

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Agenda

October 27, 2022

8:00 a.m.

Zoom Link:

<https://us02web.zoom.us/j/89004607750?pwd=OVpTVTBzZWV2UIZUSDVIU29HWURRZz09>

Glenbard Wastewater Authority Meeting Procedures Statement

On March 16, 2020, Governor Pritzker issued Executive Order. No. 5 in response to COVID-19, which temporary suspended certain requirements of the Open Meetings Act ILCS 120 allowing Executive Oversight Committee members to participate electronically in Executive Oversight Committee meetings.

The Public is welcome to observe and participate in all meetings of the Executive Oversight Committee. Meetings are able to be viewed using the link

<https://us02web.zoom.us/j/89004607750?pwd=OVpTVTBzZWV2UIZUSDVIU29HWURRZz09> or by calling (312) 626-6799 and using the Meeting ID: 890 0460 7750 and passcode 552226. All public comments received during the meeting will be read into the record during the appropriate portion of the agenda.

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 part of the months of September 2022 \$1,231,232.10 (Trustee Christiansen).

- 5.1 Executive Oversight Committee Meeting Minutes:
September 8, 2022 EOC Meeting
- 5.2 Vouchers Previously Reviewed:
September 2022 – Trustee Christiansen
- 5.3 Fire Monitoring System Annual Service Contract

In June 2022, the Executive Oversight Committee approved the replacement of the system at a cost of \$190,500. After the system is installed and implemented, a

service contract will be necessary in order to complete required testing, routine maintenance, and any corrective maintenance needed on the system. Due the cumulative amount over the five years being approximately \$60k, the EOC's authorization to approve the contract is required. As this purchase is for a service contract on a proprietary system, the Authority is requesting 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." This item has been discussed with the TAC and all are in agreement.

Therefore, the Authority recommends the EOC authorize the Authority to award Siemens with a notice to proceed in the amount in the amount of \$7,734 for CY2023. This amount is reflected and will be sourced from 2022 GWA Electrical Contractual 270-520981. Future years budgets will be planned for accordingly, and brought forward to the EOC for approval.

6. Final Draft CY2023 Budget Request for Recommendation for Approval to GWA Full Board

After the presentation of the first draft of the CY2023 budget to the Executive Oversight Committee at the September 8, 2022 EOC meeting, comments were received and the budget was modified to reflect those changes, and further updates have also been inserted into the draft budget that were not available at that time. Below summarizes the changes that were made to the draft since the last revision.

The budget has an O&M increase of 5.4% (\$251,768), whereas the first draft reflected an O&M increase of 5.6% (\$262,270). The first draft of the budget's overall increase including capital was 3.6% or \$299,412 over the CY2022 budget, however, the final draft reflects an overall 3.6% increase, or \$298,195 over the CY2022 budget. It is requested that the EOC motion to authorize approval of the CY2023 GWA Budget to the Full Boards of Glen Ellyn and Lombard.

7. Other Business

7.1 November 3, 2022 Full Board Meeting, 5pm at Village Hall, Lombard

8. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, November 10, 2022 at 8:00 a.m.***

SECTION 5.0

CONSENT AGENDA

SECTION 5.1

MINUTES –

SEPTEMBER 8, 2022

MEETING

**GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
MINUTES
September 8, 2022
Meeting held at the Glenbard Wastewater Plant
945 Bemis Road, Glen Ellyn, IL**

Members Present:

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

Others Present:

Matthew Streicher	Executive Director, GWA
Jeremy Henning	Assistant Director, GWA
Rick Freeman	Electric Superintendent, GWA
Jon Braga	Maintenance Superintendent, GWA
Andy Pakosta	Operations Superintendent, GWA
Ashley Staat	Environmental Resources Coordinator, GWA
Larry Noller	Finance Director, Village of Glen Ellyn
Tim Sexton	Finance Director, Village of Lombard
Gayle Lendabarker	Executive Assistant, GWA

1. Call to Order at 8:48 a.m.
2. Pledge of Allegiance
3. Roll Call: President Giagnorio, Trustee Bachner, Trustee Christiansen, Mr. Franz, Mr. Niehaus and Mr. Goldsmith answered "Present". President Senak arrived after Roll Call at 8:05 a.m. Mr. Buckley was excused.
4. Public Comment
5. New Assistant Executive Director Introduction

The Assistant Executive Director role with the Glenbard Wastewater Authority has recently been filled by Jeremy Henning, who comes to GWA with 22 years of diverse work experience, including; technology, operations, process improvement, and project management. His past seven years were spent at a local water agency where he was tasked

with a broad range of responsibilities and is excited to bring all of his knowledge and expertise to the Glenbard Wastewater Authority.

Mr. Streicher introduced the new Assistant Executive Director, Jeremy Henning.

Mr. Henning briefly introduced himself to the EOC Committee members and stated that he had been onboard for approximately six weeks and was learning a lot.

Mr. Streicher noted that going forward Mr. Henning will be an integral part of EOC Committee meetings.

6. 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 Committee to approve the following items including Payroll and Vouchers for part of the months of May, June, July and August 2022 \$2,910,700.97 (Trustee Christiansen).

Trustee Christiansen motioned and Trustee Bachner seconded the *MOTION that the following items, on the Consent Agenda be approved. President Giagnorio, Trustee Bachner, Trustee Christiansen, Mr. Franz, Mr. Niehaus and Mr. Goldsmith responded “Aye” during a roll vote. The motion carried.*

- 6.1 Executive Oversight Committee Meeting Minutes
 - June 9, 2022 meeting

- 6.2 Vouchers previously reviewed by Trustee Christiansen
 - May, June, July and August 2022

- 6.3 Ratification of August 3, 2022 Phone Poll Item

- 6.3.1 The Operations Department is requesting approval for a purchase of UNI-CL2V Media for use in our four Unison Solutions siloxane removal tanks. The reason for the needed media replacement is that the gas conditioning skid gas samples and the engine oil samples are starting to see breakthrough of the corrosive siloxane component. The (Total Base Number) TBN of the oil has decreased and the main justification is the siloxanes exponentially decrease the base life of the oil. This causes us to reduce runtime hours between oil changes to protect the engine from failure as the oil breaks down more quickly.

Since the material itself is not unique or proprietary in nature, multiple quotes were sought; however, no other parties elected to provide pricing as the entire Unison gas scrubbing system is designed using their own product. Therefore, it is also being requested to waive competitive bidding under Section C.1.f of the Village of Glen Ellyn’s Purchasing

Policy, which states; “Standardization Purchases, as defined as technical in 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.”

This material does not have a shelf life, and factoring in potential shipping delays and sufficient available funding, it will be beneficial to purchase 2 replacement media sets and store the backup set onsite.

It is being requested that the EOC authorize the Authority to purchase the replacement media from Unison Solutions for \$57,068.00 to be invoiced to Capital Account Fund 40-580150.

6.4 Notification of Open Purchase Order for Contract Laboratory Services

The Authority’s existing provider for contract lab services, Suburban Laboratories, has recently increased their pricing – and in addition, they have had a number of issues with recent data, which has caused the Authority to have less faith in their ability to complete accurate laboratory analysis. Dave Peters received a quote from First Environmental Laboratories in Naperville, and compared the quote what the Authority is currently paying to Suburban for the same analytical services. It is estimated that by switching to First Environmental, the Authority can save approximately \$1,500 a year, or more depending on the number of samples needing to be sent out. The Authority will also hopefully receive higher quality analytical services on our laboratory data.

Although the EOC had approved to use Suburban Laboratories at the beginning of the year, as seen in the quote, the anticipated annual cost of these services does not exceed the \$25k amount required for EOC approval – therefore, the request for approval was sent to Manager Franz, and it was approved July 26, 2022.

6.5 Declaration of Surplus – Forklift Unit 632, two (x2) Spencer Series 4000 Blower Units, two (x2) Quincy Air Compressor Units, and various Electrical Equipment (see Exhibit A)

At the March 11, 2021 Executive Oversight Committee meeting, the EOC approved the purchase of a new forklift. Traditionally, the Authority has owned two forklifts; one for the main plant for general use, and one for the CSO plant with the sole use of moving grit dumpsters. After the purchase, the Authority no longer had a use for its oldest forklift located the CSO plant, and requested it be declared surplus. The EOC approved the resolution declaring it surplus in June 2021, and the existing forklift that was replaced at the main plant was moved to the CSO plant.

Since that time, the Operations Department has acquired new grit dumpsters at the CSO plant, and has realized an agreement was already in place with the Authority's waste hauler for the dumpsters to be emptied by the hauler. Therefore, the Authority no longer had a use for the old forklift located at the CSO plant. In addition, the Authority has recently purchased a trailer that is capable of transporting the Authority's new forklift, or any other larger equipment that may be needed, to the CSO plant. Based on this information, some revenue can be generated by auctioning off the old forklift, as well as cost savings due to less equipment in the Authority's fleet.

While preparing the resolution for declaration of surplus, it was decided to include other salvaged or end-of-life pieces of equipment as well. Four items had previously been declared surplus by the EOC, but not formally through a resolution. In June of 2021, the Authority's legal counsel recommended instituting a policy to pass resolutions declaring equipment surplus, rather than the prior method of simply approving it as an agenda item. Therefore, these additional pieces of equipment are being added to the resolution so they can be sold, and properly accounted for in the audit process.

The additional 4 pieces of equipment that were previously classified as surplus via agenda item consists of two blowers and two compressors that were salvaged in 2018 during the upgrade of the sand filters to the disc filters. They serve no use to the Authority any longer, and have been consuming valuable storage space since being taken out of commission.

In addition, the Authority is also requesting to classify a collection of spare parts inventory for electrical equipment (see attached Exhibit A) as surplus. These Programmable Logic Controllers and fiber optic converters served the Authority well since being installed in the late nineties, but became too expensive to maintain or repair due to their age, and were recently replaced as a part of the ongoing campus wide PLC replacement capital project.

Therefore, enclosed with this memo is the formal resolution auctioning off Forklift Unit 632, two (x2) Spencer Series 4000 Blower Units, two (x2) Quincy Air Compressor Units, and a list of spare parts inventory for electrical equipment (see Exhibit A) for approval. The Authority respectfully requests that the EOC motion to approve Resolution No. 2022-001, a resolution authorizing the sale of equipment – Forklift Unit 632, two (x2) Spencer Series 4000 Blower Units, two (x2) Quincy Air Compressor Units, and the electrical equipment listed in the enclosed Exhibit A.

6.6 Electrical Grid Project Change Order 002

At the June 9, 2022 Executive Oversight Committee, the EOC approved a settlement agreement with the contractor for the Electrical Grid Rehabilitation

Project, in which the Authority agreed to release the remaining \$13,141 in cash allowances that were not used in the project but approved by the EOC, and accept a change order increasing the overall contract cost by \$74,859. Enclosed is the formal change order for approval.

7. Request for Approval for Interceptor Rehabilitation Proposal

In October 2021 Authority staff developed and sent out a request for qualifications and technical proposals to our six shortlisted professional consulting firms for Preliminary Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program.

The intent of the request for proposals was to retain a professional firm in order to provide further analysis and interpretation of Red Zone Robotic and RJN Group Inspections and Reports, develop a 3-year capital rehabilitation program for the Authority's collection system based off the greatest needs as well as any cost-effective approaches, prepare bidding documents and assist in the bidding process, and provide part-time construction engineering services. The scope of work was anticipated to take place over the calendar year budgets of 2022-2024 where the Authority has approximately \$350,000 budgeted each year for the construction costs of these specific capital rehabilitations.

RJN Group was selected and completed the preliminary design, leading to a submittal of a proposal for the final design, bidding, and construction services. The primary goal of the submitted proposal is to design, bid, and oversee rehabilitation of the NRI Interceptor from late 2022 through 2024. The two phased approach will require multiple years of design, bidding, and construction. Following the completion of this project, GWA will have the high priority rehabilitation of their interceptor system completed. This project will be invoiced on a lump sum, percent complete basis for a total not-to-exceed fee of \$155,000. The project will have milestones in 2022, 2023, and 2024, with completion of rehabilitation construction in 2024.

Therefore, it is recommended the EOC authorize the Authority to award RJN Group, Inc. the Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program in the not to exceed amount of **\$155,000.00**. This amount will be taken out of the designated amount in CY2022 Approved Budget, Fund 40-580150 Capital Plant Equipment Rehabilitation, and future years budgeted as appropriated.

Mr. Niehaus motioned and Trustee Christiansen seconded the motion to award RJN Group, Inc. the Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program in the not to exceed amount of \$155,000.00 The funds for this project will be taken out of the designated amount in CY2022 Approved Budget, Fund 40-580150 Capital Plant Equipment Rehabilitation, and future years budgeted as appropriated. President Giagnorio, President Senak, Trustee Bachner, Trustee Christiansen, Mr. Franz, Mr. Niehaus, and Mr. Goldsmith, responded "Aye" during a roll vote. The motion carried.

Mr. Streicher provided a brief background on the project noting that in 2019/2020, GWA performed televised inspections of all the interceptor sewers and manholes; and in 2021 GWA sent out a request for proposal to have someone compile all of the inspection data, formulate, evaluate and perform some preliminary engineering to develop a rehabilitation plan on the interceptors and manholes, as to the best of his knowledge, no extensive rehabilitation had ever been done in the 40-50 years that lines have been in use.

Mr. Streicher advised that RJN won the award and after completing their evaluations and preliminary engineering, they came up with several different outcomes. Mr. Streicher explained that what staff had originally requested was a multi-phase, three-year rehabilitation plan, as GWA had budgeted \$350,000 per year for collection system rehabilitation, with the idea was to phase the work over several years. Mr. Streicher noted that RJN came back with an alternative proposal of a two-year plan, basically taking years two and three and condensing them into a single year to benefit from economy of scale. Mr. Streicher added that while the project would exceed the \$350,000 budget in year two, the third year's allocation would be removed from that year's budget. Mr. Streicher explained the work RJN is recommending includes lining the interceptor pipes between the St. Charles Road Lift Station and the Combined Sewer Outfall plant. The pipes being rehabilitated are downstream of the force main discharge, and are highly susceptible to hydrogen sulfide corrosion, as was evident during televising. The manholes are also being recommended for rehabilitation during the proposed project. Mr. Streicher continued by noting that sediment build up was noted in the lines that run under 355, with the solution being to jet or clean the lines. Mr. Streicher stated that GWA is requesting a contract be awarded to RJN for final design, assistance with bidding and construction services with the final design taking place in late 2022 and construction in 2023 and 2024, in the amount \$155,000.

Mr. Franz asked if the total project price was \$155,000. Mr. Streicher explained that the amount is just for RJN services and the construction contracts will be brought to the EOC Committee separate for approval as they will be publicly bid.

Trustee Christiansen asked if those contracts will make up the difference between the \$155,000 and the \$350,000. Mr. Streicher explained that the \$155,000 is strictly for engineering services and the \$350,000 will be actual construction, and that the engineering amount was.

8. Request for Approval for Remote Site Telemetry Upgrade

From inception of the Supervisory Control and Data Acquisition System (SCADA) at the Authority in the late nineties, until mid-2014 we had relied on "Leased Line" (copper twisted pairs) technology from AT&T to communicate with our remote sites. We rely heavily on this communication as it affords the Authority the continued ability to control, monitor, and respond to operational conditions at our remote Lift Stations, CSO Facility, and Interceptor Systems un-manned.

