways). As an alternative, a liquid brine solution is used and has worked well for the Authority since that time. Liquid brine deicing utilizes different equipment to spread the solution and as

such, the salt spreading equipment previously used by the Authority is no longer in use. A Saltdogg SHPE2000 Electric Poly Hopper Spreader was purchased by the Authority in 2007 for application of rock salt on paved areas. The Saltdogg is comprised of a large portable hopper that is mounted to the back of one of the Authority's trucks and an electric control unit and wiring harness. Since the hopper, spreader, and control unit have not been used since the early 2010's, some revenue can be generated by auctioning off the no longer used equipment.

Therefore, enclosed with this memo, is the formal resolution to auction off the Saltdogg SHPE2000 Electric Poly Hopper Spreader for approval. The Authority respectfully requests that the EOC motion to approve Resolution No. 002-2023, a resolution authorizing the sale of equipment – Saltdogg SHPE2000 Electric Poly Hopper Spreader.

#### 5.4 CHP Media Purchase

Prior to digester gas being used in the CHP's, the gas needs to be "scrubbed" in order to remove siloxanes and hydrogen sulfide, in order to help preserve the life of the engines. Although the life of the media is tracked, due to varying usage and gas conditions, it is difficult to exactly predict when the media will be reaching its useful life. Since there is little expiration notice, and the media has a long shelf life, we prefer to have the media onsite and available to keep the down time of the engines to a minimum. Therefore, staff obtained pricing ahead of schedule so that the purchase can be made, and available for use when needed.

In the 2023 GWA budget, staff allocated \$100,000 for the purchase of this media in budget category Plant Equipment Rehabilitation account 40-580150. The budget amount was taking into account at least two purchases of the hydrogen sulfide media (similar to current request), and one purchase of the siloxane media.

Therefore, we motion the EOC to authorize approval to purchase CHP media from Unison Solutions in the amount of \$28,950 to be charged to Plant Equipment Rehabilitation account 40-580150. This has been discussed with the TAC, and all are in agreement with the recommendation.

#### 6. Approval of CY2022 Financial Audit

##### 2022 Audited Financial Statements

Attached is the Annual Audited Financial Statements for the Glenbard Wastewater Authority for the fiscal year that ended December 31, 2022.

Financial highlights for the Authority's fiscal year 2022 (FY2022) are presented on pages 6-8 of the report. A complete narrative summary of the Authority's operations and financial position is found in Management's Discussion and Analysis on pages 5-14. I will present highlights of the financial report during the EOC meeting and our audit partner, Jamie Wilkey, will present the auditor's opinion.

The Authority again received an unmodified audit opinion from the auditing firm, Lauterbach & Amen LLP, which is the highest and best opinion.

#### Operating Fund Surplus

The Operating Fund Surplus, before the long-term pension adjustment and adjustment for MICA reserves, was \$375,953. We annually adjust the partners' contributions to match expenses. Using this measure, the Village of Lombard is owed \$218,168 and Glen Ellyn is owed \$157,785 for the fiscal year ended December 31, 2022.

As of December 31, 2022, the Authority's working cash was 34.8% of operating expenses, or \$417,157 above minimum 25% as set in the current intergovernmental agreement. A complete schedule detailing the working cash calculation may be found in the notes to the financial statements (page 33-34). As the year end amount is below the working cash minimum, we can distribute the entire amount.

The operating surplus may be either rebated back to each community or may be distributed to the Capital Fund. In the past, the operating surplus has been distributed to the Capital Fund and has been used for either specific projects or to offset future Capital Fund rate increases to both Villages.

#### Other Communications

There are two other communications that are included as attachments to this memo.

SAS114 Letter: This letter is a required communication between the auditors and those charged with governance. It highlights certain areas that auditors are required to disclose each year to those charged with governance.

Management Letter: This letter only highlights forthcoming accounting standards for the coming year. There are no internal control matters reported in the letter.

#### Proposed Action Items:

Motion to accept the Audited Financial Statements of the Glenbard Wastewater Authority for the fiscal year ended December 31, 2022 and to forward the audit report to the full Authority Board for final approval at the next annual meeting.

Motion to allocate the 2022 operating surplus of \$375,953 to the Capital Fund.

#### 7. Retroactive Approval of Emergency Purchases related to Intermediate Screw Pump Failure

In late February 2023, the Authority experienced a couple of critical failures in one of its essential processes, all related to the failure of two of the Authority's three intermediate screw pumps. Due to the urgency of the situation, as explained in greater detail in the enclosed memo, the Authority moved forward on an emergency basis and purchases were made as such. Due to all of these costs being related to the failure of the intermediate screw pumps, it could be viewed as all related to one single project/repair, and the total amount of \$98,377.66 would require EOC approval.

Therefore, Authority requests the EOC retroactively approve the emergency purchases of new bearings for the East Screw Pump in the amount of \$4,442.03, a new gearbox shaft for the East Screw Pump in the amount of \$6,980, a new motor shaft for the West Screw Pump in the amount of \$3,984.20, and the rental of emergency pumps in the amount of \$87,413.46, totaling \$98,377.66 altogether. These costs were taken out of various budget categories deemed most appropriate, and were all unbudgeted for. It is expected that this unforeseeable failure will have negative impacts on the overall CY2023 operating budget, which will be further determined later in the year during the CY2024 budgeting processed.

8. Authorization to Award Plant Resurfacing

In the previously approved 2020 budget, Authority staff added a “Bemis Road, Administrative Parking Lot Improvements, and Plant Resurfacing” Capital Improvement Project which was originally scheduled for the year 2024. This capital project was moved up to 2023 and had an approved budget amount of \$1.1 million dollars.

As the name suggests, this project is intended to reconstruct/resurface the asphalt areas of Bemis Road, redesign and resurface the Administrative Parking Lot, and resurface the on-premise roads at the primary plant and Lombard CSO facilities. To capitalize on economies of scale, GWA intended to partner with the Village of Glen Ellyn’s paving project to reconstruct/resurface all of these areas. Bemis Road is being included as part of the scope of this project as it is likely that the truck traffic to and from the main treatment plant has contributed to accelerated deterioration of the road and, as such, GWA will pay for a portion of the resurfacing. The intended paving project of Bemis Road was pushed back to 2024 by the Village of Glen Ellyn, but because of the rapidly deteriorating on-premise roads at the main treatment plant and at the Lombard CSO, it is recommended that the resurfacing of those areas still be done this year.

With the continued interest in capitalizing on economies of scale, GWA partnered instead with the joint program between the Villages of Lombard and Woodridge which will allow this portion of the project to move forward in 2023 and save on costs compared to bidding it ourselves. As the bid amount came in at about 30% of the total budgeted amount for repaving and within 2% of the engineers estimate for the project, enough funds remain to complete the remainder of the paving project for Bemis Road and the administrative parking lot with the Glen Ellyn paving program next year.

Therefore, it is recommended the EOC authorize the Authority to award Brothers Asphalt Paving with a notice to proceed for the 2023 Asphalt Resurfacing Program in the amount **\$344,590.63**. This amount will be taken out of the CY2023 Approved Budget, Capital Plan, Fund 40-580180-23001.

9. 2023 NRI Rehabilitation Project Construction Contract Award

In September 2022 the Executive Oversight Committee awarded Final Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program to RJN Group. The Glenbard Wastewater Authority owns, operates, and

maintains approximately 6 miles of interceptor sewer, ranging from 18” diameter to 66” diameter, a small length (2000’) of 8” collector sewer, and over 90 manholes. The majority of the collection system was constructed in the late 1970’s after the formation of the Authority through an Intergovernmental Agreement between the Villages of Glen Ellyn and Lombard, and is mostly prestressed concrete cylinder pipe (PCCP). The Authority’s collection system has had little in ways of rehabilitation performed on it since being put into service; however, it has been routinely inspected.

The first phase of project was publicly advertised on January 23, 2023, with a bid opening date of February 23, 2023, and with an engineer’s estimate of \$359,450 (including alternates). Alternates for this project, including the rehabilitation of manholes in addition to the pipe segments itself, and would only be utilized if the total project cost came in below or around the engineer’s estimate. The original bid opening date was postponed to March 15, 2023, at which time, the Authority only received one bid in the amount of \$767,438.05 (including alternates). Due to only having one bid, and that bid being significantly over the estimate and what was budgeted, the Authority chose not to recommend award.

Based on conversations with potential bidders, there were some concerns about the original scope of the project, and the completion dates given in the bid package. Therefore, the scope and completion time were modified, and the bid package was re-advertised. After a May 10, 2023 bid opening, the Authority received two bids as summarized in the table below:

	<b>Engineers Estimate</b>	<b>Hoerr Construction</b>	<b>Benchmark Construction</b>
<b>Base Bid</b>	\$306,575	\$683,295	\$488,000
<b>Alternate</b>	\$52,875	\$47,250	\$260,375
<b>Total</b>	<b>\$359,450</b>	<b>\$730,545</b>	<b>\$748,375</b>

After analyzing the breakdown of the bids, it revealed that most costs contained in the bids are aligned closely with the engineers estimate, with the exception of the bypass pumping. Therefore, the Authority’s consultant engaged in discussion with the bidders, and determined that since means and methods were left up to the bidder, poor designs were proposed, as well as “worst case scenarios” being considered. These discussions quickly lead to the determination that more than likely the bypass pumping costs could be reduced significantly during construction.

The Authority discussed several different options with the RJN Group, the Authority’s legal representation, and with the Technical Advisory Committee. Of the several alternatives discussed, it was decided the option most likely to provide competitive and appropriate pricing, is to reject all previously submitted bids and negotiate directly with the combined three bidders from the past two bid openings for the contract. This will allow RJN group to attempt to rectify the portions of each bid that came in uncharacteristically high and allow each bidder to put forth a bid price that matches the true intent of the scope for each line item per the engineers’ specifications, while remaining a competitive process. The Authority and RJN group agree that delaying the

project could potentially lead to failures of infrastructure that are in need of rehabilitation and/or lead to greater costs for repair in the future, and rebidding the project seems likely to yield similar results. As such the Authority believes moving forward with a different approach will provide the best outcome. A final contract for the NRI Rehabilitation Project will be presented to the EOC at a future meeting for consideration.

The Authority staff requests two motions from the EOC; to reject all previously submitted bids for the 2023 NRI Rehabilitation project, and approve waiving of the competitive bids to award a contract based upon negotiations with the three past bidders for the NRI Rehabilitation Project in accordance with Section C, 1: Exceptions to Competitive Bidding of the Glen Ellyn Village Purchasing Policies and Procedures (per the IGA, the Authority follows the lead agencies purchasing policy), which states, *“A purchase or contract over \$20,000 that is by its nature not adapted to award by competitive bidding may be approved by a 2/3<sup>rd</sup> vote of the Village Board.”*

## 10. Discussion

### 10.1 Digester Upset

In late April the Operations department performed a practice scenario of isolating Digester #1 in order to help prepare for the pending Digester #1 cleaning. In this practice scenario, all valves that normally alternates feeds of sludge and high strength waste into each digester were isolated to Digester #2, as that would be the digester in service during the cleaning of #1. After the practice was complete, all operations were set back to normal in the Authority’s SCADA system, the computer system that monitors and controls most equipment.

Two days later, the on-call operator was called in overnight to respond to a high level in Digester #2. Upon arriving, the digester was foaming, and had an odor of sour sludge. Andy Pakosta, the Authority’s Operations Superintendent, immediately responded and performed laboratory tests to determine the digester was in-fact upset. After further investigation, it was found that even though a valve stated it had returned to normal operations in SCADA, the valve was found to be stuck to only feeding Digester #2 with high strength waste instead of alternating between digesters. This caused the amount of high strength waste that would have normally been split between two digesters (Digester #1 is also larger) to be fed solely into Digester #2.

The Authority immediately took all the actions listed in its standard operating policy that was created after the last digester upset. Although a considerable amount of overtime was spent, due to the Operations departments diligence and dedication, the digester upset only lasted under two weeks, as opposed to the months it could have been. In addition, no odor complaints were received, again, due to the hard work of the Operations department to mitigate odors as much as feasible.

## 10.2 Digester Cleaning Update

At the March 9, 2023 EOC meeting, a contract was awarded to Synagro for the Digester Cleaning and Disposal of Municipal Sludge Project at a rate of \$0.325 per gallon removed and hauled. Prior to beginning the project, the Authority had a goal to pump as much sludge from Digester 1 as possible, in order to reduce the overall price of the contract. The total amount that could be removed was unknown, as it is largely dependent on the characteristics of the sludge contained in the digester at this time, as well as the ability of the Authority's pumping system to draw down the solids.

The Authority's Operations staff diligently worked to remove more than anticipated, leaving approximately 311,000 gallons left for Synagro to remove and haul away, as opposed to the estimated 400,000 gallons stated in the bid advertisement. Therefore, the total project cost should come out to \$101,075 instead of the estimated \$140,000.

## 10.3 Natural Gas Procurement Update

After being approved to seek procurement of a new natural gas supply contract at the March 9, 2023 EOC meeting, on May 17, 2023, the Authority locked in a new fixed rate of \$0.46711/therm for three years beginning in April 2024 with Constellation. The new rate is a significant increase over the previous historic low rate of \$0.281/therm rate that has been in place since April 2021.

## 10.4 Intergovernmental Agreement Revision per the findings in the United States Environmental Protection Agency (USEPA) Administrative Order of Consent (AOC)

As discussed at the March 2023 EOC meeting, the Authority was issued a draft AOC from the USEPA, with one of the violations being that the existing IGA that formed the Authority lacked sufficient language describing the Authority's ability to enforce its USEPA mandated Pretreatment Program. Therefore, they are requiring some additional language be inserted into the IGA.

The revisions to the IGA between Lombard and Glen Ellyn that the USEPA is requiring would have no additional impacts operationally and financially to the Villages or the Authority than what is already in place. The language is essentially solidifying what is currently stated in various language between the existing IGA and the sewer use ordinances, or other unwritten relationships that are already in practice. Below are summaries of the specific paragraphs that are being added:

- The Villages agree to adopt the pre-treatment sewer use ordinance per USEPA requirements (already adopted by each Village)
- The Villages agree to adopt local limits (which are contained within the sewer use ordinances and currently adopted)

- The Authority is responsible for using “control mechanisms” to industrial users within the Villages, which essentially means the Authority monitors the industrial users, and issues any notice of violations or any other mechanisms to keep industrial users compliant with the pretreatment ordinance. This also includes that the Authority is responsible for issuing fines, however, they are assessed through the Villages’ building code enforcement (currently how it’s set up)
- The Villages agree to share any records with the Authority that may affect the pretreatment program
- The Villages authorize Authority staff right of entry, inspection, and sampling of industrial users
- The Authority, as an agent of the Villages, may take emergency action to stop or prevent any discharge which presents, or may present, an imminent danger to human health or environment
- Specifically list out the other IGA’s each Village has with other entities that are tributary to the Authority (VOGE = Illinois American and DuPage County, VOL = Flowerfield).

The enclosed revised IGA incorporates all the language the USEPA desired, and has already been adopted by both Village Boards. Therefore, the last remaining step will be to formally adopt the revised IGA at the Authority’s next Full Board Meeting, which is anticipated in November, 2023.

## 10.5 PFAS Position Statement

Recently many media headlines have been focused on Per- and Polyfluorinated Substances, also known as PFAS. PFAS substances are a group of chemicals used to make fluoropolymer coatings and products that resist heat, oil, stains, grease, and water. These products were man-made, and have been found to have potential detrimental effects on human health.

Most headlines have focused on the contamination of clean drinking water, or other methods that can lead to human consumption, however, many headlines have also made mention of how to handle PFAS that arrives to wastewater treatment plants, where it can be sent out in plant effluent, or contained in biosolids that are used for fertilizer on farm fields. State legislation has evaluated a number of different PFAS bills that could have significant impacts on operational costs at public owned treatment plants such as the Authority.

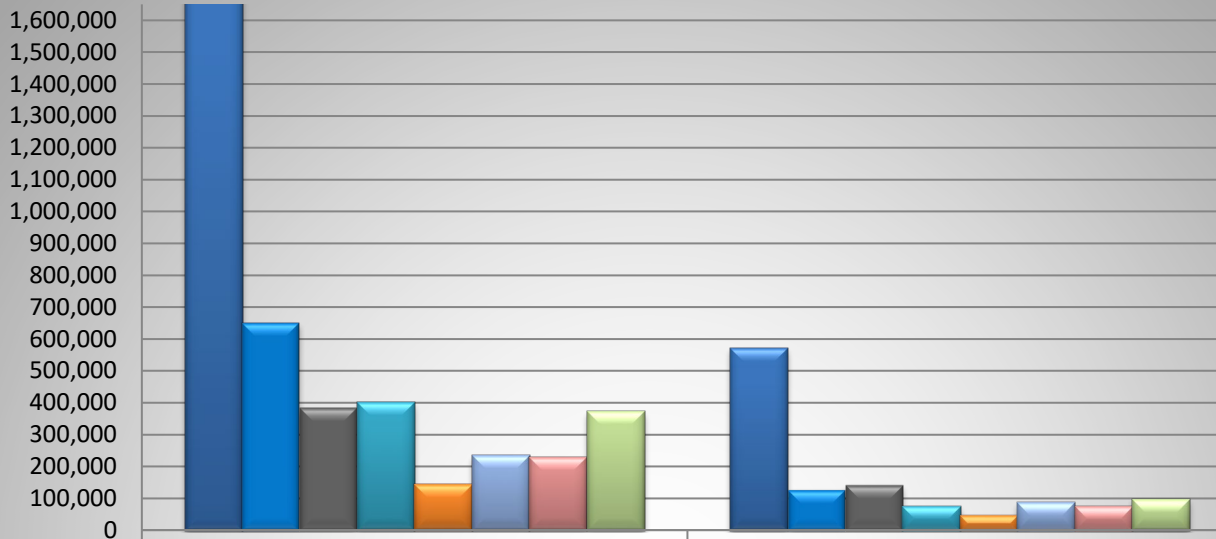
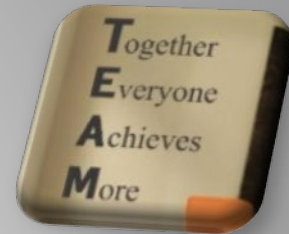
The Authority is a member of the Illinois Association of Wastewater Agencies (IAWA), an organization that represents close to 100 years of transition and growth of publicly owned wastewater treatment plants in the state of Illinois. IAWA retains lobbyists that advocate for the greater good of these organizations at the state capital.

Due to the visible presence of PFAS issues in media, and likelihood of concerned leaders and citizens, IAWA has decided to release a position statement that can be

utilized by its members. This draft position statement is enclosed in the agenda packet. Once finalized, it would be the intent of the Authority to post this position statement on its website, and provide it for reference for any inquires if asked what the Authority is doing in regard to PFAS.

11. Other Business
  - 11.1 Technical Advisory Committee Updates
12. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, July 13, 2023 at 8:00 a.m.***

# April 2023 O&M Expense \$ Reporting

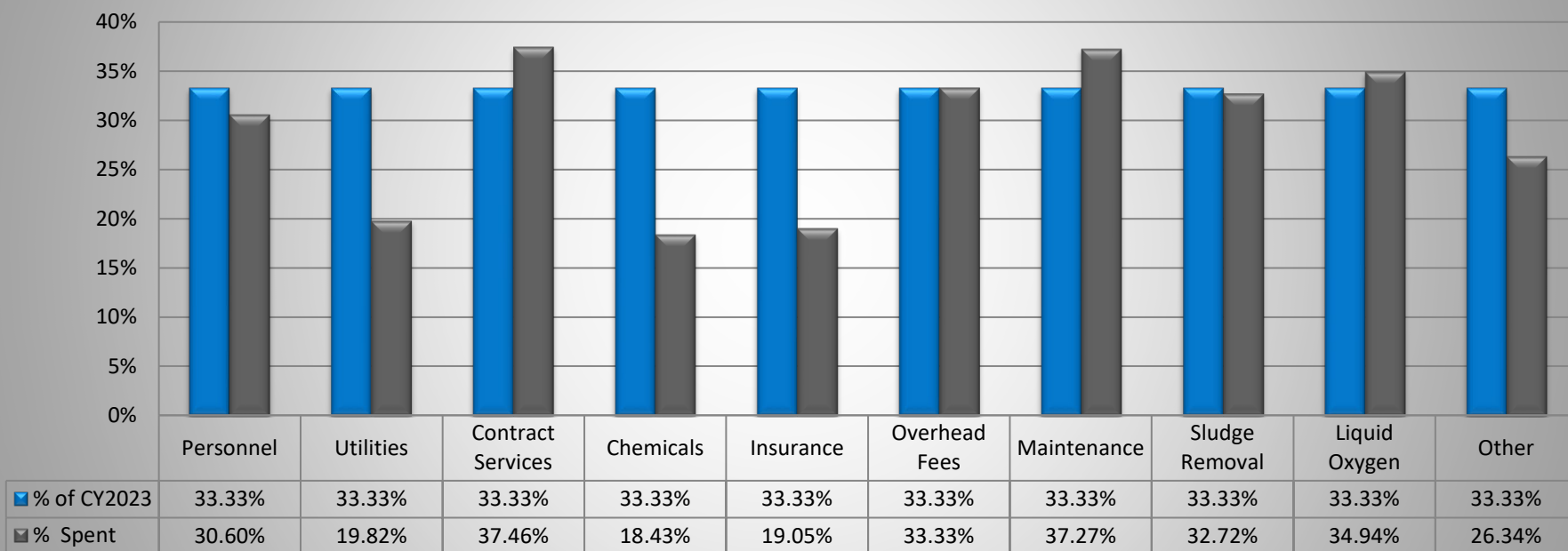


	CY2023 Budget	Spent Year to Date
Personnel	\$1,870,648	\$572,397
Utilities	\$650,400	\$128,883
Contract Services	\$381,388	\$142,864
Insurance	\$400,000	\$76,218
Overhead Fees	\$145,504	\$48,500
Maintenance	\$233,606	\$87,063
Sludge Removal	\$230,000	\$75,264
Other	\$372,439	\$98,115

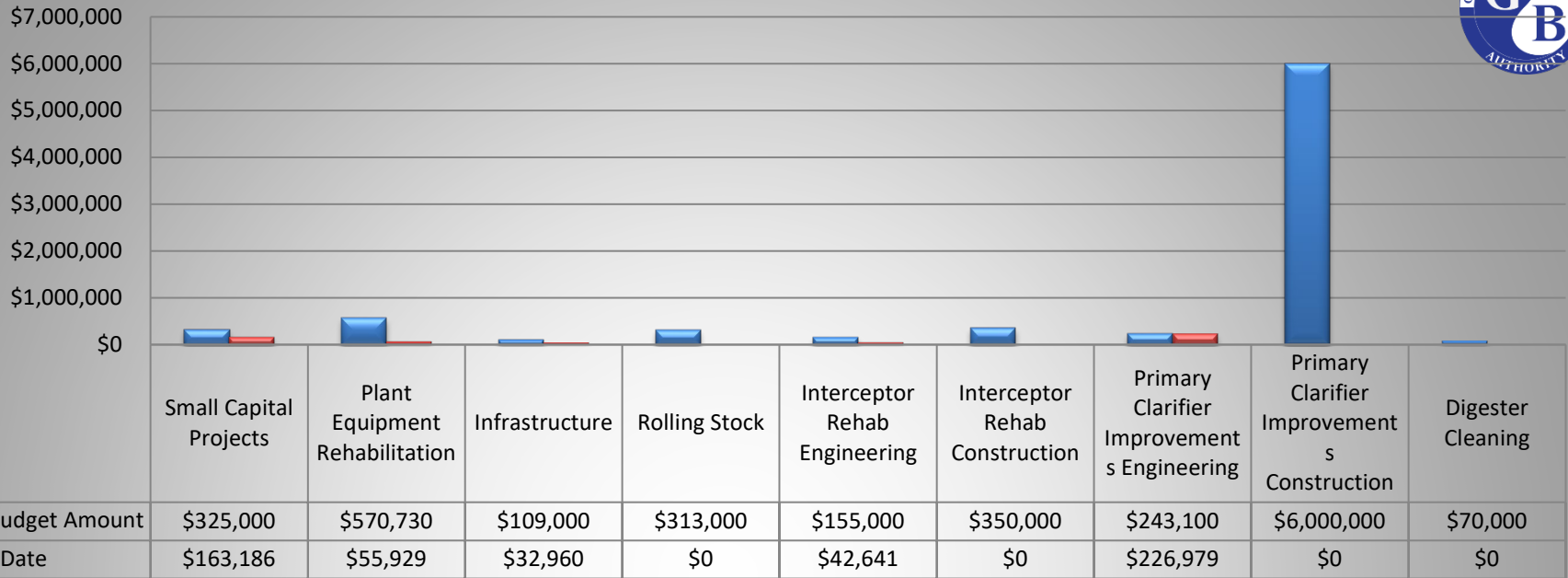
	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
<b>CY2023 Budget</b>	\$1,870,648	\$650,400	\$381,388	\$296,000	\$400,000	\$145,504	\$233,606	\$230,000	\$335,000	\$372,439
<b>Spent Year to Date</b>	\$572,397	\$128,883	\$142,864	\$54,562	\$76,218	\$48,500	\$87,063	\$75,264	\$117,042	\$98,115
<b>% of CY2023</b>	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
<b>% Spent</b>	30.60%	19.82%	37.46%	18.43%	19.05%	33.33%	37.27%	32.72%	34.94%	26.34%



## April 2023 O&M Expense % Reporting



# May 2023 Project Updates



Description	Project Budget Amount	Spent to Date	Updates
Small Capital Projects	\$325,000	\$163,186	May 30, 2023
Plant Equipment Rehabilitation	\$570,730	\$55,929	May 30, 2023
Infrastructure	\$109,000	\$32,960	May 30, 2023
Rolling Stock	\$313,000	\$0	May 30, 2023
Interceptor Rehab Engineering	\$155,000	\$42,641	May 30, 2023
Interceptor Rehab Construction	\$350,000	\$0	May 30, 2023
Primary Clarifier Improvements Engineering	\$243,100	\$226,979	May 30, 2023
Primary Clarifier Improvements Construction	\$6,000,000	\$0	May 30, 2023
Digester Cleaning	\$70,000	\$0	May 30, 2023

# **SECTION 5.0**

## **CONSENT AGENDA**

**SECTION 5.1**

**MINUTES –**

**MARCH 9, 2023**

**MEETING**

**GLENBARD WASTEWATER AUTHORITY**  
**Executive Oversight Committee**  
**Agenda**  
**March 9, 2023**  
**8:00 a.m.**

Members Present:

Keith Giagnorio	President, Village of Lombard
Mark Senak	President, Village of Glen Ellyn
Robert Bachner	Trustee, Village of Lombard
Scott Niehaus	Village Manager, Village of Lombard
Mark Franz	Village Manager, Village of Glen Ellyn
Carl Goldsmith	Public Works Director, Village of Lombard
Dave Buckley	Public Works Director, Village of Glen Ellyn

Others Present:

Matthew Streicher	Executive Director, GWA
Jeremy Henning	Assistant Director, GWA
Rick Freeman	Electric Superintendent, GWA
Jon Braga	Maintenance Superintendent, GWA
Andrew Pakosta	Operations Superintendent, GWA
Larry Noller	Finance Director, Village of Glen Ellyn
Gayle Lendabarker	Executive Assistant, GWA

1. Call to Order at 8:00 am
2. Pledge of Allegiance
3. Roll Call: President Giagnorio, President Senak, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Goldsmith, and Mr. Buckley answered “Present”. Trustee Christiansen was excused.
4. Public Comment
5. Consent Agenda – The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

*Motion the EOC to approve the following items including Payroll and Vouchers for the months of December 2022, January 2023 and February 2023 totaling \$1,869,595.32 (Trustee Christiansen).*

*Mr. Streicher noted that Consent Agenda Item 5.4 needs to be removed from consideration, as between the time the packet was distributed and this morning, GWA's Attorney had some minor red line revisions to the agreement that was in the packet,*

*mainly just legal language that attorneys like to add. Mr. Streicher advised that this item is a no cost assessment and was going to seek approval pending language approval from GWA's attorney.*

*Mr. Niehaus asked Mr. Streicher if he is seeking a Motion to remove Consent Agenda Item 5.4 and approve the remaining Consent Agenda items. Mr. Streicher confirmed that is what he would like to have done.*

**Mr. Niehaus motioned and President Senak seconded the *MOTION to approve the Consent Agenda with the removal of Item 5.4, which will be discussed immediately following the roll vote. President Giagnorio, President Senak, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Goldsmith and Mr. Buckley, responded "Aye" during a roll vote. The motion carried.***

- 5.1 Executive Oversight Committee Meeting Minutes:  
December 8, 2022 EOC Meeting
- 5.2 Vouchers Previously Reviewed:  
December 2022, January 2023 and February 2023 – Trustee Christiansen
- 5.3 Ratification of January 11, 2023 Email Poll Items
  - 5.3.1 Sodium Thiosulfate Contract Award

The Glenbard Wastewater Authority posted the bid notification publicly through an advertisement to bid that was published in the Daily Herald on December 5, 2022. The deadline for receipt of the sealed bids was December 21 at 11:00 a.m.

After opening the bid documents, reviewing the unit prices, and confirming that all required documentation was present, Alexander Chemical was the lowest responsive, responsible bidder. Alexander Chemical had been the Authority's long-term Sodium Hypochlorite provider previously, therefore, due to previous experience the Authority does not have any reason to deny them award of the new contract. The Authority has been aware that both chemical costs, as well as hauling costs, have increased significantly since the last time this item was bid; and therefore, had included an increased budget amount in the CY2023 budget to anticipate for the higher costs. The low bid of \$3.487/gallon is a 35% increase over the previous price of \$2.59/gallon.

The Operations Staff requests the EOC to allow awarding of a three-year contract to Alexander Chemical for the purchase and delivery of Liquid Sodium Thiosulfate \$3.478 per gallon delivered with the amount expensed to CY2023 O&M Budget 270-1-530440.

### 5.3.2 Sodium Hypochlorite Contract Award

The Glenbard Wastewater Authority posted the bid notification publicly through an advertisement to bid that was published in the Daily Herald on December 5, 2022. The deadline for receipt of the sealed bids was December 21, 2022 at 10:00 a.m.

After opening the bid documents, reviewing the unit prices, and confirming that all required documentation was present, Rowell Chemical Corporation was the lowest responsive, responsible bidder. Alexander Chemical had been the Authority's Sodium Hypochlorite provider in the past, however, after reference checks Rowell Chemical Corporation appears to be a reliable provider as well. The previous price the Authority was paying competitively per gallon of Sodium Hypochlorite was \$2.426 per gallon to Alexander Chemical Corporation, which had seen several increases since when it was previously bid in 2020. The Authority has been aware that both chemical costs as well as hauling costs have increased significantly since the last time this item was bid, and therefore had included an increased budget amount in the CY2023 budget to anticipate for the higher costs. The low bid of \$2.12 per gallon is a 14.4% decrease over the previous price of \$2.426 per gallon.

The Operations Staff requests the EOC to allow awarding Rowell Chemical the 6-Month, with automatic renewal for an additional 6-Month term if there are no price changes for the Sodium Hypochlorite supply contract for a unit price of \$2.12 per gallon delivered. The cost of the Sodium Hypochlorite will be expensed to the Glenbard's Stormwater Plant CY2023 O&M budget line item 270-1-530440.

### 5.3.3 Polymer Supply Award

The Authority uses a polymer to help coagulate digested sludge during the dewatering process, as is typical in wastewater treatment. The purpose of the polymer is to help yield greater percent solids in the biosolids materials, and therefore relieves significant hauling costs. Since the amount of polymer used is dependent on how much sludge is produced, the quality of the sludge, as well as the amount of sludge dewatered – pricing for polymer is obtained on a dollar per pound basis. Approximately \$20,000-\$40,000 of polymer is used per year, and is budgeted for appropriately in the “270-530440 Chemicals” budget line.

The Operations Staff requested quotes for the supply of polymer, and after receiving only two quotes, as seen in the enclosed memo, the Authority respectfully requests approval to purchase polymer from Polydyne, our current

supplier, at a cost of \$1.68 per pound. The Authority has used Polydyne for years without any major issues with their product or delivery services. This cost is a 14.3% increase over the previous price of \$1.47.

5.3.4 Request for Authorization to Enter into Year 2 of 5 of the Lease of Atmospheric Vaporizers and Airgas Liquid Oxygen Hauling Agreement

In February 2022, after detailed evaluation and analysis, as well as based on qualifications and price, the EOC approved to enter into a 5-year agreement with Airgas for the hauling of liquid oxygen and leasing of atmospheric vaporizers. GWA requests waiver of bids and authorization to continue into year two of the five-year contract for the leasing of atmospheric vaporizers and liquid oxygen hauling with Airgas in CY2023. Starting in April 2023 Liquid Oxygen hauling will be priced at \$0.3938/per 100 cubic feet, and invoiced to Fund 270-530443 in the CY2023 Budget. Atmospheric Vaporizers Leasing will be priced at \$1,500/month, and invoiced to Fund 40 Capital Plan in the CY2023 Budget.

This contract is set to expire in April 2027, and therefore both the supply of liquid oxygen and the atmospheric vaporizer leasing will be rebid at that time to obtain competitive pricing.

5.4 Solar Feasibility Study Agreement

The Authority is looking to enter into an agreement that would provide consulting services to conduct an investigation/study into the feasibility of a solar power “power purchase agreement” (PPA) for the Authority, wherein the Authority would host solar panels onsite, and use the solar power instead of power off the grid. The Authority would not own/maintain the proposed equipment, but instead would pay a rate to the PPA provider (not the consultant) in lieu of our electric supply rate. It would most likely be a 20-year term, if the Authority chose to enter into it. The services are free of charge, GWA can back out of the agreement at any time, without any penalties. If the consultant finds it is feasible, they would perform a very transparent competitive RFP to qualified solar providers for such services, at which time the Authority would receive formal prices from different providers for the PPA. The Authority would select the lowest price, providing it is at/lower than the existing electric supply rate, and enter into the agreement (per Executive Oversight Committee approval). If no providers come back with a rate worth pursuing, once again, the Authority is not committed to entering into a PPA, and can back out without any penalties.

**Mr. Niehaus motioned and President Senak seconded the *MOTION that Item 5.4 be approved, after final review and approval by GWA’s legal counsel and noted for the record that this study is a “no cost” item. President Giagnorio,***

***President Senak, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Goldsmith and Mr. Buckley, responded “Aye” during a roll vote. The motion carried.***

#### 5.5 UV Disinfection System Toroidal Transformer Replacement

Since the UV System rehabilitation completed in 2017, the Authority has replaced failed toroidal transformers in four of the eight UV Power Distribution Cabinets (PDC's). The PDC's were originally fitted with 7.5kVA transformers, the replacements now recommended by the manufacturer and installed by GWA thus far have been 10.0kVA. To ensure continued disinfection staff determined the best path forward would be to budget for replacement of the remaining 7.5kVA transformers in CY-23. The Authority is seeking purchase authorization to replace the toroidal transformers in the remaining four PDC's. Enclosed in the agenda packet is a quote from IronBrook Partners, the sole source OEM for this equipment, in the amount of \$30,000 plus \$900.00 shipping. Lead time at this point in time is approximately 4-6 weeks. Due to the specialized nature/design of this equipment, it is not available through any other suppliers.