The cellular hardware located at each of the nine remote sites is now at end of life, and will no longer be supported after December 31, 2022. With this in mind, the Authority began a dialogue with Concentric Integration in June of 2021, to obtain an upgrade estimate for CY-2022 budget planning.

We are recommending moving forward with this Remote Sites Communication Hardware Upgrade with Concentric Integration in the amount of \$46,470. They are exceptionally qualified with cellular technology and intimate knowledge/understanding of our existing system, and have the complete in-house capabilities to tackle the myriad of technical disciplines required for a project like this; IT, Instrumentation, PLC, SCADA, Security, etc. They also have completed similar installations for Downers Grove Sanitary District and NWJAWA, and the Authority has also had previous success with projects utilizing Concentric Integration as our IT systems and integration technology experts. Based on the Authority's Professional Services SOP, a competitive process was waived due to the prior relationship and continuation of a similar project.

Funds for this project were included in the CY-2022 Budget, Fund 40 Capital Account 40-580180, in the amount of \$40,500. An un-anticipated budgeted shortfall of \$5,970, due to current economic conditions. Adequate funding does exist within this line item to cover the expense.

President Giagnorio motioned and Mr. Goldsmith seconded the motion to award the Remote Site Telemetry Upgrade Project to Concentric Integration, in the amount of \$40,500, to be charged to Capital Fund 40-5801180. President Giagnorio, President Senak, Trustee Bachner, Trustee Christiansen, Mr. Niehaus, Mr. Franz and Mr. Goldsmith responded "Aye" during a roll vote. The motion carried.

Mr. Streicher advised that the Assistant Director, Mr. Henning would be making the presentation as he has experience with this type of project.

Mr. Henning referred to Mr. Freeman's memorandum outlining how GWA switched from copper phone lines some years back to remote site cellular service with Verizon. Mr. Henning noted the routers/modems currently in use have worked terrifically with no connectivity issues; however, the equipment is nearing the end of its useful life at the end of 2022. Mr. Henning continued by stating that, while in many instances, it is not the end of the world, but as connectivity is vital, the new equipment will provide updated antenna technology, as well as merely upgrading the routers/modems. Mr. Henning noted that competitive bidding was waived as Concentric did the original installation work and has the in-depth knowledge regarding GWA's systems to be able to successfully complete the work on time. Mr. Henning added that his previous employer also used Concentric for the same type of project and the results were very satisfying.

President Senak asked for a brief explanation as to why competitive bidding was waived. Mr. Henning explained that the since Concentric did all of the initial programming and are familiar with all the "ins and outs" of the pathways of the routers, to have someone

else come on board would require them to learn the “routes and rules” associated with the pathways to insure the security between Verizon and GWA, and this might take an additional amount of money and/or time than what GWA budgeted for; as well as, GWA having a very good working relationship with Concentric as they have provided a majority of our out-sourced IT work in the past. Mr. Senak asked if this plan would save money over the course of the project. Mr. Henning stated that if GWA went out to bid, then the costs would be increased as a new vendor would have to spend the time learning the various integration programming that is unique to GWA, and would therefore cost more money.

Mr. Streicher noted that this project could also viewed as professional services and if the project was sent out to bid, the lowest bidder may not be the best qualified to complete the project properly or in the needed timeline.

Trustee Christiansen asked why the system is not being upgraded to 5G. Mr. Henning explained that the equipment will have modules to allow for upgrades to 5G if needed; however, right now, 5G is not as widely available in the suburbs and, in all honesty, there is no benefit to the SCADA connectivity to use 5G at this time. Mr. Henning added that in future years, if the need arises, the system could be upgraded to 5G with only incurring the costs for the upgrade.

Mr. Streicher asked if there was an end-of-life date for 4G. Mr. Henning stated that to his knowledge no date has been outlined.

9.0 2022 Roof Rehabilitation Project Request for Approval

In 2017, GWA sought an evaluation of all the roofing systems on plant grounds and lift stations. Many of the roofs are original to the late 1970's and far past their useful life. While some of the roofs are still in decent condition, many are already failing, or on the verge of failing. GWA took the 2017 evaluation and developed an annual roof rehabilitation program over the next 15 years in effort to spread out the costs of rehabilitating every Authority roof asset.

The roof rehabilitation plan for 2022 is to replace the roofs of Buildings A (Bar Screen), J (Pump and Meter), and N (Warehouse) at the main facility, and Building C (Tin Shed) at the Combined Sewer Outfall facility.

In July Authority staff and the roofing consultant, Arcon, developed and sent out a public request for qualifications and proposals for the rehabilitation project. The bid opening was scheduled for August 17th, at 2:00pm. Seven proposals were received, with L. Marshall, Inc. being the low bid. The bids ranged from the low of \$242,000 to the high of \$364,000 (bid tabulation attached).

Arcon, having experience with most of the companies that submitted bids, has provided a letter of recommendation for accepting the low bid of \$242,000 submitted by L. Marshall Inc.

The Authority has an approved budget for roof rehabilitation in 2022 of \$209,000 out of Fund 40 Capital Improvement Projects. The recommended bid of \$242,000 is in excess of the budgeted amount, however, the authority is still seeking to approve the L. Marshall Inc bid since the roofs are in need of significant repair, a safety measure is also being addressed in Building A with this project, and the extra \$33k can be absorbed into our capital reserve/cash on hand.

Therefore, after discussion with the TAC, it is recommended the EOC authorize the Authority to award L. Marshall, Inc. the 2022 Building Roof Rehabilitation project in not to exceed amount of \$242,000. If approved, this amount will be taken out of the CY2022 Approved Budget, Fund 40-580180 Capital Improvements Projects.

President Giagnorio motioned and Trustee Christiansen seconded the motion to authorize the Authority to award L. Marshall, Inc. the 2022 Building Roof Rehabilitation project in a not to exceed amount of \$242,000 with funds being allocated from the CY2022 Approved Budget, Fund 40-580180, Capital Improvements Projects. President Giagnorio, President Senak, Trustee Bachner, Trustee Christiansen, Mr. Franz, Mr. Niehaus and Mr. Goldsmith responded “Aye” during a roll vote. The motion carried.

Mr. Streicher noted that this project is related to a roof replacement plan GWA established some years ago, and will involve a total of four (4) buildings; three (3) at the main plant and one (1) at the CSO facility in Lombard. Mr. Streicher stated that the project was put out to bid and while the bid did come in higher than expected, he noted that the budget number was estimated pre-COVID, but the Capital budget can easily absorb this overage.

Mr. Niehaus noted that the bidding seemed close when comparing the two lowest bidders, which is an indicator that the bidding was competitive.

President Senak asked if GWA was familiar with this group because a previously stated concern over a “mom and pop” low bidding and then not being able to perform the work. Mr. Streicher advised that the company has not done business here and Arcon was a little concerned as they are working them on another project and things have not been going smoothly; however, Arcon did not feel it was enough of a concern to not recommend them for the work. Mr. Streicher noted that the representative from Arcon advised him that he had a discussion with the owners of L Marshall and gave them a stern warning to perform as promised or Arcon will stop recommending them for jobs.

10.0 Discussion

10.1 Capital Improvement Projects Update

Mr. Streicher noted that this section may diminish or go away in the future as GWA does not intend to have multiple major capital projects going at the same time again.

Medium Voltage Electrical Grid Project

Mr. Streicher advised that this project is complete and final completion has been issued. Mr. Streicher noted that there were some items that were re-categorized as warranty items as the items were delayed due to supply chain issues. Broadway is scheduled to come back in October to complete these items.

Biosolids Dewatering Improvement Project

Mr. Streicher advised that this project is also complete and final completion has been issued. Mr. Streicher noted that the project came in under the contract price by approximately \$11,000. Mr. Streicher added that this project was an IEPA Loan project with a 1.35% interest rate with the first payment being due in October with a 20-year repayment, which has been accounted for in future budgets.

Primary Clarifier/Gravity Thickener Improvements

Mr. Streicher noted that this project was originally intended to be out to bid over the summer; however, GWA had originally received tentative IEPA loan approval for this project, but staff learned that the project was bumped from the intended funding list to a bypass funding list; which means GWA must wait until next calendar year to receive funding. Mr. Streicher added that while there is the small chance that the funds would no longer be available at that time, and GWA could risk not receiving final approval, the chances of this are rare. Mr. Streicher noted that this gives GWA time to review costs more closely as there have been some significant price changes. Mr. Streicher explained that at a recent meeting, one of the vendors presented revised costs that were drastically higher; and since this project was planned and budgeted five years ago as per the facility plan at that time, it is not surprising based on current experiences material price escalations, supply chain and schedules, etc. Mr. Streicher added that this has given staff a chance during this design phase, to look at design alternates; for example, the specifications call for stainless steel, the bid documents will include pricing for alternate options of galvanized or painted steel. Mr. Streicher explained that alternative options will be requested for several other items in an effort to compare the pricing options and determine the best value on those items in an effort to lower the price closer to the \$4 million dollars budget; however, he did increase the budget for the project in CY 2023 budget to \$6 million dollars, just to be conservative. Mr. Streicher noted that the plan is to put the project out to bid in early CY2023.

Mr. Franz compliment GWA staff for successful completion of the electrical grid project, as it was a project that was long overdue and brings peace of

mind that the plant will not experience the type of failures it had in recent years.

10.2 CY2023 Draft Budget

Proposed 3.6% increase (\$299,412) in overall operations, maintenance, and capital budget for CY2023 as broken down in the enclosed memo.

Mr. Streicher expressed his appreciation to the Technical Advisory Committee, the Finance Directors of both Villages and GWA staff for their assistance in developing a draft that is 99% of the way complete. Mr. Streicher highlighted some key points of the budget starting with revenue:

-Leachate Revenue - leachate revenue has seen a substantial reduction, and will likely go away completely, as Waste Management is in the process of constructing a direct force main to pipe this product from their Green Valley site in Woodridge to the nearby DuPage County wastewater treatment plant and there are plans to do the same to a plant in Geneva. This will result in a loss of approximately \$120,000 in revenue

-FOG revenue – there has been a steady increase in this revenue stream, thanks to the diligence of Ashley Staat, Environmental Resources Coordinator, in recruiting haulers and ensuring the products being delivered are safe for GWA's process.

-Village of Lombard Connection fees – the estimated fees were increased substantially as the Village has been experiencing growth in the past years and anticipates this trend to continue in the future.

-Capital Contributions by both Villages – Mr. Streicher noted that historically and when looking back at historical data, the contribution amount would jump from as low as 3% to 7% or 11% and back to 3% year to year, and in an effort to level out the rate, three (3) or four (4) years ago, it was decided to set a rate of 1% for the foreseeable future, which had the budget deficit pretty far out; however, with material prices and project price increases, as well as the loss of revenues, we are seeing the deficit creep a little closer. Mr. Streicher continued by stating that in past years, he has recommended a steady increase of either a 1.25% or 1.5% to help avert any sudden large percentage increase, for example 20% increase for two years starting in 2028 to help cover the cost of a large project in 2030. Mr. Streicher indicated that this is something to keep in mind and has been discussed with both Villages' Finance Directors and right now the deficit is far enough out that it will not make a huge impact from year to year, but the closer the time gets to the big projects, the more of an impact it will make.

President Senak asked in what year does Mr. Streicher recommend the gradual increase in the contribution amount. Mr. Streicher advised that he had been recommending it every year since he became Executive Director. Mr. Goldsmith noted give (5) years ago is when Mr. Streicher began suggesting the increase.

President Senak asked when exactly should the increase begin. Mr. Streicher stated that he has recommended the increase every year as he is quite a bit conservative with the budget, compared to coming from a Sanitary District where they would look twenty years out. Mr. Streicher continued by stating that while talking with Finance Directors, most municipalities focus on five years out, he is looking at 2030 when GWA will be begin design work on the next significant project, which could cost more than \$30 million dollars.

Trustee Christiansen asked what the extra .25% contribution would equate to in dollars. Mr. Streicher advised that he did not have that number immediately available; however, when he entered the 1.25% into the formula in the budget, he does not see a dollar amount, but sees how far out the deficit gets pushed, which when entered the extra .25% for the CY 2023 budget, deficit was pushed out by two (2) years and when he entered the number into the CY2022 budget planning, it had moved the deficit out an additional five (5). Mr. Streicher advised that the closer it gets to the significant project, the less of an impact the additional .25% will have.

Mr. Franz asked Mr. Goldsmith to share the discussions from the TAC on this topic. Mr. Goldsmith stated that philosophically, we want to make sure that there is sufficient revenue coming in to fund the expenditures, and as it has been stated in 2030 there will be a major project, and rather than having to scramble in 2028 or 2029 to try to build up a reserve, he and, he believes Mr. Buckley, both would support a higher contribution rate; however, they are also mindful of the impact it would have on the residents and politically how that could be received. Mr. Goldsmith continued by stating that in looking at 2030, when we see us falling into a deficit position; while it is many years away and things are fluid, feels that right now, with the market the way it is, feels it is more important to start budgeting for a higher rate now, as he does not foresee prices coming down soon and states this is a new reality that we are living in.

Trustee Christiansen stated she would favor the 1.25% sooner rather than later and that the residents could tolerate smaller increases over a period of time and would respond negatively to a larger increase closer to the 2030 project date. Mr. Franz noted that GWA has done a tremendous job of keeping the O&M side flat as well, and feels an increase is justifiable and would not be opposed to going higher.

Mr. Streicher noted that for the CY2022 the increase in the contribution at 1% for Glen Ellyn equaled a \$5,200 increase each year and Lombard's is \$32,000 each year; at a 1.25% Glen Ellyn's contribution would increase by approximately \$2,000 and Lombard's would go up by approximately, \$5,000. Mr. Niehaus stated he would support an increase to 1.25% as well as an annual review or would the recommendation be to keep it at 1.25% each year moving forward. Mr. Streicher indicated that he would recommend keeping it at 1.25% annually just to be safe and noted that one thing to keep in mind is that not every project that is planned for in the Capital budget comes to fruition, as somethings are easily deferred such as rolling stock. Mr. Streicher noted that the rolling stock budget for 2022 may be deferred as vehicles are unavailable; therefore, his goal would be to keep the 1.25% increase static for future budgets. Mr. Niehaus stated he could support the increase to 1.25%, as well as keeping the increase static in the future.

Mr. Niehaus noted that upon reviewing the increase to the O&M fund, salaries went down as the IMRF contribution was reduced, and the overall increase is 5.6% which is below CPI, but there are two (2) large drivers, electrical up by \$100,000 and the chemical increase for sodium hypochlorite by \$46,000, which makes up 55% of the overall increase, and if these items were deleted, the over increase for the O&M budget would be 2.1% in comparison to CPI, which is trending at 6%, it all demonstrates that GWA is being very conservative.

Mr. Streicher stated he would amend the draft budget to reflect the increase in the Capital contributions to 1.25% and will present the final budget for approval.

Mr. Streicher highlighted some smaller capital projects and the major project being the primary clarifier rehabilitation. Mr. Streicher also pointed out a discrepancy between the Capital project list and the summary notes where in the notes state a \$4 million dollar loan for the Clarifier Rehabilitation project and the Capital sheet indicates \$6 million dollar loan; the \$6 million dollar figure is correct.