As this purchase is for an existing OEM system, it is being requested to waive competitive bidding for this purchase based on Section C.1.f of the purchasing policy, which waives competitive bidding for “Standardization purchases, defined as technical nature of certain items or services may result in the standardization of a particular supplier's specifications being necessary or desirable to Village operations. Competitive bidding may be waived if the Village requires compatibility with existing software, machinery, or other existing equipment.” Funds for this planned expenditure “UV System Toroidal Transformers” were included in the CY-23 Budget, Fund 40, Small Capital account 580120, in the amount of \$40,000.

#### 5.6 CHP Media Purchase

Prior to digester gas being used in the CHP's, the gas needs to be “scrubbed” in order to remove siloxanes and hydrogen sulfide, in order to help preserve the life of the engines. Although the life of the media is tracked, due to varying usage and gas conditions, it is difficult to exactly predict when the media will be reaching its useful life. Since there is little expiration notice, and the media has a long shelf life, we prefer to have the media onsite and available to keep the down time of the engines to a minimum. Therefore, staff obtained pricing ahead of schedule so that the purchase can be made, and available for use when needed.

In the 2023 GWA budget, staff allocated \$100,000 for the purchase of this media in budget category Plant Equipment Rehabilitation account 40-580150. The budget amount was taking into account at least two purchases of the hydrogen sulfide media (similar to current request), and one purchase of the siloxane media.

Therefore, we motion the EOC to authorize approval to purchase CHP media from Unison Solutions in the amount of \$28,950. This has been discussed with the TAC, and all are in agreement with the recommendation.

#### 6. Digester Cleaning Contract

During the month of February, the Authority placed an advertisement for bid Digester Cleaning and Disposal of Municipal Biosolids at the main Glenbard plant. This contract will consist of removing remaining contents of digester number one and cleaning the digester. Per standards, it is recommended to clean anaerobic digesters every 7-10 years. This digester was last cleaned in 2016. Although it only has been 7 years, due to the receiving of high strength waste for the entirety of the time since it has last been cleaned, it is recommended to clean it on the 7-year interval and determine any possible impacts. If no negative consequences are observed, the next cleaning of digester number one would be tentatively scheduled for 2033.

After a competitive public bid opening, it is recommended the Executive Oversight Committee authorize the Authority to award the Digester Cleaning and Disposal of Municipal Sludge to Synagro at a rate of **\$0.325 per gallon removed and hauled**. This contract was budgeted for in the CY2023 Approved Budget, Fund 40-580150 Plant Equipment Rehabilitation.

*Mr. Streicher advised that Mr. Henning would be handling the next several agenda items.*

*Mr. Henning explained that digester #1 is scheduled for cleaning, as it was last cleaned in 2016. Mr. Henning stated that the typical cleaning schedule for digesters is every seven (7) to ten (10) years; however, as this digester has been receiving high strength waste on a continual basis, staff felt it was advisable to have the digester cleaned sooner, and evaluate if moving to a ten (10) year plan would be feasible. Mr. Henning explained that there were three (3) bidders; and after discussions with the original lowest bidder, who withdrew their bid as they were too aggressive with their pricing once they realized the project was more involved than they thought. Mr. Henning stated that as a result, Synagro had submitted the next lowest bid and, as GWA has experience with Synagro, staff is confident they can perform the work.*

*Mr. Streicher clarified that the documentation states a price per gallon removed, since the quantity is not yet known, and GWA staff intends to pump down the digester as far as possible to minimize the overall costs. Mr. Streicher noted that overall cost stated in the memo was \$140,000 and only \$70,000 had been allocated in the CY2023 budget. Mr. Streicher added that he entered the budget cost based on the previous cleaning of a digester in 2018 that was smaller in volume than Digester #1; and admitted this was his first mistake; then he had only calculated for 20% inflation, and it is apparent that the inflation rate for this type of work is significantly more over the past seven (7) years. Mr. Streicher advised that while the estimated project is over budget, the number budgeted*

*was under estimated and staff will make every effort to remove as much material as possible to help reduce the project's total cost.*

*Mr. Streicher advised that mid-year, staff will evaluate the Capital Budget and see where the budget stands, and review which projects came in over budget, which projects GWA may not be moving forward with this year, and which can be deferred or cancelled altogether; serving as a checks and balance to make sure GWA is not taking too much out of the fund for future years.*

*Mr. Senak asked if that was the method by which GWA will find the money to pay for the additional expense. Mr. Streicher confirmed that it was.*

***Mr. Goldsmith motioned and Mr. Buckley seconded the motion to award the Digester Cleaning and Disposal of Municipal Sludge to Synagro, at a rate of \$.0325 per gallon as recommended by GWA Staff, with funds allocated in the CY2023 Approved Budget, Fund 40-580140. President Giagnorio, President Senak, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Goldsmith, and Mr. Buckley, responded "Aye" during a roll vote. The motion carried.***

7. Illinois Environmental Protection Agency State Revolving Loan Requirements  
Contract Laboratory Services Open Purchase Order Request

The Authority will soon be applying for a low interest loan through the Illinois Environmental Protection Agency (IEPA) State Revolving Fund (SRF) program for the Primary Clarifier Improvements Project that is expected to be bid in the Spring of 2023. When applying for the previous Biosolids Improvements Project SRF loan in 2020, Authority and Village approvals of documents proceeded in the same fashion as was done for previous loans in 2007 and 2016. Because GWA is not a stand-alone entity that sets rates, bills customers and collects revenue on its own, the IEPA requires ordinances from each Village verifying they approve of the loan, and that they commit to make payments to the Authority to enable repayment of the loan.

The Authority respectfully requests the EOC's approval of the enclosed Resolution authorizing and approving the \$6,500,000 loan through the IEPA SRF Loan Program.

The Authority also requests the Executive Oversight Committee formally adopt the enclosed resolution authorizing the Executive Director to sign loan application documents, so that the loan application may be submitted to the IEPA.

*Mr. Henning explained that GWA is seeking an IEPA Loan for the Primary Clarifier Rehabilitation project, and while GWA was originally on the intended funding list, GWA was bumped to the by-pass list. Mr. Henning stated that staff is in the process of completing the loan application steps, much as we have done with previous IEPA loans in 2020 and 2016. Mr. Henning indicated that this is a big project and costs have ballooned, as we have seen with many other projects, and is now estimated to be \$6.5*

*million dollars. Mr. Henning continued, stating there are several items that need to be signed today as part of the application process; a resolution authorizing GWA to accept the loan and authorizing the Villages to pass loan ordinances, as well as an authorization allowing the Executive Director to sign the loan documents.*

*Mr. Niehaus asked Mr. Goldsmith if the Village of Lombard has an authorizing Ordinance on the Village Board's agenda. Mr. Goldsmith stated that it is on their Village Board meeting agenda for the following Thursday, and will be committing to 59% of the \$6.5 million dollars based upon flow splits. Mr. Streicher asked if there was an additional step the Village of Lombard needed to take as well. Mr. Goldsmith noted that as the Village of Lombard is not home rule, they have a petition that must be made available to anyone who wants to oppose the loan. Mr. Streicher asked if it was a 30-day posting. Mr. Goldsmith advised that he thought it was 15-days, but will double check the information. Mr. Goldsmith stated that they will provide a certified copy of the ordinance and all supporting documentation once everything has been completed.*

*Mr. Franz stated that the Village of Glen Ellyn is looking to complete theirs on April 10, 2023.*

*Mr. Goldsmith asked if the interest rate was 1.84%. Mr. Streicher advised that there is a potential for that to be the rate, but currently the rate is at 1.24%.*

***Mr. Niehaus motioned and Mr. Franz seconded the motion to adopt Resolution 01-23 authorizing and approving the \$6,500,000 loan through the IEPA SRF Loan Program and authorize the Executive Director to sign the loan application documents, so that the loan application may be submitted to the IEPA. President Giagnorio, President Senak, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Goldsmith, and Mr. Buckley, responded "Aye" during a roll vote. The motion carried.***

8. Natural Gas Supply Procurement

The Authority's Natural Gas contract expires March 31, 2024, at which time the existing contract would automatically renew for successive one-month periods unless formal notice is given. With the successive one-month periods, the contract states the price per dekatherm will be the "index" price (price per dekatherm listed in Natural Gas Intelligence's Bidweek Survey) *plus transportation, fuel and any other charges associated with the delivery of gas to the Delivery Point.* This could result in significant price increases for the Authority unless a new contract is secured prior to the existing contract's expiration. Due to the rapid market changes and the inability to secure prices for not much more than a day, it would be in the best interest of the Authority and the Executive Oversight Committee (EOC), if the Executive Director were able to secure prices when they appear to be at their lowest point. Therefore, following the success of the EOC approved Natural Gas and Electricity procurement practice utilized in October and November of 2014, July 2017, September 2020, and again most recently with Electric Supply in 2021, the Authority is requesting that the Executive Director be

provided the ability to secure prices for Natural Gas Supply when they appear to be at their lowest point.

The selection process as requested is outlined below:

1. Receive quotes from all qualified Natural Gas suppliers.
2. Identify and confirm the lowest three- or four-year contract prices.
3. Have legal do a review of the contract.
4. The Executive Director will sign the contract documents.
5. Contract Documents and Information about the Electric supplier presented to the EOC in the consent agenda at the next scheduled EOC meeting.

This process provides the Authority with the best means to acquire the lowest pricing in the most efficient manner. The Technical Advisory Committee (TAC) is agreement with this approach, as it allows the Authority to capitalize on market opportunities. It is requested that the EOC motion to authorize the Executive Director to secure Natural Gas Supply when rates are at or below \$7.50/MMBtu. The Authority's existing rate is \$2.81000/MMBtu.

*Mr. Streicher advised that GWA's current natural gas supply contract is due to expire in 2024, and, as in the past, GWA is currently seeking the next contract that would be effective in 2024. Mr. Streicher noted that due to the amount that GWA spends on utilities, this would typically be subject to a bid opening on a particular date; however, in the past what GWA has done on these contracts is seek authorization to waive competitive bidding, and instead, seek quotes on a daily basis, and take action to lock in a rate that meets GWA criteria versus having a bid opening and being locked into whatever the rate is on that date. Mr. Streicher stated that this is the process that GWA has always used, based on the history he has been able to find, for electric and natural gas. Mr. Streicher indicated that GWA's current electric supply rate is extremely cheap, as it was locked in four (4) years ago; which is why he is seeking approval for pricing up to or below the listed rate that was quoted during the winter. Mr. Streicher noted that the rate has been as high as \$10 and as low as \$4 in recent months, and he is working with several brokers, as well as direct suppliers, in an effort to garner the best rate.*

*Mr. Franz asked what is the time table, weeks, months or open ended. Mr. Streicher advised it is open-ended, in an effort to try and get the lowest rate. Mr. Streicher noted that the last time he had sought approval in February and did not lock in a rate until May; however, he anticipates signing an agreement sooner, as rates are most likely going to start going up at the start of summer, since natural gas is being more widely used for the generation of electric, the demand will increase for air conditioning use.*

***Mr. Franz motioned and Mr. Niehaus seconded the motion to authorize the Executive Director to secure Natural Gas Supply when rates are at or below \$7.50/MMBtu. President Giagnorio, President Senak, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Goldsmith, and Mr. Buckley, responded "Aye" during a roll vote. The motion carried.***

9. Discussion

9.1 Pending 2023 Collection System Rehabilitation Construction Contract Approval

In September 2022 the Executive Oversight Committee awarded Final Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program to RJN Group. The Glenbard Wastewater Authority owns, operates, and maintains approximately 6 miles of interceptor sewer, ranging from 18" diameter to 66" diameter, a small length (2000') of 8" collector sewer, and over 90 manholes. The majority of the collection system was constructed in the late 1970's after the formation of the Authority through an Intergovernmental Agreement between the Villages of Glen Ellyn and Lombard, and is mostly prestressed concrete cylinder pipe (PCCP). The Authority's collection system has had little in ways of rehabilitation performed on it since being put into service; however, it has been routinely inspected.

The first phase of project was publicly advertised on January 23, 2023, with a bid opening date of February 23, 2023, and with an engineer's estimate of \$360,350 (including alternates). Alternates for this project, including the rehabilitation of manholes in addition to the pipe segments itself, and would only be utilized if the total project cost came in below or around the engineer's estimate.

A week before the anticipated bid opening, RJN requested the bid date be postponed so that more contractors would have the opportunity to bid on the project, which would increase the competitiveness of the bids. Therefore, the bid opening has been postponed to March 15, 2023.

Unless additional items arise that would require an April EOC meeting, staff would intend to send an email poll with the results of the bid opening, and request approval that would be retroactively approved at a future EOC meeting.

*Mr. Streicher referred this item to Mr. Henning as this item was intended to be on the agenda for approval, but the bid date had to be pushed back.*

*Mr. Henning advised that back in 2018 and 2019 sewer and manhole inspections were performed on much of the system and based on those inspections there were certain areas of the system that warranted cleaning and/or pipe lining over the course of the next two (2) years that involve two (2) main sections. Mr. Henning stated that Phase 1 of the project was initially advertised on January 23, 2023, unfortunately it did not receive as much bid interest as expected, so the bid opening was pushed back until March 15<sup>th</sup>. Mr. Henning indicated that the Engineer did state they had received more interest in the project as a result of the postponement. Mr. Henning advised that the intent would be to do an email poll for approval once the bid opening has occurred and then retroactively have the EOC*

*Committee approve at a future EOC Committee meeting. Mr. Henning noted that the first phase of the work will be the St. Charles Road area where the contractor will be cleaning and pipelining; and the second phase, with engineering, will take place in 2024 that goes down along 355 and a larger main section that goes under the tollway*

*Mr. Franz asked what the value of the work to be done is. Mr. Streicher stated that the engineer's estimate for this section is \$360,000 with alternate options; and based on estimates last year, \$310,000 was budgeted, which did not include any of the alternates. Mr. Streicher added that depending on the bid results, the project may proceed with the alternate options included. Mr. Streicher advised that, here again, there will be a mid-year reconciliation of the Capital Budget fund to determine if any projects need to be deferred or removed.*

*Mr. Niehaus noted that the Village of Lombard held two (2) bid openings in recent days, while not for pipe work like GWA, the proposals came in at or near the engineering estimates. Mr. Streicher inquired as to who the engineering company on the projects were. Mr. Goldsmith noted that one project was CivilTech and involved utility improvement work where the engineer's estimate was \$3.1 million and came in at \$2.9 million; and the other was their downtown sidewalk project was estimated at \$2.7 million and came in \$2.81 million. Mr. Buckley noted that the Village of Glen Ellyn, just had bid openings on Phase 2 of the streetscape project which CivilTech estimated at \$17.1 million, the Village's staff estimate was \$16 million and the bid came in at \$16.3 million.*

*Mr. Goldsmith asked what the method of pipe rehabilitation was going to be, cure in place or spray lining. Mr. Streicher responded that the final decision will be up to the contractor, but the two (2) methods outlined are UV cured, as it can be done much quicker, while traditionally more expensive, when working with the larger diameter piping it becomes comparable to the traditional cure in place, which is the second option. Mr. Streicher added that the manhole alternate is spray-in lining. Mr. Streicher noted that the manholes were due to be addressed as part of Phase 2 work, which has an estimated cost of \$650,000, but if the work can be completed in Phase 1, Phase 2 costs will be reduced. Mr. Goldsmith noted that if the manholes are removed, the Village of Lombard does have an annual manhole rehabilitation program and offered the opportunity for GWA to be included in the upcoming bidding process. Mr. Streicher explained that the thought process was that while the by-pass pumping was taking place it might be the opportune time to get the work completed.*

*Mr. Niehaus asked for confirmation this item was for discussion only. Mr. Streicher confirmed that as the bid opening had been pushed back, the intent was to discuss everything here and have everyone on board, then be able to do an email poll for approval once the bid is received and not schedule an EOC*

*Committee meeting just for the contract approval, if there are no other agenda items.*

9.2 United States Environmental Protection Agency (USEPA) Administrative Order of Consent (AOC)

*Mr. Streicher stated that in January 2022, GWA was visited by the US Environmental Protection Agency for a performance compliance inspection, which are performed every ten (10) to fifteen (15) years. Mr. Streicher explained that they spent several days reviewing GWA's pretreatment process with GWA's Environmental Resources Coordinator, Ashley Staat, and found what they called "deficiencies", none of which were major. Mr. Streicher continued by stating that the issues mainly involved language within the pretreatment permits that GWA issues to industrial users, as well as an issue with new sewer use ordinance that was passed by the Village of Lombard, where the Hexavalent Chromium limit was supposed to be omitted, but was still included. Mr. Streicher advised that the biggest issue the USEPA had with the pretreatment program related to their lack of understanding of the uniqueness of GWA being an Authority operated by the Villages, compared to the traditional sanitary districts who have more leverage of their satellite communities; and therefore, they did not understand the enforcement aspect of it. Mr. Streicher explained that even though GWA has had these performance compliance inspections before, and the IGA regarding the pretreatment program largely has not changed, one of the main comments was seeking more language re-enforcing that GWA is the agency implementing the pretreatment program. Mr. Streicher advised that as of right now, GWA has been in discussions with the USEPA and has retained legal counsel, who specializes in environmental issues, for which their services do not come cheap, as GWA has received their first invoice, and the amount wiped out the annual budget for legal services.*

*Mr. Franz asked if the firm was separate from GWA's general counsel. Mr. Streicher advised that it is a firm that has extensive experience in handling AOC's, and has handled approximately a half dozen in the last year, and are efficient in working with the USEPA on matters such as this. Mr. Streicher added that at this point, GWA has only received a draft AOC, which gave GWA the opportunity to comment on the draft, meet with USEPA, give our justification for the comments and hopefully have everything resolved and GWA can avoid the issuance of any formal AOC with their assistance. Mr. Streicher indicated that Ashley Staat has already taken steps to address approximately 75% of the USEPA's comments, which mainly related to nomenclature discrepancies, for example, on the industrial permits GWA issues, they are valid for five (5) years, March 1<sup>st</sup> to March 1<sup>st</sup>, which the USEPA responded is equal to five (5) years and one (1) day and told us to fix the date range to be March 1<sup>st</sup> to February 28<sup>th</sup>. Mr. Streicher continued by stating that at a conference with the USEPA, it was shown*

*that most of these items have been addressed, and Mr. Goldsmith was helpful in getting the Hexavalent Chromium removed from the Village of Lombard's sewer use ordinance. Mr. Streicher advised that the only major remaining item is revisions to the IGA; however, GWA has asked the USEPA if this can be worked on separately and avoid the issuance of an AOC altogether. Mr. Streicher indicated that there has not been any indication how the USEPA will respond to this request, as they pretty much see things as "black and white" and their mechanism to get agencies into compliance is by issuing AOC's; therefore, it is a possibility that a formal AOC will be issued, but the document is not a violation notice, but is more of an agreement to follow their orders. Mr. Streicher indicated that if GWA does not agree to it, then GWA will get violations and fines.*

*Mr. Streicher noted this is a discussion only item at this time and is intended to bring everyone up to speed on the matter.*

*Mr. Franz commented that it was a good idea to hire the attorney. Mr. Streicher advised that it was the same attorney that GWA hired when the EPA issued the odor violation during the digester upset in 2018 and believes they were hired for another issue prior to his time with GWA. Mr. Streicher stated they are the "go to" attorneys for issues with the EPA and USEPA.*

*Mr. Buckley asked if there was a timeframe within which the Villages need to have their ordinances updated by. Mr. Streicher responded that according to the draft AOC, GWA has a 365-day period and does not anticipate that number being changed if they leave that item in the final document.*

*Mr. Goldsmith noted that GWA had sent over a draft to the attorney for the Village of Lombard to review, which their attorney had approved, and asked if GWA was waiting for the USEPA to approve it. Mr. Streicher confirmed GWA is waiting for a response on whether the USEPA will accept the revisions; however, he had not received any response from the Village of Glen Ellyn. Mr. Buckley indicated he had held off on it until the matter was closer to that point. Mr. Streicher noted that suggested language from the Village of Lombard's attorney was added in the document. Mr. Buckley asked if the AOC would be issued after the 365 days. Mr. Streicher explained that USEPA would issue the AOC and then GWA would have 365 days from the date of issuance to resolve the matter. Mr. Buckley asked if there was a timeframe of when the AOC would be issued. Mr. Streicher indicated there was not; however, since it took them a year to issue the draft AOC, it may be some time before they issue the final AOC and GWA will get to see a second draft before the final AOC is sent. Mr. Streicher continued by stating that he expects there is plenty of time before any formal action needs to be taken, and is actually hoping that they will not issue a final AOC, and say as long as GWA addresses the terms in the IGA, and then use some other mechanism to make sure we comply with their regulations, especially since staff has already demonstrated work is being done to address the issue.*

### 9.3 Emergency Purchase Authorizations related to Screw Pump Failures

In mid-February 2023 the gearbox on one of the Authority's three intermediate screw pumps suffered a critical failure. The intermediate screw pumps convey the process flow from the "1<sup>st</sup> stage" of biological treatment to the "2<sup>nd</sup> Stage." The bearings inside the gearbox seized, causing one of the reducing shafts to shear apart. The gearboxes are routinely inspected and maintained, although this failure was unpredictable. Per IEPA requirements, the Authority is required to maintain redundancy within the intermediate pumps, as this is an essential part of the treatment process. There is enough capacity with one pump out of service, however, the required redundancy with the third pump out of service no longer was present. This prompted staff to move forward quickly in purchasing the new parts needed to remedy the situation, as lead times on one of the parts was up to 12 weeks. The purchases related to this failure are the bearings in the amount of \$4,442.03, and the new shaft itself in the amount of \$6,980. The Authority is paying for the item to be expedited so it would arrive in at least 9 weeks instead of 12 weeks due to the lack in redundancy.

Although the likelihood of an additional screw pump failing was slim, while the East pump was out of service, emergency options were discussed amongst staff if we were to have another failure. Amazingly, on Friday, February 17<sup>th</sup>, the West Screw pump failed due to another shaft shearing; however, this time it was only the shaft coming out of the electric motor. The cost of the replacement part was \$3,984.20. These parts have a much quicker lead time and are expected to be arrive the first week of March, and the 2nd of the three screw pumps will be back in service shortly afterwards.

During investigations looking into every option available to get the quickest repair time, alternative pricing on some of the parts needed was able to be obtained, and it was shown that the Authority saved a significant amount of money over the other options – as well as a much quicker lead time. However, all purchases moved forward on an emergency basis without getting formal competitive pricing due to the criticalness of the process that has been out of service.

Furthermore, when the second screw pump is back in service, the process will still lack the required redundancy. Because of this, staff has moved forward with an emergency purchase to rent temporary pumps to leave in place until all three pumps are back in service. This pump rental is expected to be quite costly, with monthly rental costs averaging around \$40,000 (including one-time fees). Due to the lead time on the shaft, it's expected the pumps will need to be rented for approximately 8 weeks. The cost to purchase the temporary pumps instead of renting is approximately \$300,000, therefore, renting appeared to be the most

viable option. Once the final costs come in, staff will seek retroactive EOC approval for the emergency purchases.

*Mr. Streicher advised that this item is for discussion at this time, however, GWA will be seeking retroactive approval for costs associated with the emergency repairs to the screw pump failures. Mr. Streicher explained that about a month ago, a bearing seized in the gearbox of the center screw pump but the gears were still trying to turn and the torque resulted in the solid main shaft shearing. Mr. Streicher stated that our system has three (3) screws pumps of which one (1) is supposed to serve as a redundant in the event one of the other two (2) fail, and at that point in time, the plant was still able to function normally, just lacking the redundancy. Mr. Streicher continued by stating these pumps have been in operation for forty (40) plus years, with one of the pumps having been replaced ten (10) years ago due to a different issue, staff felt operations would not be impacted. Mr. Streicher explained that approximately two (2) weeks later another, smaller shaft sheared on the west screw, which was the one that was replaced ten (10) years ago. Mr. Streicher stated that fortunately, this part is smaller and the lead time for replacement is approximately a week at a cost of approximately \$4,000; while the larger shaft had an 12-16-week lead time at a cost of \$18,000 from the original manufacturer. Mr. Streicher noted that while Mr. Braga was waiting for a response from the original manufacturer, he was able to locate a vendor who could supply the part in 9 weeks at a cost of \$6,500.*

*Mr. Streicher explained that as a result of the two (2) screw pumps going down, staff found themselves in experimental territory by trying things that had never been tried and only did so as a result of being forced to make some process changes, which, produced some interesting results. Mr. Streicher continued by stating that staff also began immediately looking for emergency pumping options so the plant would be prepared for any high-flow events.*

*Mr. Niehaus asked if it would be beneficial to purchase a pump like the ones being used and have it on a shelf for future use. Mr. Streicher advised that there are plans to replace these pumps next year. Mr. Niehaus stated that his was asking about having the parts on hand in storage versus replacement. Mr. Streicher indicated that it is very rare that two (2) pumps fail.*

*Mr. Franz asked what was the cause of the failure ten (10) years ago. Mr. Streicher stated that it is his understanding that the lower bearing failed and caused the screw pump to walk into the building. Mr. Braga clarified that the lower bearing was lifted off its pedestal. Mr. Niehaus requested that the TAC Committee discuss and evaluate the feasibility and viability of purchasing the spare parts that are currently being replaced and having it in storage. Mr. Streicher added that the status of entire intermediate pump station, is somewhat up in the air as to whether or not to rehab the entire system, as the process may no longer be needed as we convert to a biological phosphorus nutrient removal*

*process; and is something that needs to be taken into consideration as well. Mr. Streicher stated that in the meantime, with only having one (1) screw pump in operation, the Operations, Maintenance and Electrical teams immediately began looking at a rental by-pass pumping operation and determined that Xylem was the only source that could provide the proper equipment to fit GWA's needs. Mr. Streicher explained that staff moved forward on an emergency basis to get everything setup and operational. Mr. Streicher advised that GWA is renting the equipment and anticipates the cost being around \$80,000 for the period of time it will be needed. Mr. Streicher did state that two (2) screw pumps are currently in operation, but GWA is still left without redundancy if one (1) of these should happen to fail, and the temporary set-up will serve as the back-up if another failure occurs before the third screw pump is back in operation.*

*Mr. Streicher expressed his appreciation to the GWA staff who stepped up and pulled everything together; adding that staff had been given the impression that Xylem would be assembling everything upon delivery, only to have the work fall on GWA staff.*

*Mr. Streicher explained that GWA had investigated purchasing a 10-inch pump like the ones being rented, but the cost was \$100,000 and had a 12-16-week lead time, which left renting as the best option to move forward with. Mr. Streicher added that GWA staff was more than willing to jump in and help install everything in three (3) days' time.*

*President Senak asked if there was any indication as to what caused both failures, issues with the system, lack of maintenance, etc. Mr. Streicher explained that the first failure was due to a bearing seizing up and there is documented history of routine maintenance being performed regularly, meaning the oil in the gearbox is being changed out properly. Mr. Braga indicated that the second failure was most likely the result of a crack in the shaft, which GWA staff had no of way detecting, since they are not able to perform non-destructive testing and were not able to see the crack through any other means. Mr. Braga added that staff had replaced a seal and bearing during a routine PM, and the bearing ran for a month-and-a-half before the shaft sheared off.*

*President Senak asked if there was any recourse against the manufacturer as a result of a fault in the manufacturing process. Mr. Streicher stated that there is not, as one part that failed is nine to ten (9 to 10) years old and the other is 40. Mr. Buckley asked if there is any NDT processing as far as inspecting items on a regular basis. Mr. Braga advised there is not, as GWA does not have the means or equipment to perform the testing. Mr. Braga added that staff did learn that the gearbox for the west screw pump, the second one that broke, was more of a custom set-up designed by the manufacturer, who made the screw pump deciding to go with a longer input shaft that would house a mechanical fan that would blow air across the gears and cool the box itself. Mr. Braga stated that in*

*speaking with the manufacturer directly, who helped him find out that the part was an optioned part and not a standard shaft, he was advised that the standard-length shaft could be installed as the temperature in the building is cool enough that the gear box will work without the fan. Mr. Braga added that this allowed his staff to piece and part everything back together more quickly, making it stronger. Mr. Streicher added that there is now less stress on the shaft with the shorter length. Mr. Streicher noted that the Maintenance Department did purchase an NDT kit that will help find any future cracks before parts suffer a catastrophic failure by using a contrasting paint that will reveal any cracks.*

*Mr. Franz expressed his appreciation for staff's ability to adjust and keep things operational; however, evaluating this and coming up with different options since this has happened twice in ten (10) years gives everyone pause and would like to hear what a long-term solution might be. Mr. Streicher stated that the failure ten (10) years ago was due to a lack of maintenance and resulted in disciplinary repercussions; whereas this time, the events were truly freak events that no one could have predicted both failures would occur at the same time. Mr. Streicher noted that he had spoken with the Operations Superintendent, Andrew Pakosta, about making operational adjustments, appreciated Maintenance for stepping-up and performing as much work in house as possible, and Electrical for accommodating the electrical needs of the temporary pumps.*

*President Giagnorio department the meeting at 8:35 a.m.*

#### 9.4 Investment Allocation

Village of Glen Ellyn Finance Director Larry Noller will inform the Executive Oversight Committee of investment strategies that will enable the Authority to gain more interest income on certain investments.

*Mr. Streicher noted that he would be passing this item over to Larry Noller, the Finance Director for the Village of Glen Ellyn.*

*Mr. Noller explained that with the interest rates being what they are right now, the policy for GWA is to maintain up to 40% into each of our public investment pools and the other 20% has been traditionally in the checking account which does not earn any interest. Mr. Noller stated that he made the decision to move more of the cash into Illinois Funds, so the investment amount is now up to 60%. Mr. Noller added that investment policy allows such transactions when it is advantageous to the Authority, but the EOC Committee must be notified.*

*President Senak asked where the other 40% was invested. Mr. Noller stated the funds are in IMET. President Senak asked what fund is being increased to 60%. Mr. Noller explained that the increase is to the Illinois Funds portion of the investments. Mr. Noller added that for a perspective, the Village of Glen Ellyn's*

*policy is up to 75%. Mr. Noller noted that he is looking into a potential third option to help spread the investments over three (3) pools instead of two (2).*

10. Other Business

10.1 Technical Advisory Committee Updates

11. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, April 13, 2023 at 8:00 a.m.***

*Mr. Streicher noted that if the email poll can address the contract for the Interceptor work, then there is the potential to forego the April meeting and keep the one scheduled for May 11<sup>th</sup>.*

***Mr. Niehaus made the motion to adjourn the March 9, 2023 EOC Committee meeting and Mr. Buckley seconded the MOTION. President Senak, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Goldsmith and Mr. Buckley, responded “Aye” during a roll call. The motion carried. The meeting adjourned at 8:38 a.m.***

## **SECTION 5.2**

### **VOUCHER REPORTS**

**MARCH 2023, APRIL 2023  
AND MAY 2023**

**GLENBARD WASTEWATER AUTHORITY**  
**APPROVAL OF VOUCHERS**  
**For the meeting in June 2023**

<b>EXPENDITURES:</b>	<b>Check Date</b>	<b>Paid Amount</b>	
Accounts Payable 0323-1	3/15/2023	\$ 121,657.19	
Accounts Payable 0323-2	3/31/2023	\$ 123,022.09	
Accounts Payable 0423-1	4/14/2023	\$ 175,214.02	
Accounts Payable 0423-2	4/27/2023	\$ 144,063.25	
Accounts Payable 0523-1	5/17/2023	\$ 201,324.70	
Accounts Payable 0523-2	5/31/2023	\$ 75,212.77	
		<b>\$ 840,494.02</b>	<b>\$ 840,494.02</b>

<b>PAYROLL EXPENDITURES:</b>	<b>March 10, 2023</b>	<b>March 24, 2023</b>	<b>April 7, 2023</b>
<b>Net Employee Payroll Checks</b>	<b>\$ 41,626.66</b>	<b>\$ 40,703.37</b>	<b>\$ 41,286.84</b>
<b><u>Employee &amp; Employer Payroll Deductions:</u></b>			
Employee Deductions*	\$ 21,553.93	\$ 20,820.49	\$ 21,071.26
IMRF - Employer contribution	\$ 2,488.45	\$ 2,391.49	\$ 2,460.17
Social Security/Medicare Tax Withheld - Employer portion	\$ 4,634.84	\$ 4,523.40	\$ 4,571.94
<b>Total Payroll</b>	<b>\$ 70,303.88</b>	<b>\$ 68,438.75</b>	<b>\$ 69,390.21</b>

<b>PAYROLL EXPENDITURES:</b>	<b>April 21, 2023</b>	<b>May 5, 2023</b>	<b>May 19, 2023</b>	
<b>Net Employee Payroll Checks</b>	<b>\$ 40,400.52</b>	<b>\$ 44,170.70</b>	<b>\$ 40,940.28</b>	
<b><u>Employee &amp; Employer Payroll Deductions:</u></b>				
Employee Deductions*	\$ 20,774.12	\$ 22,991.98	\$ 21,253.88	
IMRF - Employer contribution	\$ 2,406.83	\$ 2,661.07	\$ 2,453.85	
Social Security/Medicare Tax Withheld - Employer portion	\$ 4,496.70	\$ 4,939.47	\$ 4,574.68	
<b>Total Payroll</b>	<b>\$ 68,078.17</b>	<b>\$ 74,763.22</b>	<b>\$ 69,222.69</b>	<b>\$ 420,196.92</b>

**GRAND TOTAL** **\$ 1,260,690.94**

\* Employee deductions include contributions for pensions, health insurance, union dues and other employee directed deductions such as tax withholdings, 457 & 125 plan contributions and supplemental life insurance.

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
9 ALEXANDER CHEMICAL CORPORATION										
26871		03/01/2023		0323-2	961534	13,852.90	03/15/2023	INV	PD	#100255-CSO THIOSULFATE -
33 CALCO, LTD.										
26943		03/24/2023		0323-2	961538	171.00	03/31/2023	INV	PD	#8061-LAB WATER TREATMENT
27213		05/22/2023		0523-2	961675	204.00	05/31/2023	INV	PD	#8061-WATER CHEMICALS-MAY
						375.00				
47 CINTAS CORPORATION #769										
26804		02/20/2023		0323-1	961488	174.87	03/15/2023	INV	PD	14924503-14944758 - MTNCE
26888		03/20/2023		0323-2	961539	161.89	03/31/2023	INV	PD	#14944758-MAINT SHOP TOWE
27008		04/17/2023		0423-2	961607	161.89	04/30/2023	INV	PD	#14944758-MAINT SHOP TOWE
27159		05/15/2023		0523-2	961677	161.89	05/31/2023	INV	PD	#14944758-MAINT SHOP TOWE
						660.54				
62 PADDOCK PUBLICATIONS, INC										
26956		03/27/2023		0423-1	961569	79.35	04/15/2023	INV	PD	#112117-SEWER ORDINANCE P
27161		05/08/2023		0523-2	961680	108.10	05/31/2023	INV	PD	#112117-LEGAL NOTICES - M
						187.45				
97 FIRST ENVIRONMENTAL LABORATORIES, INC.										
27055		02/02/2023		0423-2	961610	356.40	04/30/2023	INV	PD	LAB SERVICES FEB 2023
27056		02/02/2023		0423-2	961610	237.60	04/30/2023	INV	PD	LAB SERVICES -FEB 2023
26806		03/01/2023		0323-1	961492	356.40	03/15/2023	INV	PD	GLENBD-LAB FEES - MAR 202
26877		03/05/2023		0323-2	961544	237.60	03/15/2023	INV	PD	GLENBD - LAB FEES - MARC
26878		03/15/2023		0323-2	961544	319.80	03/15/2023	INV	PD	GLENBD - LOCAL LIMITS STU
26879		03/15/2023		0323-2	961544	319.80	03/15/2023	INV	PD	GLENBD - LOCAL LIMITS STU
26881		03/15/2023		0323-2	961544	319.80	03/15/2023	INV	PD	GLENBD - LOCAL LIMITS STU
26896		03/16/2023		0323-2	961544	319.80	03/31/2023	INV	PD	LOCAL LIMITS LAB SVCS - M
26895		03/21/2023		0323-2	961544	319.80	03/31/2023	INV	PD	LOCAL LIMITS LAB SVCS - M
26894		03/21/2023		0323-2	961544	319.80	03/31/2023	INV	PD	LOCAL LIMITS LAB SVCS - M
26893		03/21/2023		0323-2	961544	117.60	03/31/2023	INV	PD	NPDES LAB SVCS - MAR 2023
26918		03/23/2023		0323-2	961544	336.00	03/31/2023	INV	PD	LAB SVCS - MAR 2023
26917		03/23/2023		0323-2	961544	319.80	03/31/2023	INV	PD	LOCAL LIMITS TESTING - MA
26986		04/06/2023		0423-1	961570	356.40	04/15/2023	INV	PD	LAB SERVICES-NPDES TESTIN
27013		04/18/2023		0423-2	961610	304.80	04/30/2023	INV	PD	LAB SERVICES - MONTHLY NP
27012		04/18/2023		0423-2	961610	405.60	04/30/2023	INV	PD	LAB SERVICES NPDES TESTIN
27011		04/18/2023		0423-2	961610	237.60	04/30/2023	INV	PD	LAB SERVICES-MONTHLY NPDE
27054		04/20/2023		0423-2	961610	117.60	04/30/2023	INV	PD	LAB SERVICES - APR 2023
27128		04/27/2023		0523-1	961640	336.00	05/15/2023	INV	PD	LAB SVCS-SLUDGE MONITORIN
27126		05/01/2023		0523-1	961640	295.80	05/15/2023	INV	PD	LAB SERVICES - LOCAL LIMI
27127		05/01/2023		0523-1	961640	295.80	05/15/2023	INV	PD	LAB SVCS-LOCAL LIMITS-APR
27145		05/09/2023		0523-1	961640	280.20	05/15/2023	INV	PD	LAB SVCS-LOCAL LIMITS TES
27144		05/09/2023		0523-1	961640	280.20	05/15/2023	INV	PD	LAB SVCS-LOCAL LIMITS TES
27143		05/09/2023		0523-1	961640	295.80	05/15/2023	INV	PD	LAB SVCS-LOCAL LIMITS TES
27141		05/09/2023		0523-1	961640	280.20	05/15/2023	INV	PD	LAB SVCS-LOCAL LIMITS TES
27142		05/09/2023		0523-1	961640	295.80	05/15/2023	INV	PD	LAB SVCS-LOCAL LIMITS TES
27140		05/09/2023		0523-1	961640	280.20	05/15/2023	INV	PD	LAB SVCS - LOCAL LIMITS T
27181		05/17/2023		0523-2	961681	356.40	05/31/2023	INV	PD	LAB SERVICES MAY 2023

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
27180		05/17/2023		0523-2	961681	237.60	05/31/2023	INV	PD	LAB SERVICES - MAY 2023
100 FLOW-TECHNICS, INC						8,536.20				
27163		05/10/2023		0523-2	961682	-310.00	05/31/2023	CRM	PD	GLE02-CREDIT FOR RETURNED
27162		05/10/2023		0523-2	961682	572.00	05/31/2023	INV	PD	#GLE02-MAINT PARTS-MAY 20
27097		05/01/2023		0523-1	961641	396.25	05/15/2023	INV	PD	GLE02-MAINT PARTS - APR 2
27130		05/05/2023		0523-1	961641	3,141.00	05/15/2023	INV	PD	GLE02-REPLACEMENT PARTS -
107 GASVODA & ASSOCIATES, INC.						3,799.25				
27098		05/01/2023		0523-1	961642	8,119.20	05/15/2023	INV	PD	#GLENBARD1-DIGESTERS NOZZ
113 GODING ELECTRIC CO.										
26957		03/16/2023		0423-1	961573	1,550.00	04/15/2023	INV	PD	ELECTRICAL PARTS - MAR 20
119 HACH COMPANY										
26958		03/30/2023		0423-1	961575	848.16	04/15/2023	INV	PD	#071607-LAB SUPPLIES - MA
26988		03/30/2023		0423-1	961575	575.48	04/15/2023	INV	PD	#071607-ANALYZER CHEMICAL
27168		05/01/2023		0523-2	961684	7,049.22	05/31/2023	INV	PD	#071607-ANAYLZER ANNUAL S
124 HOME DEPOT USA, INC						8,472.86				
27223		05/10/2023		0523-2	961685	461.36	05/31/2023	INV	PD	#7114-ELECTRICAL SUPPLIES
26959		03/31/2023		0423-1	961576	54.43	04/15/2023	INV	PD	#7114-MAINT SUPPLIES - MA
26790		02/07/2023		0323-1	961497	31.41	02/28/2023	INV	PD	#7114-MAINT SUPPLIES - FE
26901		03/17/2023		0323-2	961546	194.07	03/31/2023	INV	PD	#7114-ELECTRIC SUPPLIES -
26905		03/17/2023		0323-2	961546	15.22	03/31/2023	INV	PD	#7114-MAINT SUPPLIES - MA
26903		03/17/2023		0323-2	961546	50.00	03/31/2023	INV	PD	#7114-MAINT EQUIPMENT REN
26904		03/17/2023		0323-2	961546	-18.95	03/31/2023	CRM	PD	#7114-CREDIT FOR PARTIAL
26839		03/06/2023		0323-1	961497	85.33	03/15/2023	INV	PD	#7114-ELECTRICAL SUPPLIES
26902		03/16/2023		0323-2	961546	268.55	03/31/2023	INV	PD	#7114-MAINT SUPPLIES - MA
27148		05/04/2023		0523-1	961645	25.14	05/15/2023	INV	PD	#7114-MAINT SUPPLIES - MA
27226		05/14/2023		0523-2	961685	-73.44	05/31/2023	CRM	PD	#7114-MAINT MERCHANDISE R
27227		05/22/2023		0523-2	961685	114.18	05/31/2023	INV	PD	#7114-MAINT SUPPLIES - MA
27225		05/14/2023		0523-2	961685	72.01	05/31/2023	INV	PD	#7114-MAINT MISC. STORE P
27016		04/03/2023		0423-2	961612	75.44	04/30/2023	INV	PD	#7114-ELECTRICAL SUPPLIES
27017		04/13/2023		0423-2	961612	106.92	04/30/2023	INV	PD	#7114-ELECTRICAL TOOLS -
126 ILLINOIS ASSN. OF WASTEWATER AGENCIES						1,461.67				
26865		03/08/2023		0323-1	961500	512.00	03/15/2023	INV	PD	IAWA MINI-CONF STREICHER-
27169		05/16/2023		0523-2	961686	120.00	05/31/2023	INV	PD	CONF REGS - STAAT & STREI
157 LEN'S ACE HARDWARE, INC.						632.00				
27022		04/12/2023		0423-2	961617	4.76	04/30/2023	INV	PD	#331050-OPERATIONS SUPPLI
26814		02/13/2023		0323-1	961507	6.95	03/15/2023	INV	PD	331050-MTNCE SUPL - FEB 2

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
26794		02/23/2023		0323-1	961507	19.19	02/28/2023	INV	PD	#331050-PAINT SUPPLIES LL
26795		02/23/2023		0323-1	961507	2.39	02/28/2023	INV	PD	#331050-MAINT SUPPLIES -
26796		02/23/2023		0323-1	961507	2.39	02/28/2023	INV	PD	#331050-MAINT SUPPLIES -
26815		03/03/2023		0323-1	961507	19.92	03/15/2023	INV	PD	331050-MISC SUPL - MAR 20
26845		03/06/2023		0323-1	961507	32.77	03/15/2023	INV	PD	#331050-OPERATIONS SUPPLI
26844		03/08/2023		0323-1	961507	63.18	03/15/2023	INV	PD	#331050-PAINTING SUPPLIES
26866		03/08/2023		0323-1	961507	5.42	03/15/2023	INV	PD	#331050-OPERATIONS SUPPLI
26910		03/16/2023		0323-2	961549	30.37	03/31/2023	INV	PD	#331050-MAINT SUPPLIES -
26911		03/20/2023		0323-2	961549	-3.20	03/20/2023	CRM	PD	#331050-MAINT RETURNED IT
26908		03/21/2023		0323-2	961549	2.88	03/31/2023	INV	PD	#331050-OPS SUPPLIES - MA
26964		03/30/2023		0423-1	961581	26.36	04/15/2023	INV	PD	#331050-OPERATIONS SUPPLI
26963		03/31/2023		0423-1	961581	36.78	04/15/2023	INV	PD	#331050-OPERATIONS SUPPLI
27023		04/11/2023		0423-2	961617	8.56	04/30/2023	INV	PD	#331050-OPERATIONS SUPPLI
27064		04/20/2023		0423-2	961617	1.89	04/30/2023	INV	PD	#331050-OPERATIONS SUPPLI
27063		04/24/2023		0423-2	961617	31.98	04/30/2023	INV	PD	#331050-OPERATIONS SUPPLI
27170		05/04/2023		0523-2	961688	6.39	05/31/2023	INV	PD	#331050-POTTING SOIL - MA
27171		05/10/2023		0523-2	961688	6.60	05/31/2023	INV	PD	#331050-OPERATIONS SUPPLI
27172		05/15/2023		0523-2	961688	10.39	05/31/2023	INV	PD	#331050-MAINT SUPPLIES -
27173		05/16/2023		0523-2	961688	-6.39	05/16/2023	CRM	PD	#331050-RETURN ITEM MAY 2
27194		05/22/2023		0523-2	961688	20.09	05/31/2023	INV	PD	#331050-OPERATIONS SUPPLI
27193		05/22/2023		0523-2	961688	-20.09	05/31/2023	CRM	PD	#331050-RETURNED ITEMS-MA
27192		05/22/2023		0523-2	961688	5.71	05/31/2023	INV	PD	#331050-OPERATIONS SUPPLI
27220		05/23/2023		0523-2	961688	12.77	05/31/2023	INV	PD	#331050-OPERATIONS PAINT
26965		03/23/2023		0423-1	961581	-6.95	04/15/2023	CRM	PD	REFUND OF DOUBLE PAYMENT
27219		05/24/2023		0523-2	961688	81.97	05/31/2023	INV	PD	#331050-OPERATIONS PAINT
						403.08				
171 MCMASTER-CARR SUPPLY CO.										
26872		01/18/2023		0323-1	961510	15.39	03/15/2023	INV	PD	#7735700-MAINT SUPPLIES -
26875		03/08/2023		0323-1	961510	87.64	03/15/2023	INV	PD	#7735700-MAINT SUPPLIES -
26912		03/17/2023		0323-2	961551	12.33	03/20/2023	INV	PD	#7735700-MAINT SUPPLIES -
26919		03/21/2023		0323-2	961551	34.12	03/31/2023	INV	PD	#7735700-MAINT SUPPLIES -
26944		03/23/2023		0323-2	961551	42.29	03/31/2023	INV	PD	#7735700-MAINT SUPPLIES -
26967		03/28/2023		0423-1	961585	83.28	04/15/2023	INV	PD	#7735700-ELECTRICAL SUPPL
26992		04/05/2023		0423-1	961585	16.72	04/15/2023	INV	PD	#7735700-MAINT SUPPLIES -
26991		04/06/2023		0423-1	961585	14.45	04/15/2023	INV	PD	#7735700-MAINT SUPPLIES -
27065		04/18/2023		0423-2	961619	166.26	04/30/2023	INV	PD	#7735700-MIANT SUPPLIES -
27070		04/19/2023		0423-2	961619	16.70	04/30/2023	INV	PD	#7735700-MAINTENANCE SUPP
27104		04/23/2023		0523-1	961652	25.23	05/15/2023	INV	PD	#7735700-ELECTRICAL SUPPL
27136		05/02/2023		0523-1	961652	156.30	05/15/2023	INV	PD	#7735700-MAINT SUPPLIES -
27135		05/03/2023		0523-1	961652	88.30	05/15/2023	INV	PD	#7735700-MAINT SUPPLIES/T
27174		05/05/2023		0523-2	961689	32.18	05/16/2023	INV	PD	#7735700-ELECTRICAL SUPPL
27175		05/09/2023		0523-2	961689	294.12	05/16/2023	INV	PD	#7735700-MAINT HAND CHAIN
						1,085.31				
178 MICHAEL'S UNIFORM COMPANY, INC.										
26873		03/10/2023		0323-1	961511	195.54	03/15/2023	INV	PD	BACKORDERED FALL/WINTER I
180 RELADYNE -MID-TOWN PETROLEUM INC.										
26778		02/16/2023		0323-1	961519	309.70	02/28/2023	INV	PD	#11-0002836-MAINT SUPPLIE
26798		02/24/2023		0323-1	961519	1,178.45	02/28/2023	INV	PD	#11-0002836-MAINT SUPPLIE
27221		05/19/2023		0523-2	961690	218.83	05/31/2023	INV	PD	#11-0002836-MAINT SUPPLIE

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						1,706.98				
185 KONICA MINOLTA BUSINESS SOLUTIONS INC										
26841		02/25/2023		0323-1	961504	114.41	03/15/2023	INV	PD	#146316-COPIER USAGE FEB
26962		03/25/2023		0423-1	961580	75.25	04/15/2023	INV	PD	#146316-COPIER USAGE MAR
27103		04/25/2023		0523-1	961648	59.31	05/15/2023	INV	PD	#146316-COPIER USAGE MAR/
						248.97				
188 MOTION INDUSTRIES INC										
26797		02/22/2023		0323-1	961512	162.32	02/28/2023	INV	PD	#80514201-MAINT PARTS - F
26816		02/28/2023		0323-1	961512	4,279.82	03/15/2023	INV	PD	80514201-EQUIP MTNCE - FE
27081		04/18/2023		0423-2	961621	60.57	04/30/2023	INV	PD	#80514201-ELECTRICAL PART
						4,502.71				
190 SID TOOL CO, INC										
26920		03/23/2023		0323-2	961554	384.60	03/31/2023	INV	PD	#1622985-MAINT TOOLS - MA
194 NAPCO STEEL, INC.										
26946		03/24/2023		0323-2	961555	463.32	03/31/2023	INV	PD	#26652-MIANT SUPPLIES - M
199 NEUCO, INC.										
27066		04/18/2023		0423-2	961622	241.27	04/30/2023	INV	PD	#GL016-ELECTRICAL PARTS-A
209 NCL OF WISCONSIN INC										
26882		03/15/2023		0323-2	961556	1,035.95	03/15/2023	INV	PD	17348 - LAB CHEMICALS - M
27080		04/20/2023		0523-1	961654	889.31	04/30/2023	INV	PD	#17348-LAB SUPPLIES - APR
27106		04/26/2023		0523-1	961654	130.29	05/15/2023	INV	PD	#17348-LAB SUPPLIES - APR
						2,055.55				
211 OMI INDUSTRIES										
26914		03/24/2023		0323-2	961557	1,008.53	03/31/2023	INV	PD	DEODORIZING SYSTEM PARTS
218 PATTEN INDUSTRIES, INC.										
26803		12/16/2022		0323-1	961485	555.00	03/15/2023	INV	PD	1512901-OIL ANALYSIS - DE
26802		02/25/2023		0323-1	961485	-109.50	03/15/2023	CRM	PD	1512901-ORIG INV P6AC0019
						445.50				
224 POLYDYNE INC										
26817		02/21/2023		0323-1	961517	13,524.00	03/15/2023	INV	PD	103379-CHEMICALS - FEB 20
27110		04/19/2023		0523-1	961659	13,524.00	05/15/2023	INV	PD	#103379-OPERATIONS POLYME
						27,048.00				
226 PORTER PIPE AND SUPPLY CO										
27084		04/26/2023		0423-2	961624	265.10	04/30/2023	INV	PD	#1823-MAINT SUPPLIES - AP
27085		04/26/2023		0423-2	961624	125.19	04/30/2023	INV	PD	#1823-MAINT SUPPLIES - AP

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DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
27086		04/26/2023		0423-2	961624	113.76	04/30/2023	INV	PD	#1823-MAINT SUPPLIES - AP
						504.05				
271 TERRACE SUPPLY COMPANY										
26824		01/31/2023		0323-1	961525	54.15	03/15/2023	INV	PD	31580-CYLINDER RENTAL-JAN
26823		02/28/2023		0323-1	961525	51.30	03/15/2023	INV	PD	315850-CYLINDER RENTAL -
27068		04/19/2023		0423-2	961628	105.00	04/30/2023	INV	PD	#315850-DRY ICE FOR SCREW
26973		03/21/2023		0423-1	961595	53.01	04/15/2023	INV	PD	#315850-MAINT CYLINDER RE
27117		04/30/2023		0523-1	961665	51.30	05/15/2023	INV	PD	#315850-WELDING GAS CYLIN
						314.76				
289 HD SUPPLY INC										
26853		02/15/2023		0323-1	961527	878.88	03/15/2023	INV	PD	#222656-OPERATIONS SUPPLI
26883		03/03/2023		0323-2	961560	379.06	03/15/2023	INV	PD	222656 - OPERATIONS SUPPL
26947		03/16/2023		0323-2	961560	504.65	03/31/2023	INV	PD	#222656-MAINT PARTS - MAR
27002		03/27/2023		0423-1	961598	1,711.03	04/15/2023	INV	PD	#222656-MAINT PARTS - MAR
						3,473.62				
293 VILLAGE OF GLEN ELLYN										
26855		03/01/2023		0323-1	961494	19.86	03/15/2023	INV	PD	#432720-WATER SVC-JAN/FEB
26856		03/01/2023		0323-1	961494	907.60	03/15/2023	INV	PD	#610130-WATER SVC-JAN/FEB
27120		05/01/2023		0523-1	961643	19.86	05/15/2023	INV	PD	#432720-WATER SVC MAR-APR
26977		04/01/2023		0423-1	961572	19.86	04/15/2023	INV	PD	#432720-WATER SVC FEB-MAR
26978		04/01/2023		0423-1	961572	901.15	04/15/2023	INV	PD	#610130-WATER SVC FEB-MAR
27119		05/01/2023		0523-1	961643	874.34	05/15/2023	INV	PD	#610130-WATER SVC - MAR/A
10131111		03/06/2023		0323-2	3519	15,975.00	03/27/2023	DIR	PD	MONTHLY IFT TRANSFER
10131112		04/05/2023		0423-2	3547	15,975.00	04/05/2023	DIR	PD	MONTHLY IFT TRANSFER
10131113		05/30/2023		0523-2	3548	15,975.00	05/30/2023	DIR	PD	MONTHLY IFT TRANSFER
						50,667.67				
295 VILLAGE OF LOMBARD										
26858		03/01/2023		0323-1	961508	15.75	03/15/2023	INV	PD	#31774-001-WATER SVC JAN
26859		03/01/2023		0323-1	961508	15.75	03/15/2023	INV	PD	#30042-001-WATER SVC - JA
27139		05/01/2023		0523-1	961651	158.25	05/15/2023	INV	PD	#30042-001- WATER SVC-MAR
26979		04/01/2023		0423-1	961583	500.25	04/15/2023	INV	PD	#30042-001-WATER SVC CSO
27138		05/01/2023		0523-1	961651	15.75	05/15/2023	INV	PD	#31774-001-WATER SVC-MAR
26980		04/01/2023		0423-1	961583	15.75	04/15/2023	INV	PD	#31774-001-WATER SVC - FE
						721.50				
297 W.W. GRAINGER, INC.										
26809		02/28/2023		0323-1	961495	130.51	03/15/2023	INV	PD	801764762-MTNC SUPL - MAR
26808		03/01/2023		0323-1	961495	260.66	03/15/2023	INV	PD	801764762-OFFICE EQUIP -
26863		03/02/2023		0323-1	961495	200.93	03/15/2023	INV	PD	#801764762-MAINT TESTING
26807		03/02/2023		0323-1	961495	119.06	03/15/2023	INV	PD	801764762-MTNC SUPL - MAR
26862		03/02/2023		0323-1	961495	452.20	03/15/2023	INV	PD	#801764762-ELECTRICAL SUP
26836		03/07/2023		0323-1	961495	41.58	03/15/2023	INV	PD	#801764762-ELECTRICAL PAR
26864		03/09/2023		0323-1	961495	228.71	03/15/2023	INV	PD	#801764762-ELECTRICAL PAR
26915		03/15/2023		0323-2	961545	215.22	03/31/2023	INV	PD	#801764762-MAINT SUPPLIES
26900		03/21/2023		0323-2	961545	27.95	03/31/2023	INV	PD	#801764762-MAINT PPE -
26899		03/21/2023		0323-2	961545	37.54	03/31/2023	INV	PD	#801764762-MAINT TOOLS -

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DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
26898		03/23/2023		0323-2	961545	114.33	03/31/2023	INV	PD	#801764762-MAINT SUPPLIES
27014		04/10/2023		0423-2	961611	9.30	04/30/2023	INV	PD	#801764762-MAINT SUPPLIES
27015		04/11/2023		0423-2	961611	192.33	04/30/2023	INV	PD	#801764762-OPERATIONS SUP
27060		04/18/2023		0423-2	961611	50.97	04/30/2023	INV	PD	#801764762-ELECTRICAL-par
27059		04/20/2023		0423-2	961611	18.54	04/30/2023	INV	PD	#801764762-ELECTRICAL SUP
27099		04/26/2023		0523-1	961644	853.85	05/15/2023	INV	PD	#801764762-MAINT TOOLS -
27167		05/09/2023		0523-2	961683	186.20	05/31/2023	INV	PD	#801764761-JANITORIAL SUP
27165		05/10/2023		0523-2	961683	76.70	05/31/2023	INV	PD	#801764762-ELECTRICAL SUP
27164		05/11/2023		0523-2	961683	448.30	05/31/2023	INV	PD	#801764762-ELECTRICAL SUP
27166		05/11/2023		0523-2	961683	14.41	05/31/2023	INV	PD	#801764762-ELECTRICAL PAR
27191		05/17/2023		0523-2	961683	3.75	05/31/2023	INV	PD	#801764762-ELECTRICAL SUP
27218		05/22/2023		0523-2	961683	408.72	05/31/2023	INV	PD	#8017634762-MAINT TOOLS -
27217		05/22/2023		0523-2	961683	164.10	05/31/2023	INV	PD	#801764762-JANITORIAL SUP
27216		05/23/2023		0523-2	961683	363.80	05/31/2023	INV	PD	#801764762-JANITORIAL SUP
						4,619.66				
477 UNITED PARCEL SERVICE, INC										
26974		04/01/2023		0423-1	961597	82.45	04/15/2023	INV	PD	#9YF103-ELECTRICAL-HACH S
479 CAPITAL RUBBER CORPORATION										
27214		05/18/2023		0523-2	961676	339.50	05/31/2023	INV	PD	#CR551-MAINT SUPPLIES - M
485 L. MARSHALL ROOFING & SHEET METAL, INC.										
27134	20220016	04/19/2023		0523-1	961649	5,752.00	05/15/2023	INV	PD	2022 ROOF REHABILITATION
490 COMCAST CABLE COMMUNICATIONS, LLC										
26834		02/25/2023		0323-1	961490	332.62	03/15/2023	INV	PD	#8771200570017919-INTERNE
26955		03/25/2023		0423-1	961568	332.62	04/15/2023	INV	PD	#8771200570017919-TV/INTE
27095		04/25/2023		0523-1	961637	332.60	05/15/2023	INV	PD	#8771200570017919-INTERNE
						997.84				
538 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY										
26989		02/15/2023		0423-1	3521	61,427.28	04/15/2023	DIR	PD	L17-5770 - BILL NO 2 BDIP
624 ROWELL CHEMICAL CORPORATION										
26970		03/30/2023		0423-1	961592	9,898.11	04/15/2023	INV	PD	#0799-000-CSO HYPO CHEMIC
645 BUTTREY RENTAL SERVICES										
26783		02/22/2023		0323-1	961487	203.50	02/28/2023	INV	PD	#4527-MAINT EQUIP RENTAL
656 JON BRAGA										
26884		03/21/2023		0323-2	961537	301.00	03/31/2023	INV	PD	BRAGA-WORK TRUCK CONF EXP
701 ARAMARK										
27156		04/30/2023		0523-2	961673	205.70	05/31/2023	INV	PD	#14799876-UNIFORMS SPRING
27187		05/11/2023		0523-2	961673	573.42	05/31/2023	INV	PD	878114-UNIFORMS S/S 2023

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DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
27188		05/11/2023		0523-2	961673	108.98	05/31/2023	INV	PD	#878114-UNIFORMS S/S 2023
27190		05/12/2023		0523-2	961673	56.96	05/31/2023	INV	PD	#878114-UNIFORMS S/S-2023
27189		05/13/2023		0523-2	961673	250.47	05/31/2023	INV	PD	#878114-UNIFORMS S/S-2023
27212		05/16/2023		0523-2	961673	202.43	05/31/2023	INV	PD	#878114-UNIFORMS S/S - MA
						1,397.96				
738 SUBURBAN LABORATORIES, INC.										
26822		02/28/2023		0323-1	961523	860.40	03/15/2023	INV	PD	GLENBARD INDUSTRY-LAB FEE
26972		03/31/2023		0423-1	961594	1,879.50	04/15/2023	INV	PD	LAB SVCS PRETREATMENT - M
27114		04/28/2023		0523-1	961663	1,313.70	05/15/2023	INV	PD	LAB SERVICES INDUSTRIAL U
27115		04/28/2023		0523-1	961663	4,464.60	05/15/2023	INV	PD	LOCAL LIMITS TESTING-NPDE
						8,518.20				
743 GROOT, INC										
26837		03/01/2023		0323-1	961496	575.97	03/15/2023	INV	PD	#310769434001-REFUSE SVC
26987		04/01/2023		0423-1	961574	726.10	04/15/2023	INV	PD	310769434001-REFUSE HAULI
						1,302.07				
768 CINTAS FIRST AID & SAFETY										
26889		03/17/2023		0323-2	961540	294.60	03/31/2023	INV	PD	#10127979-FIRST AID SVC -
27009		04/14/2023		0423-2	961608	269.16	04/30/2023	INV	PD	#10127979-MONTHLY FIRST A
27160		05/12/2023		0523-2	961678	305.33	05/31/2023	INV	PD	#10127979-FIRST AID SUPPL
						869.09				
810 STATE FIRE MARSHAL										
26840		03/08/2023		0323-1	961522	625.00	03/15/2023	INV	PD	ANNUAL PRESSURE VESSEL IN
859 ANALYTICAL SOLUTION, INC										
26954		03/26/2023		0423-1	961566	285.00	04/15/2023	INV	PD	HYDROGEN SULFIDE TESTING
27083		04/23/2023		0523-1	961633	190.00	04/30/2023	INV	PD	HYDROGEN SULFIDE TESTING-
						475.00				
873 THE PITNEY BOWES BANK, INC										
26848		03/05/2023		0323-1	961516	150.00	03/15/2023	INV	PD	#8000909005198416-POSTAGE
876 PITNEY BOWES, INC										
27109		04/29/2023		0523-1	961658	180.06	05/15/2023	INV	PD	#16631770-POSTAGE METER R
877 RS AMERICAS, INC										
26849		02/28/2023		0323-1	961484	203.28	03/15/2023	INV	PD	#10057576-ELECTRICAL PART
881 AIRGAS, INC										
26831	20230004	03/04/2023		0323-1	961483	1,500.00	03/15/2023	INV	PD	LEASE OF ATMOSPHERIC VAPO
26885		02/28/2023		0323-2	961533	485.34	03/15/2023	INV	PD	#2024961-ELECTRICAL CALIB
26953	20230004	04/01/2023		0423-1	961565	1,500.00	04/15/2023	INV	PD	LEASE OF ATMOSPHERIC VAPO
27123	20230004	04/30/2023		0523-1	961632	1,500.00	05/15/2023	INV	PD	LEASE OF ATMOSPHERIC VAPO

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27210		05/04/2023		0523-2	961670	540.00	05/31/2023	INV	PD	#2024961-LOX FILL KNOB RE
26801		02/25/2023		0323-1	961483	8,068.37	03/15/2023	INV	PD	2024961-LIQUID OXYGEN-FEB
26833		03/04/2023		0323-1	961483	6,012.11	03/15/2023	INV	PD	#2024961-LIQUID OXYGEN FE
26870		03/11/2023		0323-2	961533	9,006.30	03/15/2023	INV	PD	#2024961-LIQUID OXYGEN -
26886		03/18/2023		0323-2	961533	3,949.37	03/31/2023	INV	PD	#2024961-LIQUID OXYGEN-MA
26916		03/25/2023		0323-2	961533	7,563.36	03/31/2023	INV	PD	#2024961-LIQUID OXYGEN -
26984		04/01/2023		0423-2	961602	7,590.56	04/15/2023	INV	PD	#2024961-LIQUID OXYGEN-MA
26983		04/08/2023		0423-2	961602	7,300.51	04/15/2023	INV	PD	#2024961-LIQUID OXYGEN AP
27005		04/15/2023		0423-2	961602	6,129.08	04/30/2023	INV	PD	#2024961-LIQUID OXYGEN -
27052		04/22/2023		0423-2	961602	7,269.67	04/30/2023	INV	PD	#2024961-LIQUID OXYGEN-AP
27091		04/29/2023		0523-1	961632	5,975.97	05/15/2023	INV	PD	#2024961- LIQUID OXYGEN-A
27154		05/06/2023		0523-2	961670	12,207.10	05/31/2023	INV	PD	#2024961-LIQUID OXYGEN-AP
27153		05/13/2023		0523-2	961670	4,247.90	05/31/2023	INV	PD	#2024961-LIQUID OXYGEN-MA
26832		03/04/2023		0323-1	961483	82.28	03/15/2023	INV	PD	#2024961-ELECTRICAL CYLIN
26952		04/01/2023		0423-1	961565	88.85	04/15/2023	INV	PD	#2024961-ELECTRICAL CALIB
27124		05/06/2023		0523-1	961632	90.26	05/15/2023	INV	PD	#2024961-CYLINDER RENT EL
						91,107.03				
939 STAPLES CONTRACT & COMMERCIAL INC.										
26820		02/25/2023		0323-1	961521	10.99	03/15/2023	INV	PD	DET 1680518-OFFICE SUPL -
26850		03/02/2023		0323-1	961521	77.81	03/15/2023	INV	PD	DET1680518-LUNCHROOM SUPP
26921		03/21/2023		0323-2	961559	272.99	03/31/2023	INV	PD	DET1680518-LUNCHROOM SUPP
26922		03/22/2023		0323-2	961559	86.38	03/31/2023	INV	PD	DET1680518-OFFICE SUPPLIE
26971		03/29/2023		0423-1	961593	14.18	04/15/2023	INV	PD	DET1680518-SFETY-SHARPS C
27067		04/18/2023		0423-2	961626	68.06	04/30/2023	INV	PD	#DET1680518-LUNCROOM SUPP
27195		05/16/2023		0523-2	961692	54.98	05/31/2023	INV	PD	#DET1680518-OFFICE SUPPLI
						585.39				
952 PROGRAM ONE PROFESSIONAL BUILDING SERVICES INC.										
26818		02/28/2023		0323-1	961518	256.00	03/15/2023	INV	PD	GBWW - BLDG MTNCE - FEB 2
958 BAXTER & WOODMAN, INC.										
26887	20230005	03/20/2023		0323-2	961536	817.50	03/31/2023	INV	PD	ASSISTANCE WITH LOCAL LIM
27078	20230005	04/24/2023		0423-2	961605	488.75	04/30/2023	INV	PD	ASSISTANCE WITH LOCAL LIM
						1,306.25				
980 XYLEM WATER SOLUTIONS USA, INC.										
26949		03/02/2023		0323-2	961563	514.98	03/31/2023	INV	PD	#129164-BY PASS PUMPING P
26948		03/02/2023		0423-1	961601	10,850.00	03/31/2023	INV	PD	#129164-EQUIPMENT MOBILIZ
26951		03/03/2023		0323-2	961563	660.00	03/31/2023	INV	PD	#129164-BY PASS PUMPING -
26950		03/20/2023		0423-1	961601	29,203.34	03/31/2023	INV	PD	#129164-BYPASS PUMP RENTA
26981		03/27/2023		0423-1	961601	695.50	04/15/2023	INV	PD	#129164-EMERGENCY PUMPING
27069		04/17/2023		0523-1	961669	29,203.34	04/30/2023	INV	PD	#129164-BYPASS PUMP RENT
27152		05/04/2023		0523-1	961669	16,286.30	05/15/2023	INV	PD	#129164-BYPASS EQUIPMENT
						87,413.46				
988 VERIZON WIRELESS SERVICES LLC										
26868		03/01/2023		0323-1	961529	248.52	03/15/2023	INV	PD	#842065533-00001-REMOTE S
26923		03/18/2023		0323-2	961561	521.51	03/31/2023	INV	PD	#687026363-00001-CELL USA
27000		04/01/2023		0423-1	961600	245.86	04/15/2023	INV	PD	842065533-00001-REMOTE SI