Mr. Franz asked how often the GWA facility plan is done and when is it due next. Mr. Streicher advised every five (5) years and is scheduled for 2024. Mr. Franz asked if it would be wise to bump having this done up by a year, so that GWA can get a better handle on projects and costs, for more efficient planning. Mr. Streicher noted there had been discussions to have an update to the existing plan completed for that purpose.

Mr. Streicher highlighted items on the O&M side, namely electrical expense which was increased by \$100,000 on the recommendations of the Finance Directors to go with historical data, as he had been over ambitious in getting the CHP system up and running, in trying to reach net zero, so the recommendation was made to reflect actual usage. Mr. Streicher noted that chlorine is facing a nationwide supply shortage, which it is anticipated will not be resolved for several years and thus the increase in costs reflect this.

Mr. Streicher also highlighted an increase to the Pretreatment account by \$46,000 and noted that this is for a study that needs to be completed as part of GWA's NPDES permit requirement and will be a one and done unless needed in a future next permit cycle.

Mr. Streicher added that he had been waiting for the fire alarm system and telephone system service contract pricing to come in so he could include more accurate numbers in the budget, which arrived a day after the packet was distributed, and as a result, there will be a reduction in those line items by a total of \$8,000 on the O&M side as well; resulting in the overall increase going from 3.6% to 3.5%.

Mr. Niehaus recommended that Mr. Streicher stress the items that are contributing to the O&M increase along with the comparison to the CPI during the November Full Board meeting so all of the Board Members have a clear understanding of what is driving the increase and how GWA strives to keep the overall increases to a minimum. Mr. Franz suggested showing a five -year history for both O&M and Capital so the Full Board Members have a clear visual.

Mr. Franz asked if approval for the draft budget was needed. Mr. Streicher noted that as there are revisions, approval will need to be at a later date.

Mr. Senak noted that the EOC Committee is in agreement with draft budget and pending changes. Mr. Streicher stated that an official Recommendation from the EOC Committee to the Full Board to approve the CY023 budget. is needed.

Mr. Niehaus suggested a brief 10-minute EOC Committee meeting to approve the Recommendation, 10 days before the Full Board meeting so it can be documented that the EOC Committee voted on a specific date and not immediately before the Full Board meeting.

Mr. Niehaus asked if the new attorney was working out for GWA. Mr. Streicher noted that they are working well and have only been utilized them for some minor issues.

Mr. Streicher noted that there is one item that has yet to go before the TAC, namely the fire system support contract which is a five (5) agreement for an accumulative amount of \$60,000, that will need EOC approval, but rather than call a meeting just for this item, he may do a phone or email poll for approval with details of the TAC discussion to be presented at that time.

Trustee Christiansen asked how the proposed contract amount compared to the current contract. Mr. Freeman indicated the amount is comparable. Mr. Streicher noted that due to supply chain issues and the fact that the equipment has not yet been installed, the first year of the agreement will be lower and as the system ages, the cost will increase each year.

11.0 Other Business

11.1 Technical Advisory Committee Update

12.0 ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, October 13, 2022 at 8:00 a.m.***

Mr. Streicher noted that as the budget approval and the Fire Alarm System service contract are the only items requiring the EOC Committee's attention, he may use a phone or email to grant approval of these items versus calling an in-person meeting for such a brief meeting.

Mr. Franz mentioned setting a date for the Annual Full Board meeting. Mr. Streicher followed up noting that it will be the Village of Lombard's turn to host. Mr. Niehaus noted that the Village of Lombard meetings on the 1st and 3rd Thursday at 6:00 p.m., so he recommends a starting time of 5:00 p.m. Mr. Franz suggested November 3rd for the date.

Mr. Franz made the motion to adjourn the September 8, 2022 EOC Committee meeting and President Giagnorio seconded the MOTION. President Giagnorio, President Senak, Trustee Bachner, Trustee Christiansen, Mr. Franz, Mr. Niehaus and Mr. Goldsmith responded "Aye" during a roll call. The motion carried. The meeting adjourned at 9:25 a.m.

Submitted by:

Gayle A. Lendabarker
GWA Executive Assistant

SECTION 5.2

VOUCHER REPORTS

SEPTEMBER 2022

GLENBARD WASTEWATER AUTHORITY
APPROVAL OF VOUCHERS
For the meeting in October 2022

EXPENDITURES:	Check Date	Paid Amount	
Accounts Payable Warrant 0922-1	9/15/2022	\$ 187,826.04	
Accounts Payable Warrant 0922-2	9/30/2022	\$ 840,747.30	
		<u>\$ 1,028,573.34</u>	<u>\$ 1,028,573.34</u>

PAYROLL EXPENDITURES:	September 9, 2022	September 23, 2022	October 7, 2022	
Net Employee Payroll Checks	<u>\$ 38,400.84</u>	<u>\$ 38,525.59</u>	<u>\$ 39,957.56</u>	
<u>Employee & Employer Payroll Deductions:</u>				
Employee Deductions*	\$ 19,996.99	\$ 20,287.00	\$ 21,050.06	
IMRF - Employer contribution	\$ 3,739.83	\$ 3,765.49	\$ 3,918.95	
Social Security/Medicare Tax Withheld - Employer portion	\$ 4,254.81	\$ 4,301.86	\$ 4,459.78	
Total Payroll	<u><u>\$ 66,392.47</u></u>	<u><u>\$ 66,879.94</u></u>	<u><u>\$ 69,386.35</u></u>	<u><u>\$ 202,658.76</u></u>
			GRAND TOTAL	<u><u>\$ 1,231,232.10</u></u>

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
37 CDW GOVERNMENT, INC.										
25924		08/31/2022		0922-1	961064	157.30	09/15/2022	INV	PD	#4019735-SMART SCREEN PAR
25925		09/01/2022		0922-1	961064	4,946.76	09/15/2022	INV	PD	#4019735-MS OFFICE SOFTWA
25983		09/06/2022		0922-2	961101	150.68	09/15/2022	INV	PD	#4019735-IT PARTS - SEP 2
26034		09/14/2022		0922-2	961101	148.82	09/30/2022	INV	PD	#4019735-COMPUTER SUPPLII
						5,403.56				
47 CINTAS CORPORATION #769										
25984		09/06/2022		0922-2	961102	174.87	09/15/2022	INV	PD	#14944758-MAINT SHOP TOWE
50 COMMONWEALTH EDISON COMPANY										
25988		09/09/2022		0922-2	961104	13.67	09/15/2022	INV	PD	#6243526021-SUNNYBROOK EL
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC										
25959		07/28/2022		0922-1	961071	152.76	09/15/2022	INV	PD	#81393-01-ELECTRICAL PART
25960		08/03/2022		0922-1	961071	6,393.84	09/15/2022	INV	PD	#81393-01-RVSS PUMP FOR S
25962		08/15/2022		0922-1	961071	194.82	09/15/2022	INV	PD	#81393-01-ELECTRICAL PART
25961		08/15/2022		0922-1	961071	123.10	09/15/2022	INV	PD	#81393-01-ELELTRICAL PART
25963		08/16/2022		0922-1	961071	124.70	09/15/2022	INV	PD	#81393-01-ELECTRICAL PART
						6,989.22				
97 FIRST ENVIRONMENTAL LABORATORIES, INC.										
25931		08/26/2022		0922-1	961072	304.80	09/15/2022	INV	PD	LAB SERVICES - AUG 2022
25930		08/26/2022		0922-1	961072	405.60	09/15/2022	INV	PD	LAB SERVICES AUG 2022
26036		09/22/2022		0922-2	961107	117.60	09/30/2022	INV	PD	LAB SERVICES - SEP 2022
26035		09/22/2022		0922-2	961107	604.80	09/30/2022	INV	PD	LAB SERVICES - SEP 2022
26074		09/23/2022		0922-2	961107	527.40	09/30/2022	INV	PD	GLENBD-LAB SERVICES SEP 2
26075		09/23/2022		0922-2	961107	378.00	09/30/2022	INV	PD	GLENBD-LAB SERVICES - SEP
26076		09/23/2022		0922-2	961107	378.00	09/30/2022	INV	PD	GLENBD-LAB SERVICES - SEP
26073		09/25/2022		0922-2	961107	336.00	09/30/2022	INV	PD	GLENBD-LAB SERVICES - SEP
						3,052.20				
107 GASVODA & ASSOCIATES, INC.										
26081		09/23/2022		0922-2	961108	913.33	09/30/2022	INV	PD	#GLENBARD1-ELECTRICAL PAR
124 HOME DEPOT USA, INC										
26069		09/22/2022		0922-2	961112	205.90	09/30/2022	INV	PD	#7114-ELECTRICAL SUPPLIES
26068		09/22/2022		0922-2	961112	19.28	09/30/2022	INV	PD	#7114-MAINT SUPPLIES - SE
25943		08/25/2022		0922-1	961076	27.42	09/15/2022	INV	PD	#7114-MAINT SUPPLIES - AU
25942		08/25/2022		0922-1	961076	38.47	09/15/2022	INV	PD	#7114-ELECTRICAL SUPPLIES
26038		09/14/2022		0922-2	961112	89.69	09/30/2022	INV	PD	#7114-ELECTRICAL SUPPLIES
25938		08/31/2022		0922-1	961076	22.07	09/15/2022	INV	PD	#7114-MAINT SUPPLIES- AUG
25939		08/31/2022		0922-1	961076	500.00	09/15/2022	INV	PD	#7114-EQUIPMENT RENTAL DE
25940		08/31/2022		0922-1	961076	-290.70	09/15/2022	CRM	PD	#7114-REFUND OF UNUSED RE
25991		09/08/2022		0922-2	961112	9.35	09/15/2022	INV	PD	#7114-MAINT SUPPLIES - SE
26039		09/15/2022		0922-2	961112	34.75	09/30/2022	INV	PD	#7114-MAINT SUPPLIES - SE
26040		09/15/2022		0922-2	961112	13.83	09/30/2022	INV	PD	#7114-MAINT SUPPLIES

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						670.06				
157 LEN'S ACE HARDWARE, INC.										
25948		08/28/2022		0922-1	961082	14.60	09/15/2022	INV	PD	#331050-OPERATIONS SUPPLI
25949		09/01/2022		0922-1	961082	23.58	09/15/2022	INV	PD	#331050-OPERATIONS SUPPLI
						38.18				
171 MCMASTER-CARR SUPPLY CO.										
25973		08/30/2022		0922-1	961084	144.59	09/15/2022	INV	PD	#7735700-MAINT SUPPLIES -
25972		09/01/2022		0922-1	961084	23.21	09/15/2022	INV	PD	#7735700-MAINT SUPPLIES -
25971		09/01/2022		0922-1	961084	95.67	09/15/2022	INV	PD	#7735700-MAINT SUPPLEIS -
26043		09/09/2022		0922-2	961117	117.60	09/30/2022	INV	PD	#7735700-MAINT TOOLS-SEP
26042		09/15/2022		0922-2	961117	45.90	09/30/2022	INV	PD	#7735700-MAINT SUPPLIES -
						426.97				
185 KONICA MINOLTA BUSINESS SOLUTIONS INC										
25947		08/25/2022		0922-1	961081	68.44	09/15/2022	INV	PD	#146316-COPIER USAGE AUG
199 NEUCO, INC.										
25974		09/02/2022		0922-1	961085	2,101.80	09/15/2022	INV	PD	#GL016-MAINT PARTS - SEP
25975		09/02/2022		0922-1	961085	428.46	09/15/2022	INV	PD	#GL016-MAINT PARTS - SEP
26048		09/15/2022		0922-2	961122	758.58	09/30/2022	INV	PD	#GL016-ELECTRICAL PARTS -
26087		09/23/2022		0922-2	961122	760.49	09/30/2022	INV	PD	#GL016-ELECTRICAL PARTS -
						4,049.33				
209 NCL OF WISCONSIN INC										
26007		08/12/2022		0922-2	961123	681.63	09/15/2022	INV	PD	#17348-DISPOSABLE GLOVES
26049		09/21/2022		0922-2	961123	910.01	09/30/2022	INV	PD	#17348-LAB SUPPLIES-SEP 2
26062		09/22/2022		0922-2	961123	801.96	09/30/2022	INV	PD	#17348-LAB SUPPLIES - SEP
						2,393.60				
226 PORTER PIPE AND SUPPLY CO										
26052		09/14/2022		0922-2	961127	598.00	09/30/2022	INV	PD	#1823-MAINT SUPPLIES - SE
26053		09/15/2022		0922-2	961127	499.01	09/30/2022	INV	PD	#1823-MAINT SUPPLIES - SE
						1,097.01				
236 RAILROAD MANAGEMENT CO.,LLC										
25951		08/23/2022		0922-1	961086	623.67	09/15/2022	INV	PD	#156639-LAND LEASE CSO/RA
237 RANDALL PRESSURE SYSTEMS, INC.										
25994		09/12/2022		0922-2	961128	996.18	09/15/2022	INV	PD	#334020-OPERATIONS SUPPLI
271 TERRACE SUPPLY COMPANY										
25977		08/31/2022		0922-1	961091	63.86	09/15/2022	INV	PD	#315850-MAINT WELDING CYL
25956		09/01/2022		0922-1	961091	305.97	09/15/2022	INV	PD	#315850-MAINT WELDING SUP

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						369.83				
289 HD SUPPLY FACILITIES MAINT LTD										
25957		08/15/2022		0922-1	961094	463.20	09/15/2022	INV	PD	#222656-OPERATIONS SUPPLI
293 VILLAGE OF GLEN ELLYN										
26002		09/01/2022		0922-2	961109	2,918.03	09/15/2022	INV	PD	#610130-WATERSVC - JUL/AU
26001		09/01/2022		0922-2	961109	19.86	09/15/2022	INV	PD	#432720-WATER SVC - JUL/A
10131105		09/15/2022		0922-2	3373	14,861.50	09/30/2022	DIR	PD	MONTHLY IFT TRANSFER
						17,799.39				
295 VILLAGE OF LOMBARD										
25979		09/01/2022		0922-1	961083	449.63	09/15/2022	INV	PD	#30042-001-CSO WATER SVC
25980		09/01/2022		0922-1	961083	15.35	09/15/2022	INV	PD	#31774-001-WATER SVC - JU
						464.98				
297 W.W. GRAINGER, INC.										
25934		08/25/2022		0922-1	961074	1,249.95	09/15/2022	INV	PD	#801764762-MAINT TOOLS -
25935		08/26/2022		0922-1	961074	41.04	09/15/2022	INV	PD	#801764762-MAINT SUPPLIES
25936		08/30/2022		0922-1	961074	238.80	09/15/2022	INV	PD	#801764762-ELECTRICAL TOO
25937		09/01/2022		0922-1	961074	80.06	09/15/2022	INV	PD	#801764762-OPERATIONS PAR
26006		09/12/2022		0922-2	961110	226.02	09/15/2022	INV	PD	#801764762-MAINT PARTS -
26005		09/12/2022		0922-2	961110	1.75	09/15/2022	INV	PD	#801764762-OFFICE SUPPLIE
26066		09/19/2022		0922-2	961110	319.87	09/30/2022	INV	PD	#801764762-MAINT PARTS -
26037		09/19/2022		0922-2	961110	133.14	09/30/2022	INV	PD	#801764762-MAINT SUPPLIES
26085		09/21/2022		0922-2	961110	319.87	09/30/2022	INV	PD	#801764762-MAINT PARTS -
26065		09/21/2022		0922-2	961110	32.53	09/30/2022	INV	PD	#801764762-MAINT PARTS -
26067		09/22/2022		0922-2	961110	248.00	09/30/2022	INV	PD	#801764762-ELECTRICAL PAR
26086		09/26/2022		0922-2	961110	29.08	09/30/2022	INV	PD	#801764762-ELECTRICAL PAR
						2,920.11				
437 MIDWEST POWER VAC, INC.										
26046		09/06/2022		0922-2	961120	4,585.25	09/30/2022	INV	PD	H2S TANK CLEAN OUT- SEP 2
477 UNITED PARCEL SERVICE, INC										
25978		09/03/2022		0922-1	961093	67.58	09/15/2022	INV	PD	#9YF103-SHIPPING SVCS - A
490 COMCAST CABLE COMMUNICATIONS, LLC										
25928		08/25/2022		0922-1	961068	319.07	09/15/2022	INV	PD	#8771200570017919-INTERNE
538 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY										
26061		08/18/2022		0922-2	3374	510,431.67	09/30/2022	DIR	PD	L17-5180 - LOAN PAYMENT #
738 SUBURBAN LABORATORIES, INC.										
25955		08/30/2022		0922-1	961089	1,452.00	09/15/2022	INV	PD	LAB SERVICES - AUG 2022
25954		08/31/2022		0922-1	961089	1,277.75	09/15/2022	INV	PD	LAB SERVICES - AUG 2022