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
27082		04/18/2023		0423-2	961629	535.65	04/30/2023	INV	PD	#987026363-00001-CELLULAR
27151		05/01/2023		0523-1	961667	341.33	05/15/2023	INV	PD	#842065533-00001-REMOTE S
27229		05/18/2023		0523-2	961694	520.25	05/31/2023	INV	PD	#687026363-00001-CELL PHO
						2,413.12				
994 DIRECT ENERGY MARKETING, INC.										
26892		03/20/2023		0323-2	961543	26,946.99	03/31/2023	INV	PD	#1152328-ELECTRICAL USAGE
27088		04/25/2023		0523-1	961639	31,703.78	04/30/2023	INV	PD	#1152328-ELECTRICAL USAGE
						58,650.77				
1001 TROTTER AND ASSOCIATES, INC.										
26874	20220005	02/28/2023		0323-1	961526	1,418.00	03/15/2023	INV	PD	ENGINEERING SERVICES 2022
27179	20220005	04/30/2023		0523-2	961693	3,682.34	05/31/2023	INV	PD	ENGINEERING SERVICES 2022
						5,100.34				
1070 REVERE ELECTRIC SUPPLY										
26994		01/31/2023		0423-1	961589	199.47	04/15/2023	INV	PD	#105806-ELECTRICAL PARTS
26995		02/03/2023		0423-1	961589	1,256.72	04/15/2023	INV	PD	#105806-ELECTRICAL PARTS
						1,456.19				
1074 UNISON SOLUTIONS, INC.										
26999	20230006	04/03/2023		0423-1	961596	28,275.00	04/15/2023	INV	PD	CHP MEDIA
1087 NOVASPECT, INC.										
27107		05/01/2023		0523-1	961655	2,382.72	05/15/2023	INV	PD	#95376-MOYNO PUMP PARTS -
1130 ALFA LAVAL INC										
27186		05/17/2023		0523-2	961671	45.30	05/31/2023	INV	PD	#E78270-MAINT PARTS-PAY 2
27211		05/18/2023		0523-2	961671	45.30	05/31/2023	INV	PD	#E78270-MAINT PARTS - MAY
						90.60				
1133 LAUTERBACH & AMEN, LLP										
27050		04/21/2023		0423-2	961616	1,100.00	04/21/2023	INV	PD	MARCH 2023 PROF SERVICES
27051		04/21/2023		0423-2	961616	10,400.00	04/21/2023	INV	PD	FISCAL YEAR 2022 AUDIT SE
						11,500.00				
1135 LIBERTY PROCESS EQUIPMENT, INC.										
26966		03/30/2023		0423-1	961582	2,456.00	04/15/2023	INV	PD	GLEWA-MAINT PARTS - MAR 2
27024		04/17/2023		0423-2	961618	584.00	04/30/2023	INV	PD	#GLEWA-MAINT PARTS - APR
27132		05/05/2023		0523-1	961650	2,206.00	05/15/2023	INV	PD	MONYO PUMP PARTS - MAY 20
						5,246.00				
1138 CONSTELLATION ENERGY SERVICES INC										
26742		02/13/2023		0423-2	961609	11,249.63	02/28/2023	INV	PD	#BG-11933-NATURAL GAS USA
26891		03/17/2023		0323-2	961542	10,132.04	03/31/2023	INV	PD	#BG-11933-NATURAL GAS USA
27010		04/18/2023		0423-2	961609	10,274.03	04/30/2023	INV	PD	#BG-11933-NATURAL GAS USA

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
27183		05/17/2023		0523-2	961679	6,447.81	05/31/2023	INV	PD	#BG-11933-NATURAL GAS APR
						38,103.51				
			1142							GENUINE PARTS CO-NAPA
26846		03/06/2023		0323-1	961513	9.49	03/15/2023	INV	PD	#13643-OPERATIONS SUPPLIE
			1147							ILLINOIS AMERICAN WATER COMPANY
26961		03/28/2023		0423-1	961578	70.66	04/15/2023	INV	PD	#1025220008432566-WATER S
27131		05/04/2023		0523-1	961647	73.26	05/15/2023	INV	PD	#1025-220008432566-WATER
26811		02/24/2023		0323-1	961499	71.98	03/15/2023	INV	PD	1025-220008432566 - WATER
						215.90				
			1160							CHICAGO METROPOLITAN FIRE PREVENTION CO.
27007		04/09/2023		0423-2	961606	177.00	04/30/2023	INV	PD	#CON0000007406-VVLS ALARM
			1166							IDEA MARKETING GROUP, INC
26810		03/01/2023		0323-1	961498	95.00	03/15/2023	INV	PD	GBWW-WEBSITE HOSTING - MA
26960		04/01/2023		0423-1	961577	95.00	04/15/2023	INV	PD	MONTHLY WEBSITE HOSTING F
27102		05/01/2023		0523-1	961646	95.00	05/15/2023	INV	PD	MONTHLY WEBSITE HOSTING S
						285.00				
			1169							BARNES & THORNBURG LLP
26860		02/22/2023		0323-1	961486	17,132.50	03/15/2023	INV	PD	#68016-00000001-LEGAL SVC
26942		03/21/2023		0323-2	961535	1,300.50	03/31/2023	INV	PD	#68016-00000001-USEPA LEG
27053		04/18/2023		0423-2	961604	3,213.00	04/30/2023	INV	PD	LEGAL ASSIST. US EPA AOC
						21,646.00				
			1184							MATTHEW STREICHER
27004		04/13/2023		0423-1	961584	409.80	04/13/2023	INV	PD	EMPLOYEE REIMBURSEMENT
26851		03/08/2023		0323-1	961509	50.00	03/15/2023	INV	PD	HENNING CSWEA/IAWA CONF E
26927		03/27/2023		0323-2	961550	20.00	03/27/2023	INV	PD	ADDITIONAL PER DIEM OWED
						479.80				
			1189							LEAHY-WOLF COMPANY
26843		03/07/2023		0323-1	961506	9,990.00	03/15/2023	INV	PD	CHP ENGINE OIL - MAR 2023
26813		02/28/2023		0323-1	961506	9,990.00	03/15/2023	INV	PD	SO#184439 - LUBRICANTS -
						19,980.00				
			1207							1ST AYD CORPORATION
26941		03/21/2023		0323-2	961532	192.45	03/31/2023	INV	PD	#6307901901-GLOVES PPE -
26982		03/30/2023		0423-1	961564	31.66	04/15/2023	INV	PD	#7307901901-MAINT SUUPPLI
						224.11				
			1212							RJN GROUP, INC
26828	20230001	02/22/2023		0323-1	961520	11,800.00	03/15/2023	INV	PD	FLOW MONITORING SERVICES
26997	20230001	04/05/2023		0423-1	961590	11,800.00	04/15/2023	INV	PD	FLOW MONITORING SERVICES

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
27113	20230001	05/04/2023		0523-1	961662	11,800.00	05/15/2023	INV	PD	FLOW MONITORING SERVICES
26876	20220014	03/07/2023		0323-2	961558	1,917.50	03/15/2023	INV	PD	INTERCEPTOR REHABILITATIO
26996	20220014	04/05/2023		0423-1	961590	3,692.50	04/15/2023	INV	PD	INTERCEPTOR REHABILITATIO
						41,010.00				
1214 IMPACT NETWORKING, LLC										
26990		04/03/2023		0423-1	961579	279.75	04/15/2023	INV	PD	#14156_B-COPIER PAPER - A
1218 COLLEY ELEVATOR CO.										
26805		03/01/2023		0323-1	961489	206.00	03/15/2023	INV	PD	BE0945 - ELEV INSP - MAR
26985		04/01/2023		0423-1	961567	218.00	04/15/2023	INV	PD	#BE0945-MONTHLY ELEVATOR
27093		05/01/2023		0523-1	961636	218.00	05/15/2023	INV	PD	#BE0945-MONTHLY ELEVATOR
						642.00				
1223 CAPITAL ONE NATIONAL ASSN										
26945		03/22/2023		0323-2	961552	105.94	03/31/2023	INV	PD	#535690-OPERATIONS SUPPLI
26968		03/27/2023		0423-1	961586	31.06	04/15/2023	INV	PD	#535690-OPERATIONS SUPPLI
27025		04/17/2023		0423-2	961620	40.43	04/30/2023	INV	PD	#535690-OPERATIONS SUPPLI
27075		04/18/2023		0423-2	961620	157.94	04/30/2023	INV	PD	#535690-OPERATIONS SUPPLI
27076		04/18/2023		0423-2	961620	26.39	04/30/2023	INV	PD	#535690-MAINT PARTS - APR
27071		04/19/2023		0423-2	961620	32.46	04/30/2023	INV	PD	#535690-MAINT SUPPLIES -
27074		04/20/2023		0423-2	961620	144.24	04/30/2023	INV	PD	#535690-MAINT SUPPLIES -
27072		04/21/2023		0423-2	961620	-32.46	04/30/2023	CRM	PD	#535690-RETURNED ITEMS TO
27073		04/21/2023		0423-2	961620	29.99	04/30/2023	INV	PD	#535690-MAINT SUPPLIES -
27105		04/24/2023		0523-1	961653	7.37	05/15/2023	INV	PD	#535690-MAINT SUPPLIES -
						543.36				
1234 NISSEN ENERGY INC										
26913		03/23/2023		0323-2	3501	200.00	03/31/2023	DIR	PD	CHP PARTS - MAR 2023
27026		04/12/2023		0423-2	3522	21,274.92	04/30/2023	DIR	PD	#7901901-CHP PARTS - APR
						21,474.92				
1248 CONCENTRIC INTEGRATION										
27096		04/24/2023		0523-1	961638	1,345.42	05/15/2023	INV	PD	#202166.00-IT TIME & MATE
27079	20220015	04/24/2023		0523-1	961638	20,250.00	04/30/2023	INV	PD	REMOTE SITE TELEMETRY UPG
26835		01/16/2023		0323-1	961491	2,088.00	03/15/2023	INV	PD	#200932.00-BITDEFENDER SO
26890	20220015	03/20/2023		0323-2	961541	10,935.00	03/31/2023	INV	PD	REMOTE SITE TELEMETRY UPG
						34,618.42				
1255 HOMESTEAD ELECTRICAL CONTRACTING, LLC										
26906		03/14/2023		0323-2	961547	5,220.00	03/31/2023	INV	PD	JOB #1631-REPAIR WORK FRO
1265 PRODUCERS CHEMICAL COMPANY										
27111		04/24/2023		0523-1	961660	4,937.82	05/15/2023	INV	PD	#4091-CHEMICAL FOR DIGEST
1268 JP MORGAN CHASE NA										
1906939		04/05/2023		0423-2	3537	69.00	04/05/2023	DIR	PD	NATL TRUCK EQUIP-TRADESHO

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DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1946650		03/06/2023		0323-2	3503	71.82	03/27/2023	DIR	PD	AMAZON-WEATHER STATION
1946651		04/05/2023		0423-2	3535	64.95	04/05/2023	DIR	PD	AMAZON-SURFACE CASE
27042		04/05/2023		0423-2	3536	2,598.00	04/05/2023	DIR	PD	AFC GREENHOUSE-GAS HEATER
1946652		05/05/2023		0523-2	3591	116.86	05/30/2023	DIR	PD	NORTON-SOFTWARE RENEWAL
27270		05/05/2023		0523-2	3592	298.38	05/30/2023	DIR	PD	AMAZON-WEIGHT ROOM SUPPLI
27271		05/05/2023		0523-2	3593	33.99	05/30/2023	DIR	PD	BEST BUY-APPLE ACCESSORIE
261774		03/06/2023		0323-2	3502	300.96	03/27/2023	DIR	PD	DOUBLETREE-CSWEA/IAWA CON
261775		04/05/2023		0423-2	3538	15.98	04/05/2023	DIR	PD	YODECK-SOFTWARE LICENSING
261776		05/05/2023		0523-2	3569	15.98	05/30/2023	DIR	PD	YODECK.COM-INFO BOARDS SO
27250		05/05/2023		0523-2	3570	700.00	05/30/2023	DIR	PD	HOLIDAY INN-IPSI DILLMAN
1946555		03/06/2023		0323-2	3509	21.58	03/27/2023	DIR	PD	AMAZON-WALL HOOKS
26932		03/06/2023		0323-2	3510	30.99	03/27/2023	DIR	PD	AMAZON-IPAD CASE
26933		03/06/2023		0323-2	3511	104.04	03/27/2023	DIR	PD	PATRIOTBRANDS.COM-AMERICA
26934		03/06/2023		0323-2	3512	319.19	03/27/2023	DIR	PD	JACKSON HIRSCH-LAMINATING
26935		03/06/2023		0323-2	3513	8.99	03/27/2023	DIR	PD	AMAZON-USB CABLE
26936		03/06/2023		0323-2	3514	22.99	03/27/2023	DIR	PD	AMAZON-COFFEE SUPPLIES
26937		03/06/2023		0323-2	3515	93.15	03/27/2023	DIR	PD	GSBOOSTERS-FLOWERS FOR PO
26938		03/06/2023		0323-2	3516	99.00	03/27/2023	DIR	PD	TAYST.COM-COFFEE SUPPLIES
1946556		04/05/2023		0423-2	3523	82.89	04/05/2023	DIR	PD	FRANKLIN PLANNER-CALENDAR
27031		04/05/2023		0423-2	3524	367.00	04/05/2023	DIR	PD	AMESBURY TRUTH-ROOF HATCH
27032		04/05/2023		0423-2	3525	13.47	04/05/2023	DIR	PD	AMAZON-AIR FRESHNER
27033		04/05/2023		0423-2	3526	29.20	04/05/2023	DIR	PD	AMAZON-SUPPLIES
27034		04/05/2023		0423-2	3527	17.99	04/05/2023	DIR	PD	AMAZON-SUPPLIES
27035		04/05/2023		0423-2	3528	39.98	04/05/2023	DIR	PD	AMAZON-BEE HOUSES
27036		04/05/2023		0423-2	3529	325.00	04/05/2023	DIR	PD	IWEA-CONFERENCE SCHOO
27037		04/05/2023		0423-2	3530	298.80	04/05/2023	DIR	PD	STAPLES-PLANT MAPS
27038		04/05/2023		0423-2	3531	24.62	04/05/2023	DIR	PD	AMAZON-WATERING JUGS
27039		04/05/2023		0423-2	3532	78.53	04/05/2023	DIR	PD	AT&T-BACKUP INTERNET
27040		04/05/2023		0423-2	3533	40.00	04/05/2023	DIR	PD	IPASS-REPLENISHMENT
27041		04/05/2023		0423-2	3534	73.00	04/05/2023	DIR	PD	TAYST-COFFEE SUPPLIES
1946557		05/05/2023		0523-2	3549	22.99	05/30/2023	DIR	PD	AMAZON-COFFEE SUPPLIES
27230		05/05/2023		0523-2	3550	22.99	05/30/2023	DIR	PD	AMAZON-COFFEE SUPPLIES
27231		05/05/2023		0523-2	3551	116.06	05/30/2023	DIR	PD	JEWEL-MEETING SUPPLIES
27232		05/05/2023		0523-2	3552	24.72	05/30/2023	DIR	PD	AMAZON-CABINET ORGANIZER
27233		05/05/2023		0523-2	3553	15.48	05/30/2023	DIR	PD	STAPLES-BINDER
27234		05/05/2023		0523-2	3554	306.50	05/30/2023	DIR	PD	BRILLIANTPROMOS-STRESSBAL
27235		05/05/2023		0523-2	3555	11.69	05/30/2023	DIR	PD	AMAZON-SHELVING BRACKETS
27236		05/05/2023		0523-2	3556	49.99	05/30/2023	DIR	PD	AMAZON-SHRM TEST PREP BOO
27237		05/05/2023		0523-2	3557	244.00	05/30/2023	DIR	PD	SHRM-LENDABARKER MEMSHIP
27238		05/05/2023		0523-2	3558	866.90	05/30/2023	DIR	PD	SHRM-CERTIFICATION PREP C
27239		05/05/2023		0523-2	3559	19.99	05/30/2023	DIR	PD	SHRM-PREP CLASS BOOK
27240		05/05/2023		0523-2	3560	-56.71	05/30/2023	CRM	PD	SHRM-TAX REFUND
27241		05/05/2023		0523-2	3561	20.00	05/30/2023	DIR	PD	CSWEA-SEMINAR PETERS
27242		05/05/2023		0523-2	3562	15.99	05/30/2023	DIR	PD	JEWEL-INADVERTANT CHARGE
27243		05/05/2023		0523-2	3563	-24.72	05/30/2023	CRM	PD	AMAZON-REFUND CABINET ORG
27245		05/05/2023		0523-2	3564	78.53	05/30/2023	DIR	PD	AT&T-BACKUP INTERNET SVC
27246		05/05/2023		0523-2	3565	305.52	05/30/2023	DIR	PD	CROWN PLAZA-SCHOO CONF LO
27247		05/05/2023		0523-2	3566	40.00	05/30/2023	DIR	PD	IPASS-REPLENISHMENT
27248		05/05/2023		0523-2	3567	188.90	05/30/2023	DIR	PD	TRACTOR SUPPLY-SCHOO UNIF
27249		05/05/2023		0523-2	3568	146.00	05/30/2023	DIR	PD	TAYST-COFFEE SUPPLIES
253558		03/06/2023		0323-2	3517	234.40	03/27/2023	DIR	PD	DAILY HERALD-SUBSCRIPTION
26939		03/06/2023		0323-2	3518	272.97	03/27/2023	DIR	PD	CHICAGO TRIBUNE-SUBSCRIPT
26940		03/06/2023		0323-2	3520	146.00	03/27/2023	DIR	PD	CHICAGO TRIBUNE-SUBSCRIPT
253559		04/05/2023		0423-2	3543	600.00	04/05/2023	DIR	PD	AEROMIST-DEODORIZING SYST
27046		04/05/2023		0423-2	3544	272.97	04/05/2023	DIR	PD	B&B NETWORKS-PHONE SYSTEM

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DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
27047		04/05/2023		0423-2	3545	265.00	04/05/2023	DIR	PD	ISA.ORG-DZIEWIOR CERT REN
27048		04/05/2023		0423-2	3546	33.62	04/05/2023	DIR	PD	ONE WAY SAFETY-DRAGER PUM
2535510		05/05/2023		0523-2	3579	300.00	05/30/2023	DIR	PD	WEF.ORG-ONLINE CLASS PAKO
27259		05/05/2023		0523-2	3580	300.00	05/30/2023	DIR	PD	WEF.ORG-ONLINE CLASS SCHO
27260		05/05/2023		0523-2	3581	234.40	05/30/2023	DIR	PD	DAILY HERALD-QTRLY SUBSCR
27261		05/05/2023		0523-2	3582	146.00	05/30/2023	DIR	PD	CHICAGO TRIBUNE-QTRLY SUB
27262		05/05/2023		0523-2	3583	-18.00	05/30/2023	CRM	PD	AEROMIST-OVERHARGE
27263		05/05/2023		0523-2	3584	272.55	05/30/2023	DIR	PD	B2B TECHNOLOGIES-TELEPHON
27264		05/05/2023		0523-2	3585	27.58	05/30/2023	DIR	PD	AMAZON-PPE SUNSCREEN
27265		05/05/2023		0523-2	3586	22.99	05/30/2023	DIR	PD	AMAZON-PPE BUG SPRAY
27266		05/05/2023		0523-2	3587	162.52	05/30/2023	DIR	PD	AMAZON-WEIGHT ROOM EQUIPM
27267		05/05/2023		0523-2	3588	55.80	05/30/2023	DIR	PD	AMAZON-HAND LOTION
27268		05/05/2023		0523-2	3589	16.00	05/30/2023	DIR	PD	MONONA TER-CSWEA PARKING
27269		05/05/2023		0523-2	3590	700.00	05/30/2023	DIR	PD	HILTON-STAAAT LODGING
1946750		03/06/2023		0323-2	3504	335.00	03/27/2023	DIR	PD	CSWEA-CONF STREICHER, HEN
26928		03/06/2023		0323-2	3505	14.00	03/27/2023	DIR	PD	BANK OF SPRFLD-PARKING CS
26929		03/06/2023		0323-2	3506	12.74	03/27/2023	DIR	PD	ZOOM-MONTHLY FEE
26930		03/06/2023		0323-2	3507	300.96	03/27/2023	DIR	PD	DOUBLETREE-CSWEA/IAWA CON
26931		03/06/2023		0323-2	3508	52.97	03/27/2023	DIR	PD	CASEY'S-FUEL CSWEA/IAWA C
1946751		04/05/2023		0423-2	3539	127.81	04/05/2023	DIR	PD	IDNR ECOCAT-EVALUATION
27043		04/05/2023		0423-2	3540	540.00	04/05/2023	DIR	PD	CSWEA-CONFERENCE
27044		04/05/2023		0423-2	3541	770.00	04/05/2023	DIR	PD	ESRI-GIS ANNUAL SOFTWARE
27045		04/05/2023		0423-2	3542	13.59	04/05/2023	DIR	PD	ZOOM-SUBSCRIPTION
1946752		05/30/2023		0523-2	3571	1,000.00	05/30/2023	DIR	PD	NACWA-STAAAT CONF
27251		05/30/2023		0523-2	3572	13.59	05/30/2023	DIR	PD	ZOOM-MONTHLY SUBSCRIPTION
27252		05/30/2023		0523-2	3573	26.38	05/30/2023	DIR	PD	HILTON-CSWEA MEETING PARK
27253		05/30/2023		0523-2	3574	195.20	05/30/2023	DIR	PD	HILTON-CSWEA LODGING
27254		05/30/2023		0523-2	3575	10.00	05/30/2023	DIR	PD	METRA-USEPA MEETING TRAIN
27256		05/30/2023		0523-2	3576	2.00	05/30/2023	DIR	PD	VOGE-PARKING RECEIPT USEP
27257		05/30/2023		0523-2	3577	507.80	05/30/2023	DIR	PD	ALASKA AIR-NACWA AIR FARE
27258		05/30/2023		0523-2	3578	46.09	05/30/2023	DIR	PD	711-FUEL FOR CSWEA TRAVEL
						16,804.08				
1271 SYNAGRO-WWT										
26852		03/01/2023		0323-1	961524	15,590.40	03/15/2023	INV	PD	#3430-BIOSLOIDS HAULING -
26998		04/01/2023		0423-2	961627	23,116.80	04/15/2023	INV	PD	#3430-biosolids hauling -
27137		05/01/2023		0523-1	961664	16,665.60	05/15/2023	INV	PD	#3430-BIOSOLIDS HAULING-A
						55,372.80				
1278 TYCO FIRE & SECURITY (US) MANAGEMENT, INC.										
27020		04/08/2023		0423-2	961614	176.63	04/30/2023	INV	PD	#01300133259417-STCHAS LS
27019		04/08/2023		0423-2	961614	138.00	04/30/2023	INV	PD	#01300133268280-ALARM MON
						314.63				
1287 INDEPENDENT BEARING INC										
27215		05/23/2023		0523-2	961687	52.94	05/31/2023	INV	PD	MAINT PARTS - MAY 2023
26812		02/22/2023		0323-1	961502	4,442.03	03/15/2023	INV	PD	GBWW - MTNCE EQUIP - FEB
27018		04/13/2023		0423-2	961613	55.45	04/30/2023	INV	PD	MAINT PARTS - APR 2023
						4,550.42				
1296 ADVANCED WEIGHING SYSTEMS INC										

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
27089		05/02/2023		0523-1	961631	245.00	05/15/2023	INV	PD	ANNUAL LAB SCALES CALIBRA
1317 VEOLIA WATER TECHNOLOGIES, INC.										
26842		07/08/2022		0323-1	961505	468.45	03/15/2023	INV	PD	#1069008-CHEMICALS-DISC F
1327 ROBERT CHEJLAVA										
27003		04/13/2023		0423-1	961591	175.00	04/13/2023	INV	PD	EMPLOYEE REFUND
1340 PETRARCA, GLEASON, BOYLE & IZZO LLC										
26867		03/09/2023		0323-1	961515	600.00	03/15/2023	INV	PD	#G2700-LEGAL SVCS - FEB 2
27028		04/13/2023		0423-2	961623	525.00	04/30/2023	INV	PD	#G2700-LEGAL SVCS-GENERAL
27027		04/13/2023		0423-2	961623	300.00	04/30/2023	INV	PD	#G2700-02-LEGALS SVCS-LAW
27149		05/09/2023		0523-1	961657	375.00	05/15/2023	INV	PD	G2700-LEGAL SVCS-IEPA LOA
27150		05/09/2023		0523-1	961657	150.00	05/15/2023	INV	PD	G2700-02-LEGAL SVCS-THOMP
						1,950.00				
1344 VEGA BUILDING MAINTENANCE & SUPPLIES INC										
26829	20230003	02/28/2023		0323-1	961528	1,148.00	03/15/2023	INV	PD	JANITORIAL SERVICES
26975	20230003	04/01/2023		0423-1	961599	1,148.00	04/15/2023	INV	PD	JANITORIAL SERVICES
27118	20230003	04/30/2023		0523-1	961666	1,148.00	05/15/2023	INV	PD	JANITORIAL SERVICES
26854		02/07/2023		0323-1	961528	645.00	03/15/2023	INV	PD	CLEANING OF CONF & LUNCHR
26976		03/31/2023		0423-1	961599	185.00	04/15/2023	INV	PD	DEEP CLEANING OF WEIGHT R
						4,274.00				
1346 SEBERT LANDSCAPING										
27178	20230008	04/01/2023		0523-2	961691	3,299.00	05/31/2023	INV	PD	LANDSCAPE MAINT SERVICES
27177	20230008	05/01/2023		0523-2	961691	3,299.00	05/31/2023	INV	PD	LANDSCAPE MAINT SERVICES
						6,598.00				
1347 ILLINOIS RECOVERY GROUP INC.										
26793		11/16/2022		0323-1	961501	100.00	02/28/2023	INV	PD	#2099-MAINT-ANTIFREEZE RE
1348 GLEN ELLYN POLICE DEPARTMENT										
26857		03/02/2023		0323-1	961493	50.00	03/15/2023	INV	PD	#9289-FALS ALARM CALL-OUT
27001		04/03/2023		0423-1	961571	50.00	04/15/2023	INV	PD	#9289-FALSE ALARM CALL-OU
						100.00				
1360 VIKING ELECTRIC										
26826		02/23/2023		0323-1	961530	827.12	03/15/2023	INV	PD	V43537-MTNCE ELEC - FEB 2
1372 PEERLESS NETWORK, INC.										
26847		03/01/2023		0323-1	961514	633.19	03/15/2023	INV	PD	#GLENBARW9564-PHONE USAGE
26969		04/01/2023		0423-1	961588	375.85	04/15/2023	INV	PD	#GLENBARW9564-PHONE SVC -
27108		05/01/2023		0523-1	961656	373.29	05/15/2023	INV	PD	#GLENBARDW9564-PHNE SVCS-

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						1,382.33				
1381 ANTHEM EXCAVATION & DEMOLITION INC										
27155	20220012	05/17/2023		0523-2	961672	1,932.50	05/31/2023	INV	PD	HOUSE DEMO 1S641 SUNNYBRO
1382 WATER ONE INC										
27121		01/16/2023		0523-1	961668	50.00	05/15/2023	INV	PD	#1029292-BOTTLED WATER SV
26827		02/20/2023		0323-1	961531	43.25	03/15/2023	INV	PD	1029292-WATER DEL - FEB 2
26924		03/21/2023		0323-2	961562	36.50	03/31/2023	INV	PD	#1029292-BOTTLED WATER SV
27077		04/21/2023		0423-2	961630	56.75	04/30/2023	INV	PD	#1029292-BOTTLED WATER SV
27222		05/23/2023		0523-2	961695	43.25	05/31/2023	INV	PD	#1029292-BOTTLED WATER SV
						229.75				
1385 JEREMY HENNING										
26838		03/08/2023		0323-1	961503	50.00	03/15/2023	INV	PD	HENNING CSWEA-IAWA CONF E
26926		03/27/2023		0323-2	961548	20.00	03/27/2023	INV	PD	ADDITIONAL PER DIEM OWED-
						70.00				
1391 KNPHEIDE-EQUIPMENT CO-CHICAGO										
27021		03/17/2023		0423-2	961615	2,602.10	04/30/2023	INV	PD	DAMAGE REPAIR TO VEHICLE
1392 METROPOLITAN INDUSTRIES INC.										
26925		03/23/2023		0323-2	961553	1,190.67	03/31/2023	INV	PD	#650-CSO PARTS - MAR 2023
1393 JONATHAN CHINCHILLA										
27092		05/01/2023		0523-1	961634	2,645.60	05/15/2023	INV	PD	BEAVER TRAPPING SVCS - AP
1394 BADGER DAYLIGHTING CORP.										
27006		04/14/2023		0423-2	961603	2,298.66	04/30/2023	INV	PD	CHP MEDIA REMOVAL SVCS -
1395 MIDWEST BIOSOLIDS ASSOCIATION INC										
26993		04/05/2023		0423-1	961587	325.00	04/15/2023	INV	PD	ASSOCIATION MEMBERSHIP DU
1396 RYLEE SCHOO										
27029		04/18/2023		0423-2	961625	318.42	04/30/2023	INV	PD	SCHOO IWPCO-IWEA TRAVEL E
1397 CIRCLE GEAR & MACHINE COMPANY, INC.										
27087		04/21/2023		0523-1	961635	6,980.00	04/30/2023	INV	PD	MANUFACTURE OF HELICAL PI
1398 QRS/QUALITY REDUCER SERVICE INC										
27122		05/01/2023		0523-1	961661	875.00	05/15/2023	INV	PD	SCREW PUMP GEARBOX REBUIL
1399 B&H FOTO & ELECTRONICS CORP										

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
27158		05/10/2023		0523-2	961674	1,774.51	05/31/2023	INV	PD	#B6933014-VIDEO CAMERAS -
						1,774.51				
450 INVOICES						840,494.02				

\*\* END OF REPORT - Generated by Mary Romanelli \*\*

## **SECTION 5.3**

# **DECLARATION OF SURPLUS**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

**FROM:** Jeremy Henning, Assistant Executive Director

**DATE:** June 08, 2023

**RE:** Declaration of Surplus

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Per Glenbard's NPDES Permit, Special Condition 18 Paragraph C, the Authority shall participate in a watershed Chloride Reduction Program, either directly or through the DuPage River Salt Creek Workgroup (DRSCW). One of the primary efforts in the Chloride Reduction Program is to minimize or cease the use of rock salt for road deicing. For many municipalities, completely discontinuing rock salt use is not feasible due to safety concerns on higher speed/higher traffic roadways. Since the Authority only has low speed local traffic at the primary treatment facility and CSO, the choice to discontinue rock salt use does not create any vehicle safety concerns.

In the early 2010's, in accordance with the efforts of the Chloride Reduction Program and the Authority's environmental stewardship goals, the Authority agreed to discontinue use of rock salt on primary vehicle traffic areas (some small amounts of rock salt are still in use for staff walkways). As an alternative, a liquid brine solution is used and has worked well for the Authority since that time. Liquid brine deicing utilizes different equipment to spread the solution and as such, the salt spreading equipment previously used by the Authority is no longer in use. A Saltdogg SHPE2000 Electric Poly Hopper Spreader was purchased by the Authority in 2007 for application of rock salt on paved areas. The Saltdogg is comprised of a large portable hopper that is mounted to the back of one of the Authority trucks and an electric control unit and wiring harness. Since the hopper, spreader, and control unit have not been used since the early 2010's, some revenue can be generated by auctioning off the no longer used equipment.

Therefore, enclosed with this memo, is the formal resolution to auction off the Saltdogg SHPE2000 Electric Poly Hopper Spreader for approval. The Authority respectfully requests that the EOC motion to approve Resolution No. 002-2023, a resolution authorizing the sale of equipment – Saltdogg SHPE2000 Electric Poly Hopper Spreader.

**GLENBARD WASTEWATER AUTHORITY  
Executive Oversight Committee**

**RESOLUTION NO. 002-2023**

**A resolution authorizing the  
sale of equipment --  
SaltDogg SHPE2000 Electric Poly Hopper Spreader**

**WHEREAS**, the Executive Director has made a recommendation for the disposal of a certain item of equipment owned by the Authority, specifically, a SaltDogg SHPE2000 Electric Poly Hopper Spreader;

**WHEREAS**, pursuant to the Intergovernmental Agreement between the Villages of Glen Ellyn and Lombard in Regard to the Glenbard Wastewater Authority, as amended and restated April 17, 2014 (“IGA”), Section II.C.v, this Committee may authorize the sale of equipment of the Authority which it determines to be obsolete and no longer necessary for the operations of the Authority;

**NOW, THEREFORE, Be It Resolved by the Executive Oversight Committee of the Glenbard Wastewater Authority, DuPage County, Illinois, as follows:**

**Section 1.** The recitals above are incorporated herein as findings of the Committee.

**Section 2.** It is hereby determined that the Equipment, as identified above, is obsolete and no longer necessary for the operation of the Authority.

**Section 3.** The Executive Director is hereby directed to conduct a public auction for the Equipment. If said auction does not result in an acceptable bid, the Executive Director is authorized to donate any unsold items of surplus property to any charitable cause, with preference given to those charities located, or having a presence, in the service area of the Authority. In the event no charitable cause can be found for such purposes, the Executive Director may give the surplus property to any non-profit organization or, at his option, have the items disposed of.

[illegible]

## CERTIFICATION

I, the undersigned, do hereby certify that I am the duly qualified and acting Secretary of the Executive Oversight Committee of the Glenbard Wastewater Authority, DuPage County, Illinois, and that as such official I am the keeper of the records and files of the Board.

I do further certify that the foregoing is a full, true, and complete copy of the resolution adopted by the Committee at a meeting of the Committee held on the 8<sup>th</sup> day of September, 2022.

I do further certify that the deliberations of the Committee on the adoption of said resolution were conducted openly, that the vote on the adoption of said resolution was taken openly, that said meeting was duly given to all newspapers, radio or television stations and other news media requesting such notice, that said meeting was called and held in strict compliance with the provisions of the Open Meetings Act of the State of Illinois, as amended, and that the Committee has complied with all of the provisions of said Act and with all of the procedural rules of the Authority and the Committee in the conduct of said meeting.

**IN WITNESS WHEREOF**, I hereunto affix my official signature this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Secretary, Executive Oversight Committee

## **SECTION 5.4**

# **CHP MEDIA PURCHASE**

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## MEMORANDUM

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**TO:** Matt Streicher, Executive Director

**FROM:** Andrew Pakosta, Operations Superintendent

**DATE:** June 8, 2023

**RE:** CHP H2S Removal Media

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The Operations Department performed a cost comparison for current pricing on media for our Bio-fuel Gas engines. We found three manufacturers that produce the media that we require for our gas conditioning system, this media order is just for the H2S removal. These quotes were originally obtained for the March 2023 EOC meeting; however, prices have not changed since that time.

Company	Cost of the Media
Chemical Products*	\$ 26,295.13
Unison Solutions	\$ 28,950.00
Schlumberger**	\$ 20,179.36

\* - Incomplete quote, missing parts

\*\* - Not a comparable product

As there is no specific date when the existing media will reach its useful life, GWA staff is performing in-house testing and monthly gas testing in an effort to better determine how much time we have before the Media expires. Since there is little expiration notice, it is preferred to have the media onsite and available in an effort to minimize the down time of the engines.

It is recommended to stay with the Unison media even though the other quotes are lower. The Schlumberger product requires potable water injection when treating saturated gas and therefore would require a potable water line tap into the existing methane pipe before the H2S media tank. It is known that the Unison media is effective and does not require any special modifications to the gas conditioning system, making it the most responsible choice. In addition, the potable water costs and the required modifications associated with the Schlumberger product would be substantial over the life expectancy of the H2S media, and therefore close the gap between the Unison product cost. Chemical Products media expected life is only (141 days) we would have to purchase it multiple times to equal the unison media.

In the 2023 GWA budget, staff allocated \$100,000 for the purchase of this media in budget category Plant Equipment Rehabilitation account 40-580150, which to date, only \$28,950 has been expended. These quotes are an estimate due to varying shipping costs and is dependent on the final approval date. This purchase is below the budgeted amount and leaves remaining funds for the purchase of the siloxane conditioning media at a later date.