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
26091		09/21/2022		0922-2	961135	721.25	09/30/2022	INV	PD	PROFESSIONAL SERVICES
26082		09/26/2022		0922-2	961135	901.00	09/30/2022	INV	PD	LAB SERVICES - SEP 2022
						4,352.00				
743 GROOT, INC										
25970		09/01/2022		0922-1	961075	428.97	09/15/2022	INV	PD	#310069434-001-REFUSE SVC
759 NORTHERN SAFETY CO., INC.										
26050		09/15/2022		0922-2	961124	586.04	09/30/2022	INV	PD	#10970382-PPE - GLOVES -
768 CINTAS FIRST AID & SAFETY										
25985		09/09/2022		0922-2	961103	1,288.19	09/15/2022	INV	PD	#08436-NEW CO2 EXTINGUISH
25969		09/02/2022		0922-1	961065	288.06	09/15/2022	INV	PD	#10127979-MONTHLY FIRST A
25897		08/24/2022		0922-1	961066	5,398.81	08/30/2022	INV	PD	#8436-ANNUAL FIRE EXTINGU
						6,975.06				
781 SINCLAIR MINERAL & CHEMICAL CO.										
25953		08/24/2022		0922-1	961088	276.43	09/15/2022	INV	PD	MAINT MEDIA BLAST PARTS -
25952		08/26/2022		0922-1	961088	220.00	09/15/2022	INV	PD	MAINT BLASTING MEDIA SUPP
26054		09/14/2022		0922-2	961132	148.80	09/30/2022	INV	PD	BLAST BOOTH REPLACEMENT G
						645.23				
794 HARRIS EQUIPMENT										
25990		08/29/2022		0922-2	961111	67.97	09/15/2022	INV	PD	MAINT PARTS - AUG 2022
859 ANALYTICAL SOLUTION, INC										
25923		08/29/2022		0922-1	961062	625.00	09/15/2022	INV	PD	METHANE GAS TESTING SVC-A
26079		09/25/2022		0922-2	961098	625.00	09/30/2022	INV	PD	GAS TESTING SERVICES - SE
						1,250.00				
881 AIRGAS, INC										
25964	20220004	08/31/2022		0922-1	961061	1,500.00	09/15/2022	INV	PD	LEASE OF ATMOSPHERIC VAPO
26063		08/31/2022		0922-2	961097	371.26	09/30/2022	INV	PD	#2024961-CALIBRATION GAS
25895		08/20/2022		0922-1	961061	8,507.30	08/30/2022	INV	PD	#2024961-LIQUID OXYGEN/TA
25922		08/27/2022		0922-1	961061	8,051.54	09/15/2022	INV	PD	#2024961-LIQUID OXYGEN AU
25966		09/03/2022		0922-1	961061	5,902.04	09/15/2022	INV	PD	#2024961-LIQUID OXYGEN -
25982		09/10/2022		0922-2	961097	7,815.44	09/15/2022	INV	PD	#2024961-LIQUID OXYGEN SE
26064		09/24/2022		0922-2	961097	6,707.45	09/30/2022	INV	PD	#2024961-LIQUID OXYGEN -
25965		09/03/2022		0922-1	961061	87.85	09/15/2022	INV	PD	#2024961-ELECTRICAL CALIB
						38,942.88				
939 STAPLES CONTRACT & COMMERCIAL INC.										
26088		09/23/2022		0922-2	961133	97.99	09/30/2022	INV	PD	DET1680518-STEP STOOL - S
25997		09/06/2022		0922-2	961133	40.97	09/15/2022	INV	PD	DET6180518-OFFICE SUPPLIE
25996		09/08/2022		0922-2	961133	27.98	09/15/2022	INV	PD	DET1680518-OFFICE SUPPLIE
26057		09/12/2022		0922-2	961133	22.98	09/30/2022	INV	PD	DET6180518-LUNCHROOM SUPP
26056		09/12/2022		0922-2	961133	34.79	09/30/2022	INV	PD	DET6180518-OFFICE SUPPLIE

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
26055		09/14/2022		0922-2	961133	24.99	09/30/2022	INV	PD	#DET1680518-OFFICE SUPPLI
						249.70				
										951 NATIONAL ASSOCIATION OF CLEAN WATER AGENCIES
26047		09/13/2022		0922-2	961121	1,000.00	09/30/2022	INV	PD	NACWA ANNUAL MEMBER DUES-
										988 VERIZON WIRELESS SERVICES LLC
26000		09/01/2022		0922-2	961137	249.16	09/15/2022	INV	PD	#842065533-000012-REMOTE
26090		09/18/2022		0922-2	961137	520.82	09/30/2022	INV	PD	#687026363-00001-CELLULAR
						769.98				
										994 DIRECT ENERGY MARKETING, INC.
25901		08/24/2022		0922-1	961070	15,011.62	08/30/2022	INV	PD	#1152328-ELECTRIC USAGE-J
										1001 TROTTER AND ASSOCIATES, INC.
25999	20220005	08/31/2022		0922-2	961136	24,772.47	09/15/2022	INV	PD	ENGINEERING SERVICES 2022
25998		08/31/2022		0922-2	961136	235.00	09/15/2022	INV	PD	CN60P75-PROJECT SVCS - AU
						25,007.47				
										1070 REVERE ELECTRIC SUPPLY
26070		09/07/2022		0922-2	961129	742.81	09/30/2022	INV	PD	#105806-ELECTRICAL PARTS
										1074 UNISON SOLUTIONS, INC.
25876	20220013	08/11/2022		0922-1	961092	57,068.00	08/29/2022	INV	PD	REPLACEMENT CHP MEDIA
										1138 CONSTELLATION ENERGY SERVICES INC
26004		09/12/2022		0922-2	961106	1,779.79	09/15/2022	INV	PD	#BG-11933-NATURAL GAS USA
										1147 ILLINOIS AMERICAN WATER COMPANY
25945		08/25/2022		0922-1	961079	138.73	09/15/2022	INV	PD	#1025220008432566-WATER S
										1166 IDEA MARKETING GROUP, INC
25944		09/01/2022		0922-1	961078	95.00	09/15/2022	INV	PD	MONTHLY WEB HOSTING FEES
										1184 MATTHEW STREICHER
26077		09/23/2022		0922-2	961116	30.00	09/30/2022	INV	PD	IAWA CONFERENCE MEALS STI
										1207 1ST AYD CORPORATION
26032		09/09/2022		0922-2	961096	165.87	09/30/2022	INV	PD	6307901901-MAINT SUPPLIES
										1211 GMC METALS, INC.
26045		09/19/2022		0922-2	961119	163.93	09/30/2022	INV	PD	MAINT METAL STOCK - SEP 2

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1212 RJN GROUP, INC										
25976	20220002	09/06/2022		0922-1	961087	9,649.00	09/15/2022	INV	PD	FLOW MONITORING SERVICES
1218 COLLEY ELEVATOR CO.										
25926		09/01/2022		0922-1	961067	206.00	09/15/2022	INV	PD	#BE0945-MONTHLY ELEVATOR
1223 CAPITAL ONE NATIONAL ASSN										
26044		09/12/2022		0922-2	961118	16.76	09/30/2022	INV	PD	#535690-MAINT SUPPLIES -
1248 CONCENTRIC INTEGRATION										
25929		08/22/2022		0922-1	961069	1,351.02	09/15/2022	INV	PD	PROJ #202166.00-IT SERVIC
1255 HOMESTEAD ELECTRICAL CONTRACTING, LLC										
25864		08/16/2022		0922-1	961077	6,394.00	08/29/2022	INV	PD	JOB#1597-EMERGENCY CHP BR
1268 JP MORGAN CHASE NA										
1906935		09/05/2022		0922-2	3348	597.84	09/30/2022	DIR	PD	POWER WASH STORE - DEODOR
1946646		09/05/2022		0922-2	3350	46.47	09/30/2022	DIR	PD	AMAZON - PELTOR HEADSET R
26029		09/05/2022		0922-2	3372	760.00	09/30/2022	DIR	PD	WEF -TECH REGISTRATION
1946549		09/05/2022		0922-2	3354	20.00	09/30/2022	DIR	PD	CSWEA - EDUCATIONAL SEMIN
26012		09/05/2022		0922-2	3355	20.00	09/30/2022	DIR	PD	CSWEA - EDUCATIONAL SEMIN
26013		09/05/2022		0922-2	3356	17.99	09/30/2022	DIR	PD	UDEMY.COM - WORD PRESS CL
26014		09/05/2022		0922-2	3357	99.00	09/30/2022	DIR	PD	WEF - EDUCATIONAL SEMINAR
26015		09/05/2022		0922-2	3358	21.90	09/30/2022	DIR	PD	AMAZON - HOT WEATHER HYDR
26016		09/05/2022		0922-2	3359	32.99	09/30/2022	DIR	PD	AMAZON - HOT WEATHER HYDR
26017		09/05/2022		0922-2	3360	34.99	09/30/2022	DIR	PD	AMAZON - OTC ALLERGY MEDI
26018		09/05/2022		0922-2	3361	44.99	09/30/2022	DIR	PD	AMAZON - MEDIA STREAMING
26019		09/05/2022		0922-2	3362	36.95	09/30/2022	DIR	PD	JEWEL - BEVERAGES FOR STA
26020		09/05/2022		0922-2	3363	-44.99	09/30/2022	CRM	PD	AMAZON - REFUND FOR RETUR
26021		09/05/2022		0922-2	3364	34.20	09/30/2022	DIR	PD	AMAZON - LOCKERROOM SHOWER
26022		09/05/2022		0922-2	3365	195.36	09/30/2022	DIR	PD	AMAZON - WATER FILTERS FO
26023		09/05/2022		0922-2	3366	20.00	09/30/2022	DIR	PD	CSWEA - SEMINAR REGISTRAT
26024		09/05/2022		0922-2	3367	30.00	09/30/2022	DIR	PD	CSWEA - SEMINAR REGISTRAT
26025		09/05/2022		0922-2	3368	8.90	09/30/2022	DIR	PD	AMAZON - LADIES LOCKERROOM
26026		09/05/2022		0922-2	3369	78.53	09/30/2022	DIR	PD	AT&T - BACKUP INTERNET SE
26027		09/05/2022		0922-2	3370	278.28	09/30/2022	DIR	PD	PANERA - STAFF LUNCHEON/S
26028		09/05/2022		0922-2	3371	117.00	09/30/2022	DIR	PD	TAYST - COFFEE SUPPLIES
253554		09/05/2022		0922-2	3349	108.06	09/30/2022	DIR	PD	APPLIANCEPARTSPROS.COM- P
1946744		09/05/2022		0922-2	3351	5.00	09/30/2022	DIR	PD	FAA - DRONE REGISTRATION
26010		09/05/2022		0922-2	3352	12.74	09/30/2022	DIR	PD	ZOOM - MONTHLY SUBSCRIPTI
26011		09/05/2022		0922-2	3353	29.69	09/30/2022	DIR	PD	KWIK TRIP - FUEL FOR TRIP
						2,605.89				
1271 SYNAGRO-WWT										
25919		08/01/2022		0922-1	961090	19,891.20	08/30/2022	INV	PD	#3430-BIOSOLIDS HAULING -
25981		09/01/2022		0922-1	961090	21,504.00	09/15/2022	INV	PD	#3430-BIOSOLIDS HAULING

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						41,395.20				
1290 AST CONSULTING INC.										
25933		08/30/2022		0922-1	961073	475.00	09/15/2022	INV	PD	FIRE EXTINGUISHER SAFETY
1294 ASHLEY STAAT										
26084		09/22/2022		0922-2	961099	207.50	09/30/2022	INV	PD	IAWA TRAVEL REIMBURSEMENT
1307 CONSERV FS INC										
26080		09/26/2022		0922-2	961105	332.60	09/30/2022	INV	PD	#809450-MAINT SUPPLIES -
1317 VEOLIA WATER TECHNOLOGIES, INC.										
26041		09/16/2022		0922-2	961115	1,416.27	09/30/2022	INV	PD	#1069008-DISC FILTER CLEA
1329 SIMPLYFLY, LLC										
25995		09/02/2022		0922-2	961131	389.61	09/15/2022	INV	PD	BRAGA DRONE CERTIFICATION
1340 PETRARCA, GLEASON, BOYLE & IZZO LLC										
26051		08/31/2022		0922-2	961126	200.00	09/30/2022	INV	PD	#G2700-LEGA SVCS - AUG 20
1344 VEGA BUILDING MAINTENANCE & SUPPLIES INC										
25958	20220001	09/01/2022		0922-1	961095	1,148.00	09/15/2022	INV	PD	JANITORIAL SERVICES
1346 SEBERT LANDSCAPING										
26009	20220006	09/01/2022		0922-2	961130	3,299.00	09/15/2022	INV	PD	LANDSCAPE MAINTENANCE
1349 CAROLLO ENGINEERS, INC										
26033		09/14/2022		0922-2	961100	1,849.50	09/30/2022	INV	PD	PROJ11983A00-UV STUDY SVC
1353 INDEPENDENT MECHANICAL INDUSTRIES, INC.										
26030	20210009	06/30/2022		0922-2	961113	236,390.31	09/16/2022	INV	PD	BIOSOLIDS DEWATERING IMPR
1364 B&B NETWORKS, INC.										
25967		09/02/2022		0922-1	961063	273.00	09/15/2022	INV	PD	#28757-MONTHLY PHONE SUPP
1365 SUBURBAN DRIVELINE INC.										
26089		09/28/2022		0922-2	961134	40.00	09/30/2022	INV	PD	#646 SAFETY LANE INSPECTI
1372 PEERLESS NETWORK, INC.										
26008		09/15/2022		0922-2	961125	310.51	09/15/2022	INV	PD	#1209792-PHONE SVCS - SEP
1382 WATER ONE INC										

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
26003		09/06/2022		0922-2	961138	95.75	09/15/2022	INV	PD	#1029292-BOTTLED WATER SV
26072		09/21/2022		0922-2	961138	29.75	09/30/2022	INV	PD	1029292-BOTTLED WATER SVC
						125.50				
1383 KNOWBE4, INC.										
25946		08/29/2022		0922-1	961080	686.25	09/15/2022	INV	PD	INTERNET SECURITY AWARENE
1385 JEREMY HENNING										
26078		09/23/2022		0922-2	961114	10.00	09/30/2022	INV	PD	IAWA CONFERENCE EXPENSES
						10.00				
166 INVOICES						1,028,573.34				

** END OF REPORT - Generated by Colette Ameche **

SECTION 5.3

FIRE MONITORING SYSTEM ANNUAL SERVICE CONTRACT APPROVAL

MEMORANDUM

TO: Matt Streicher, Executive Director

FROM: Rick Freeman, Electrical Superintendent

DATE: October 27, 2022

RE: **Fire Monitoring System Annual Service Contract**



The Siemens Fire Monitoring System located throughout the Authority's buildings had reached the end of its useful service life, and many parts/repairs became obsolete, and no longer serviceable. This equipment was initially installed via the Bio-Solids Project in 2004, and monitors the Primary Diversion Structure & Scum Building, Sludge Pump & Metering Building, Anaerobic Digester Building, Combined Heat & Power Building, Sludge Dewatering Building, Maintenance Garage, and Administration Building. In June 2022, the Executive Oversight Committee approved the replacement of the system at a cost of \$190,500.