In the future, the Authority will seek that competitive bidding/pricing be waived for this product, as prices will be re-evaluated on a 3-year basis as defined in section B.6.b of the Village's Purchasing Policy; Recurring purchases: If a purchase of goods or services is recurring and/or ongoing, a quote may be obtained once every three years, so long as the cost remains competitive and there is no significant (i.e., 10%) change to the scope of goods/services.

## **SECTION 6.0**

# **APPROVAL OF THE CY2022 FINANCIAL AUDIT**

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## MEMORANDUM

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**TO:** Executive Oversight Committee  
**FROM:** Patrick Brankin, Assistant Finance Director  
**DATE:** June 8, 2023  
**RE:** 2022 Audited Financial Statements

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### 2022 Audited Financial Statements

Attached is the Annual Audited Financial Statements for the Glenbard Wastewater Authority for the fiscal year that ended December 31, 2022.

Financial highlights for the Authority's fiscal year 2022 (FY2022) are presented on pages 6-8 of the report. A complete narrative summary of the Authority's operations and financial position is found in Management's Discussion and Analysis on pages 5-14. I will present highlights of the financial report during the EOC meeting and our audit partner, Jamie Wilkey, will present the auditor's opinion.

The Authority again received an unmodified audit opinion from the auditing firm, Lauterbach & Amen LLP, which is the highest and best opinion.

### Operating Fund Surplus

The Operating Fund Surplus, before the long-term pension adjustment and adjustment for MICA reserves, was \$375,953. We annually adjust the partners' contributions to match expenses. Using this measure, the Village of Lombard is owed \$218,168 and Glen Ellyn is owed \$157,785 for the fiscal year ended December 31, 2022.

As of December 31, 2022, the Authority's working cash was 34.8% of operating expenses, or \$417,157 above minimum 25% as set in the current intergovernmental agreement. A complete schedule detailing the working cash calculation may be found in the notes to the financial statements (page 33-34). As the year end amount is below the working cash minimum, we can distribute the entire amount.

The operating surplus may be either rebated back to each community or may be distributed to the Capital Fund. In the past, the operating surplus has been distributed to the Capital Fund and has been used for either specific projects or to offset future Capital Fund rate increases to both Villages.

### Other Communications

There are two other communications that are included as attachments to this memo.

**SAS114 Letter:** This letter is a required communication between the auditors and those charged with governance. It highlights certain areas that auditors are required to disclose each year to those charged with governance.

**Management Letter:** This letter only highlights forthcoming accounting standards for the coming year. There are no internal control matters reported in the letter.

Proposed Action Items:

Motion to accept the Audited Financial Statements of the Glenbard Wastewater Authority for the fiscal year ended December 31, 2022 and to forward the audit report to the full Authority Board for final approval at the next annual meeting.

Motion to allocate the 2022 operating surplus of \$375,953 to the Capital Fund.



May 25, 2023

The Honorable Chairman  
Members of the Board of Directors  
Glenbard Wastewater Authority  
Glen Ellyn, Illinois

We have audited the financial statements of the business-type activities, each major fund, and the aggregate remaining fund information of the Glenbard Wastewater Authority, (the Authority), Illinois for the year ended December 31, 2022. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards (and, if applicable, *Government Auditing Standards* and the Uniform Guidance), as well as certain information related to the planned scope and timing of our audit. We have communicated such information in our letter to you dated May 25, 2023. Professional standards also require that we communicate to you the following information related to our audit.

### Significant Audit Findings

#### *Qualitative Aspects of Accounting Practices*

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by the Authority are described in the Note 1 to the financial statements. No new accounting policies were adopted and the application of existing policies was not changed during the year ended December 31, 2022. We noted no transactions entered into by the Authority during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The most sensitive estimates affecting the business-type activities' financial statements were:

Management's estimate of the depreciation/amortization expense on capital assets is based on assumed useful lives of the underlying capital assets and the net pension liability is based on estimated assumptions used by the actuary. We evaluated the key factors and assumptions used to develop the depreciation/amortization expense and the net pension liability, estimates in determining that it is reasonable in relation to the financial statements taken as a whole.

The financial statement disclosures are neutral, consistent, and clear.

#### *Difficulties Encountered in Performing the Audit*

We encountered no significant difficulties in dealing with management in performing and completing our audit.

#### *Corrected and Uncorrected Misstatements*

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. Any material misstatements detected as a result of audit procedures were corrected by management.

Significant Audit Findings - Continued

*Disagreements with Management*

For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditor's report. We are pleased to report that no such disagreements arose during the course of our audit.

*Management Representations*

We have requested certain representations from management that are included in the management representation letter dated May 25, 2023.

*Management Consultations with Other Independent Auditors*

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to the Authority's financial statements or a determination of the type of auditor's opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

*Other Audit Findings or Issues*

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the Authority's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

Other Matters

We applied certain limited procedures to the required supplementary information (RSI) that supplements the basic financial statements. Our procedures consisted of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We did not audit the RSI and do not express an opinion or provide any assurance on the RSI.

We were engaged to report on the other supplementary, which accompany the financial statements but are not RSI. With respect to this supplementary information, we made certain inquiries of management and evaluated the form, content, and methods of preparing the information to determine that the information complies with the accounting principles generally accepted in the United States of America, the method of preparing it has not changed from the prior period, and the information is appropriate and complete in relation to our audit of the financial statements. We compared and reconciled the supplementary information to the underlying accounting records used to prepare the financial statements or to the financial statements themselves.

Restrictions on Use

This information is intended solely for the use of the Board of Directors and management of the Authority and is not intended to be, and should not be, used by anyone other than these specified parties.

We wish to express our gratitude to the Board of Directors and staff (in particular the Finance Department) of the Glenbard Wastewater Authority, Illinois for their valuable cooperation throughout the audit engagement.

*Lauterbach & Amen, LLP*  
LAUTERBACH & AMEN, LLP

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

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## MANAGEMENT LETTER

FOR THE FISCAL YEAR ENDED  
DECEMBER 31, 2022

945 Bemis Road  
Glen Ellyn, IL 60137  
Phone: 630.790.1901  
Fax: 630.858.8119  
[www.gbww.org](http://www.gbww.org)



May 25, 2023

The Honorable Chairman  
Members of the Board of Directors  
Glenbard Wastewater Authority  
Glen Ellyn, Illinois

In planning and performing our audit of the financial statements of the Glenbard Wastewater Authority (the Authority), Illinois, for the year ended December 31, 2022, we considered its internal control structure in order to determine our auditing procedures for the purpose of expressing our opinion on the financial statements and not to provide assurance on the internal control structure.

We do not intend to imply that our audit failed to disclose commendable aspects of your system and structure. For your consideration, we herein submit our comments and suggestions which are designed to assist in effecting improvements in internal controls and procedures. Those less-significant matters, if any, which arose during the course of the audit, were reviewed with management as the audit field work progressed.

The accompanying comments and recommendations are intended solely for the information and use of the Board and senior management of the Glenbard Wastewater Authority, Illinois.

We will review the status of these comments during our next audit engagement. We have already discussed many of these comments and suggestions with various Authority personnel. We would be pleased to discuss our comments and suggestions in further detail with you at your convenience, to perform any additional study of these matters, or to review the procedures necessary to bring about desirable changes.

We commend the finance department for the well-prepared audit package and we appreciate the courtesy and assistance given to us by the entire Authority staff.

*Lauterbach & Amen, LLP*

LAUTERBACH & AMEN, LLP

## CURRENT RECOMMENDATION

### 1. **GASB STATEMENT NO. 96 SUBSCRIPTION-BASED INFORMATION TECHNOLOGY ARRANGEMENTS**

#### Comment

In May 2020, the Governmental Accounting Standards Board (GASB) issued Statement No. 96, *Subscription-Based Information Technology Arrangements*, which provides guidance regarding the information needs of financial statement users by improving accounting and financial reporting for Subscription-Based Information Technology Arrangements (SBITAs) by governments. It establishes uniform accounting and financial reporting requirements for SBITAs, improves the comparability of financial statements among governments that have entered into SBITAs, and enhances the understandability, reliability, relevance, and consistency of information about SBITAs. GASB Statement No. 96, *Subscription-Based Information Technology Arrangements* is applicable to the Authority's financial statements for the year ended December 31, 2023.

#### Recommendation

Lauterbach & Amen, LLP will work directly with the Authority to review the new SBITA criteria in conjunction with the Authority's current arrangements to determine the appropriate financial reporting for these activities under GASB Statement No. 96.

#### Management Response

Management acknowledges this comment and, if applicable, will work with Lauterbach and Amen, LLP to implement it by December 31, 2023, as required by GASB.

## PRIOR RECOMMENDATION

### 1. GASB STATEMENT NO. 87 LEASES

#### Comment

In June 2017, the Governmental Accounting Standards Board (GASB) issued Statement No. 87, *Leases*, which provides guidance regarding the information needs of financial statement users by improving accounting and financial reporting for leases by governments. It establishes a single model for lease accounting based on the foundational principle that leases are financings of the right to use an underlying asset. Under this Statement, a lessee is required to recognize a lease liability and an intangible right-to-use lease asset, and a lessor is required to recognize a lease receivable and a deferred inflow of resources, thereby enhancing the relevance and consistency of information about governments' leasing activities. In accordance with GASB Statement No. 95, *Postponement of the Effective Dates of Certain Authoritative Guidance*, which was issued as temporary relieve to governments and other stakeholders in light of the COVID-19 pandemic, GASB Statement No. 87, *Leases* is applicable to the Authority's financial statements for the year ended December 31, 2022

#### Recommendation

Lauterbach & Amen, LLP will work directly with the Authority to review the new lease criteria in conjunction with the Authority's current leases to determine the appropriate financial reporting for these activities under GASB Statement No. 87.

#### Status

This comment has been implemented and will not be repeated in the future.

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

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## ANNUAL FINANCIAL REPORT

FOR THE FISCAL YEAR ENDED  
DECEMBER 31, 2022

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# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

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## **FINANCIAL SECTION**

This section includes:

Independent Auditors' Report

Management's Discussion and Analysis

Basic Financial Statements

Required Supplementary Information

Other Supplementary Information

## **INDEPENDENT AUDITORS' REPORT**

This section includes the opinion of the Authority's independent auditing firm.



## **INDEPENDENT AUDITORS' REPORT**

May 25, 2023

The Honorable Chairman  
Members of the Board of Directors  
Glenbard Wastewater Authority  
Glen Ellyn, Illinois

### **Opinions**

We have audited the accompanying financial statements of the the business-type activities, each major fund, and the aggregate remaining fund information of the Glenbard Wastewater Authority (Authority), Illinois, as of and for the year ended December 31, 2022, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the business-type activities, each major fund, and the aggregate remaining fund information of the Glenbard Wastewater Authority, Illinois, as of December 31, 2022, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

### **Basis for Opinions**

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Authority, and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

### **Responsibilities of Management for the Financial Statements**

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Authority's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

## **Auditor's Responsibilities for the Audit of the Financial Statements**

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with generally accepted auditing standards, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Authority's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

## **Required Supplementary Information**

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, the budgetary comparison schedules, and GASB-required pension reporting, as listed in the table of contents, be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

### **Supplementary Information**

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Glenbard Wastewater Authority, Illinois' basic financial statements. The other supplementary information is presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, other supplementary information is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

### **Prior-Year Comparative Information**

We have previously audited Glenbard Wastewater Authority's December 31, 2021 financial statements, and we expressed an unmodified audit opinions on the respective financial statements of the business-type activities, and the aggregate remaining fund information in our report dated May 31, 2022. In our opinion, the summarized comparative information presented herein as of and for the year ended December 31, 2021, is consistent, in all material respects, with the audited financial statements from which it has been derived.

*Lauterbach & Amen, LLP*

LAUTERBACH & AMEN, LLP

## **MANAGEMENT'S DISCUSSION AND ANALYSIS**

# **GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

## **Management's Discussion and Analysis**

**December 31, 2022**

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This discussion and analysis of the Glenbard Wastewater Authority (the “Authority”) is designed to provide the reader an objective and easily readable analysis of the Authority’s financial activities for the fiscal year 2022 which began on January 1, 2022 and concluded on December 31, 2022. Also highlighted in this analysis are significant financial transactions and issues, comparisons to prior year activities, any relevant trend information, and changes in the Authority’s financial position.

This discussion and analysis is an integral part of the Authority’s financial statements and should be read in conjunction with the financial statements, which can be found in the financial section of this report.

### **Background and Overview of the Financial Statements**

The Authority was established by an intergovernmental agreement dated November 28, 1977 between the neighboring Villages of Lombard and Glen Ellyn, Illinois for the purpose of jointly treating and processing wastewater. Prior to creation of the Authority, wastewater processing was decentralized. The Authority processes wastewater for the Villages of Lombard and Glen Ellyn as well as certain other areas in DuPage County.

The four principal components of the Authority are the Glenbard Plant, the Lombard Combined Sewerage Treatment Facility (LCSTF) facility, the North Regional Interceptor (NRI) and the South Regional Interceptor (SRI). The original construction cost of these facilities was approximately \$43 million, with \$32 million contributed by a grant from the United States Environmental Protection Agency (USEPA) and the remaining \$11 million contributed by Lombard and Glen Ellyn.

The Board of Directors of the Authority consists of the Village President and six Trustees from each of the Villages of Lombard and Glen Ellyn. The Executive Oversight Committee (EOC) is responsible for overseeing the operational aspects of the Authority’s activities and is composed of both Village Presidents, both Village Managers, one Trustee representative from each Village Board and one staff member, traditionally the Public Works Director, of each Village. The Committee meets monthly and reviews operational and staff reports, approves Authority expenditures, awards various contracts for services, reviews the financial statements, reviews and recommends an annual budget to the full Authority Board and performs other functions as defined in the intergovernmental agreement.

The Village of Glen Ellyn is identified by the intergovernmental agreement as the “operating” or lead agency of the Authority. In its capacity as lead agency, Glen Ellyn performs operational supervision, accounting, personnel and administrative services for the Authority on a contractual basis.

The Authority’s accounting and financial transactions are recorded in two separate funds - the Operating Fund and the Equipment Replacement Fund.

The Operating Fund pays for the day-to-day operating costs of the Glenbard Plant, LCSTF, NRI and SRI and includes costs such as staff salaries and benefits, contractual services, sludge removal, utilities, insurance and related expenses. Operating costs are allocated between the Lombard and Glen Ellyn partners based on a five year rolling average of the percentage of wastewater flow contributed by each community.

# **GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

## **Management's Discussion and Analysis**

**December 31, 2022**

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### **Background and Overview of the Financial Statements - Continued**

Each Village contributes a monthly amount to the Authority based on the adopted Operating Fund budget for the year. These contributions are adjusted two times per fiscal year based on actual wastewater flow share between the parties. Also, an adjustment is made after the conclusion of the fiscal year so that total year-end operating revenues are equivalent to total year-end operating expenses, excluding the adjustment for the IMRF pension obligation.

The Equipment Replacement Fund was established to accumulate funds for the repair and replacement of plant components as needed and was a required element for the initial grant assistance received from the Federal EPA. The two partners contribute a budgeted amount to the Equipment Replacement Fund each year based the wastewater flow split percentage of the Glenbard Plant and associated infrastructure.

### **Financial Highlights**

1. The Authority's overall cash position at December 31, 2022 increased by \$1,144,254 or by 18.4% compared to balances at the close of the prior fiscal year. The Operating Fund experienced an increase in cash balance of \$106,771, while the Equipment Replacement Fund's cash balance increased by \$1,037,483. The Equipment Replacement Fund received loan proceeds from the Illinois Environmental Protection Agency (IEPA) in the amount of \$1.4 million and has incurred capital costs of \$2.4 million. The main project undertaken is the Biosolids Dewatering Project, a major rehabilitation of the Authority's facilities. See the financial section of this report for detailed cash flow information.
2. Total Operating Fund expenses for fiscal year 2022 were \$4,346,546, an increase of \$290,946 or 7.2% compared to the previous fiscal year. For additional information concerning changes in operating costs compared to the prior fiscal year, the Operating Fund Expenses chart in this Management's Discussion and Analysis.
3. Total Operating Fund expenses were under the approved budget of \$4,663,218 by \$316,672 or 6.8%. Additional budget comparison information is located in the financial section of this report.
4. Beginning net position was restated due to the implementation of GASB Statement No. 87.
5. Amounts due from/(to) each of the Villages as of December 31, 2022, include following components:

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Management's Discussion and Analysis

December 31, 2022

### Financial Highlights - Continued

	Village of Lombard	Village of Glen Ellyn	Totals
Billing Adjustment for the Fiscal Year Ended on December 31, 2022	\$ (218,168)	(157,785)	(375,953)
Billing Adjustment - July 2022 to December 2022	(22,991)	22,991	—
Cumulative Balance Due from (to) Villages	(241,159)	(134,794)	(375,953)

\*This balance is the end result of actual expenses compared to actual fiscal flow splits on an accrual basis after any necessary audit adjustments are made.

6. The percentage of wastewater flow contributed by each of the partners to the Glenbard Plant for 2022 compared to the previous two years is shown below:

	FY 2020	FY 2021	FY 2022
Village of Lombard	59.28%	59.94%	59.23%
Village of Glen Ellyn	40.72%	40.06%	40.77%

A history of annual flow data is presented on Schedule of Allocation Costs.

7. The Authority has a minimum working cash policy for its Operating Fund equal to 25% of operating expenses (see Note 3). The Authority's net working cash balance of \$1,492,111 as of December 31, 2022 is equivalent to a 34.8% reserve level, above the minimum 25% level by \$417,157.
8. The Authority invested significantly in capital projects during 2022. The Authority completed the Electric Service Distribution System rehabilitation and the Biosolids Dewatering Improvement Project in 2022. These projects included the replacement of the Authority-owned electric distribution network and the replacement of the Authority's two belt filter presses that are used to dewater biosolids. As of December 31, 2022, \$5 million and \$2.4 million had been expended on these projects, respectively.

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Management's Discussion and Analysis

December 31, 2022

### Authority's Financial Analysis

#### *Net Position*

The Statement of Net Position includes all of the Authority's assets/deferred outflows and liabilities/deferred inflows and provides information about the nature and amount of investments in resources and the obligations to creditors. This statement provides the basis for evaluating the capital structure and assessing the liquidity and financial flexibility of the Authority.

A summary of the Authority's Statement of Net Position is presented on the next page.

	FY 2020	FY 2021	FY 2022
Current and Other Assets	\$ 10,049,485	8,443,969	8,298,088
Capital Assets	52,497,950	55,142,459	54,195,048
Total Assets	62,547,435	63,586,428	62,493,136
Deferred Outflows	82,533	53,318	839,317
Total Assets & Deferred Outflows	62,629,968	63,639,746	63,332,453
Long Term Debt	18,450,374	17,279,315	17,730,437
Other Liabilities	2,576,779	2,637,053	2,273,036
Total Liabilities	21,027,153	19,916,368	20,003,473
Deferred Inflows	818,225	1,346,275	391,905
Total Liabilities & Deferred Inflows	21,845,378	21,262,643	20,395,378
Net Investment in Capital Assets	33,603,245	36,663,316	35,594,239
Restricted	7,181,345	5,713,787	7,342,836
Total Net Position	40,784,590	42,377,103	42,937,075

The total net position of the Authority increased \$326,158 to \$42,937,075, an increase of 0.8% from the prior fiscal year, due to the contribution by the Villages of the previous year operating surplus to the Equipment Replacement Fund as well as other revenue streams such as connection fees, FOG (fats, oils, and grease) revenue and leachate revenue. These were partially offset by an increase in the Illinois Municipal Retirement Fund (IMRF) pension expense/(revenue) in the Operating Fund of a negative \$360,627 in 2021 to \$142,713, an increase of \$503,340. This is due to poor investment returns for IMRF which impacted pension expense/(revenue).

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Management's Discussion and Analysis

December 31, 2022

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### Authority's Financial Analysis - Continued

#### *Activities*

The Statement of Revenues, Expenses and Changes in Net position provides an indication of the Authority's financial health. A summary of the Authority's Statement of Revenues, Expenses and Changes in Net Position is presented below.

	FY 2020	FY 2021	FY 2022
Operating Revenues	\$ 7,889,975	8,216,689	7,991,500
Non-Operating Revenues	748,882	889,839	810,657
Total Revenues	8,638,857	9,106,528	8,802,157
Depreciation Expense	2,453,593	2,424,262	3,364,022
Other Operating Expenses	4,457,538	4,699,312	4,765,584
Non-Operating Expenses	748,401	390,441	346,393
Total Expenses	7,659,532	7,514,015	8,475,999
Changes in Net Position	979,325	1,592,513	326,158
Net Position – Beginning as Restated	39,805,265	40,784,590	42,610,917
Net Position – Ending	40,784,590	42,377,103	42,937,075

#### *Revenues*

##### Operating Fund Revenues

Operating Fund operating revenues consist of contributions made by the Villages of Lombard and Glen Ellyn. These contributions are initially based on the adopted Operating Fund budget for the year and are adjusted so that total year-end operating revenues are equivalent to total year-end operating expenses, excluding depreciation expense and IMRF GASB 68 pension adjustment. Amounts that are contributed by the partners in excess of total year-end operating expenses are distributed based on each partner's five-year rolling average wastewater flow and are recorded in the Statement of Net Position as liabilities payable to the respective Villages.

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS****Management's Discussion and Analysis****December 31, 2022****Authority's Financial Analysis - Continued*****Revenues - Continued*****Operating Fund Revenues - Continued**

A comparison of Operating Fund operating revenues from charges to the Villages for the fiscal year ended December 31, 2022 compared to the previous two years is shown in the table below.

Partner	FY 2020	FY 2021	FY 2022	\$ Change from 2021 to 2022	% Change from 2021 to 2022
Village of Lombard	\$ 2,518,863	\$ 2,720,707	\$ 2,533,385	\$ (187,322)	(6.89%)
Village of Glen Ellyn	1,730,062	1,818,521	1,743,880	(74,641)	(4.10)%
Totals	4,248,925	4,539,228	4,277,265	(261,963)	

Operating revenues charged to the Villages are directly correlated to changes in operating costs. An analysis of operating costs can be found in the financial section of this report.

**Equipment Replacement Fund Revenues**

A comparison of Equipment Replacement Fund revenues for the fiscal year ended December 31, 2022 compared to the previous two years is shown in the table below:

Revenue	FY 2020	FY 2021	FY 2022	\$ Change from 2021 to 2022	% Change from 2021 to 2022
Lombard (1)	\$ 1,989,294	\$ 2,021,244	\$ 2,026,714	\$ 5,470	0.27%
Glen Ellyn (1)	1,651,756	1,656,217	1,687,521	31,304	1.89%
Excess Contributions (2)	181,469	353,423	155,452	(197,971)	(56.02%)
Connection Fees	142,566	84,682	83,089	(1,593)	(1.88%)
Leachate Revenue (3)	159,075	118,824	59,851	(58,973)	(49.63%)
Cell Tower Revenue (4)	57,157	59,443	—	(59,443)	(100.00%)
FOG Revenue (5)	105,174	151,735	185,065	33,330	21.97%
Investment Income (6)	37,937	6,543	88,551	82,008	1253.37%
Other Income (4)	5,050	110,616	178,831	68,215	61.67%
Total Revenues	4,329,478	4,562,727	4,465,074	(97,653)	

## **GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

### **Management's Discussion and Analysis**

**December 31, 2022**

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#### **Authority's Financial Analysis - Continued**

##### ***Revenues - Continued***

##### **Equipment Replacement Fund Revenues - Continued**

1. Each partner contributes an annual amount to be allocated for reinvestment in plant infrastructure and rehabilitation. Contributions are determined annually as a part of the budget preparation process and are allocated based on the wastewater flows contributed by each partner at the Glenbard Plant.
2. As part of the closeout of the 2021 fiscal year, both Villages contributed their portion of the operating surplus in the Operating Fund to the Equipment Replacement Fund.
3. Leachate is the groundwater collected from around old/out of service garbage landfills. The revenue from leachate is dependent on how much leachate is received, which varies based on precipitation and other factors. The primary cause of the decrease in this revenue from 2021 to 2022 was the opening of additional wastewater treatment facilities in the area which accept leachate.
4. The Authority receives revenue for the EnerNoc Demand Response Program, which enables program participants to receive payment for being available to reduce or eliminate electricity consumption when the reliability of the electric grid is in jeopardy. \$26,000 related to this program was received in 2022. Effective for the Authority's fiscal year ended December 31, 2022, revenues related to the lease of cell towers is recorded as lease revenue and included with other income, rather than as cell tower revenue. Additionally, in 2022 the Authority received \$14,000 in pretreatment fines.
5. Starting in 2016, the Authority began collecting Fats, Oils, and Grease (FOG) revenue. The Authority processes unwanted FOG from outside customers in the Authority's treatment process. This was a new revenue stream for the Authority. This process was halted at the end of FY17 as it caused an imbalance in the digester, resulting in a foul odor which disturbed neighboring subdivisions. The Authority resumed receiving FOG in 2018, however at a much reduced rate. The Authority increased its FOG treatment in 2019 and 2020 at a measured pace and by 2021 had significantly increased its ability to take in additional FOG, resulting in increased revenues. This trend continued into 2022, which saw an additional 22% increase in these revenues.
6. Interest rates rebounded during 2022. For example, the Illinois Funds, a local government investment pool administered by the State Treasurer, paid an average interest rate for the month of December 2021 of 0.056%. By December 2022, the monthly average interest rate had increased to 3.933%.

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Management's Discussion and Analysis

December 31, 2022

### Authority's Financial Analysis - Continued

#### *Expenses*

#### Operating Fund Expenses

A comparison of Operating Fund expenses for FY 2022 compared to the previous two years is shown in the table below:

	FY 2020	FY 2021	FY 2022	2022 Percent of Total	\$ Change from 2021 to 2022	% Change from 2021 to 2022
Personnel Services (1)	\$ 1,738,147	\$ 1,680,985	\$ 1,648,880	37.94%	\$ (32,105)	(1.91%)
IMRF Pension Expense/ (Revenue) (2)	(228,113)	(360,627)	142,713	3.28%	503,340	(139.57%)
Contractual Services						
Maintenance (3)	446,436	696,102	496,329	11.42%	(199,773)	(28.70%)
Service Charge	134,228	137,316	139,238	3.20%	1,922	1.40%
Sludge Removal	217,405	225,574	222,029	5.11%	(3,545)	(1.57%)
Utilities (4)	618,717	610,330	482,279	11.10%	(128,051)	(20.98%)
Insurance	397,787	406,833	372,044	8.56%	(34,789)	(8.55%)
Other	184,036	180,803	214,588	4.94%	33,785	18.69%
Commodities	511,190	478,284	628,446	14.45%	150,162	31.40%
Totals	4,019,833	4,055,600	4,346,546	100.00%	290,946	

1. Personnel services include salaries for 17 full-time and 6 part-time/seasonal staff positions, overtime, Social Security and Medicare employer costs, and required retirement contributions to the Illinois Municipal Retirement Fund (IMRF) for full-time employees. Costs of employee health plan benefits are reflected in the "Insurance" category.
2. The Authority recognized IMRF pension revenue of \$360,627 in 2021. In 2022, the Authority recognized pension expense of \$142,713, an increase of \$503,340. This is due to a negative change in the investment market when comparing 2021 to 2022, particularly in the equity markets. This negatively impacts the IMRF pension expense/(revenue).
3. In 2021, the Authority contracted with the manufacturer of its combined heat and power engines to perform a 20,000 usage hour scheduled overhaul of its engines, which did not need to be repeated in 2022. This overhaul resulted in significantly higher maintenance expenses in 2021 as compared to 2020 and 2022.

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Management's Discussion and Analysis

December 31, 2022

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### Authority's Financial Analysis - Continued

#### *Expenses - Continued*

#### Operating Fund Expenses - Continued

4. 2022 saw a continued decrease in utility costs as compared to the prior years. In addition to the Authority's continuing policy to implement energy efficient measures, the Authority began receiving carbon mitigation credits as a result of the Climate and Equitable Jobs Act passed by the State of Illinois. These credits, along with reduced energy demand as a result of the Authority's combined heat and power engines, resulted in significantly lower utility expenses in 2022.

#### Equipment Replacement Fund Expenses

The Authority invested nearly \$2.4 million in the continued replacement and rehabilitation of various capital equipment and plant upgrades during the fiscal year ended December 31, 2022. The major projects completed during the year were the Electric Service Distribution System rehabilitation and the Biosolids Dewatering Improvement Project.

#### *Capital Assets*

A schedule of the Authority's capital asset balances is presented below.

	FY 2020	FY 2021 *	FY 2022
Nondepreciable Capital Assets	\$ 21,842,431	6,466,349	1,579,461
Depreciable/Amortizable Capital Assets	97,271,616	118,337,611	124,970,828
Less: Accumulated Depreciation/Amortization	(67,297,295)	(69,661,501)	(72,355,241)
Total Net Depreciable Capital Assets	29,974,321	48,676,110	52,615,587
Total Net Capital Assets	51,816,752	55,142,459	54,195,048

\*Does not include restatement amounts

For more detailed information, see Note 3.

## **GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

### **Management's Discussion and Analysis**

**December 31, 2022**

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#### **Authority's Financial Analysis - Continued**

##### ***Long-Term Debt***

A schedule of the Authority's State of Illinois EPA loan and lease payable balances at December 31, 2022 is presented below.

	<u>Amount</u>
Digester Project	\$ 1,534,482
Facility Improvement Project	14,955,109
Biosolids Dewatering Project	2,052,835
Lease Payable - AirGas	<u>58,383</u>
	<u><u>18,600,809</u></u>

For more detailed information, see Note 3.

#### **Contacting the Authority's Financial Management**

This financial report is designed to provide the users of these financial statements an overview of the Authority's operations and finances and to demonstrate accountability for the funds it receives. Questions concerning these financial statements may be directed to the Authority at 945 Bemis Road, Glen Ellyn, IL 60137.

## **BASIC FINANCIAL STATEMENTS**

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Statement of Net Position**

**December 31, 2022**

**(with Comparative Information for December 31, 2021)**

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**See Following Page**

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS****Statement of Net Position****December 31, 2022****(with Comparative Information for December 31, 2021)**

	December 31, 2022	December 31, 2021
<b>ASSETS</b>		
Current Assets		
Restricted Cash and Investments		
Working Cash Account	\$ 1,495,044	1,388,273
Equipment Replacement Account	5,881,105	4,843,622
Receivables - Net of Allowances		
Accounts	134,775	48,133
Member Contributions - Village of Glen Ellyn	6,558	—
Member Contributions - Village of Lombard	—	4,059
IEPA Loans	—	300,040
Leases Receivable	565,712	—
Prepays	116,504	113,172
Inventories	98,390	41,322
Total Current Assets	8,298,088	6,738,621
Noncurrent Assets		
Capital Assets		
Nondepreciable	1,579,461	6,466,349
Depreciable	124,970,828	118,337,611
Accumulated Depreciation	(72,355,241)	(69,661,501)
	54,195,048	55,142,459
Other Assets		
Net Pension Asset - IMRF	—	1,705,348
Total Noncurrent Assets	54,195,048	56,847,807
Total Assets	62,493,136	63,586,428
<b>DEFERRED OUTFLOWS OF RESOURCES</b>		
Deferred Items - IMRF	839,317	53,318
Total Assets/Deferred Outflows of Resources	63,332,453	63,639,746

The notes to the financial statements are an integral part of this statement.

	December 31, 2022	December 31, 2021
<b>LIABILITIES</b>		
Current Liabilities		
Accounts Payable	\$ 191,872	946,199
Accrued Payroll	80,112	51,382
Accrued Interest Payable	81,165	82,888
Unearned Rental Revenue	26,942	25,906
Member Accounts Payable - Village of Glen Ellyn	141,352	77,244
Member Accounts Payable - Village of Lombard	241,159	82,267
Current Portion of Long-Term Debt	1,510,434	1,371,167
Total Current Liabilities	2,273,036	2,637,053
Noncurrent Liabilities		
Compensated Absences Payable	134,588	137,071
Net Pension Liability - IMRF	471,827	—
Lease Payable	41,910	—
Digester Loan Payable	932,101	1,534,482
Facility Improvement Loan Payable	14,192,639	14,955,109
Biosolids Dewatering Loan Payable	1,957,372	652,653
Total Noncurrent Liabilities	17,730,437	17,279,315
Total Liabilities	20,003,473	19,916,368
<b>DEFERRED INFLOWS OF RESOURCES</b>		
Deferred Items - IMRF	1,831	1,346,275
Deferred Lease Revenue	390,074	—
Total Deferred Inflows of Resources	391,905	1,346,275
Total Liabilities/Deferred Inflows of Resources	20,395,378	21,262,643
<b>NET POSITION</b>		
Net Investment in Capital Assets	35,594,239	36,663,316
Restricted	7,342,836	5,713,787
Total Net Position	42,937,075	42,377,103

The notes to the financial statements are an integral part of this statement.

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS****Statement of Revenues, Expenses and Changes in Net Position****For the Fiscal Year Ended December 31, 2022****(with Comparative Information for the Fiscal Year Ended December 31, 2021)**

	December 31, 2022	December 31, 2021
Operating Revenues		
Charges for Services	\$ 7,991,500	8,216,689
Operating Expenses		
Personnel Services	1,648,880	1,680,985
IMRF Pension Expense/(Revenue)	142,713	(360,627)
Contractual Services		
Maintenance	496,329	696,102
Service Charge	139,238	137,316
Sludge Removal	222,029	225,574
Utilities	482,279	610,330
Insurance	372,044	406,833
Other	214,588	180,803
Commodities	628,446	478,284
Maintenance of Capital Facilities and Equipment	2,844,944	6,393,681
Less: Capital Outlay	(2,425,906)	(5,749,969)
Depreciation	3,364,022	2,424,262
Total Operating Expenses	8,129,606	7,123,574
Operating Income (Loss)	(138,106)	1,093,115
Nonoperating Revenues (Expenses)		
Surplus Contributions	155,452	353,423
Connection Fees	83,089	84,682
Enernoc Demand Response	26,525	17,757
Leachate Revenues	59,851	118,824
Renewable Energy Credits	33,492	61,511
Fats, Oil & Grease Waste Fees	185,065	151,735
Cell Tower Revenues	—	59,443
Pretreatment Fines	14,000	—
Lease Revenue	42,305	—
Other Income	109,880	31,348
Sale of Capital Assets	(20,614)	—
Investment Income	100,998	11,116
Interest Expense	(325,779)	(390,441)
	464,264	499,398
Change in Net Position	326,158	1,592,513
Net Position - Beginning as Restated	42,610,917	40,784,590
Net Position - Ending	42,937,075	42,377,103

The notes to the financial statements are an integral part of this statement.