After the system is installed and implemented, a service contract will be necessary in order to complete required testing, routine maintenance, and any corrective maintenance needed on the system. A five-year term was submitted as seen below:

Date Range	Billing Frequency	Annual Price
1/1/2023 – 12/31/2023	Annually	\$7,734.00
1/1/2024 – 12/31/2024	Annually	\$12,107.00
1/1/2025 – 12/31/2025	Annually	\$12,773.00
1/1/2026 – 12/31/2026	Annually	\$13,475.00
1/1/2027 – 12/31/2027	Annually	\$14,216.00
Total:		\$60,305.00

Due the cumulative amount over the five years, the EOC's authorization to approve the contract is required. As this purchase is for a service contract on a proprietary system, the Authority is requesting 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." This item has been discussed with the TAC and all are in agreement.

Therefore, the Authority recommends the EOC authorize the Authority to award Siemens with a notice to proceed in the amount in the amount of \$7,734 for CY2023. This amount is reflected and will be sourced from 2022 GWA Electrical Contractual 270-520981. Future years budgets will be planned for accordingly, and brought forward to the EOC for approval.

PROPOSAL

Glenbard Wastewater 23-27

PREPARED BY

Siemens Industry, Inc.

PREPARED FOR

GLENBARD WASTEWATER AUTHORITY

DELIVERED ON

September 01, 2022

SMART BUILDINGS

Transforming the Everyday



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Contact Information

Proposal #:	7250074
Date:	September 01, 2022

Sales Executive:	Bill Fricke
Branch Address:	585 Slawin Ct Mt Prospect, Illinois 60056
Telephone:	847-373-7515
Email Address:	william.fricke@siemens.com

Customer Contact:	Rick
Customer:	GLENBARD WASTEWATER AUTHORITY
Address:	21W551 BEMIS RD
	GLEN ELLYN IL 60137
Services shall be provided at:	GLENBARD WASTEWATER AUTHORITY
	21W551 BEMIS RD GLEN ELLYN IL 60137

Executive Summary

Customer Needs

The Services proposed in this agreement are specifically designed for GLENBARD WASTEWATER AUTHORITY, and the services provided herein will help you in achieving your facility goals. This is a full test and inspection contract, including full labor and material coverage. Year 1 pricing includes the initial year of warranty covered by the new install contract. This contract is based on the full installation of upgraded panel.

Our Services

Siemens will provide the following services.

Service Description

- Fire Alarm System – Annual Test & Inspection
- Fire Alarm System - Repair & Replacement Services
- Duct Detector – Annual Differential Pressure Testing
- Sprinkler System – Annual Test & Inspection

Siemens Capabilities & Customer Commitment

Siemens Industry, Inc. is a leading single-source provider of cost-effective facility performance solutions for the comfort, life safety, security, energy efficiency and operation of some of the most technically advanced buildings in the world. For more than 150 years, Siemens has built a culture of long-term commitment to customers through innovation and technology. Siemens is a financially strong global organization with a Branch network that delivers personalized service and support to customers in multiple industries and locations.

References are available upon request.

Building Services – Fire

Services that deliver the outcomes you want to achieve.

Services delivered by Siemens have been developed to help you achieve the outcomes you expect.

Fire Safety industry acronyms used in the following service descriptions:

AHJ – Authority Having Jurisdiction

NFPA – National Fire Protection Association

Manage System Operation & Compliance

Fire Alarm System - Repair & Replacement Services

To reduce the unexpected costs of unbudgeted repairs, Siemens will provide the labor and material to repair or replace failed or worn components. Prior to beginning any repair or replacement, Siemens will troubleshoot the system to diagnose your system's problem. Components that are suspected of being faulty may be repaired or replaced in advance to minimize the occurrence of system interruptions. Equipment covered under this agreement is itemized in the List of Maintained Equipment, unless otherwise noted. Items not covered will be brought to the owner's attention.

Fire Alarm System – Annual Test & Inspection

Siemens will perform the required annual test of the fire alarm system using the locally adopted NFPA 72 edition's recommended methods as guidelines. Siemens will provide the necessary documentation to aid in satisfying local code and AHJ requirements. A list of equipment covered, along with test frequencies, can be found in the List of Maintained Equipment section of this Agreement.

Siemens will perform visual inspection and verify proper operation of the following:

- Identify and document conditions that may compromise the electrical components or operation of the system
- Inspect the fire alarm control panel as well as remote panels, if any
 - Check voltage readings, amperage, and battery capacity
 - Check wire terminals for loose connections on batteries
 - Check fuses, LEDs, and lamps
- Test and Inspect initiating devices
 - Verifying that each device is accurately represented on the fire alarm control panel
- Test and Inspect notification appliances
- Test and Inspect the activation of all output relays
- Test and Inspect condition and operability of tamper switches, low pressure alarms, manual pull stations, and flow switches
- Test central station communication of alarms, if monitored
- Inspect and activate outputs which trigger equipment shutdown, HVAC (smoke control), and equipment startup

- Confirm all devices returned to normal operating conditions
- Produce a complete report acknowledging all inspections and tests, identifying any deficiencies, and recommending a course of action that is required until such deficiencies may be remedied

Duct Detector – Annual Differential Pressure Testing

Siemens will perform the annual differential pressure test of the duct detector(s) using the locally adopted NFPA 72 edition's recommended methods as guidelines and manufacturers instructions to aid in ensuring the duct detector(s) will properly sample the airstream in duct. Siemens will provide the necessary documentation to aid in satisfying local code and AHJ requirements. A list of equipment covered, along with test frequencies, can be found in the List of Maintained Equipment section of this Agreement.

Specifically, Siemens will perform the following:

- Use a magnehelic gauge or manometer to test the air sampling tube differential – pressure across the sampling tubes (exhaust and intake)
- Record the measured differential pressure value
- Verify the value is within the manufacturer's specified limits

Emergency Response Times – Fire

Emergency Online/Phone Response

Standard

Monday through Sunday, 24 Hours per Day, System and software troubleshooting and diagnostics will be provided remotely to enable faster response to emergency service requests and to reduce the costs and disruptions of downtime. Siemens will respond within 4 hours, Monday through Sunday, 24 hours per day, excluding Holidays, upon receiving notification of an emergency, as determined by your staff and Siemens. Where applicable, Siemens will furnish and install the necessary online service technology to enable us to remotely access into your system, through a communications protocol (internet connection or dedicated telephone line) that will be provided by the facility. Where remote access is not available to the system, Siemens will provide phone support to your staff to assist in their onsite troubleshooting and diagnosis. If remote diagnostics determine a site visit is required to resolve the problem, a technician can be dispatched. Depending on your contract coverage, the on-site dispatch will be covered or will be a billable service call.

Emergency On-site Response

Premium

Monday through Sunday, 24 hours a day, Emergency Onsite Response will be provided to reduce the costs and disruptions of downtime when an unexpected problem does occur. Siemens will provide this service between scheduled service calls and respond onsite at your facility within 4 hours for emergency conditions, as determined by your staff and Siemens, Monday through Sunday, 24 hours per day, including Holidays, upon receiving notification of an emergency. Non-emergency conditions, as determined by your staff and Siemens, may be incorporated into the next scheduled service call.

Building Services – Sprinkler

Services that deliver the outcomes you want to achieve.

Services delivered by Siemens have been developed to help you achieve the outcomes you expect.

Fire Safety industry acronyms used in the following service descriptions:

AHJ – Authority Having Jurisdiction

NFPA – National Fire Protection Association

Sprinkler System – Annual Test & Inspection

Siemens will perform the annual test and inspection of the fire sprinkler system(s), using the locally adopted NFPA 25 edition's recommended methods as guidelines. Siemens will provide the necessary documentation to aid in satisfying local code and AHJ requirements. A list of equipment covered, along with test frequencies, can be found in the List of Maintained Equipment section of this Agreement.

Specifically, Siemens will perform the following:

Visual Inspection

- Fire sprinkler heads (from floor level)
- Exposed fire sprinkler piping and fittings (from floor level)
- Hangers, bracing and supports of fire sprinkler piping (from floor level)
- Spare fire sprinkler heads, hydraulic name plates and information signs
- Waterflow vane, pressure switch-type devices and water flow mechanical device
- Control valve, valves and associated trim
- Fire department connection
- Gauges (wet systems, dry systems, pre-action systems, deluge systems)
- Pressure reducing valves, master pressure reducing and relief valves

Testing

- Vane and pressure-type water flow devices
- Mechanical water flow devices
- Valve trip test for dry systems, pre-action and deluge systems (Partial Flow)
- Control valve tamper switches, low air device, quick opening device
- Other supervisory switches associated within the fire sprinkler system
- Low/High air pressure switches
- Main drain and to compare to previous tests
- Testing on Back flow preventer (forward flow test if applicable if valves are in place for such)
- Control valves.
- Antifreeze system (on site testing or sample may be sent to lab)
- Air compressors dedicated to water-based fire protection systems
- Automatic air maintenance device (dry system and pre-action systems)
- Priming water level per manufacture instructions (dry system and pre-action systems)
- Pressure reducing valves, master pressure reducing and relief valves by a partial flow test to

adequately move the valve from its seat

Emergency Response Times – Sprinkler

Emergency Online/Phone Response

Billable Service

Online system and software troubleshooting and diagnostics and phone support will not be provided under the coverage of this agreement. Siemens will respond to your request for emergency on-line/phone support, when available, upon receiving notification of an emergency, as determined by your staff and Siemens, but all service performed will be provided as a billable service. If remote diagnostics determine a site visit is required to resolve the problem, a technician can be dispatched. Depending on your contract coverage, the on-site dispatch will be covered or will be a billable service call.

Emergency On-site Response

Billable Service

Emergency Onsite Response is not included within the coverage of this agreement. Siemens will respond to your request for emergency on-site service as soon as staff is available. An emergency is determined by your staff and Siemens. All service performed will be provided as a billable service.

Connectivity and Communications

Siemens Service Portal

The Service Portal complements the personalized services you will receive from your local Siemens office by providing greater visibility into equipment and services delivered by Siemens. This web-based portal allows you the ability to submit service requests, confirm and modify schedules, track repairs, manage agreements, generate reports, and access critical information; then share it across your entire enterprise quickly and efficiently. The Service Portal is a user-friendly way to increase your productivity and the value of your service program.

Data security as a basic requirement

We value confidentiality and long-term partnerships. That is why we give the security of your data the highest priority. Before we implement an enhanced service package with remote support, we conduct an in-depth analysis of the situation, taking into account national and international regulations, technical infrastructures and industry specifics. Our service employees carefully evaluate your needs on an individual basis with a view toward information security.

Service Agreement Contract Characteristics

Description	FIRE	SPRINKLER
Hours of Coverage	24 x 7	No Coverage
Response Times (Phone/Online)	4 Hours	Billable
Response Times (Onsite/Emergency)	4 Hours	Billable
Remote Services	No	No
Third Party Systems	No	Yes
Monitoring	No	No
Additional Labor Discount	0.0%	0.0%

Labor and material discounts are applicable for sites identified in this agreement and are only available for the disciplines included in this agreement. Labor discounts are shown in the table above. Material discounts, when applicable, are as follows:

- Fire: Trade Net pricing as identified in the most recent Field Fire Product Price List
- Sprinkler: Trade Net pricing as identified in the most recent Field Fire Product Price List
- Material discounts do not apply to 3rd party or non-Siemens manufactured components.

Maintained Equipment Table

Fire

Equipment	Service Description	Qty	Frequency	Year	Service Location	Repair Coverage
Addressable Heat Detector	Fire Alarm System – Annual Test & Inspection	10	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	10	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	3	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	3	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	2	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	2	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	18	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	18	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	4	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	4	1	2,3,4,5		Material and Labor
Addressable Pull Station						
	Fire Alarm System – Annual Test & Inspection	4	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	4	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	4	1	1,2,3,4,5	Onsite	

Fire

Equipment	Service Description	Qty	Frequency	Year	Service Location	Repair Coverage
	Fire Alarm System - Repair & Replacement Services	4	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	2	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	2	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	14	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	14	1	2,3,4,5		Material and Labor
Addressable Smoke Detector						
	Fire Alarm System – Annual Test & Inspection	2	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	2	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	4	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	4	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	3	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	3	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	29	1	1,2,3,4,5	Onsite	

Fire

Equipment	Service Description	Qty	Frequency	Year	Service Location	Repair Coverage
	Fire Alarm System - Repair & Replacement Services	29	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	7	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	7	1	2,3,4,5		Material and Labor
Addressable Duct Detector						
	Fire Alarm System – Annual Test & Inspection	2	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	2	1	2,3,4,5		Material and Labor
	Duct Detector – Annual Differential Pressure Testing	2	1	1,2,3,4,5	Onsite	
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	1	1	2,3,4,5		Material and Labor
	Duct Detector – Annual Differential Pressure Testing	1	1	1,2,3,4,5	Onsite	
	Fire Alarm System – Annual Test & Inspection	2	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	2	1	2,3,4,5		Material and Labor
	Duct Detector – Annual Differential Pressure Testing	2	1	1,2,3,4,5	Onsite	
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	

Fire

Equipment	Service Description	Qty	Frequency	Year	Service Location	Repair Coverage
	Fire Alarm System - Repair & Replacement Services	1	1	2,3,4,5		Material and Labor
	Duct Detector – Annual Differential Pressure Testing	1	1	1,2,3,4,5	Onsite	
Strobe						
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	10	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	10	1	2,3,4,5		Material and Labor
Speakers or Horns with Strobes						
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	

Fire

Equipment	Service Description	Qty	Frequency	Year	Service Location	Repair Coverage
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	7	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	7	1	2,3,4,5		Material and Labor
Speakers or Horns						
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	1	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	1	1	2,3,4,5		Material and Labor
Monitor Module Input Point						
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	

Fire

Equipment	Service Description	Qty	Frequency	Year	Service Location	Repair Coverage
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	8	1	2,3,4,5		Material and Labor
	Fire Alarm System – Annual Test & Inspection	8	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	13	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	13	1	2,3,4,5		Material and Labor
User Defined Equipment						
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	
	Fire Alarm System - Repair & Replacement Services	1	1	1,2,3,4,5		Material and Labor

Fire

Equipment	Service Description	Qty	Frequency	Year	Service Location	Repair Coverage
Siemens XLS/Desigo FSM Alarm Panel						
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	N/A
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	N/A
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	N/A
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	N/A
	Fire Alarm System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	N/A

Sprinkler

Equipment	Service Description	Qty	Frequency	Year	Service Location	Repair Coverage
Dry Pipe System						
	Sprinkler System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	N/A
Main Drain						
	Sprinkler System – Annual Test & Inspection	2	1	1,2,3,4,5	Onsite	N/A
Low/High Air Switch						
	Sprinkler System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	N/A
Wet Pipe System						
	Sprinkler System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	N/A
Wet system Industrial Warehouse						
	Sprinkler System – Annual Test & Inspection	1	1	1,2,3,4,5	Onsite	N/A
Electrical Waterflow Switch (Vane-type or Pressure)						
	Sprinkler System – Annual Test & Inspection	3	1	1,2,3,4,5	Onsite	N/A
Tamper Control Valve						
	Sprinkler System – Annual Test & Inspection	4	1	1,2,3,4,5	Onsite	N/A

Service Team

An important benefit of your Service Agreement derives from having the trained building service personnel of Siemens Industry, Inc. familiar with your building systems. Our implementation team of local experts provides thorough, reliable service and scheduling for the support of your system.

Added to the team is a team of building experts at our Digital Service Center. The benefits you receive are less disruption to your employees at the site, less intrusive on the system at peak hours, fewer emissions for trucks rolled, and real time analytics with digital workspace hours.

The following list outlines the service team that will be assigned to the service agreement for your facility

Your Assigned Team of Service Professionals will include:

Sales Executive manages the overall strategic service plan based upon your current and future service requirements.

Remote Services Specialist is responsible for the execution of remote services including proactive planned tasks, in-depth fault analysis and identification of corrective actions.

Client Services Manager is responsible for ensuring that our contractual obligations are delivered, your expectations are being met and you are satisfied with the delivery of our services.

Service Operations Manager is responsible for managing the delivery of your entire support program and service requirements.

Primary Service Specialist is responsible for performing the ongoing service of your system.

Service Coordinator is responsible for scheduling your planned maintenance visits, and handling your emergency situations by taking the appropriate action.

Secondary Service Specialist who will be familiarized with your building systems to provide in-depth backup coverage.

Service Administrator is responsible for all service invoicing including both service agreement and service projects.

Terms and Conditions

Terms and Conditions (Click to download)

[Terms & Conditions](#)

(www.siemens.com/standard-terms-service)

Price Escalation. If, during the term of this Contract, the price of various materials or labor or logistics are increased as reflected by CRU, CMAI, COMEX market indexes or IHS Markit, then Siemens may increase the applicable yearly Investment or apply a surcharge accordingly.

As a result of the global Covid-19 Virus outbreak, temporary delays in delivery, labor or services from Siemens and its sub-suppliers or subcontractors may occur. Among other factors, Siemens' delivery is subject to the correct and punctual supply from sub-suppliers or subcontractors, and Siemens reserves the right to make partial deliveries or modify its labor or services. While Siemens shall make every commercially reasonable effort to meet the delivery or service or completion date mentioned above, such date is subject to change.

Attachment A

Riders (Click on rider below to download)

[SI Fire Life Safety Rider](#)

(www.siemens.com/rider-fls)

[SI Exclusions and Clarifications](#)

(www.siemens.com/rider-clarification)

Agreement Terms for Investments

Services shall be provided at:

21W551 BEMIS RD
GLEN ELLYN, IL 60137

Siemens Industry, Inc. shall provide the services as identified in this Proposal and pursuant to the associated terms and conditions contained within.

Duration (Initial Term and Renewal): This Agreement shall remain in effect for an Initial Term of 5 Periods beginning 2023-01-01. After the expiration of the Initial Term, this Agreement shall automatically renew for successive one year periods. The Investments for each year after the Initial Term of the Agreement and each year of each renewal of this Agreement shall be determined as the immediate prior year's Investment plus an escalator of 5.5% or as allowed per this proposal. In addition, each renewal term pricing shall be adjusted for any additions or deletions to services selected for the renewal term.

Initial Term Investments:

Period	Period Range	Billing Frequency	Annual Price
1	Jan 1,2023 - Dec 31,2023	Annually	\$7,734.00*
2	Jan 1,2024 - Dec 31,2024	Annually	\$12,107.00*
3	Jan 1,2025 - Dec 31,2025	Annually	\$12,773.00*
4	Jan 1,2026 - Dec 31,2026	Annually	\$13,475.00*
5	Jan 1,2027 - Dec 31,2027	Annually	\$14,216.00*

Multi-Period Investment Total	\$60,305.00
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*Amount Due In Advance Based On Billing Frequency

Applicable sales taxes, if included in the investment amount, are estimated only and will be calculated based on local requirements at the time of invoicing. The pricing quoted in this Proposal are firm for 30 days.

Signature Page

The Buyer acknowledges that when accepted by the Buyer as proposed Siemens Industry, Inc., this Proposal and the Standard Terms and Conditions of Sale for Services, (together with any other documents incorporated into the forgoing) shall constitute the entire agreement of the parties with respect to its subject matter.

BY EXECUTION HEREOF, THE SIGNER CERTIFIES THAT (S)HE HAS READ ALL OF THE TERMS AND CONDITIONS AND DOCUMENTS, THAT SIEMENS INDUSTRY, INC. OR ITS REPRESENTATIVES HAVE MADE NO AGREEMENTS OR REPRESENTATIONS EXCEPT AS SET FORTH THEREIN, AND THAT (S)HE IS DULY AUTHORIZED TO EXECUTE THE SIGNATURE PAGE ON BEHALF OF THE BUYER.

Initial Term Investments

Period	Period Range	Billing Frequency	Annual Price
1	Jan 1,2023 - Dec 31,2023	Annually	\$7,734.00*
2	Jan 1,2024 - Dec 31,2024	Annually	\$12,107.00*
3	Jan 1,2025 - Dec 31,2025	Annually	\$12,773.00*
4	Jan 1,2026 - Dec 31,2026	Annually	\$13,475.00*
5	Jan 1,2027 - Dec 31,2027	Annually	\$14,216.00*

Proposed by:

Siemens Industry, Inc.

Company

Bill Fricke

Name

7250074

Proposal #

\$60,305.00

Proposal Amount

September 01, 2022

Date

Accepted by:

GLENBARD WASTEWATER AUTHORITY

Company

Name (Printed)

Signature

Title

Date

Purchase Order # ☐ PO for billing only ☐ PO not required

Appendix A: Siemens Service Portfolio

Advisory and Performance Services



<p>Manage System Operation & Compliance</p> <p>Services that keep systems performing at their best, as designed and intended to operate, help you achieve:</p> <ul style="list-style-type: none"> • Optimized comfort, safety, and security • Fulfilled regulatory requirements • Greater transparency into critical systems • Reduced operating risk <p>Facility Assessment & Planning In-depth building system assessment and recommendations, definition of relevant KPIs, and development of your service program</p> <p>Test & Inspection Regular check-ups to measure system performance compared to your defined facility and regulation requirements and risks</p> <p>Preventive Services Services performed on a regular schedule or based on data analytics to verify and improve system state</p> <p>Documentation Management Management of critical building system and compliance information, with organization and access determined by your needs</p> <p>Corrective Services Immediate response to system failures or faults to restore functionality and integrity to desired state</p>	<p>Optimize Performance & Productivity</p> <p>Enhance building performance with improvement measures that increase productivity and efficiency; common outcomes include:</p> <ul style="list-style-type: none"> • Enhanced system performance • Streamlined operational processes • Improved decision-making through data analytics <p>Optimization Planning Planning and prioritization of improvement measures to increase building and/or process performance and efficiencies</p> <p>Predictive Services Systems are audited and monitored to detect abnormalities or faults, with recommendations provided and/or corrective actions taken</p> <p>System Improvements & Integration Enhancements or additions to your current system to increase staff productivity, system performance, and operational energy efficiencies</p> <p>Training & Operational Support Training, coaching, and on-site support to increase staff productivity and knowledge</p> <p>Managed Services On-site and/or remote resources monitor system events and alarms, and take appropriate action</p>	<p>Protect Lifecycle Investment</p> <p>Leverage past investments and address future requirements with advanced and proven technology, to achieve outcomes such as:</p> <ul style="list-style-type: none"> • Extended system life • Maximized return on investment • Realized benefits of new technology <p>Technology Planning Consulting services identify technology improvement opportunities that help achieve performance goals while leveraging past investments</p> <p>System Updates / Upgrades Software upgrades and firmware updates are provided, delivering the most current technology and functionality</p> <p>System Migration / Modernization Enhancements to your systems by elevating them to the most current hardware and software platforms, resulting in increased functionality and performance levels</p> <p>Retrofits & Extensions Modifications are made to existing systems to accommodate changes to your facility usage and footprint</p> <p>New Installation Services Startup, commissioning, and other installation services are completed to ensure new equipment operates at maximum performance</p>	<p>Enhance Energy Management & Sustainability</p> <p>Increase the value and competitiveness of buildings and infrastructure by delivering solutions that:</p> <ul style="list-style-type: none"> • Conserve energy • Maximize efficiency • Minimize operating costs • Reduce environmental impact <p>Energy & Sustainability Master Planning Strategy and planning services provide a detailed master plan to provide budget transparency, enable improved performance and sustainability, reduce energy consumption, and minimize operational costs</p> <p>Energy Conservation Implementing energy conservation strategies reduces total carbon emissions through efficiency measures and minimizes energy spend by optimizing consumption</p> <p>Energy Production & Storage Using innovative design and simulation tools, energy production and storage solutions improve energy efficiency, energy availability, security of supply, and carbon reduction</p> <p>Energy Procurement With advanced procurement technologies and beneficial contract terms, these tailored procurement and supply services reduce costs, reduce risks, and create certainty</p>
Digital Services			

SECTION 6.0

GWA CY2023 BUDGET – REQUEST FOR RECOMMENDATION FOR APPROVAL TO GWA FULL BOARD

MEMORANDUM

TO: Executive Oversight Committee

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

DATE: October 27, 2022

RE: Final Draft CY2023 Budget



After the presentation of the first draft of the CY2023 budget to the Executive Oversight Committee at the September 8, 2022 EOC meeting, comments were received and the budget was modified to reflect those changes, and further updates have also been inserted into the draft budget that were not available at that time. Below summarizes the changes that were made to the draft since the last revision.

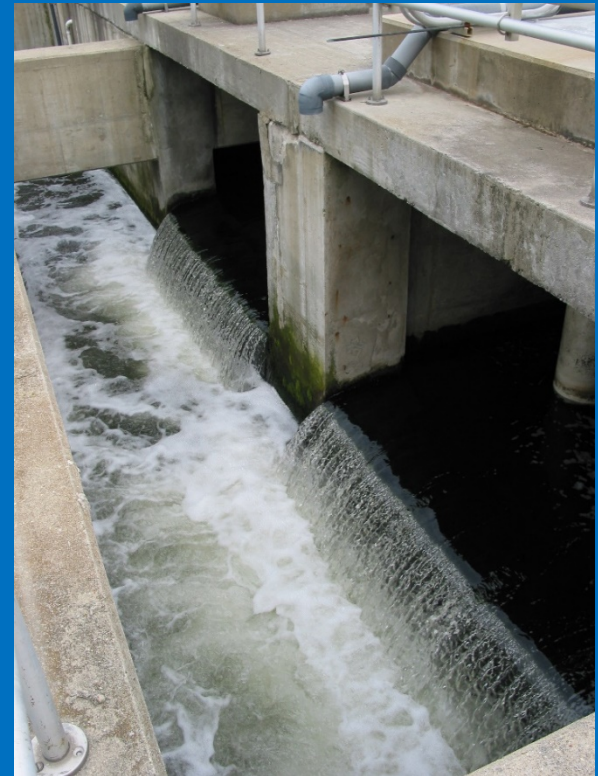
Capital Fund 40

- After discussion in regards to planning for future projects coupled with an increase in trends in project costs, the EOC recommended increasing the annual contribution increase from 1% to 1.25%. This resulted in a \$37,001 (1.8%) increase in Capital Contributions for the Village of Lombard, where it had previously been \$31,903 (1.6%), and a \$9,427 (0.6%) increase in Capital Contributions for the Village of Glen Ellyn, where it had previously been \$5,239 (0.3%)

Operations & Maintenance 270

- Final pricing for the Annual Fire System Service Contract were obtained at a cost of \$7,734.00. The previous draft showed a cost of \$7,112.00
- Final pricing for the Linko Annual Software License Fee, the software used in GWA's pretreatment program, increased from \$4,285 to \$4,500.
- The overhead fees assessed by the Village of Glen Ellyn decreased from using the CPI-U Chicago increase of 6.6%, for a cost of \$148,428, to use a 4.5% increase at a cost of \$148,504

The budget has an O&M increase of 5.4% (\$251,768), whereas the first draft reflected an O&M increase of 5.6% (\$262,270). The first draft of the budget's overall increase including capital was 3.6% or \$299,412 over the CY2022 budget, however, the final draft reflects an overall 3.6% increase, or \$298,195 over the CY2022 budget. It is requested that the EOC motion to authorize approval of the CY2023 GWA Budget to the Full Boards of Glen Ellyn and Lombard.