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS****Statement of Cash Flows****For the Fiscal Year Ended December 31, 2022****(with Comparative Information for the Fiscal Year Ended December 31, 2021)**

	December 31, 2022	December 31, 2021
Cash Flows from Operating Activities		
Receipts from Customers and Villages	\$ 8,526,317	8,796,571
Payments to Employees	(1,791,593)	(1,320,358)
Payments to Suppliers	(3,050,131)	(4,562,377)
	<u>3,684,593</u>	<u>2,913,836</u>
Cash Flows from Capital and Related Financing Activities		
Purchase of Capital Assets	(2,425,906)	(5,749,969)
Interest Expense	(325,779)	(390,441)
Payment of Principal	(1,360,118)	(1,268,219)
Debt Proceeds	1,470,466	1,533,855
	<u>(2,641,337)</u>	<u>(5,874,774)</u>
Cash Flows from Investing Activities		
Investment Income	<u>100,998</u>	<u>11,116</u>
Net Change in Cash and Cash Equivalents	1,144,254	(2,949,822)
Cash and Cash Equivalents		
Beginning	<u>6,231,895</u>	<u>9,181,717</u>
Ending	<u><u>7,376,149</u></u>	<u><u>6,231,895</u></u>
Reconciliation of Operating Income to Net Cash Provided (Used) by Operating Activities		
Operating Income	(138,106)	1,093,115
Adjustments to Reconcile Operating Income to Net Income to Net Cash		
Provided by (Used in) Operating Activities:		
Depreciation Expense	3,364,022	2,424,262
Other Income	709,659	878,723
Other (Expense) - IMRF	46,732	(488,201)
(Increase) Decrease in Current Assets	(174,842)	(298,841)
Increase (Decrease) in Current Liabilities	<u>(122,872)</u>	<u>(695,222)</u>
Net Cash Provided by Operating Activities	<u><u>3,684,593</u></u>	<u><u>2,913,836</u></u>

The notes to the financial statements are an integral part of this statement.

# **GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

## **Notes to the Financial Statements**

**December 31, 2022**

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### **NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

The Glenbard Wastewater Authority, Glen Ellyn, Illinois, Illinois (the “Authority”) was created and established by an agreement dated November 28, 1977, between the Villages of Lombard, Illinois and Glen Ellyn, Illinois, for the purpose of jointly treating and processing wastewater. This agreement has been amended since inception. The last amendment was April 17, 2014. The wastewater is treated in two plants, known as the Glenbard Wastewater Authority and the Lombard Storm Water Facility.

Construction of the facilities was financed by monies appropriated by the Villages and by grants from the U.S. Environmental Protection Authority. The Village of Glen Ellyn, as the designated lead Authority, maintained the Glenbard Lead Authority Construction Fund, which included all transactions relating to planning, design, and construction of the wastewater treatment facilities. The cost of the facilities, which aggregated \$43,297,682, was contributed to the Authority by the Glenbard Lead Authority Construction Fund.

In accordance with the 1977 agreement, as amended in April 1998 and April 2014, the Village of Glen Ellyn provides certain management services (administration, personnel, payroll, data processing, and accounting services) to the Authority. The Village is reimbursed for such services and, therefore, receives a service charge (overhead fee) pursuant to the agreement.

The government-wide financial statements are prepared in accordance with generally accepted accounting principles (GAAP). The Governmental Accounting Standards Board (GASB) is responsible for establishing GAAP for state and local governments through its pronouncements (Statements and Interpretations). The more significant of the Authority’s accounting policies established in GAAP and used by the Authority are described below.

### **REPORTING ENTITY**

In evaluating how to define the Authority for financial reporting purposes, management has considered all potential component units. Criteria for including a component unit in the Authority’s reporting entity principally consist of the potential component unit’s financial interdependency and accountability to the Authority. Based on those criteria, there are no potential component units to be included in the reporting entity. The Authority itself is not a component unit of another governmental entity, but rather is considered to be a jointly governed organization.

### **BASIS OF PRESENTATION**

In the Statement of Net Position, the Authority’s activities are reported on a full accrual, economic resources basis, which recognizes all long-term assets/deferred outflows and receivables as well as long-term obligations/deferred inflows.

The Authority uses funds to report on its financial position and the results of its operations. Fund accounting is designed to demonstrate legal compliance and to aid financial management by segregating transactions related to certain government functions or activities. A fund is a separate accounting entity with a self-balancing set of accounts.

The Authority utilizes a single proprietary fund. Proprietary funds are used to account for activities similar to those found in the private sector, where the determination of net income is necessary or useful to sound financial administration. Goods or services from such activities are provided to outside parties.

**Notes to the Financial Statements**

**December 31, 2022**

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**NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES - Continued**

**MEASUREMENT FOCUS AND BASIS OF ACCOUNTING**

Measurement focus is a term used to describe “which” transactions are recorded within the various financial statements. Basis of accounting refers to “when” transactions are recorded regardless of the measurement focus applied.

**Measurement Focus**

All proprietary funds utilize an “economic resources” measurement focus. The accounting objectives of this measurement focus are the determination of operating income, changes in net position, financial position, and cash flows. All assets/deferred outflows and liabilities/deferred inflows (whether current or noncurrent) associated with their activities are reported. Proprietary fund equity is classified as net position.

**Basis of Accounting**

The Authority’s basic financial statements are presented using the accrual basis of accounting. Under the accrual basis of accounting, revenues are recognized when earned and expenses are recorded when the liability is incurred or economic asset used.

Proprietary funds distinguish operating revenues and expenses from nonoperating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with a proprietary fund’s principal ongoing operations. The principal operating revenues of the Authority are charges to customers for services. Operating expenses include the cost of services, administrative expenses, and depreciation and amortization on capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

**ASSETS/DEFERRED OUTFLOWS, LIABILITIES/DEFERRED INFLOWS, AND NET POSITION OR EQUITY**

**Cash and Investments**

For the purpose of the Statement of Net Position, the cash and cash equivalents are considered to be cash on hand, demand deposits and short-term investments with original maturities of three months or less from the date of purchase.

Investments are generally reported at fair value. Short-term investments are reported at cost, which approximates fair value. For investments, the Authority categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs. All of the Authority’s investments are in 2a7-like investment pools that are measured at the net asset value per share determined by the pool.

# **GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

## **Notes to the Financial Statements**

**December 31, 2022**

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### **NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES - Continued**

#### **ASSETS/DEFERRED OUTFLOWS, LIABILITIES/DEFERRED INFLOWS, AND NET POSITION OR EQUITY - Continued**

##### **Restricted Cash and Investments**

Please refer to the working cash account and equipment replacement account sections in the Net Position note for details on assets restricted under intergovernmental and grant agreements.

##### **Receivables**

In the government-wide financial statements, receivables consist of all revenues earned at year-end and not yet received. There is no allowance for uncollectible since these amounts are expected to be fully collectible. The Authority reports member contributions as its major receivable.

##### **Prepays/Inventories**

Certain payments to vendors reflect costs applicable to future accounting periods and are recorded as prepaids in both the government-wide and fund financial statements. Prepays/inventories are valued at cost, which approximates market, using the first-in/first-out (FIFO) method.

##### **Capital Assets**

Capital assets purchased or acquired are reported at historical cost or estimated historical cost. For movable property, the Authority's capitalization policy includes all items with a unit cost of \$20,000 or more, depending on asset class, and an estimated useful life that is greater than one year. Renovations to buildings and land improvements that significantly increase the value or extend the useful life of the structure are capitalized. Routine repairs and maintenance are charged to operating expense in the year in which the expense was incurred. Donated capital assets are recorded at estimated acquisition value at the date of donation.

Depreciation has been provided using the straight-line method over the following estimated useful lives of the assets:

Buildings and Improvements	10 - 45 Years
Machinery and Equipment	10 - 15 Years
Vehicles	7 Years
Land Improvements	7 - 20 Years
Sewer Lines	40 - 50 Years
Leased Asset	5 Years

**Notes to the Financial Statements**

**December 31, 2022**

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**NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES - Continued**

**ASSETS/DEFERRED OUTFLOWS, LIABILITIES/DEFERRED INFLOWS, AND NET POSITION OR EQUITY - Continued**

**Deferred Outflows/Inflows of Resources**

Deferred outflow/inflow of resources represents a consumption/acquisition of net assets that applies to a future period and therefore will not be recognized as an outflow of resources (expense)/inflow of resources (revenue) until that future time.

**Compensated Absences**

The Authority grants a specific number of annual leave hours bi-weekly with pay to its employees. Earned annual leave and compensatory time may be accumulated and is payable to the employee upon termination of employment and, therefore, is accrued through year-end. Long-term accumulated sick leave is not reimbursable upon termination of employment and, therefore, is not accrued.

**Long-Term Obligations**

In the financial statements long-term debt and other long-term obligations are reported as liabilities in the Statement of Net Position. Loan premiums and discounts are deferred and amortized over the life of the bonds using the effective interest method. Loans payable are reported net of the applicable loan premium or discount. Loan issuance costs are reported as expenses at the time of issuance.

**Net Position**

In the government-wide financial statements, equity is classified as net position and displayed in three components:

Net Investment in Capital Assets - Consists of capital assets, including restricted capital assets, net of accumulated depreciation, and reduced by the outstanding balances of any bonds, mortgages, notes or other borrowings that are attributable to the acquisition, construction, or improvement of those assets.

Restricted - Consists of net position with constraints placed on the use either by (1) external groups such as creditors, grantors, contributors, or laws or regulations of other governments; or (2) law through constitutional provisions or enabling legislation.

Unrestricted - All other net position balances that do not meet the definition of "restricted" or "net investment in capital assets."

The Authority considers restricted amounts to have been spent when an expenditure is incurred for purposes for which both restricted and unrestricted fund position is available.

# **GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

## **Notes to the Financial Statements**

**December 31, 2022**

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### **NOTE 2 - STEWARDSHIP, COMPLIANCE AND ACCOUNTABILITY**

#### **BUDGETARY INFORMATION**

Budgeted amounts used for comparison in this report are obtained from the operating budget of the Authority, approved by Glenbard Wastewater Authority Board of Directors, which is prepared in accordance with generally accepted accounting principles, except that depreciation expense is not part of the operating budget, and note principal payments are budgeted as expenses. The budget amounts included in the supplemental information are from the final adopted budget, including all amendments, which were not significant. The budget lapses at the end of the fiscal year.

### **NOTE 3 - DETAIL NOTES ON ALL FUNDS**

#### **DEPOSITS AND INVESTMENTS**

Permitted Deposits and Investments - Statutes authorize the Authority to make deposits/invest in commercial banks, savings and loan institutions, obligations of the U.S. Treasury and U.S. Agencies, obligations of States and their political subdivisions, credit union shares, repurchase agreements, commercial paper rated within the three highest classifications by at least two standard rating services, and the Illinois Funds and Illinois Metropolitan Investment Fund investment pools.

Illinois Funds is an investment pool management by the Illinois Public Treasurer's Office, which allows governments within the state to pool their funds for investment purposes. Illinois Funds is not registered with the SEC as an investment company. Investments in Illinois Funds are valued at the share price, the price for which the investment could be sold.

The Illinois Metropolitan Investment Fund (IMET) is a non-for-profit investment trust formed pursuant to the Illinois Municipal Code. IMET is managed by a Board of Trustees elected from the participating members. IMET is not registered with the SEC as an Investment Company. Investments in IMET are valued at the share price, the price for which the investment could be sold.

#### **Interest Rate Risk, Credit Risk, Concentration of Credit Risk, and Custodial Credit Risk**

*Deposits.* At year-end, the carrying amount of the Authority's deposits totaled \$2,551,239 and the bank balances totaled \$2,862,695. The Authority also has \$2,431,078 invested in the Illinois Funds and \$2,393,832 in IMET at year end.

*Interest Rate Risk.* Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. The Authority's investment policy states they will attempt to match its investments with anticipated cash flows requirements. Unless matched to a specific cash flow, the Authority will not directly invest in securities maturing more than five years from the date of purchase. Any investment purchased with a maturity longer than four years must be supported with written documentation explaining the reason for the purchase and must be supported with written documentation explaining the reason for the purchase and must be specifically approved by the Authority Board. The Authority's investments in the Illinois Funds and IMET have an average maturity of less than one year.

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Notes to the Financial Statements

December 31, 2022

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### NOTE 3 - DETAIL NOTES ON ALL FUNDS - Continued

#### DEPOSITS AND INVESTMENTS - Continued

##### Interest Rate Risk, Credit Risk, Concentration of Credit Risk, and Custodial Credit Risk - Continued

*Credit Risk.* Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The Authority may invest in any type of security authorized by the State of Illinois Public Funds Investment Act (30 ILCS 235/) regarding the investment of public funds. The Authority's investments in the Illinois Funds is rated AAAM by Standard & Poor's and the Authority's investment in IMET is rated AAAF by Standard & Poor's.

*Concentration of Credit Risk.* This is the risk of loss attributed to the magnitude of the Authority's investment in a single issuer. At year-end, the Authority does not have any investments over 5 percent of the total cash and investment portfolio (other than investments issued or explicitly guaranteed by the U.S. government and investments in mutual funds, external investment pools, and other pooled investments).

*Custodial Credit Risk.* In the case of deposits, this is the risk that in the event of a bank failure, the Authority's deposits may not be returned to it. The Authority's policy requires that funds on deposit in excess of FDIC limits be secured by some form of collateral. The Authority will accept government securities, obligations of federal agencies, obligations of federal instrumentalities, and obligations of the State of Illinois. At year end, the entire bank balance was covered by collateral, federal depository or equivalent insurance.

For an investment, this is the risk that, in the event of the failure of the counterparty, the Authority will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. At December 31, 2022, the Authority's investment in the Illinois Funds and IMET funds are not subject to custodial credit risk.

#### CONSTRUCTION COMMITMENTS

The Authority has entered into contracts for the construction or renovation of various facilities as follows:

Project	Expended to Date	Remaining Commitment
Fire Monitoring Systems Upgrade	\$ 85,000	105,500
Primary Clarifier Rehabilitation	221,879	21,221
Interceptor Rehabilitation	112,798	119,202
	<u>419,677</u>	<u>245,923</u>

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Notes to the Financial Statements**

**December 31, 2022**

**NOTE 3 - DETAIL NOTES ON ALL FUNDS - Continued**

**CAPITAL ASSETS**

The following is a summary of capital asset activity for the year:

	Beginning Balances as Restated	Increases	Decreases	Ending Balances
<b>Nondepreciable Capital Assets</b>				
Land	\$ 943,212	38,651	—	981,863
Property Easement	168,607	—	—	168,607
Construction in Progress	6,047,047	2,355,487	7,973,543	428,991
	<u>7,158,866</u>	<u>2,394,138</u>	<u>7,973,543</u>	<u>1,579,461</u>
<b>Depreciable/Amortizable Capital Assets</b>				
Building and Improvements	59,925,387	2,754,120	21,221	62,658,286
Machinery and Equipment	39,957,466	5,180,772	669,675	44,468,563
Vehicles	402,800	—	—	402,800
Land Improvements	17,370,760	—	—	17,370,760
Leased Asset - AirGas	—	70,419	—	70,419
	<u>117,656,413</u>	<u>8,005,311</u>	<u>690,896</u>	<u>124,970,828</u>
<b>Less Accumulated Depreciation/Amortization</b>				
Building and Improvements	24,307,599	1,986,438	11,021	26,283,016
Machinery and Equipment	29,469,981	873,296	659,261	29,684,016
Vehicles	276,960	24,029	—	300,989
Land Improvements	15,606,961	469,693	—	16,076,654
Leased Asset - AirGas	—	10,566	—	10,566
	<u>69,661,501</u>	<u>3,364,022</u>	<u>670,282</u>	<u>72,355,241</u>
<b>Total Net Depreciable Capital Assets</b>	<u>47,994,912</u>	<u>4,641,289</u>	<u>20,614</u>	<u>52,615,587</u>
<b>Total Net Capital Assets</b>	<u>55,153,778</u>	<u>7,035,427</u>	<u>7,994,157</u>	<u>54,195,048</u>

Depreciation was allocated to the members as follows:

Village of Lombard	\$ 1,837,244
Village of Glen Ellyn	<u>1,526,778</u>
	<u>3,364,022</u>

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Notes to the Financial Statements**

**December 31, 2022**

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**NOTE 3 - DETAIL NOTES ON ALL FUNDS - Continued**

**LEASES RECEIVABLE**

The Authority is a lessor on the following leases at year end:

Lease	Term	Start Date	Payments	Interest Range
AT&T	20 years	June 1, 2012	Varies per year	4.00%
Verizon	16 years	June 1, 2016	Varies per year	4.00%

During the fiscal year, the Authority recognized \$42,305 of lease revenue.

The future minimum lease assets and the net present value of these minimum lease receipts as of year-end, are as follows:

Fiscal Year Ending	Principal	Interest
2023	\$ 42,743	22,628
2024	47,067	20,919
2025	51,670	19,036
2026	56,564	16,969
2027	61,768	14,707
2028	67,298	12,236
2029	73,172	9,544
2030	79,407	6,617
2031	86,023	3,441
	<u>565,712</u>	<u>126,097</u>

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS****Notes to the Financial Statements****December 31, 2022****NOTE 3 - DETAIL NOTES ON ALL FUNDS - Continued****LONG-TERM DEBT****Loans Payable**

The Authority has entered into loan agreements to provide low interest financing for capital improvements. Loans currently outstanding are as follows:

Issue	Beginning Balances as Restated	Issuances	Retirements	Ending Balances (a)
Anaerobic Digester Loan Payable dated October 10, 2007, due in annual installments of \$637,002, including interest at 2.500%, through July 31, 2024.	\$ 2,122,081	—	587,599	1,534,482
Facility Improvement Project Loan Payable dated September 23, 2016, due in annual installments of \$425,208, including interest at 1.750%, through October 10, 2039.	15,704,409	—	749,300	14,955,109
Biosolids Dewatering Project Loan Payable dated March 19, 2021, due in semi-annual installments, including interest at 1.35%, through February 12, 2042.	663,971	1,400,047	11,183	2,052,835
	18,490,461	1,400,047	1,348,082	18,542,426

(a) Includes construction interest.

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS****Notes to the Financial Statements****December 31, 2022****NOTE 3 - DETAIL NOTES ON ALL FUNDS - Continued****LONG-TERM DEBT - Continued****Lease Payable**

The Authority has the following lease outstanding at year end:

Lease	Term Length	Start Date	Payments	Interest Rate
2022 AirGas	60 Months	April 15, 2022	\$1,500 Monthly	3.00%

The future minimum lease payments and the net present value of these minimum lease payments are as follows:

Fiscal Year	Principal	Interest	Total Lease Payment
2023	\$ 16,473	1,527	18,000
2024	16,974	1,026	18,000
2025	17,493	509	18,002
2026	7,443	56	7,499
Totals	58,383	3,118	61,501

**Long-Term Liability Activity**

Changes in long-term liabilities during the fiscal year were as follows:

Type of Debt	Beginning Balances as Restated	Additions	Deductions	Ending Balances	Amounts Due within One Year
Compensated Absences	\$ 171,340	3,105	6,210	168,235	33,647
Net Pension Liability/(Asset) - IMRF	(1,705,348)	2,177,175	—	471,827	—
Loans Payable	18,490,461	1,400,047	1,348,082	18,542,426	1,460,314
Lease Payable	—	70,419	12,036	58,383	16,473
	16,956,453	3,650,746	1,366,328	19,240,871	1,510,434

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Notes to the Financial Statements**

**December 31, 2022**

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**NOTE 3 - DETAIL NOTES ON ALL FUNDS - Continued**

**LONG-TERM DEBT - Continued**

**Debt Service Requirements to Maturity**

The annual debt service requirements to maturity, including principal and interest, are as follows:

Fiscal Year	Loans Payable	
	Principal	Interest
2023	\$ 1,460,314	329,406
2024	1,490,161	290,559
2025	1,202,142	260,075
2026	902,780	240,938
2027	918,248	225,470
2028	933,981	209,737
2029	949,985	193,733
2030	966,267	177,452
2031	982,827	160,891
2032	999,672	144,044
2033	1,016,810	126,909
2034	1,034,241	109,477
2035	1,051,973	91,745
2036	1,070,011	73,707
2037	1,088,360	55,358
2038	1,107,026	36,694
2039	1,126,010	17,706
2040	119,996	2,858
2041	121,622	1,236
Totals	18,542,426	2,747,995

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Notes to the Financial Statements December 31, 2022

### NOTE 3 - DETAIL NOTES ON ALL FUNDS - Continued

#### NET POSITION

##### Net Position Classification

Net position consists of the following as of December 31, 2022 and December 31, 2021:

	<u>December 31, 2022</u>	<u>December 31, 2021</u>
Net Position		
Net Investment in Capital Assets	\$ 35,594,239	36,663,316
Equipment Replacement Account (Restricted)	6,043,570	4,467,894
Working Cash Account (Restricted)	<u>1,299,266</u>	<u>1,245,893</u>
Total Net Position	<u>42,937,075</u>	<u>42,377,103</u>

Net investment in capital assets was comprised of the following as of December 31, 2022 and December 31, 2021:

	<u>December 31, 2022</u>	<u>December 31, 2021</u>
Business-Type Activities		
Capital Assets - Net of Accumulated Depreciation	\$ 54,195,048	55,142,459
Less Capital Related Debt:		
Loans Payable	<u>(18,600,809)</u>	<u>(18,479,143)</u>
Net Investment in Capital Assets	<u>35,594,239</u>	<u>36,663,316</u>

##### Net Position Restatement

Beginning balances for capital assets were restated by (\$11,319) and long-term debt were restated by \$11,319 to correct an error in the recording of construction interest for an IEPA loan payable. There is no net effect to net position. In addition, beginning net position was restated due to the implementation of GASB Statement No. 87 and a correction in MICA receivables. The following is a summary of the net position as originally reported and as restated:

Net Position	As Reported	As Restated	Increase
Business-Type Activities	\$ 42,377,103	42,610,917	233,814
Operating Sub-Fund	1,245,893	1,308,729	62,836
Equipment Replacement	41,131,210	41,302,188	170,978

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Notes to the Financial Statements

December 31, 2022

### NOTE 3 - DETAIL NOTES ON ALL FUNDS - Continued

#### NET POSITION - Continued

##### Equipment Replacement Fund

The equipment replacement account is required under the grant agreement from the U.S. Environmental Protection Agency and represents accumulated funds held for plan and equipment replacement. The activities for the years ended December 31, 2022 and December 31, 2021 are as follows:

	December 31, 2022	December 31, 2021
Beginning Balance as Restated	\$ 41,302,188	40,026,898
Revenue and Expense Results within		
Equipment Replacement Sub-Fund	(258,595)	(508,853)
Surplus Contributions	155,452	353,423
Investment Income	88,551	6,543
Service Fees Charged to Villages	3,714,235	3,677,461
Depreciation	(3,364,022)	(2,424,262)
	41,637,809	41,131,210
Less: Net Investment in Capital Assets	(35,594,239)	(36,663,316)
Restricted for Future Plant and Equipment Replacement	6,043,570	4,467,894

##### Working Cash Account

The agreement dated November 28, 1977 and all amended agreements as of March 31, 1987 between the Villages were amended as of April 16, 1998. The purpose of the amendment was to provide the Authority the ability to maintain a working cash account as of the end of the fiscal year at a level not less than 25% of the annual operating and maintenance expenses exclusive of depreciation and equipment replacement. Working cash is calculated as the total general ledger cash and short-term investment balances less all current and prior open encumbrances (Operating Sub-Fund only). In the event the working cash balance at the end of the fiscal year is less than 25% of the annual operating expenses exclusive of depreciation and equipment replacement, each of the Villages will contribute an amount sufficient to adjust the working cash balance to the minimum amount required. The required contribution by the Villages is based upon their proportionate share of total operating expenses for the year. No additional funding is required by the Villages in the event the minimum 25% of operating expense working cash requirement is satisfied as of the end of the fiscal year. Additionally, the amendment also was designed to modify the payment process with the Villages. The following is the calculation of the working cash account required:

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS****Notes to the Financial Statements****December 31, 2022****NOTE 3 - DETAIL NOTES ON ALL FUNDS - Continued****NET POSITION - Continued****Working Cash Account - Continued**

	Village of Lombard	Village of Glen Ellyn	December 31, 2022	December 31, 2021
Operating Expenses (as Defined in Intergovernmental Agreement)	\$ 2,546,742	1,753,073	4,299,815	4,543,801
Minimum Working Capital Balance (25% of Operating Expenses)	636,685	438,268	1,074,954	1,135,950
Cash and Investments - Operating Sub-Fund			1,495,044	1,388,273
Less: Outstanding Encumbrances			(2,933)	—
Working Cash			1,492,111	1,388,273
Less: Required Working Cash			(1,074,954)	(1,135,950)
Working Cash over Minimum Requirement			417,157	252,323

**Working cash balance computation:**

	Village of Lombard	Village of Glen Ellyn	Totals
Amount Required	\$ (636,685)	(438,268)	(1,074,953)
Amount Available	607,284	884,826	1,492,110
Cash Reserve Excess	(29,401)	446,558	417,157

**NOTE 4 - OTHER INFORMATION****RISK MANAGEMENT**

The Authority is exposed to various risks of loss related to torts; theft of, damage to and destruction of assets; errors and omissions; natural disasters; and injuries to the Authority's employees. These risks are covered by commercial insurance. There has been no significant reduction in coverage in any program from coverage in the prior year. For all programs, settlement amounts have not exceeded insurance coverage for the past three years.

**Notes to the Financial Statements**

**December 31, 2022**

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**NOTE 4 - OTHER INFORMATION - Continued**

**RISK MANAGEMENT - Continued**

**Municipal Insurance Cooperative Association**

Effective January 1, 2003, the Authority joined together with other local governments in Illinois in the Municipal Insurance Cooperative Association (MICA). MICA is a public entity risk pool operating a common risk management and insurance program for its member governments. The Authority pays an annual premium to MICA based upon the Authority's prior experience within the pool. Amounts paid into the pool in excess of claims for any coverage year may be rebated back to members in subsequent periods. The Authority is not aware of any additional premiums owed to MICA for the current or prior year claims. The Authority pays the first \$5,000 for property, liability and crime claims. MICA maintains selective reinsurance contracts to cover potential claims to the total loss aggregate for all members of \$11,750,000. MICA also purchases excess coverage of \$400,000,000 for property liability and \$9,000,000 for other liability.

**Intergovernmental Personnel Benefit Cooperative (IPBC)**

Risks for medical and death benefits for employees and retirees are provided for through the Authority's participation in the Intergovernmental Personnel Benefit Cooperative (IPBC) (through the Village of Glen Ellyn). IPBC acts as an administrative agency to receive, process and pay such claims as may come within the benefit program of each member. IPBC maintains specific reinsurance coverage for claims in excess of \$50,000 per individual employee participant. The Authority pays premiums to IPBC based upon current employee participation and its prior experience factor with the pool. Current year overages or underages for participation in the pool are adjusted into subsequent years' experience factor for premiums.

**CONTINGENT LIABILITIES**

**Litigation**

The Authority does not have any pending or threatened litigation, claims or assessments as of the opinion date.

**EMPLOYEE RETIREMENT SYSTEM - DEFINED BENEFIT PENSION PLAN**

**Illinois Municipal Retirement Fund (IMRF)**

The Authority contributes to the Illinois Municipal Retirement Fund (IMRF), through the Village of Glen Ellyn's, a defined benefit agent multiple-employer public employee retirement system that acts as a common investment and administrative agent for local governments and school districts in Illinois. IMRF provides retirement, disability, annual cost-of-living adjustments and death benefits to plan members and beneficiaries. IMRF issues a publicly available financial report that includes financial statements and required supplementary information for the plan as a whole, but not by individual employer. That report may be obtained online at [www.imrf.org](http://www.imrf.org). The benefits, benefit levels, employee contributions, and employer contributions are governed by Illinois Compiled Statutes (ILCS) and can only be amended by the Illinois General Assembly.

**Plan Descriptions**

*Plan Administration.* All employees hired in positions that meet or exceed the prescribed annual hourly standard must be enrolled in IMRF as participating members. The plan is accounted for on the economic resources measurement focus and the accrual basis of accounting. Employer and employee contributions are recognized when earned in the year that the contributions are required, benefits and refunds are recognized as an expense and liability when due and payable.

Notes to the Financial Statements

December 31, 2022

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NOTE 4 - OTHER INFORMATION - Continued

EMPLOYEE RETIREMENT SYSTEM - DEFINED BENEFIT PENSION PLAN - Continued

Illinois Municipal Retirement Fund (IMRF) - Continued

Plan Descriptions - Continued

*Benefits Provided.* IMRF has three benefit plans. The vast majority of IMRF members participate in the Regular Plan (RP). The Sheriff's Law Enforcement Personnel (SLEP) plan is for sheriffs, deputy sheriffs, and selected police chiefs. Counties could adopt the Elected County Official (ECO) plan for officials elected prior to August 8, 2011 (the ECO plan was closed to new participants after that date).

*Benefits Provided - Continued.* IMRF provides two tiers of pension benefits. Employees hired *before* January 1, 2011, are eligible for Tier 1 benefits. Tier 1 employees are vested for pension benefits when they have at least eight years of qualifying service credit. Tier 1 employees who retire at age 55 (at reduced benefits) or after age 60 (at full benefits) with eight years of service are entitled to an annual retirement benefit, payable monthly for life, in an amount equal to 1-2/3% of the final rate of earnings for the first 15 years of service credit, plus 2% for each year of service credit after 15 years to a maximum of 75% of their final rate of earnings. Final rate of earnings is the highest total earnings during any consecutive 48 months within the last 10 years of service, divided by 48. Under Tier 1, the pension is increased by 3% of the original amount on January 1 every year after retirement.

Employees hired *on or after* January 1, 2011, are eligible for Tier 2 benefits. For Tier 2 employees, pension benefits vest after ten years of service. Participating employees who retire at age 62 (at reduced benefits) or after age 67 (at full benefits) with ten years of service are entitled to an annual retirement benefit, payable monthly for life, in an amount equal to 1-2/3% of the final rate of earnings for the first 15 years of service credit, plus 2% for each year of service credit after 15 years to a maximum of 75% of their final rate of earnings. Final rate of earnings is the highest total earnings during any 96 consecutive months within the last 10 years of service, divided by 96. Under Tier 2, the pension is increased on January 1 every year after retirement, upon reaching age 67, by the *lesser* of:

- 3% of the original pension amount, or
- 1/2 of the increase in the Consumer Price Index of the original pension amount.

*Plan Membership.* As of December 31, 2022, the measurement date, the following employees were covered by the benefit terms:

Active Plan Members	<u>18</u>
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A detailed breakdown of IMRF membership for the Village, Library, and the Authority combined is available in the Village of Glen Ellyn's annual comprehensive financial report.

*Contributions.* As set by statute, the Authority's Regular Plan Members are required to contribute 4.50% of their annual covered salary. The statute requires employers to contribute the amount necessary, in addition to member contributions, to finance the retirement coverage of its own employees. For the year-ended December 31, 2022, the Authority's contribution was 6.81% of covered payroll.

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Notes to the Financial Statements

December 31, 2022

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### NOTE 4 - OTHER INFORMATION - Continued

#### EMPLOYEE RETIREMENT SYSTEM - DEFINED BENEFIT PENSION PLAN - Continued

##### Illinois Municipal Retirement Fund (IMRF) - Continued

##### Plan Descriptions - Continued

*Net Pension Liability/(Asset).* The Authority's net pension liability/(asset) was measured as of December 31, 2022. The total pension liability used to calculate the net pension liability/(asset) was determined by an actuarial valuation as of that date.

*Actuarial Assumptions.* The total pension liability was determined by an actuarial valuation performed, as of December 31, 2022, using the following actuarial methods and assumptions:

Actuarial Cost Method	Entry Age Normal
Asset Valuation Method	Fair Value
Actuarial Assumptions	
Interest Rate	7.25%
Salary Increases	2.85% to 13.75%
Cost of Living Adjustments	2.75%
Inflation	2.25%

For nondisabled retirees, the Pub-2010, Amount-Weighted, below-median income, General, Retiree, Male (adjusted 106%) and Female (adjusted 105%) tables, and future mortality improvements projected using scale MP-2020. For disabled retirees, the Pub-2010, Amount-Weighted, below-median income, General, Disabled Retiree, Male and Female (both unadjusted) tables, and future mortality improvements projected using scale MP-2020. For active members, the Pub-2010, Amount-Weighted, below-median income, General, Employee, Male and Female (both unadjusted) tables, and future mortality improvements projected using scale MP-2020.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense, and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return to the target asset allocation percentage and adding expected inflation. The target allocation and best estimates of geometric real rates of return for each major asset class are summarized in the following table:

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Notes to the Financial Statements

December 31, 2022

### NOTE 4 - OTHER INFORMATION - Continued

#### EMPLOYEE RETIREMENT SYSTEM - DEFINED BENEFIT PENSION PLAN - Continued

##### Illinois Municipal Retirement Fund (IMRF) - Continued

##### Plan Descriptions - Continued

*Actuarial Assumptions - Continued.*

Asset Class	Target	Long-Term Expected Real Rate of Return
Fixed Income	25.50%	4.90%
Domestic Equities	35.50%	6.50%
International Equities	18.00%	7.60%
Real Estate	10.50%	6.20%
Blended	9.50%	6.25% - 9.90%
Cash and Cash Equivalents	1.00%	4.00%

##### Discount Rate

The discount rate used to measure the total pension liability was 7.25%, the same as the prior valuation. The projection of cash flows used to determine the discount rate assumed that member contributions will be made at the current contribution rate and that Authority contributions will be made at rates equal to the difference between the actuarially determined contribution rates and the member rate. Based on those assumptions, the Fund's fiduciary net position was projected to be available to make all project future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all period of projected benefit payments to determine the total pension liability.