**Glenbard
Wastewater
Authority
CY2023 Budget**



November 3, 2022

President Mark Senak and
Members of the Glenbard Wastewater Authority Board
Glen Ellyn, Illinois 60137

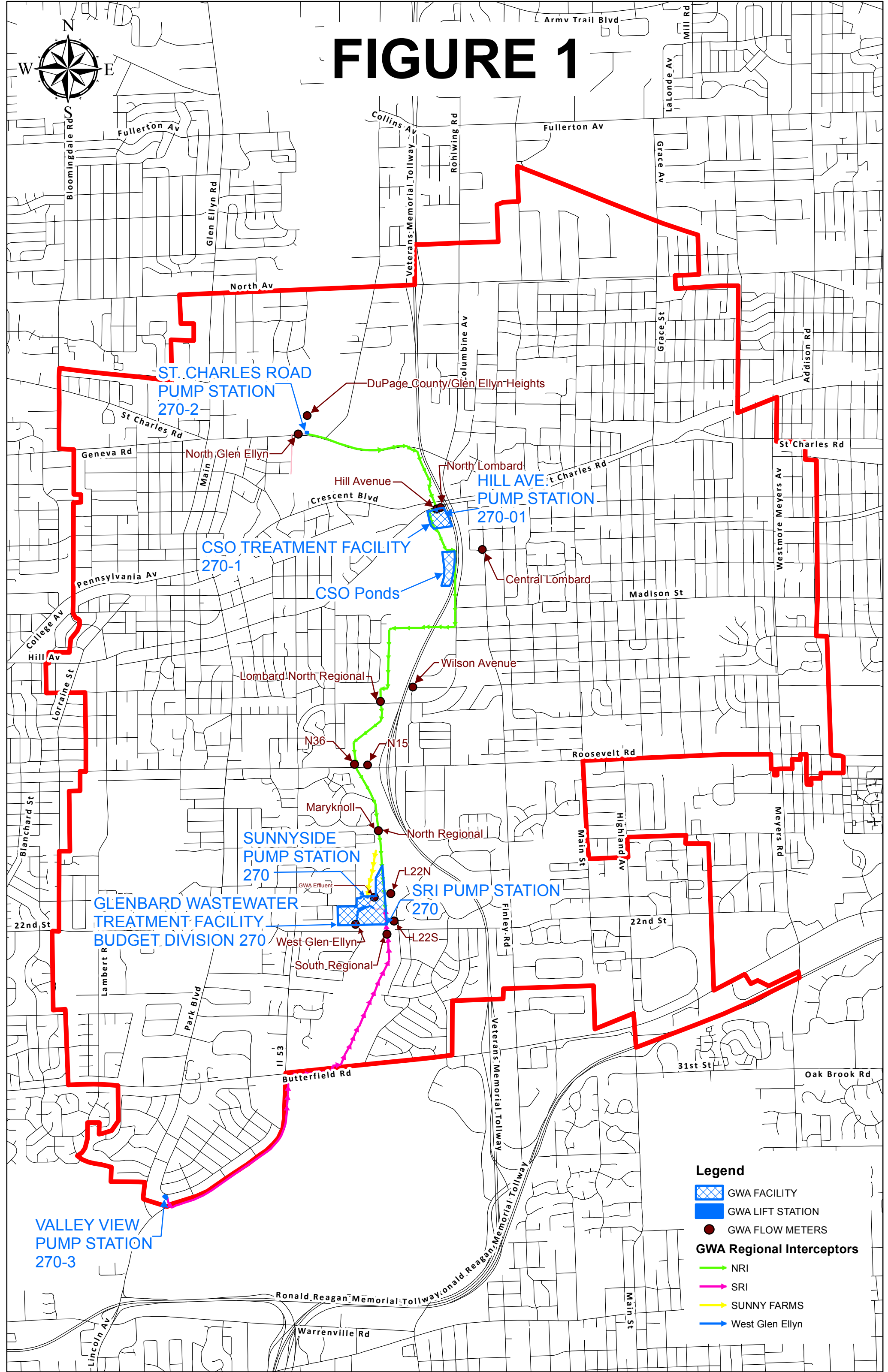
Subject: January 1, 2023 - December 31, 2023 Glenbard Wastewater Authority
Budget (CY2023)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) CY2023 Budget. The Glenbard Team, with the help of the Village Managers, Public Works Directors, and Finance Directors developed the proposed budget that is being recommended for approval to the Glenbard Wastewater Authority Board. The proposed CY2023 partner allocation shows an overall increase of \$298,195, or 3.6%, compared to the approved CY2022 budget. The budget reflects a substantial capital improvement plan with the continuation of projects recommended in the most recent Facility Planning document. The most significant moderate-sized project is the construction of the Primary Clarifier Improvements Project. Smaller projects include equipment rehabilitation and replacement, small capital projects, and minor infrastructure upgrades. The Primary Clarifier Improvements Project construction expenses are scheduled to be offset with a loan through the IEPA Clean Water Initiative at a low interest rate of around 1.35%. The proposed budget includes funding that will assure continued plant operation that exceeds regulatory standards resulting in improved water quality of the East Branch of the DuPage River.

BACKGROUND

REGIONALIZATION -- The Illinois Pollution Control Board required regionalization of wastewater treatment facilities in 1974 by creating Facility Planning Areas (FPA). The Glenbard FPA, Region IV-B, originally contained 14,000 acres or 22 square miles and has been amended several times by Glen Ellyn and Lombard and now appears to contain approximately 14,157 acres or 22 ¼ square miles. Recommendations for FPA amendments are made to the Villages by the EOC and are usually done to add small adjacent areas. On occasion small adjacent areas are lost to other FPA's. As of October 2018, the Glenbard FPA contains a population equivalent (P.E.) of 107,708 which is an increase of 1,056 (P.E.) from October, 2017. The FPA is projected to contain a P.E. of 109,125 when fully developed. Figure 1 shows the FPA map with the individual components of the Authority.

FIGURE 1



Legend

- GWA FACILITY
- GWA LIFT STATION
- GWA FLOW METERS

GWA Regional Interceptors

- NRI
- SRI
- SUNNY FARMS
- West Glen Ellyn

FACILITIES -- The Glenbard Wastewater Authority was created in 1977 by an intergovernmental agreement between the Village of Lombard and the Village of Glen Ellyn for the purpose of jointly constructing and operating advanced wastewater treatment facilities. The new facilities opened in 1982 and operate 24 hours per day 365 days per year.

The major components of the Authority, as depicted in Figure 1, are the 16.02 MGD (Million Gallons per Day) Glenbard Advanced Wastewater Treatment Facilities, the SRI Lift Station, the Sunnyside Lift Station, the 58.0 MGD Stormwater Plant, the Hill Avenue Lift Station, the North Regional Interceptor (NRI), the St. Charles Road Lift Station, the South Regional Interceptor (SRI), and the Valley View Lift Station.

The Glenbard Advanced Wastewater Treatment Facility is designed to provide Wastewater Treatment to an average flow of 16.02 MGD of domestic wastewater utilizing activated sludge with High Pure Oxygen. The plant utilizes a Supervisory Control and Data Acquisition (SCADA) system which enables the plant to run unmanned during off hours.

The Glenbard Wastewater Authority Stormwater Plant is an excess flow treatment plant that accepts combined sanitary and storm sewer from the Village of Lombard.

In addition to receiving flow from Glen Ellyn and Lombard the Authority also treats flow from the Illinois-American Water Company, a private utility company in the Valley View/Butterfield area, and from DuPage County, in the Glen Ellyn Heights area.

COST -- The grant eligible planning, design and construction costs of the new facilities totaled \$42.6 million dollars in 1982. The individual components and costs are the Glenbard Advanced Treatment Facility at \$27.2 million dollars, the Glenbard Wastewater Authority Stormwater Plant at \$5.6 million dollars, the North Regional Interceptor (NRI) at \$7.2 million dollars, and the South Regional Interceptor (SRI) at \$2.6 million dollars. The design grant was applied for in 1974, and the construction grant was awarded in 1977. The United States Environmental Protection Agency (USEPA) contributed \$32.0 million dollars toward construction. Lombard and Glen Ellyn contributed \$10.6 million. Glen Ellyn, as lead agency, was the recipient of the USEPA funds and administered the federal grant application, processing, and close out. The USEPA grant was closed-out in January of 1990.

REGULATION -- The Glenbard Wastewater Treatment Plant treats approximately 3.5 - 5.5 billion gallons of wastewater (depending on the amount of rain) annually which is discharged to the East Branch of the DuPage River. The Illinois Environmental Protection Agency (IEPA), through a National Pollutant Discharge Elimination System (NPDES) permit, regulates the discharge parameters.

AUTHORITY ORGANIZATION

AUTHORITY BOARD - The Board of Trustees from the Villages of Lombard and Glen Ellyn govern the Authority. The primary tasks of the Authority Board are to approve an annual budget and audit. Other major responsibilities are to amend the 2014 Intergovernmental Agreement and pass other resolutions as needed. The Board generally meets once a year.

EXECUTIVE OVERSIGHT COMMITTEE - The Executive Oversight Committee (EOC) was formed in 1984. The EOC is currently composed of the Village Presidents of Lombard and Glen Ellyn, a Trustee from each Village who is appointed by the respective Village President, the Village Managers from Lombard and Glen Ellyn, and the Public Works Director from each village. The EOC meets once a month or when necessary and has the primary responsibilities to set the strategic vision, review and approve all borrowing, contracts and expenditures, recommend FPA amendments, review the audit, and recommend an annual budget.

OPERATING "LEAD" AGENCY - The Village of Glen Ellyn is the operating or "lead" agency for the Authority and provides overall supervision, accounting, personnel, and other management services on a contractual basis for the Authority.

PERSONNEL – The day-to-day operation of the facilities is overseen by the Authority's Executive Director who is appointed and approved by the Executive Oversight Committee. A preliminary budget allotment of 18.75 highly qualified individuals who are employed with the Authority. Seventeen employees work full-time while another seven work part-time. Nine employees are certified by the Illinois Environmental Protection Agency in wastewater treatment operations, and five of those four employees hold Class I certificates, the highest certification possible within the State of Illinois. A Class I certificate holder is required to be employed at the Authority due to the volume of flow and nature of the treatment process.

BUDGET ORGANIZATION

The Authority has adopted a calendar year budget to coincide with a January 1st to December 31st budget year consistent with the lead agency, the Village of Glen Ellyn. Most of the revenues for Authority operations are derived through monthly payments from the two Villages. Additional revenue is realized from connection fees collected on new structures built in the service area, landfill leachate treatment, high strength waste collection, cellular tower land lease agreements and interest income. There are two major funds: Operations and Maintenance (Fund 270) and the Capital Fund (Fund 40).

Div. 270 - Glenbard Plant (SRI Lift Station & Sunnyside Lift Station)
includes:

- 270-1 – Glenbard Stormwater Plant (Hill Avenue Lift Station)
- 270-2 – North Regional Interceptor (St. Charles Lift Station)
- 270-3 – South Regional Interceptor (Valley View Lift Station)

The following is the fund allocation of the Capital fund:

Fund 40 - Equipment Replacement Fund

OPERATION AND MAINTENANCE (O&M) DIVISION

The O&M division records those transactions that are related to the daily operation and maintenance of the Authority. Operations are defined as the control of the treatment processes and equipment that make up the treatment works. This includes personnel management, equipment operation and monitoring, record keeping, laboratory, process control, solids handling, safety and emergency operation planning.

Maintenance is defined as the preservation of functional integrity of equipment and structures. This includes preventive, predictive, and corrective maintenance. The Operations and Maintenance Budget Revenue is allocated to Division 270 with Operations and Maintenance Budget Expenses tracked as follows:

	Estimated CY2022	Proposed CY2023
Division		
270 - Glenbard Plant	\$4,350,233	\$4,670,517
SRI L.S		
Sunnyside L.S		
270-1 - Stormwater Plant	\$ 151,737	\$ 187,918
Hill Ave. L.S		
270-2 - N. Reg. Int.	\$ 32,580	\$ 32,850
St. Charles Rd. L.S		
270-3 - S. Reg. Int.	\$ 24,720	\$ 23,700
Valley View L.S		
	-----	-----
	\$4,559,270	\$4,914,985

Cash Reserves / Working Cash

CY 2022

Cash Reserves at January 1, 2022	<u>1,388,273</u>
CY22 Projected Surplus/(Deficit)	<u>97,414</u>
Projected Cash Reserves at December 31, 2022	<u>1,485,687</u>
Less: Estimated Encumbrances at December 31, 2021	<u>0</u>
Projected Working Cash at December 31, 2022	<u>1,485,687</u>
Less: CY22 Required Minimum Working Cash	<u>(1,165,805) *</u>
Projected Working Cash Surplus at December 31, 2022	<u><u>319,883</u></u>

Cash Reserves / Working Cash

CY 2023

Projected Cash Reserves at December 31, 2022	<u>1,485,687</u>
CY23 Projected Surplus/(Deficit)	<u>0</u>
Projected Cash Reserves at December 31, 2023	<u>1,485,687</u>
Less: Estimated Encumbrances at December 31, 2022	<u>0</u>
Projected Working Cash at December 31, 2023	<u>1,485,687</u>
Less: CY2023 Required Minimum Working Cash	<u>(1,228,746) **</u>
Projected Working Cash Surplus at December 31, 2023	<u><u>256,941</u></u>

* 25% of CY22 Operating Expenses of \$4,663,218

** 25% of CY23 Operating Expenses of \$4,914,985

The seven most significant cost centers in the proposed CY2023 O&M budget are as follows:

1. **Personnel:** The CY2023 proposed GWA team level is at 19.00 full time equivalents (FTE). Personnel costs past years of full-time equivalent staff are shown below. SY14 figures indicate expenses for only 8 months due to transitioning to a calendar year in 2015. The figures are indicative of the efficiencies realized through the elimination of multiple shifts, automation and monitoring, and other optimization measures:

	<u>Budget</u>	<u>Actual</u>	<u>FTE</u>
FY98	\$1,433,080	\$1,212,197	27.5
FY99	\$1,286,970	\$ 981,950	25.0
FY00	\$1,074,863	\$ 837,826	20.0
FY01	\$ 897,041	\$ 720,472	18.3
FY02	\$ 882,500	\$ 806,680	17.9
FY03	\$ 936,000	\$ 919,780	17.0
FY04	\$ 979,600	\$ 974,996	16.8
FY05	\$1,065,500	\$1,120,334	15.9
FY06	\$1,163,100	\$1,127,850	15.9
FY07	\$1,219,100	\$1,140,272	15.9
FY08	\$1,254,550	\$1,112,348	14.9
FY09	\$1,197,300	\$1,102,174	14.3
FY10	\$1,235,100	\$1,188,486	15.8
FY11	\$1,328,200	\$1,308,850	15.8
FY12	\$1,372,900	\$1,314,985	15.8
FY13	\$1,368,150	\$1,306,959	15.8
FY14	\$1,410,000	\$1,373,903	15.8
SY14	\$1,066,800	\$1,012,932	17.8
CY15	\$1,555,700	\$1,545,123	17.8
CY16	\$1,619,400	\$1,570,642	18.8
CY17	\$1,647,000	\$1,583,225	18.8
CY18	\$1,612,000	\$1,583,762	18.8
CY19	\$1,728,690	\$1,700,842	18.8
CY20	\$1,797,543	\$1,738,147	18.75
CY21	\$1,827,670	\$1,808,559	18.75
CY22	\$1,912,464	\$1,648,288	19.00 (Estimated)
CY23	\$1,870,648		19.00 (Budgeted)

2. **O&M:** Expenses are budgeted in the amount of \$905,738. This includes electrical, mechanical, operational, laboratory and administrative operation and maintenance of plant equipment and the maintenance of buildings and grounds. It is imperative that the capital investment that the Villages have made in their wastewater facility be operated and maintained appropriately. These funds, coupled with

those in Fund 40 allocated to Plant Equipment Rehabilitation, provide an excellent plan to operate and maintain the Glenbard Plant process equipment. Maintenance funds cover both routine and non-routine repairs.

3. **Utilities:** Electric power, natural gas, water, and telecommunications comprise Utilities, the third largest cost center in the O&M budget. The sum of these utility costs is shown below. The largest component of the utility bill is electrical power used for pumping systems, mixing, and various in-plant processes.