##### Discount Rate Sensitivity

The following is a sensitivity analysis of the net pension liability/(asset) to changes in the discount rate. The table below presents the net pension liability/(asset) of the Authority calculated using the discount rate as well as what the Authority's net pension liability/(asset) would be if it were calculated using a discount rate that is one percentage point lower or one percentage point higher than the current rate:

	1% Decrease (6.25%)	Current Discount Rate (7.25%)	1% Increase (8.25%)
Net Pension Liability/(Asset)	\$ 1,496,173	471,827	(357,011)

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Notes to the Financial Statements**

**December 31, 2022**

**NOTE 4 - OTHER INFORMATION - Continued**

**EMPLOYEE RETIREMENT SYSTEM - DEFINED BENEFIT PENSION PLAN - Continued**

**Illinois Municipal Retirement Fund (IMRF) - Continued**

**Changes in the Net Pension Liability/(Asset)**

	Total Pension Liability (A)	Plan Fiduciary Net Position (B)	Net Pension Liability/(Asset) (A) - (B)
Balances at December 31, 2021	\$ 10,512,641	12,217,989	(1,705,348)
Changes for the Year:			
Service Cost	123,045	—	123,045
Interest on the Total Pension Liability	775,898	—	775,898
Changes of Benefit Terms	—	—	—
Difference Between Expected and Actual Experience of the Total Pension Liability	169,766	—	169,766
Changes of Assumptions	—	—	—
Contributions - Employer	—	96,606	(96,606)
Contributions - Employees	—	63,546	(63,546)
Net Investment Income	—	(1,327,637)	1,327,637
Benefit Payments, Including Refunds of Employee Contributions	(526,457)	(526,457)	—
Other (Net Transfer)	—	59,019	(59,019)
Net Changes	542,252	(1,634,923)	2,177,175
Balances at December 31, 2022	11,054,893	10,583,066	471,827

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS****Notes to the Financial Statements****December 31, 2022****NOTE 4 - OTHER INFORMATION - Continued****EMPLOYEE RETIREMENT SYSTEM - DEFINED BENEFIT PENSION PLAN - Continued****Pension Expense/(Revenue), Deferred Outflows of Resources, and Deferred Inflows of Resources Related to Pensions**

For the year ended December 31, 2022, the Authority recognized pension expense of \$142,713. At December 31, 2022, the Authority reported deferred outflows or resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources	Totals
Difference Between Expected and Actual Experience \$	125,779	—	125,779
Change in Assumptions	—	(1,831)	(1,831)
Net Difference Between Projected and Actual Earnings on Pension Plan Investments	713,538	—	713,538
Total Deferred Amounts Related to IMRF	839,317	(1,831)	837,486

Amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense/(revenue) in future periods as follows:

Fiscal Year	Net Deferred Outflows of Resources
2023	\$ 21,122
2024	168,027
2025	234,512
2026	413,825
2027	—
Thereafter	—
Total	837,486

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Notes to the Financial Statements**

**December 31, 2022**

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**NOTE 4 - OTHER INFORMATION - Continued**

**OTHER POST-EMPLOYMENT BENEFITS**

The Authority has evaluated its potential other post-employment benefits liability. Former employees who choose to retain their rights to health insurance through the Authority are required to pay 100% of the current premium. However, there is minimal participation. As the Authority provides no explicit benefit, and there is minimal participation, there is no material implicit subsidy to calculate in accordance with GASB Statement No. 75, *Accounting and Financial Reporting for Post-Employment Benefits Other Than Pensions*. Therefore, the Authority has not recorded a liability as of December 31, 2022.

## **REQUIRED SUPPLEMENTARY INFORMATION**

Required supplementary information includes financial information and disclosures that are required by the GASB but are not considered a part of the basic financial statements. Such information includes:

- Schedule Employer Contributions  
Illinois Municipal Retirement Fund
- Schedule of Changes in the Employer's Net Pension Liability/(Asset)  
Illinois Municipal Retirement Fund

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Illinois Municipal Retirement Fund  
Schedule of Employer Contributions  
December 31, 2022**

Fiscal Year	Actuarially Determined Contribution	Contributions in Relation to the Actuarially Determined Contribution	Contribution Excess/ (Deficiency)	Covered Payroll	Contributions as a Percentage of Covered Payroll
2015	\$ 128,318	\$ 128,318	\$ —	\$ 1,186,197	10.82%
2016	140,036	139,480	(556)	1,294,237	10.78%
2017	134,225	135,586	1,361	1,298,110	10.44%
2018	122,310	122,242	(68)	1,236,706	9.88%
2019	97,218	97,218	—	1,359,696	7.15%
2020	129,454	129,454	—	1,335,802	9.69%
2021	127,573	127,573	—	1,430,195	8.92%
2022	96,606	95,981	(625)	1,410,310	6.81%

Notes to the Required Supplementary Information:

Actuarial Cost Method	Entry Age Normal
Amortization Method	Level % Pay (Closed)
Remaining Amortization Period	21 Years
Asset Valuation Method	5-Year Smoothed Fair Value
Inflation	2.25%
Salary Increases	2.85% to 13.75%, Including Inflation
Investment Rate of Return	7.25%
Retirement Age	See the Notes to the Financial Statements
Mortality	For non-disabled retirees, the Pub-2010, Amount-Weighted, below-median income, General, Retiree, Male (adjusted 106%) and Female (adjusted 105%) tables, and future mortality improvements projected using scale MP-2020. For disabled retirees, the Pub-2010, Amount-Weighted, below-median income, General, Disabled Retiree, Male and Female (both unadjusted) tables, and future mortality improvements projected using scale MP-2020. For active members, the Pub-2010, Amount-Weighted, below-median income, General, Employee, Male and Female (both unadjusted) tables, and future mortality improvements projected using scale MP-2020.

Note:

This schedule is intended to show information for ten years. Information for additional years will be displayed as it becomes available.

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Illinois Municipal Retirement Fund**

**Schedule of Changes in the Employer's Net Pension Liability/(Asset)**

**December 31, 2022**

	<u>2015</u>
Total Pension Liability	
Service Cost	\$ 123,338
Interest	605,696
Differences Between Expected and Actual Experience	97,561
Change of Assumptions	9,922
Benefit Payments, Including Refunds of Member Contributions	(399,698)
Net Change in Total Pension Liability	436,819
Total Pension Liability - Beginning	8,214,126
Total Pension Liability - Ending	<u>8,650,945</u>
Plan Fiduciary Net Position	
Contributions - Employer	\$ 128,318
Contributions - Members	54,005
Net Investment Income	39,822
Benefit Payments, Including Refunds of Member Contributions	(399,698)
Other (Net Transfer)	45,862
Net Change in Plan Fiduciary Net Position	(131,691)
Plan Net Position - Beginning	8,073,123
Plan Net Position - Ending	<u>7,941,432</u>
Employer's Net Pension Liability/(Asset)	<u>\$ 709,513</u>
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	91.80%
Covered Payroll	\$ 1,186,197
Employer's Net Pension Liability/(Asset) as a Percentage of Covered Payroll	59.81%

Note: This schedule is intended to show information for ten years. Information for additional years will be displayed as it becomes available.

*Changes of Assumptions.* Changes in assumptions related to the discount rate were made in 2014 through 2018 and 2020. Changes in assumptions related to the demographics were made in 2014 and 2017.

2016	2017	2018	2019	2020	2021	2022
128,961	137,350	114,501	130,468	141,607	134,076	123,045
628,935	615,459	609,697	623,086	631,258	653,292	775,898
(67,729)	(73,414)	51,409	106,951	55,840	—	—
(9,982)	(257,267)	221,936	—	(60,076)	49,887	169,766
(434,992)	(431,868)	(428,162)	(459,666)	(458,906)	(490,955)	(526,457)
245,193	(9,740)	569,381	400,839	309,723	346,300	542,252
8,650,945	8,896,138	8,886,398	9,455,779	9,856,618	10,166,341	10,512,641
8,896,138	8,886,398	9,455,779	9,856,618	10,166,341	10,512,641	11,054,893
139,480	135,586	122,242	97,218	129,454	127,573	96,606
59,117	58,474	64,375	62,987	65,444	75,769	63,546
543,260	1,413,859	(469,664)	1,484,513	1,265,793	1,696,991	(1,327,637)
(434,992)	(431,868)	(428,162)	(459,666)	(458,906)	(490,955)	(526,457)
(20,365)	(220,476)	163,467	(13,052)	16,674	(17,613)	59,019
286,500	955,575	(547,742)	1,172,000	1,018,459	1,391,765	(1,634,923)
7,941,432	8,227,932	9,183,507	8,635,765	9,807,765	10,826,224	12,217,989
8,227,932	9,183,507	8,635,765	9,807,765	10,826,224	12,217,989	10,583,066
668,206	(297,109)	820,014	48,853	(659,883)	(1,705,348)	471,827
92.49%	103.34%	91.33%	99.50%	106.49%	116.22%	95.73%
1,294,237	1,298,110	1,236,706	1,359,696	1,335,802	1,430,193	1,410,310
51.63%	(22.89%)	66.31%	3.59%	(49.40%)	(119.24%)	33.46%

## **OTHER SUPPLEMENTARY INFORMATION**

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Combining Statement of Net Position**

**December 31, 2022**

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**See Following Page**

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Combining Statement of Net Position  
December 31, 2022**

	Operating Sub-Fund	Equipment Maintenance Sub-Fund	Totals
<b>ASSETS</b>			
Current Assets			
Restricted Cash and Investments			
Working Cash Account	\$ 1,495,044	—	1,495,044
Equipment Replacement Account	—	5,881,105	5,881,105
Receivables - Net of Allowances			
Accounts	100,108	34,667	134,775
Member Contributions			
Village of Glen Ellyn	—	6,558	6,558
Leases Receivable	—	565,712	565,712
Prepays	68,356	48,148	116,504
Inventories	—	98,390	98,390
Total Current Assets	1,663,508	6,634,580	8,298,088
Noncurrent Assets			
Capital Assets			
Nondepreciable	—	1,579,461	1,579,461
Depreciable	—	124,970,828	124,970,828
Accumulated Depreciation	—	(72,355,241)	(72,355,241)
Total Noncurrent Assets	—	54,195,048	54,195,048
Total Assets	1,663,508	60,829,628	62,493,136
<b>DEFERRED OUTFLOWS OF RESOURCES</b>			
Deferred Items - IMRF	839,317	—	839,317
Total Assets and Deferred Outflows of Resources	2,502,825	60,829,628	63,332,453

	Operating Sub-Fund	Equipment Maintenance Sub-Fund	Totals
<b>LIABILITIES</b>			
Current Liabilities			
Accounts Payable	\$ 105,601	86,271	191,872
Accrued Payroll	80,112	—	80,112
Accrued Interest Payable	—	81,165	81,165
Unearned Rental Revenue	—	26,942	26,942
Member Accounts Payable			
Village of Glen Ellyn	141,352	—	141,352
Village of Lombard	234,601	6,558	241,159
Current Portion of Long-Term Debt	33,647	1,476,787	1,510,434
Total Current Liabilities	595,313	1,677,723	2,273,036
Noncurrent Liabilities			
Compensated Absences Payable	134,588	—	134,588
Net Pension Liability - IMRF	471,827	—	471,827
Lease Payable	—	41,910	41,910
Digester Loan Payable	—	932,101	932,101
Facility Improvement Loan Payable	—	14,192,639	14,192,639
Biosolids Dewatering Loan Payable	—	1,957,372	1,957,372
Total Noncurrent Liabilities	606,415	17,124,022	17,730,437
Total Liabilities	1,201,728	18,801,745	20,003,473
<b>DEFERRED INFLOWS OF RESOURCES</b>			
Deferred Items - IMRF	1,831	—	1,831
Deferred Lease Revenue	—	390,074	390,074
Total Deferred Inflows of Resources	1,831	390,074	391,905
Total Liabilities and Deferred Inflows of Resources	1,203,559	19,191,819	20,395,378
<b>NET POSITION</b>			
Net Investment in Capital Assets	—	35,594,239	35,594,239
Restricted	1,299,266	6,043,570	7,342,836
Total Net Position	1,299,266	41,637,809	42,937,075

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Combining Statement of Revenues, Expenses, and Changes in Net Position  
For the Fiscal Year Ended December 31, 2022**

	Operating Sub-Fund	Equipment Maintenance Sub-Fund	Totals
Operating Revenues			
Charges for Services	\$ 4,277,265	3,714,235	7,991,500
Operating Expenses			
Personnel Services	1,648,880	—	1,648,880
IMRF Pension Expense/(Revenue)	142,713	—	142,713
Contractual Services			
Maintenance	496,329	—	496,329
Service Charge	139,238	—	139,238
Sludge Removal	222,029	—	222,029
Utilities	482,279	—	482,279
Insurance	372,044	—	372,044
Other	214,588	—	214,588
Commodities	628,446	—	628,446
Maintenance of Capital Facilities and Equipment	—	2,844,944	2,844,944
Less: Capital Outlay	—	(2,425,906)	(2,425,906)
Depreciation	—	3,364,022	3,364,022
Total Operating Expenses	4,346,546	3,783,060	8,129,606
Operating (Loss)	(69,281)	(68,825)	(138,106)
Nonoperating Revenues (Expenses)			
Surplus Contributions	—	155,452	155,452
Connection Fees	—	83,089	83,089
Enernoc Demand Response	—	26,525	26,525
Leachate Revenues	—	59,851	59,851
Renewable Energy Credits	—	33,492	33,492
Fats, Oil and Grease Waste Fees	—	185,065	185,065
Cell Tower Revenues	—	—	—
Pretreatment Fines	—	14,000	14,000
Lease Revenue	—	42,305	42,305
Other Income	47,371	62,509	109,880
Sale of Capital Assets	—	(20,614)	(20,614)
Investment Income	12,447	88,551	100,998
Interest Expense	—	(325,779)	(325,779)
	59,818	404,446	464,264
Change in Net Position	(9,463)	335,621	326,158
Net Position - Beginning as Restated	1,308,729	41,302,188	42,610,917
Net Position - Ending	1,299,266	41,637,809	42,937,075

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Combining Statement of Cash Flows  
For the Fiscal Year Ended December 31, 2022**

	Operating Sub-Fund	Equipment Maintenance Sub-Fund	Totals
Cash Flows from Operating Activities			
Receipts from Customers and Villages	\$ 4,272,834	4,253,483	8,526,317
Payments to Employees	(1,791,593)	—	(1,791,593)
Payments to Suppliers	(2,386,917)	(663,214)	(3,050,131)
	94,324	3,590,269	3,684,593
Cash Flows from Capital and Related Financing Activities			
Purchase of Capital Assets	—	(2,425,906)	(2,425,906)
Interest Expense	—	(325,779)	(325,779)
Payment of Principal	—	(1,360,118)	(1,360,118)
Loan Proceeds	—	1,470,466	1,470,466
	—	(2,641,337)	(2,641,337)
Cash Flows from Investing Activities			
Investment Income	12,447	88,551	100,998
Net Change in Cash and Cash Equivalents	106,771	1,037,483	1,144,254
Cash and Cash Equivalents Beginning	1,388,273	4,843,622	6,231,895
Ending	1,495,044	5,881,105	7,376,149
Reconciliation of Operating Income to Net Cash Provided (Used) by Operating Activities			
Operating Income (Loss)	(69,281)	(68,825)	(138,106)
Adjustments to Reconcile Operating Income to Net Income to Net Cash			
Provided by (Used in) Operating Activities:			
Depreciation Expense	—	3,364,022	3,364,022
Other Income	47,371	662,288	709,659
Other Expense (Revenue) - IMRF	46,732	—	46,732
(Increase) Decrease in Current Assets	(51,802)	(123,040)	(174,842)
Increase (Decrease) in Current Liabilities	121,304	(244,176)	(122,872)
Net Cash Provided by Operating Activities	94,324	3,590,269	3,684,593

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Operating Sub-Fund**

**Statement of Revenues, Expenses and Changes in Net Position - Budget and Actual**

**For the Fiscal Year Ended December 31, 2022**

**(with Comparative Information for the Fiscal Year Ended December 31, 2021)**

	For the Fiscal Year Ended December 31, 2022		
	Budget	Actual	Variance Over (Under)
Operating Revenues			
Charges to Villages	\$ 4,653,218	4,277,265	(375,953)
Operating Expenses			
Personnel Services	1,912,464	1,648,880	(263,584)
IMRF Pension Expense/(Revenue)	—	142,713	142,713
Contractual Services			
Maintenance	584,531	496,329	(88,202)
Service Charge	139,238	139,238	—
Sludge Removal	220,000	222,029	2,029
Utilities	548,600	482,279	(66,321)
Insurance	413,900	372,044	(41,856)
Other	236,685	214,588	(22,097)
Commodities	607,800	628,446	20,646
Total Operating Expenses	4,663,218	4,346,546	(316,672)
Operating Income (Loss)	(10,000)	(69,281)	(59,281)
Nonoperating Revenues			
Other Income	—	47,371	47,371
Investment Income	10,000	12,447	2,447
	10,000	59,818	49,818
Change in Net Position	—	(9,463)	(9,463)
Net Position - Beginning as Restated		1,308,729	
Net Position - Ending		1,299,266	

For the Fiscal Year Ended December 31, 2021			
	Budget	Actual	Variance Over (Under)
\$	4,694,680	4,539,228	(155,452)
	1,827,670	1,680,985	(146,685)
	—	(360,627)	(360,627)
	807,104	696,102	(111,002)
	137,316	137,316	—
	195,000	225,574	30,574
	570,500	610,330	39,830
	418,000	406,833	(11,167)
	229,090	180,803	(48,287)
	520,000	478,284	(41,716)
	4,704,680	4,055,600	(649,080)
	(10,000)	483,628	493,628
	—	—	—
	10,000	4,573	(5,427)
	10,000	4,573	(5,427)
	—	488,201	488,201
		757,692	
		1,245,893	

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Equipment Replacement Sub-Fund**

**Statement of Revenues, Expenses and Changes in Net Position - Budget and Actual**

**For the Fiscal Year Ended December 31, 2022**

**(with Comparative Information for the Fiscal Year Ended December 31, 2021)**

	For the Fiscal Year Ended December 31, 2022		
	Budget	Actual	Variance Over (Under)
Operating Revenues			
Charges to Villages	\$ 3,714,235	3,714,235	—
Operating Expenses			
Maintenance of Capital Facilities and Equipment	5,518,388	2,844,944	(2,673,444)
Less: Capital Outlay	550,000	(2,425,906)	(2,975,906)
Depreciation	—	3,364,022	3,364,022
Total Operating Expenses	6,068,388	3,783,060	(2,285,328)
Operating Income (Loss)	(2,354,153)	(68,825)	2,285,328
Nonoperating Revenues (Expenses)			
Surplus Contributions	50,000	155,452	105,452
Connection Fees	50,000	83,089	33,089
Enernoc Demand Response	26,000	26,525	525
Leachate Revenues	117,000	59,851	(57,149)
Renewable Energy Credits	30,000	33,492	3,492
Fats, Oil & Grease Waste Fees	75,000	185,065	110,065
Cell Tower Revenues	—	—	—
Pretreatment Fines	—	14,000	14,000
Lease Revenue	63,600	42,305	(21,295)
Other Income	1,000	62,509	61,509
Sale of Capital Assets	—	(20,614)	(20,614)
Investment Income	20,000	88,551	68,551
Interest Expense	(462,090)	(325,779)	136,311
Loan Proceeds	2,100,000	1,400,047	(699,953)
Biosolids Loan Principal	—	(11,183)	(11,183)
Digester Loan Principal	(587,599)	(587,599)	—
FIP Loan Principal	(702,042)	(749,300)	(47,258)
Less Items to Statement of Net Position	—	(51,965)	(51,965)
Total Nonoperating Revenues (Expenses)	780,869	404,446	(376,423)
Change in Net Position	(1,573,284)	335,621	1,908,905
Net Position - Beginning as Restated		41,302,188	
Net Position - Ending		41,637,809	

For the Fiscal Year Ended December 31, 2021		
Budget	Actual	Variance Over (Under)
\$ 3,677,460	3,677,461	1
5,473,510	6,393,681	920,171
—	(5,749,969)	(5,749,969)
—	2,424,262	2,424,262
5,473,510	3,067,974	(2,405,536)
(1,796,050)	609,487	2,405,537
—	353,423	353,423
50,000	84,682	34,682
26,000	17,757	(8,243)
117,000	118,824	1,824
75,000	61,511	(13,489)
57,000	151,735	94,735
—	59,443	59,443
—	—	—
1,000	31,348	30,348
—	—	—
—	—	—
20,000	6,543	(13,457)
(747,065)	(390,441)	356,624
1,870,000	1,533,855	(336,145)
—	—	—
(559,115)	(573,180)	(14,065)
(325,552)	(695,039)	(369,487)
—	(265,636)	(265,636)
584,268	494,825	(89,443)
(1,211,782)	1,104,312	2,316,094
	40,026,898	
	41,131,210	

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Schedule of Comparative Flows Used For Allocation of Costs - Last Ten Fiscal Years  
December 31, 2022 (Unaudited)**

Fiscal Year	Glenbard				North Regional Interceptor			
	Glen Ellyn		Lombard		Glen Ellyn		Lombard	
	Gallons (in 000's)	Percent	Gallons (in 000's)	Percent	Gallons (in 000's)	Percent	Gallons (in 000's)	Percent
2014	1,773,595	44.61%	2,201,911	55.39%	759,050	32.07%	1,607,612	67.93%
2014*	1,163,852	45.43%	1,398,187	54.57%	N/A	N/A	N/A	N/A
2015	1,939,993	45.25%	2,347,125	54.75%	N/A	N/A	N/A	N/A
2016	1,890,348	44.39%	2,368,065	55.61%	N/A	N/A	N/A	N/A
2017	1,916,548	42.65%	2,576,590	57.35%	N/A	N/A	N/A	N/A
2018	1,873,111	41.21%	2,672,566	58.79%	N/A	N/A	N/A	N/A
2019	1,835,852	40.59%	2,686,639	59.41%	N/A	N/A	N/A	N/A
2020	1,770,908	40.72%	2,578,333	59.28%	N/A	N/A	N/A	N/A
2021	1,670,839	40.06%	2,499,757	59.94%	N/A	N/A	N/A	N/A
2022	1,673,524	40.77%	2,431,178	59.23%	N/A	N/A	N/A	N/A

\*For the eight months ended December 31, 2014.

N/A - The North Regional Interceptor flows are no longer used in the billing computations in the Schedule of Allocation of Costs.

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Schedule of Allocation Costs

December 31, 2022 (Unaudited)

The agreement between the Villages of Lombard and Glen Ellyn for the purpose of jointly treating and processing wastewater requires certain information to accompany the annual financial statements. This information is from the Operating Sub-Fund. The combined data, including the Equipment Replacement and Working Cash Accounts, is part of the general purpose financial statements. Such required information for the year ended December 31, 2022, not included elsewhere in the accompanying financial statements follows:

### 1. Total Water Flow

Participant	Glenbard Plant	
	Gallons (in 000's)	Percent
Village of Lombard	2,431,178	59.23%
Village of Glen Ellyn	1,673,524	40.77%
	4,104,702	100.00%

### 2. Factors and Amounts Used in Computing Final Billing

A. Operating revenue and expenses, based on wastewater flow, were allocated among the operating facilities for the fiscal year ended December 31, 2022, as follows:

	Operating Fund
Operating Revenue	
Amounts Billed Prior to Billing Adjustments	\$ 4,653,218
Other Revenues	22,550
Adjustment	(375,953)
Operating Revenue Applicable to Operating Expenses	4,299,815
Operating Expenses	
Personnel Services	1,648,880
IMRF Employer Contribution	95,982
Contractual Services	
Maintenance	496,329
Service Charge	139,238
Sludge Removal	222,029
Utilities	482,279
Insurance	372,044
Other	214,588
Commodities	628,446
Total Operating Expenses	4,299,815

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS****Schedule of Allocation Costs - Continued**  
**December 31, 2022 (Unaudited)****2. Factors and Amounts Used in Computing Final Billing - Continued**

B. The allocation of operating expenses based on the wastewater flow of Glenbard Plant follows:

Participant	Amount	Percent
Village of Lombard	\$ 2,546,742	59.23%
Village of Glen Ellyn	1,753,073	40.77%
	<u>4,299,815</u>	<u>100.00%</u>

C. The computation of the billing adjustment for the fiscal year ended December 31, 2022 follows:

	Village of Lombard	Village of Glen Ellyn	Totals
Charges			
Total Operating Expenses (Depreciation Excluded)	\$ 2,546,742	1,753,073	4,299,815
Equipment Replacement Reserve	2,026,714	1,687,521	3,714,235
Total Operating Charges	<u>4,573,456</u>	<u>3,440,594</u>	<u>8,014,050</u>
Amount Billed	4,778,268	3,589,185	8,367,453
Plus: Credit for Other Revenues Received	13,356	9,194	22,550
Revenues Available to Offset			
Operating Changes	<u>4,791,624</u>	<u>3,598,379</u>	<u>8,390,003</u>
Amount Due from (to) Villages	<u>(218,168)</u>	<u>(157,785)</u>	<u>(375,953)</u>

**GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS**

**Schedule of Allocation Costs - Continued**  
**December 31, 2022 (Unaudited)**

2. Factors and Amounts Used in Computing Final Billing - Continued

D. Amounts due from(to) the Village of Lombard and the Village of Glen Ellyn at December 31, 2022 are as follow:

	Village of Lombard	Village of Glen Ellyn	Totals
Amounts Due from (to) Villages			
Billing Adjustment for the Fiscal Year Ended December 31, 2022 (as shown the prior page)	\$ (218,168)	(157,785)	(375,953)
Billing Adjustments:			
July 2022 to December 2022	(22,991)	22,991	—
Cumulative Balance Due from (to) Villages*	(241,159)	(134,794)	(375,953)

\*This balance is the end result of actual expenses compared to actual fiscal flow splits on an accrual basis after any necessary audit adjustments are made.

3. Total Revenue Billed and Received per Authority

Participant	Amount Billed	Receivable (Payable) December 31, 2022	Receivable (Payable) December 31, 2021	Amount Received
Village of Lombard	\$ 4,778,268	(241,159)	78,209	4,615,318
Village of Glen Ellyn	3,589,185	(134,794)	77,243	3,531,634
	8,367,453	(375,953)	155,452	8,146,952

## **SECTION 7.0**

# **RETROACTIVE APPROVAL OF EMERGENCY PURCHASES RELATED TO INTERMEDIATE SCREW PUMPS FAILURE**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

**FROM:** Matt Streicher, P.E., BCEE, Executive Director

**DATE:** June 08, 2023

**RE:** Retroactive Approval of Emergency Purchases related to Screw Pump Failures

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As discussed at the March 2023 EOC meeting, in late February 2023, the gearbox on one of the Authority's three intermediate screw pumps suffered a critical failure. Some of the bearings inside the gearbox seized, causing one of the reducing shafts to shear apart. Per IEPA requirements, the Authority has to maintain redundancy within the intermediate pumps, as this is an essential part of the treatment process. There was enough capacity with one pump out of service, however, there was no redundancy with the third pump out of service. This prompted staff to move forward quickly in purchasing the new parts needed to remedy the situation, as lead times on one of the parts was up to 12 weeks. The cost for the purchase related to this failure were in the amount of \$4,442.03 for new bearings, and the \$6,980 for the new shaft itself. The Authority agreed to pay an extra price for the item to be expedited so it would arrive in at least 9 weeks instead of 12 due to the lack of redundancy at that point in time.

Although the likelihood of an additional screw pump failing was slim, while the East pump was out of service, emergency options were discussed if there were another failure. Amazingly, within a week, the West Screw pump failed due to another shaft shearing, however, this time it was only the shaft coming out of the electric motor. The part that was ordered for this repair was in the amount of \$3,984.20.

Despite moving forward on an emergency basis for purchases, alternative pricing on some of these items was obtained, simply because staff was attempting to evaluate the quickest/most feasible option to move forward with. Alternative pricing did reveal that the Authority's Maintenance staff saved over \$40,000 in costs with the alternate selected. However, staff still moved forward for the most part on an emergency basis without getting competitive pricing for all components due to the criticalness of the process that had been out of service.

Furthermore, since only one of three pumps was functional at the time, and even when the 2<sup>nd</sup> screw pump was able to be back in service, there still existed a lack in redundancy. Therefore, staff moved forward with renting temporary pumps to leave in place until all three pumps were able to be back in service. The rental period for these pumps began on February 28, 2023, and ended May 3, 2023, for a total cost of \$87,413.46. If the rental pumps were to be purchased instead, quotes showed that the total cost would have been upwards of \$300,000. Therefore, renting appeared to be the most viable option.

Due to all of these costs being related to the failure of the intermediate screw pumps, it could be viewed as all related to one single project/repair, and the total amount of \$98,377.66 would require EOC approval.

Therefore, Authority requests the EOC retroactively approve the emergency purchases of new bearings for the East Screw Pump in the amount of \$4,442.03, a new gearbox shaft for the East Screw Pump in the amount of \$6,980, a new motor shaft for the West Screw Pump in the amount of \$3,984.20, and the rental of emergency pumps in the amount of \$87,413.46, totaling \$98,377.66 altogether. These costs were taken out of various budget categories deemed most appropriate, and were all unbudgeted for. It is expected that this unforeseeable failure will have negative impacts on the overall CY2023 operating budget, which will be further determined later in the year during the CY2024 budgeting processed.

## **SECTION 8.0**

# **AUTHORIZATION TO AWARD PLANT RESURFACING CONTRACT**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

**FROM:** Jeremy Henning, Assistant Executive Director

**DATE:** June 8th, 2023

**RE:** **Request for Approval**  
2023 Asphalt Resurfacing & Patching Program - Main Treatment Plant and Lombard CSO Road Resurfacing



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In the previously approved 2020 budget, Authority staff added a “Bemis Road, Administrative Parking Lot Improvements, and Plant Resurfacing” Capital Improvement Project which was originally scheduled for the year 2024. This capital project was moved up to 2023 and had an approved budget amount of \$1.1 million dollars.

As the name suggests, this project is intended to reconstruct/resurface the asphalt areas of Bemis Road, redesign and resurface the Administrative Parking Lot, and resurface the on-premise roads at the primary plant and Lombard CSO facilities. To capitalize on economies of scale, GWA intended to partner with the village of Glen Ellyn’s paving project to reconstruct/resurface all of these areas. Bemis Road is being included as part of the scope of this project as it is likely that the truck traffic to and from the main treatment plant has contributed to accelerated deterioration of the road and as such, GWA will pay for a portion of the resurfacing. The intended paving project of Bemis Road was pushed back to 2024 by the Village of Glen Ellyn, but because of the rapidly deteriorating on-premise roads at the main treatment plant and at the Lombard CSO, it is recommended that the resurfacing of those areas still be done this year.

Historically, the on-premise roads have either been resurfaced in small sections through a year-to-year road maintenance program, or when projects require portions of the roadway to be excavated to access pipes or utilities underneath them. The last 7-10 years have seen a significant amount of rehabilitation for the Authority, and as such there are many different areas that have been patched or resurfaced at different times, creating mismatched surfaces and significant truck traffic leading to degradation. A plant wide resurfacing project at the primary treatment plant has not been completed in 20+ years and likely more than 35+ years for the Lombard CSO. Seeing that there are few, if any, projects coming up in the next 10-12 years that will require underground work below these paved areas at either plant, now is an opportune time to complete a plant wide resurfacing for both facilities.

With the continued interest in capitalizing on economies of scale, GWA partnered instead with the joint program between the Villages of Lombard and Woodridge which will allow this portion of the project to move forward in 2023 and save on costs compared to bidding it ourselves.

After coordinating with the Village of Lombard on the specifications for the Authorities portion of the resurfacing, the RFP was sent out with a bid opening in late April. Two contractors bid on the scopes provide by Lombard, Woodridge, and Glenbard with Brothers Asphalt Paving being the lowest bidder for Glenbard's portion of the project. As the bid amount came in at about 30% of the total budgeted amount for repaving and within 2% of the engineers estimate for the project, enough funds remain to complete the remainder of the paving project for Bemis Road and the administrative parking lot with the Glen Ellyn paving program next year.

Therefore, it is recommended the EOC authorize the Authority to award Brothers Asphalt Paving with a notice to proceed for the 2023 Asphalt Resurfacing Program in the amount **\$344,590.63**. This amount will be taken out of the CY2023 Approved Budget, Fund 40 Capital Plan.

# **SECTION 9.0**

## **2023 NRI REHABILITATION PROJECT CONSTRUCTION CONTACT AWARD**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

**FROM:** Jeremy Henning, Assistant Executive Director

**DATE:** June 8th, 2023

**RE:** **2023 NRI Rehabilitation Project**

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In September 2022 the Executive Oversight Committee awarded Final Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program to RJN Group. The Glenbard Wastewater Authority owns, operates, and maintains approximately 6 miles of interceptor sewer, ranging from 18" diameter to 66" diameter, a small length (2000') of 8" collector sewer, and over 90 manholes. The majority of the collection system was constructed in the late 1970's after the formation of the Authority through an Intergovernmental Agreement between the Villages of Glen Ellyn and Lombard, and is mostly prestressed concrete cylinder pipe (PCCP). The Authority's collection system has had little in ways of rehabilitation performed on it since being put into service; however, it has been routinely inspected.

The first phase of project was publicly advertised on January 23, 2023, with a bid opening date of February 23, 2023, and with an engineer's estimate of \$359,450 (including alternates). Alternates for this project, including the rehabilitation of manholes in addition to the pipe segments itself, and would only be utilized if the total project cost came in below or around the engineer's estimate. The original bid opening date was postponed to March 15, 2023, at which time, the Authority only received one bid in the amount of \$767,438.05 (including alternates). Due to only having one bid, and that bid being significantly over the estimate and what was budgeted, the Authority chose not to recommend award.

Based on conversations with potential bidders, there were some concerns about the original scope of the project, and the completion dates given in the bid package. Therefore, the scope and completion time were modified, and the bid package was re-advertised. After a May 10, 2023 bid opening, the Authority received two bids as summarized in the table below:

	Engineers Estimate	Hoerr Construction	Benchmark Construction
<b>Base Bid</b>	\$306,575	\$683,295	\$488,000
<b>Alternate</b>	\$52,875	\$47,250	\$260,375
<b>Total</b>	<b>\$359,450</b>	<b>\$730,545</b>	<b>\$748,375</b>

After analyzing the breakdown of the bids, it revealed that most costs contained in the bids are aligned closely with the engineers estimate, with the exception of the bypass pumping. Therefore,

the Authority's consultant engaged in discussion with the bidders, and determined that since means and methods were left up to the bidder, poor designs were proposed, as well as "worst case scenarios" being considered. These discussions quickly lead to the determination that more than likely the bypass pumping costs could be reduced significantly during construction.

The Authority discussed several different options with the RJN Group, the Authority's legal representation, and with the Technical Advisory Committee. Of the several alternatives discussed, it was decided the option most likely to provide competitive and appropriate pricing, is to reject all previously submitted bids and negotiate directly with the combined three bidders from the past two bid openings for the contract. This will allow RJN group to attempt to rectify the portions of each bid that came in uncharacteristically high and allow each bidder to put forth a bid price that matches the true intent of the scope for each line item per the engineers' specifications, while remaining a competitive process. The Authority and RJN group agree that delaying the project could potentially lead to failures of infrastructure that are in need of rehabilitation and/or lead to greater costs for repair in the future, and rebidding the project seems likely to yield similar results. As such the Authority believes moving forward with a different approach will provide the best outcome. A final contract for the NRI Rehabilitation Project will be presented to the EOC at a future meeting for consideration.

The Authority staff requests two motions from the EOC; to reject all previously submitted bids for the 2023 NRI Rehabilitation project, and approve waiving of the competitive bids to award a contract based upon negotiations with the three past bidders for the NRI Rehabilitation Project in accordance with Section C, 1: Exceptions to Competitive Bidding of the Glen Ellyn Village Purchasing Policies and Procedures (per the IGA, the Authority follows the lead agencies purchasing policy), which states, "*A purchase or contract over \$20,000 that is by its nature not adapted to award by competitive bidding may be approved by a 2/3<sup>rd</sup> vote of the Village Board.*"



**GLENBARD WASTEWATER AUTHORITY, ILLINOIS**  
**2023 NORTH REGIONAL INTERCEPTOR CLEANING AND REHABILITATION**

BIDDER agrees to perform all the work described on the CONTRACT DOCUMENTS for the following unit prices or LUMP SUM:

**BID SCHEDULE**

NOTES: If the Authority decides to award the alternate bid depending on the funds available, the lowest responsible bid shall be based on the combination of the base bid and the alternate bid. Any difference in quantity from the rehabilitation schedule is due to buffer quantities in place.

**BASE BID**

NO.	BID DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL PRICE	LINING METHOD
1	BYPASS PUMPING	L SUM	1	\$ 100,000.00	\$ 100,000.00	-
2	PRE-CONSTRUCTION SURFACE TELEVISIONING	L SUM	1	\$ 15,000.00	\$ 15,000.00	-
3	LARGE DIAMETER CLEANING AND TELEVISIONING	LF	1,650	\$ 199.00	\$ 328,350.00	-
4	PRE-CONSTRUCTION CLEANING AND TELEVISIONING	LF	1,250	\$ 35.00	\$ 43,750.00	-
5	PIPELINING (CIPP OR GRP CIPP) (18")	LF	1,035	\$ 94.81	\$ 98,128.35	Steam CIPP Cure
6	PIPELINING (CIPP OR GRP CIPP) (24")	LF	215	\$ 219.58	\$ 47,209.70	Steam CIPP Cure
7	TRAFFIC CONTROL	LS	1	\$ 35,000.00	\$ 35,000.00	-
8	PROJECT MANAGEMENT	HR	20	\$ 250.00	\$ 5,000.00	-
9	CONTINGENCY ALLOWANCE	L SUM	1	25,000	\$ 25,000.00	-
<b>BASE BID TOTAL:</b>					\$ 697,438.05	-

GLENBARD WASTEWATER AUTHORITY, ILLINOIS  
2023 NORTH REGIONAL INTERCEPTOR CLEANING AND REHABILITATION

ALTERNATE BID

NO.	ALTERNATE BID DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL PRICE
A.1	REPLACE OR INSTALL BOLTS	EACH	5	\$ 1,000.00	\$ 5,000.00
A.2	CURTAIN GROUT MANHOLE	EACH	2	\$ 5,000.00	\$ 10,000.00
A.3	TWO-LAYER MANHOLE REHABILITATION	VF	75	\$ 500.00	\$ 37,500.00
A.4	VACUUM TESTING	EACH	5	\$ 3,500.00	\$ 17,500.00
ALTERNATE BID TOTAL:					\$ 70,000.00

ALTERNATE BID TOTAL: Seventy Thousand and 00/100

.....  
(in writing)

Company name: National Power Rodding Corp.

Address: 2500 W Arthington St.

Chicago, IL 60612

Phone number: 312-666-7700

Contact person: Reid W. Ruprecht

Email address: office@nationalpowerrodding.com

# **SECTION 10.0**

## **DISCUSSION**

# **SECTION 10.1**

## **DIGESTER UPSET**

## **SECTION 10.2**

# **DIGESTER CLEANING UPDATE**

## **SECTION 10.3**

# **NATURAL GAS PROCUREMENT UPDATE**

## **SECTION 10.4**

# **INTERGOVERNMENTAL AGREEMENT REVISION PER THE FINDINGS IN THE USEPA ADMINISTRATIVE ORDER OF CONSENT**

# **SECTION 10.5**

## **PFAS POSITION STATEMENT**



# Illinois Association of Wastewater Agencies

## Position on PFAS/PFOA

Per- and poly-fluoroalkyl substances (PFAS) are a group of compounds that are ubiquitous in the environment; from urban to even remote rural areas, including surface water, groundwater, soil, and air. Exposure at certain levels to some PFAS such as the most widely studied compounds, PFOA and PFOS may adversely impact human health and the environment. The members of Illinois Association of Wastewater Agencies (IAWA) continue their commitment, and support policies and actions towards the health and safety of the water in Illinois through the following guiding principles regarding PFAS.



IAWA Position	Description
<b>Follow Sound Science</b>	There are many headlines, sound bites, and sources of information with a wide array of perspectives regarding PFAS. The potential for misinformation is high. It is critical that policies and actions follow sound science. Therefore, to address PFAS effectively, policies, regulations and guidelines to address PFAS must be developed based on data and science such as risk assessments, defensible analytical methods, and phase out of PFAS production and use.
<b>Implement Polluter Pays Policies</b>	Wastewater agencies neither manufactured nor profited from PFAS – they are passive receivers. Likewise, wastewater treatment plants were neither designed for nor are easily adaptable to treat for PFAS. Ratepayers and the public at large should not bear the cost for addressing PFAS. Those who manufactured or sold these substances should be held responsible for cleanup costs.
<b>Utilize Existing Source Control Regulatory Frameworks</b>	Federal industrial pretreatment regulations, implemented decades ago, have successfully ensured pollutant reduction and source control for many other emerging concerns. These regulations should be utilized in coordination with the municipal clean water agency community and other stakeholders, such as industries and the agricultural sector, to properly address PFAS concerns.
<b>Ensure Adequate Funding For Any Mandates</b>	Regulations to address PFAS should consider the costs, funding sources, and logistics. Regulators may prematurely recommend and implement requirements that have no proper funding source for implementation or are impractical. For example, the cost and the logistics for sampling and analysis for PFAS are significantly greater and laboratory capacity more limited than for typical analyses of wastewater and biosolids. Therefore, through forums such as committees, municipal clean water agencies should be given the opportunity to participate in the development of federal and state regulations and permit conditions.
<b>Beware of Unintended Consequences</b>	It is imperative that regulators and other lawmakers consider the potential for unintended legal liability and other consequences. For example, poorly drafted laws and regulations, such as designation of PFAS as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), may impose unintended liability or burdens on municipal clean water agencies and users of biosolids, such as the agricultural community.
<b>Continue Beneficial Reuse of Biosolids that Meet Health and Safety Standards</b>	The agricultural community relies on biosolids as a valuable source of nutrients. Yet, some states, have implemented drastic restrictions with limited scientific basis and consideration of unintended consequences, such as the ban on the beneficial reuse of biosolids in the state of Maine in 2022. These blanket restrictions should be avoided. Careful considerations based on science should be upheld to continue beneficial use of biosolids. For example, the state of Michigan, have developed regulatory frameworks to place some restrictions on beneficial reuse of biosolids when warranted.

The Illinois Association of Wastewater Agencies ("IAWA") has formed a PFAS Committee comprised of clean water experts. The Committee provides advice and oversight regarding PFAS and utilizes technical experts when needed. Current membership of this panel can be found at [www.ilwastewater.org](http://www.ilwastewater.org). For questions, please contact any members of the Committee.

**SECTION 11.0**

**OTHER BUSINESS**

## **SECTION 11.1**

# **TECHNICAL ADVISORY COMMITTEE UPDATES**

**MARCH 21, 2023  
MEETING**



# Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137  
Telephone: 630-790-1901 – Fax: 630-858-8119

## GWA Technical Advisory Committee (TAC) Meeting Agenda March 21, 2023 3pm

1. HSW Receiving
  - a. Increase to \$0.06/gallon
    - i. Mr. Streicher explained at a recent conference that two other sanitary districts in the area that take in the majority of FOG and are likely increasing rates to \$.06/gallon. Suggestion to do the same for our haulers and to potentially then provide a discount to regular haulers if need be. Is consensus of the TAC good enough, or do we need higher approval.
      1. Mr. Goldsmith suggested we get consensus amongst the TAC and then just make sure to let the EOC know.
      2. Mr. Buckley suggested we discuss with the other districts why the rate is set at \$.05 or \$.06 per gallon. We should discuss why to set this rate. Can we look around and find out where else haulers would take their FOG so we can price appropriately. Mr. Buckley is not against setting it as \$.06 but worth checking to see if it is worth setting it based on market factors.
2. CHP Media
  - a. Imminent Changeout
  - b. 3<sup>rd</sup> party assistance
  - c. VOG observe new method?
    - i. Mr. Streicher explained that we burned through our CHP media faster than anticipated and need to order now. If we receive FOG with higher sulfide numbers then it would burn through the media faster. The media purchase was approved at the last EOC meeting and we will likely need to send up for approval for contracted vector use. Mr. Buckley suggested talking to Mr. Burgoni to verify if there is availability to use Glen Ellyn's vector or not. Mr. Pakosta received one quote from a contractor and it is just over \$5,000 and he will attempt to get additional quotes. If we do go with a third party, Mr. Streicher expressed that it might be beneficial for Mr. Burgoni to come and watch the new procedure to see how it works.
3. Midwest Biosolids Association
  - a. \$750/year
  - b. Potential Increases
    - i. Mr. Streicher explained that at the IAWA mini conference a speaker introduced the Midwest Biosolids Association. They are similar to IAWA but includes, we think 10 states, and advocate biosolids for all members. One of the hot topics is PFAS regulations related to biosolids of which MBA will advocate for. The current rate at \$750 is introductory and costs may increase as the group grows. Mr. Streicher just wanted to inform the TAC of GWA joining the association.
4. Flow Bill Updating
  - i. Mr. Streicher explained that we have worked on an updated Excel flow bill that is more automated and does not require as much manual work. Just an FYI to the TAC as we are working to limit the potential for human error.
5. Cell phone / tablet purchases
  - i. Mr. Henning explained the cell phone/tablet replacement that we are about to engage in. We are switching from Verizon to Xfinity and will be replacing the existing radios with

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these new cell phones. We are deciding whether or not to use the capital funds allocated to the radio replacement, or to use O&M funds. If we spread the cost of the phones out over the next two years there is a total \$4,000 discount given by Xfinity.

- ii. Mr. Goldsmith agreed that if we spend \$4000 less, that is likely the best path.
- iii. Mr. Buckley agreed that it is a bit of wash because of any surplus funds from O&M transferring to the capital fund at the end of the year anyway, and so would be better off going a little over on O&M and save \$4000 overall.

## 6. Old Business

### a. Interceptor Rehab Bid Options

- i. Remove large diameter cleaning scope
- ii. Revise manhole rehab scope
- iii. Remove scope and go with "low bid"
- iv. Rebid in two weeks, two months, etc.?
  - 1. Mr. Streicher explained that at the bid opening last week we only received one bid and was double of what was expected. RJN reached out to the plan holders and a few items stood out as hurdles to the other bidders.
    - a. The large diameter cleaning could not be performed by most bidders and the one quote we did get was \$300k alone.
    - b. The manhole specification listed on the bid was for two specific types of liners and only national power rodding is able to apply those two.
  - 2. RJN suggested we rebid in a couple of weeks and change the scope of the manhole rehab and the large diameter work and to give the contractors an extended period of time to complete the work. Mr. Streicher is hesitant to do it so quickly as many bidders might be busy. We would like to just wait until late summer/early fall to rebid with the adjusted scope.
    - a. Mr. Goldsmith has no issue with delaying the rebid and agreed with a further completion date, they may raise their price to put the risk on GWA. He asked if RJN will ask for an approved or equal instead of listing specific products for the manhole rehabilitation. Mr. Streicher explained that RJN would likely open the scope to include more standard lining options.
    - b. Mr. Buckley asked what their plan is for the large diameter cleaning. Mr. Streicher explained that we would potentially add the large diameter cleaning as a part of the phase II process next year. The cleaning can be pushed back and not have detrimental effects for the system. Mr. Buckley asked if RJN knows when a better time to go out to bid would be. Mr. Streicher explained that for phase II we would be better served trying to go out to bid in January to get ahead of any other work going out to bid.
    - c. Consensus that we will get back to RJN, have them revise the scope and have them wait a couple of months before rebidding.

### b. Screw Pump Update

#### i. EOC Inventory Suggestion

- 1. Mr. Streicher explained that are running with two screw pumps and the backup pumps in place. We are still waiting on the last shaft to come in and will keep everyone posted. Mr. Streicher explained the request from the EOC to stock additional shafts and that keeping the different types of shafts in stock is not necessarily a great investment as we could potentially go many years before having to worry about another failure. Two of the gear's boxes have gone over 40 years without a failure. If we were to purchase spare shafts, where would we stop in terms of keeping extra parts of the shelf that may never be needed?
- 2. Mr. Goldsmith asked about how many different types of shafts do we have? There are five total different shafts in each gear box, and GWA has two different kinds of gear boxes. Prices vary, but there are long lead times on some of the shafts. It was quickly estimated that it could cost about \$25k to purchased the 5 common shafts in order to have spare parts for just two out of the three gear boxes.



## Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137  
Telephone: 630-790-1901 – Fax: 630-858-8119

3. Mr. Buckley suggested that you could purchase 5 shafts, and that would cover two of the screw pumps. That could be a potentially beneficial situation.
  4. Mr. Henning mentioned future plans for the screw pumps in general and Mr. Streicher explained that we will likely have to do additional rehabilitation to the screw pump process itself in the next few years and that long term there may be significant enough changes to the process that would affect the screw pump building
  5. Mr. Buckley suggested that this might be a good topic to bring up at the next EOC meeting to explain the reasoning between going forward with purchasing spares or not. Will be a good follow up and give us more time to research and apply justification for moving forward or not.
- c. Primary Clarifier Project
- i. Loan Status
    1. Mr. Streicher explained the status of the application and that we are just awaiting the loan ordinances. Once we have the ordinances, we can then get an opinion letter from our attorney. Gary from IEPA now mentioned that he may have explained it a bit overly favorably, as there are quite a few other projects ahead of us. IEPA will have to go through the other people on the bypass list first before we are able to receive the loan. We put ourselves in the best position we could by applying and being ready to go out to bid when we hear from the IEPA.
- d. Digester Cleaning Update
- i. Mr. Streicher explained that this was approved at the last EOC meeting and Synagrow is the awarded contractor. We are working with Synagrow and internally to work through what the best process is to pump this tank down while still maintaining process. We will send out a letter to residents about potential odor issues and additional truck traffic.
- e. USEPA AOC
- i. Draft Status
  - ii. IGA Revision
    1. Mr. Streicher explained that we met with the EPA last week and much of the items on the draft AOC have already been addressed. EPA still has concerns or is unsure about the language in the IGA and wants to see our most recent draft so they can attempt to understand it better.
- f. Local Limits Evaluation
- i. Sampling in Village Manholes
    1. Mr. Streicher explained that Ms. Staat has begun the process of sampling for our local limits study and that within the next few weeks suburban labs will be sampling in each of the villages. She has been in contact with both public works already regarding this work.
- g. Lombard L22 Basin Tie-In
- i. Alternate Evaluation
  - ii. RJN Hydraulic Modeling
    1. Mr. Streicher explained that RJN did not see any significant benefit to either of the methods tested in the model.
    2. Mr. Goldsmith suggested that they will be looking into alternative methods to address the issues in the L22 basin. He also explained some of the future work

they have scheduled to address some of the I&I issues and other grant possibilities they can use to work with residents.

h. Electrical Grid Project Summons

1. Mr. Streicher asked if Lombard was dropped from the lawsuit and Mr. Goldsmith said they have not had word yet. Mr. Streicher explained that all costs should be taken care of by Broadway's insurance and we will be able to recoup costs once litigation is complete. Mr. Streicher will keep this on the list as we hear more moving forward.

i. SRI Manhole Repair

i. IDOT Permit

1. Mr. Henning explained that Airy's is the lowest quoted contractor and we are awaiting word from IDOT. Mr. Henning explained that he received an email from IDOT yesterday and we just need to submit the correct forms and see how quickly we can move forward.

j. Natural Gas Procurement Update

- i. Mr. Streicher explained that he has been reaching out to providers to get some pricing to keep an eye on what the natural gas prices do. As we see if prices drop further, we can make a move to secure the most favorable pricing available.

k. Bemis/Sunnybrook

i. Plant Repaving

1. All paperwork was submitted to Mr. Dixon at the Village of Lombard and we will be included on Lombard's bid that will be going out to bid late in April. GWA would then move forward with a contractor directly.

l. Sustainability Committee

i. Pollinator Garden

ii. Compost

1. Mr. Streicher explained that we will be starting a new pollinator garden. A contractor will come in and apply herbicide and then seed for native plants. The first year will likely be minimal growth, but the second and then third years will be more productive. We have not gotten a quote back from the first contractor, but will likely get additional quotes to compare pricing. Mr. Streicher explained that the sustainability branched off from an existing internal energy committee and is working on a few initiatives, such as this pollinator garden and composting.
2. Mr. Buckley suggested we keep Mr. Hubsy in the loop so that he can be aware of what we are doing. There is a contractor Glen Ellyn uses called Blue Stem that helps to maintain some of their areas and we may be able to reach out to them. We can contact Max Brown to get further details.
3. Mr. Streicher explained that this is a pilot project and we would potentially expand this pollinator habitat to other areas of the plant as well.

m. Exhibits and language for Village/GWA Connection points at

i. Last CSO Regulator and lines between the regulators to the facility

- 1.

**APRIL 20, 2023  
MEETING**



# Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137  
Telephone: 630-790-1901 – Fax: 630-858-8119

## GWA Technical Advisory Committee (TAC) Meeting Agenda April 20th, 2023 3pm

### 1. Digester Upset

- a. Mr. Streicher explained that digester #2 is currently upset. He explained the acids to alkalinity test and how quickly the digester turned bad. We have not had any odor complaints as of yet.
- b. Mr. Goldsmith asked if we have anything in our policy to notify residents in the event of an upset. We will investigate further.
- c. Mr. Goldsmith also asked if we know why it went upset. Mr. Streicher explained that we believe there was an issue with the rotation of FOG pumping to the digesters that caused digester #2 to get overloaded. SCADA showed normal operations, however, when an operator visually checked a valve it was found to be stuck feeding into digester #2, whereas SCADA showed it rotating between the two digesters as it normally should be.
- d. Mr. Goldsmith asked if any haulers may have brought something that upset it. Mr. Streicher explained that Ms. Staat is following up with a particular hauler to verify where their recent loads were from, but at this point we don't believe that is the case.
- e. Mr. Henning explained additional changes we are putting in place in SCADA to help notify/alarm the operator in the case that the automatic switching does not occur.
- f. Mr. Streicher explained that operations is also feeding sodium bicarbonate to help settle the digester along with seeding with healthy sludge.
- g. Mr. Buckley asked what the highest ratio percent we had seen and also what it is today. Mr. Streicher explained the history of the ratio percentage over the past few days; historically, the digesters sit at around a 3-5% acids to alkalinity ratio, on 4/14 digester #2 was at 4%, by 4/15 it was up to 35%, and by 4/17 up to 45%. Due to the efforts of Operations, it was back down to 32% by 4/20, and continuing to improve (it was back to 5% by time these minutes were written).
- h. Mr. Buckley asked at what percent we would be concerned with odor or issues in a digester and Mr. Streicher explained the 20% industry standard and GWA's standard 4% ratio.

### 2. Declaration of surplus – Saltdogg

- a. Mr. Henning explained that the Saltdogg salt spreader needs to be listed as surplus and will be brought for resolution to the next EOC meeting.

### 3. IAWA PFAS Position Statement

- a. Mr. Streicher explained that IAWA is creating a general position statement regarding PFAS that GWA would utilize because of our membership with IAWA. The position statement will generally state that PFAS costs, monitoring, etc. should be paid for by source contributors, to the best of our ability, and not by wastewater agencies.
- b. Mr. Goldsmith asked how we would push the cost onto PFAS generators. Mr. Streicher explained that we would need to identify the industries that would be contributing, monitor and work with those industries to stop using ingredients that contain PFAS if possible.
- c. Mr. Streicher explained that GWA is actively keeping an eye out for new requirements and advancements regarding PFAS.

### 4. Prevailing Wage Act Impacts on GWA

- a. Mr. Streicher explained that historically land application of sludge never fell under prevailing wage. A situation with another municipality proved that the hauling of sludge is an essential process for the running of wastewater processes and, as such, when our contract expires, we will see a large increase in sludge hauling costs because sludge hauling will now fall under prevailing

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wage. When GWA does the 2024 budget, we will need to increase our budget allocation for the sludge hauling to accommodate the additional costs.

- b. Mr. Goldsmith asked if it was strictly the application or the hauling as well and Mr. Streicher explained that it is for both hauling and application.

5. Security camera project

- a. Mr. Henning explained that GWA staff is moving forward with the budgeted security camera installation project. He explained that we are in the initial phase of research and internal engineering of the software, locations, and camera types to be installed. External engineering was budgeted for this project but GWA intends to move forward with internal resources to provide the design and layout of the system.
- b. Mr. Buckley mentioned that Mr. Chiappetta, Village of Glen Ellyn's IT Director, would be a great resource to reach out to for information on their camera system and implementation. Mr. Henning explained that he had already started a line of communication with Mr. Chiappetta and will utilize his expertise when needed as we proceed through the project.
- c. Mr. Goldsmith asked if these would be monitored real-time or just used for recording and Mr. Henning explained that the intent is to use the majority of the cameras as incident recording. The Video Management System (VMS) chosen will be expandable so that eventually GWA can utilize more features related to access controls and other more advanced features.

6. Old Business

a. Increase HSW to \$0.06/gallon

- i. Mr. Streicher explained our intent to increase our rates to \$.06/gallon and that we will advise the EOC at the next meeting. We intend to review this each year moving forward to ensure our costs are competitive with other locations FOG could be taken.
- ii. Mr. Goldsmith asked when the effective date of change will be. Mr. Streicher explained that when we start receiving FOG again after the digester cleaning, we will put the higher rate into place.

b. Interceptor Rehab Bid

- i. Mr. Streicher explained that we will be proceeding with rebidding the interceptor rehab project in early May as was previously discussed. Multiple scope adjustments have been made and we have set an extended completion time to allow for more flexibility from the contractors. We hope that the adjusted scope and timing will allow for multiple bidders and more competitive pricing.

c. Screw Pump Update

- i. Mr. Streicher explained that we should be receiving the remaining parts in the next few days and maintenance will work quickly to get the final screw pump back into service. We will be performing the tear down of the rental equipment ourselves in an effort to save approximately \$7,000 in costs from Xylem and hope this will all be completed soon.

d. Primary Clarifier Project

i. Loan Status

- 1. Mr. Streicher asked if each loan ordinance from the Village's has been passed and Mr. Buckley confirmed that the ordinance had been signed at the previous board meeting and Mr. Henning could reach out to Mrs. Cannova to get a copy of the executed ordinance. Mr. Goldsmith confirmed that the ordinance was signed at the previous board meeting and the village is waiting on the mandatory 30-day public comment period before it is finalized.
- 2. Mr. Henning will reach out to Trotter to confirm the status of the loan and the final drawings.

e. Digester Cleaning Update

- i. Mr. Streicher explained that this project is tentatively delayed until we are sure that our digester #2 is healthy again before proceeding. Timing will be dependent on that and we will work with Synagro on timing if it needs to be extended past the agreed upon 60 day completion time.

f. Cell phone purchase update

- i. Mr. Henning explained that after the previous TAC meeting, there were further discussions with Xfinity regarding their mobile service and unfortunately, they do not have a government business line for their mobile service. This means that they would only be able to open a mobile account with five lines on it for GWA instead of the 20+ lines that we require.



## Glenbard Wastewater Authority

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- ii. Mr. Henning explained that he spoke again with Verizon and refreshed the pricing for an up-to-date plan with them. GWA intends to move forward with purchasing the required devices from Verizon instead of Xfinity as the capital radio budget will be largely left alone, similar to how it would have worked with Xfinity. The overall service cost will be slightly higher than with Xfinity, but not by a significant amount and after the first two years of service end, the monthly cost will drop by approximately \$300 per month.
- g. USEPA AOC
  - i. Draft Status
  - ii. IGA Revision
    - 1. Mr. Streicher explained that we are waiting on the final AOC and that we are looking to clarify deadlines from the EPA on the remaining items. Glenbard will continue to communicate with each village to get the IGA completed and signed so it can be addressed for each village. Although it is likely we will not avoid the EPA submitting a final AOC, we believe most, if not all, of the items will be addressed immediately or shortly after it is finalized.
- h. Local Limits Evaluation
  - i. Sampling in Village Manholes
    - 1. Mr. Streicher explained that sampling is occurring within the next week or two within each village for the local limits evaluation. We will also have additional sampling in May, June and some later in the season. Ms. Staat will continue to coordinate with Suburban Labs and each village to complete all needed sampling.
- i. Electrical Grid Project Summons
  - i. Not much new information except that both villages are no longer named in the case and that final costs will not be incurred by GWA. Mr. Streicher did speak with legal counsel to confirm that any invoices that have been paid or received to date will eventually be paid by the contractors insurance company and/or reimbursed to GWA.
- j. SRI Manhole Repair Complete
  - i. Mr. Henning explained that the work was completed on Butterfield Road and that all invoices were sent over to Janice for submission to insurance. He also explained that the new manhole frame and cover are on back-order and as soon as they come in the contractor will replace the existing hardware.
  - ii. Mr. Henning also noted that Mrs. Kurasz confirmed that we received the payment from insurance today for the repair work and Mr. Henning will work with her to wrap everything up.
- k. Natural Gas Procurement Update
  - i. Mr. Streicher reminded the TAC that at the last EOC meeting was when he was authorized to start gathering pricing from natural gas providers. We are seeing lower rates for 12-month terms vs longer contracts, but we are still interested in locking in a three-year plan if possible. Mr. Streicher showed some internal charts that were created to compare price quotes between the few vendors and brokers that are providing quotes. It seems likely that we will attempt to lock in a new contract in the next month or two which is typically a good time of year because of weather changes and natural gas demand
  - ii. Mr. Buckley asked why we would not want to go for the cheaper one-year term vs signing a more expensive three-year term. He also asked if we could calculate what the cost savings based on actual usages would be for the one-year rate vs the two- or three-

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year rate. Mr. Streicher will update the internal spreadsheet to calculate the costs for the one-year vs three-year rates.

- I. Bemis/Sunnybrook
  - i. Plant Repaving
    - 1. Bid opening is tomorrow (4/21/23) and we will have more information at the next meeting.
- m. Exhibits and language for Village/GWA Connection points at
  - i. Last CSO Regulator and lines between the regulators to the facility
    - 1. I don't believe that last regulator actually exists!
      - a. Mr. Streicher explained that operations noted that we were seeing flow going to our CSO plant during dry weather when it shouldn't be. GWA confirmed that a regulator was jammed and not functioning correctly. A second regulator could not be found while inspecting the manholes and area where it was thought the additional regulator would be.
      - b. Discussion amongst the group about the best action moving forward about who is responsible for what assets or connection points. Mr. Streicher will resend the exhibits and work to get documentation added to GIS and Cartegraph for each village.

**MAY 18, 2023  
MEETING**



# Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137  
Telephone: 630-790-1901 – Fax: 630-858-8119

## GWA Technical Advisory Committee (TAC) Meeting Agenda May 18, 2023 3pm

1. Solar RFP
  - a. Mr. Streicher explained the RFP will be released next week 5/24 with either a PPA or outright ownership options. The bids are due near the end of June and intend to bring the results to a June or July TAC meeting to determine how to move forward.
2. Bridge Inspection
  - a. Mr. Streicher explained that we are moving forward with the plant paving and now would be an opportune time to have the bridge inspected as we believe it has never been inspected. We found that three of our shortlisted engineering firms have certified IDOT bridge inspectors on staff that have the capability to perform the bridge inspection, and so Mr. Streicher has been working on an RFP for the inspection. We do not have this specifically budgeted, so we will see how the pricing looks first and determine if we can make it fit within the budget.
3. EOC Items:
  - a. Digester upset??
    - i. Mr. Streicher asked if it's worth notifying the EOC of the digester upset even though it has been completed. Both Mr. Goldsmith and Mr. Buckley agreed that bringing it to their attention would be a good idea. They stressed we should highlight that we followed the previous procedures and that we were able to resolve the upset quickly with no complaints from residents.
  - b. Audit
    - i. Mr. Streicher noted the annual audit performed by the Village will be brought to the EOC for approval.
  - c. CHP Media Purchase
    - i. Waive Competitive Bidding
      1. Mr. Streicher explained that we intend to waive competitive the bidding process moving forward as this is a repetitive purchase. To ensure fair and competitive pricing, unless we see a 10% price increase from previous purchases, we will utilize the winning bidder from the last RFP and every three years perform the RFP again.
      2. Mr. Buckley mentioned he didn't have an issue with it as long as we keep to the intent of the policy by verifying there are no price increases. Mr. Streicher referenced the item in the purchasing policy that highlights the ability to waive competitive bidding for repetitive purchases, which this falls under.
  - d. Interceptor Rehab?
    - i. Mr. Streicher explained that the second bid opening occurred last week and although we had two bidders this time, the prices were not within an acceptable range per the engineers estimate. The primary discrepancy in the bid appears to be the bypass pumping prices. There are four options discussed with RJN: rebid again but specify the bypass, rebid later in the year to take advantage of more aggressive pricing later in the year (also with more bypass specifics), give an intent to award the low bid contractor but negotiate for lower bypass pumping prices via a change order, or directly award the low bid contractor and negotiate for lower bypass pumping via a change order. The engineer believes the bypass pumping pricing could be significantly lower once more specifics are given and guidance on the process. Mr. Streicher explained that we could

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then still terminate the contract prior to construction if the bidding did not come down far enough to make the price feasible.

- ii. Mr. Goldsmith asked if there is a requirement to rebid the RFP if the change orders change by a certain percentage as this is a policy the Village of Lombard has in place, and Mr. Streicher confirmed there is not.
  - iii. Mr. Goldsmith mentioned that we could follow a similar process that Lombard recently used by having the EOC approve to reject the bids, but get approval to negotiate directly with both bidders to get the pricing down to an acceptable level and then determine who best to go with.
    - 1. Mr. Streicher mentioned that we would likely then include the original first bidder in the negotiation process as well.
  - iv. Mr. Buckley asked for more details about the bypass pumping to determine if that portion of the project is something that Glenbard could handle directly. Mr. Streicher explained that we did discuss that and it is a possibility and Glenbard would need to determine if we have the capacity to perform those tasks and how we would go about coordinating with the contractor on that work.
  - v. Mr. Streicher explained further that he means of the bypass pumping is likely the issue with the elevated prices. We believe the contractors did not accurately scope the bypass pumping portion of their bid.
  - vi. The group decided we would request the EOC allow Glenbard to waive competitive bidding so we can negotiate directly with the three contractors who bid on the project. Mr. Goldsmith will send a couple of forms that they have used for bid rejection and rebidding.
- e. Declaration of surplus – Saltdogg
  - i. This item was discussed at the last TAC meeting. This will be going on the consent agenda for approval
- f. Revised IGA
  - i. Being placed in discussion as we only see a signature line for the Village Presidents directly.
- g. Natural Gas
  - i. Mr. Streicher locked in the contract with Constellation yesterday at a price of \$4.6711/Dth. It does appear to be in the sweet spot right now where we see low prices that could start going up soon. This is twice as much as our previous rate, but our existing price was a historic low price. Mr. Streicher proceeded with the three-year contract option as the futures were trending higher so we feel the potential for the pricing to go up each next year is greater than the difference between a one- and three-year price lock.
- h. Plant Paving
  - i. Mr. Henning explained that Glenbard proceeded with a joint paving bidding process with Lombard for the resurfacing of the main plant and CSO asphalt surfaces. Mr. Henning explained the history of past patching and paving efforts and that now is an opportune time to resurface these areas. The low bidder, Brother's Asphalt, will be awarded the contract at the price of \$344,590.63 once the ECO approves moving forward.
- i. Retroactive Approval of Screw Pump Failure related costs
  - i. Rental period ended 5/3/23 (began 2/28/2023)
    - 1. Mr. Streicher explained that the total for all costs related to the emergency came in just shy of \$100k. That size of dollar amount requires EOC approval and so Glenbard is asking retroactively to approve the amount. The memo in the EOC packet provides details of the costs. This was performed as emergency approval, and we are now seeking retroactive approval.
- j. Digester Cleaning
  - i. This will be posed as an update as this was approved previously. The goal was to pump down to 400,000 gallons and operations was able to get it down to 311,000. Cut the total project cost down to ~\$101,000 from \$140,000. We made sure to send notification to residents that the digester cleaning is under way and so far have not had any complaints.
- k. IAWA PFAS Position Statement



## Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137  
Telephone: 630-790-1901 – Fax: 630-858-8119

- i. This will be brought up as a general topic for discussion regarding the IAWA PFAS position statement. Mr. Streicher explained that there is quite a lot of information and rapid changes regarding PFAS for water and wastewater and the IAWA position statement will describe our stance moving forward on PFAS. Once the position statement is finalized, Glenbard intends to adopt the statement and post it on the website for public information.
- 4. Security camera project
  - a. Mr. Henning explained that the camera project is proceeding and staff are currently working on evaluation video management systems and determining where cameras will be installed on the plant site.
- 5. VOGЕ Compensation Study
  - a. GWA pays for our portion
    - i. Mr. Streicher explained that this is a general notification that GWA will be paying for their portion of the compensation study that is currently being performed by a contractor for the Village of Glen Ellyn.
    - ii. Mr. Goldsmith asked what the process was for determining who should perform the compensation study. Mr. Buckley confirmed Glen Ellyn HR followed the purchasing policy for finding the contractor.
    - iii. Mr. Goldsmith asked if the cost of the study should be included in the standard overhead fees or not. Mr. Buckley and Mr. Goldsmith noted that they would follow up on this item with their respective Village Managers and verify.
- 6. System rainfall capture comparison – 2022
  - a. Mr. Henning followed up on a previous conversation from the last TAC meeting regarding a report on the estimated amount of rainfall captured by each Village's collection system and how that could potentially affect costs for Glenbard and each Village. Mr. Henning will forward the Excel spreadsheet with the details to both Mr. Buckley and Mr. Goldsmith so they can review.
- 7. Old Business
  - a. Interceptor Rehab Bid
    - i. This item was already discussed earlier.
  - b. Primary Clarifier Project
    - i. Loan Status
      - 1. Mr. Streicher explained that we have no status update on this currently. Mr. Streicher and Mr. Henning have been looking at the budget to determine what the budget impact will be if we are unable to get a loan for this project and how to move forward.
  - c. Cell phone purchase update
    - i. Mr. Henning briefly explained the current delay with Verizon is due to a missing form that they require in order to set the new contract up with Glenbard's EIN number directly. Glenbard worked with the Village of Glen Ellyn finance team to have them request the appropriate form from the IRS and we are expecting it soon.
  - d. USEPA AOC
    - i. Draft Status
      - 1. Mr. Streicher explained that this is no longer draft status, and has been signed. The majority of the items on the AOC have been addressed but there will be testing and quarterly reports handled by Ashley for one year.
    - ii. IGA Revision

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1. Mr. Streicher explained that the IGA is no longer a violation on the AOC, but they do want to know when the new IGA has been signed.
- e. Electrical Grid Project Summons
    - i. Mr. Streicher explained that there is no status update at this time.
  - f. Exhibits and language for Village/GWA Connection points at
    - i. Agreement between VOL and VOG for Hill Ave Force Main point of entry
    - ii. Language in IGA's with other entities

Mr. Streicher explained that this has mostly been completed. Mr. Hubsy from Glen Ellyn brought up a good point to Mr. Streicher that the Hill Ave/Glen Oak force main to North Lombard tie in needs further clarification between the two Villages. Mr. Streicher will need to make sure mention of Illinois American Water connection to GWA's Valley View Lift station, and DuPage County's connection to GWA's St. Charles Road Lift Station, are both mentioned in their respective IGA's.

**SECTION 12.0**  
**NEXT EOC MEETING**  
**THURSDAY,**  
**JULY 13, 2023**  
**AT 8:00 A.M.**