	<u>Actual</u>	
FY05	\$606,375	
FY06	\$588,400	
FY07	\$693,128	
FY08	\$1,194,869	
FY09	\$769,137	
FY10	\$873,093	
FY11	\$976,915	
FY12	\$1,163,751	
FY13	\$752,600	
FY14	\$799,084	
SY14	\$560,071	(8 Month Budget)
CY15	\$760,826	
CY16	\$1,023,100	
CY17	\$645,708	
CY18	\$672,769	
CY19	\$692,316	
CY20	\$618,717	
CY21	\$610,330	
CY22	\$709,455	(Estimated)
CY23	\$650,400	(Budgeted)

4. **Support Services:** The following are budgeted as support for each of the specific disciplines; Operations, Maintenance, Maintenance Building and Grounds, and Electrical. The CY2023 budget is proposed at a cumulative amount of \$439,056. This includes the cost of specialized support services that are more effectively and/or efficiently purchased or contracted than completed internally. Support Services range from \$200 per year for software support to \$132,000 per year which includes upgraded flow meters, data analysis and meter maintenance fees.
5. **Insurance:** Expenses are budgeted in the amount of \$400,000 for Liability and Health. This number represents all insurance required for the Authority's daily business.
6. **Liquid Oxygen:** The newer process of having liquid oxygen delivered versus producing it onsite provides the Authority with

flexibility to operate the biological process with lower dissolved oxygen levels which translate into saving cost on liquid hauling. The budget amount for this line item is \$335,000.

7. **Fees:** Expenses are budgeted in the amount of \$314,143. Fees include payments for service, memberships, or regulatory fees during CY2023.

CAPITAL FUND

This fund records those transactions that are related to the capital expenditures of the Authority. Capital can be spent on replacing “like for like” equipment at its useful life or for upgrading old processes to new technology.

The revenue for the capital plan is funded via the following components: equipment replacement fund, interest earned in the Capital and O&M funds, sanitary sewer/GWA connection fees paid to both Villages, landfill leachate treatment, cell tower revenues, miscellaneous revenues and borrowing.

	Estimated CY2022	Proposed CY2023
Fund 40 – Equip. Replacement		
Debt Payment	\$ 1,675,583	\$ 1,800,040
Project Expenses	\$ 3,867,377	\$ 9,957,729
Property Acquisition	\$ 0	\$ 550,000
Total	\$5,543,960	\$12,307,769

Proposed CY2023 capital expenses of \$12,307,769 are 122% or \$6,763,809 higher than the CY2022 estimated capital expenses of \$5,543,960. Both the Electrical Grid Rehabilitation Project (~\$4.7M) and the Biosolids Dewatering Improvements Project (~\$2.1M) had work occur in CY2022, but both projects were coming to a close early in the year. Therefore, the increase reflects that no major capital improvements projects occurred during CY2022, whereas the approximately \$6M Primary Clarifier Project is scheduled for CY2023.

ALLOCATION OF EXPENSES

The Villages of Lombard and Glen Ellyn split the expenses for system operation and maintenance according to wastewater flows contributed by each partner based on the previous five (5) year average.

A total of 17 remote meters are located at key points in the Authority’s system to enable the Authority to monitor flows which are allocated for billing purposes between the Villages of Lombard and Glen Ellyn. The Flow Meters also identify the flows associated with non-member entities such as DuPage County located on the North side of the GWA Facility Planning Area, and Illinois American Water Company located on the South side of the GWA Facility Planning Area.

In CY2023 a five-year average flow split of 40.21% (Glen Ellyn) and 59.79% (Lombard) is being utilized to estimate the expense allocations for the Wastewater Treatment Facilities. The true ups during the budget year will adjust the members budgeted portions as the flow splits become actual.

The CY2023 budget is inclusive of O&M Division 270 with expense allocation tracking for all facilities. Glen Ellyn recoups some of their operating costs through billings to DuPage County and Illinois-American Water Company.

The ***Total O&M Budget Allocation*** estimates are as follows:

	Budgeted CY2022	Proposed CY2023
Village of Lombard	\$2,753,309	\$2,932,691
Village of Glen Ellyn	<u>\$1,899,909</u>	<u>\$1,972,295</u>
<i>Total</i>	<i>\$4,653,218</i>	<i>\$4,904,985</i>

The overall O&M contribution by the two Villages has increased by \$251,768 or 5.4% more than the CY2022 budget. The allocation to the Villages for the support of the O&M portion of the budget is \$4,904,985. The allocation to the Villages for support of the proposed Capital Fund is \$3,760,663.

CONCLUSION

The total proposed CY2023 budget and comparisons are as follows:

	Budgeted CY2022	Proposed CY2023
O&M	\$ 4,663,218	\$ 4,914,985
Capital	<u>\$ 7,820,119</u>	<u>\$ 12,307,769</u>
Total	\$12,483,337	\$ 17,222,754

Respectfully Submitted,



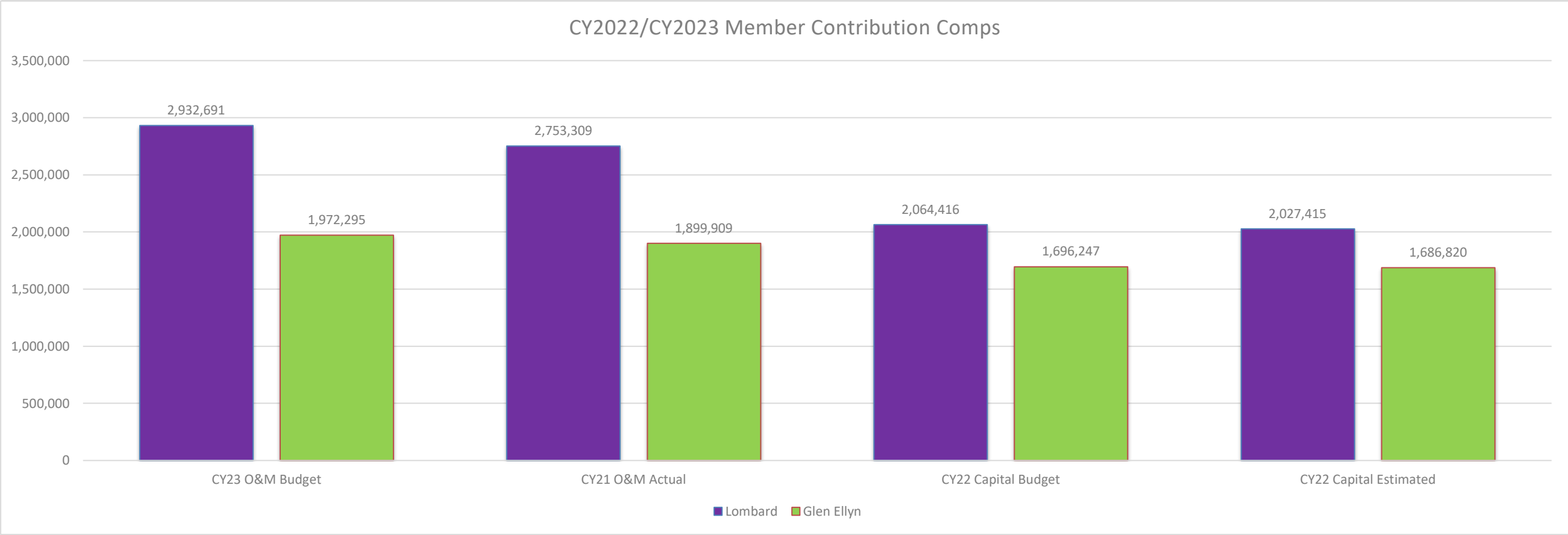
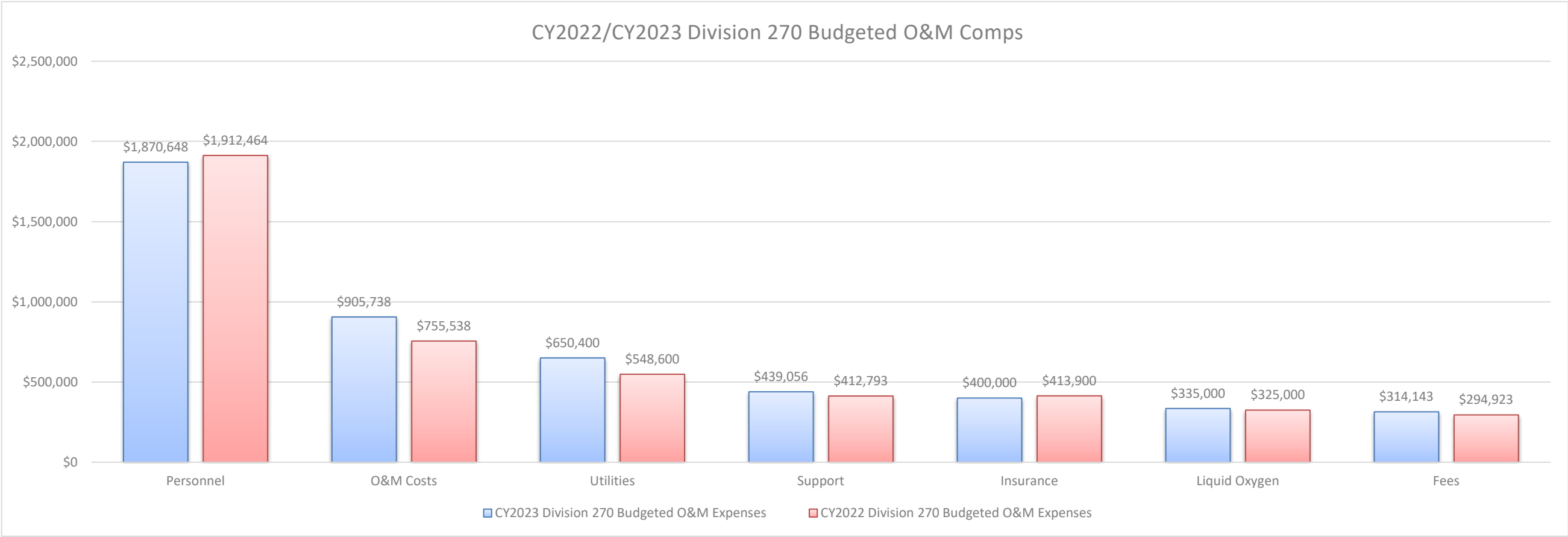
Matt Streicher, P.E. BCEE, PO, ENV SP
Executive Director
Glenbard Wastewater Authority

Glenbard Wastewater Authority
 Budget CY2023
 All Funds
 Expense Allocation to Partners

APPROVED CY2022 EXPENSES ALLOCATED TO PARTNERS			
	LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund	2,753,309	1,899,909	4,653,218
TOTAL O&M BUDGET	2,753,309	1,899,909	4,653,218
CAPITAL EQUIPMENT REPLACEMENT FUND	2,027,415	1,686,820	3,714,235
TOTAL O&M AND CAPITAL BUDGETS	4,780,724	3,586,729	8,367,453
ESTIMATED ACTUAL CY2022 EXPENSES ALLOCATED TO PARTNERS			
	LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	2,574,033	1,776,200	4,350,233
270-1 -- Stormwater Plant / Hill Ave L.S.	89,783	61,954	151,737
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	19,278	13,303	32,580
270-3 -- South Reg. Int. / Valley View L.S.	14,627	10,093	24,720
TOTAL O&M BUDGET	2,697,720	1,861,550	4,559,270
CAPITAL EQUIPMENT REPLACEMENT FUND	2,027,415	1,686,820	3,714,235
TOTAL O&M AND CAPITAL BUDGETS	4,725,135	3,548,370	8,273,505
CY2022 BUDGET OVER (UNDER)	(55,589)	(38,359)	(93,948)
PROPOSED CY2023 PARTNERS ALLOCATION			
	LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund	2,932,691	1,972,295	4,904,985
TOTAL O&M BUDGET	2,932,691	1,972,295	4,904,985
CAPITAL EQUIPMENT REPLACEMENT FUND	2,064,416	1,696,247	3,760,663
TOTAL O&M AND CAPITAL BUDGETS	4,997,107	3,668,542	8,665,648
Proposed CY2023 Partners Allocation Compared to Approved Expenses Allocated to Partners CY2022:			
Operation & Maintenance	\$179,382 6.5%	\$72,386 3.8%	\$251,768 5.4%
Capital Improvements	\$37,001 1.8%	\$9,427 0.6%	\$46,428 1.25%
Total O&M and Capital Budgets	\$216,382 4.5%	\$81,813 2.3%	\$298,195 3.6%

Glenbard Wastewater Authority Budget CY2023 Operations & Maintenance				
SUMMARY BY DIVISION				
Expense Allocation to Partners REVENUES	Actual CY2021	Budgeted CY2022	Estimated CY2022	Budgeting CY2023
Div. 270 -- Glenbard Wastewater Authority	4,539,228	4,653,218	4,653,218	4,904,985
Interest O&M Fund	4,573	10,000	3,466	10,000
Miscellaneous Revenue	0	0	0	0
IRMA Reimbursement	0	0	0	0
Total Revenues	4,543,802	4,663,218	4,656,684	4,914,985
EXPENSES	Actual CY2021	Budgeted CY2022	Estimated CY2022	Budgeting CY2023
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	4,451,047	4,462,850	4,350,233	4,670,517
270-1 -- Stormwater Plant / Hill Ave L.S.	61,482	146,968	151,737	187,918
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	19,127	30,950	32,580	32,850
270-3 -- South Reg. Int. / Valley View L.S.	12,353	22,450	24,720	23,700
Total O&M Expense:	4,544,009	4,663,218	4,559,270	4,914,985
Village of Glen Ellyn O&M Expenditures	1,842,596	1,903,992	1,861,550	1,976,316
Village of Lombard O&M Expenditures	2,701,413	2,759,226	2,697,720	2,938,670
Budget (Over) Under	(207)	0	97,414	0
Use of Available Cash				

Glenbard Wastewater Authority CY2023 Total Budget				
	Actual CY2021	Budgeted CY2022	Estimated CY2022	Budgeting CY2023
Operations & Maintenance	\$4,544,009	\$4,663,218	\$4,559,270	\$4,914,985
Capital Costs (Expenses & Debt Repayment)	\$3,458,416	\$7,820,119	\$5,542,960	\$12,307,769
TOTAL	\$8,002,425	\$12,483,337	\$10,102,230	\$17,222,754



270-1
STORMWATER PLANT
and
Hill AVENUE LIFT STATION
O&M NARRATIVE

The Glenbard Wastewater Authority Stormwater Plant is only utilized for operation during excess flow events. The Stormwater Plant is capable of processing 58 MGD of combined sewer flow.

The Hill Avenue Lift Station is also an integrated part of the Stormwater Plant. The lift station conveys flow to the plant as a result of flows greater than 2.5 times average daily flows through the Hill Avenue Regulator. The lift station only operates during wet weather events as part of the system that protects the Glenbard Plant from excessive high flow situations created in part by the combined sewers in the northern section of the Village of Lombard.

Budget CY2023**Operations & Maintenance****Division 270****Expense Allocation to Partners****REVENUE**

		Actual CY2021	Budgeted CY2022	Estimated CY2022	Budgeting CY2023
Operation/Maintenance					
450010	Glen Ellyn Share - 40.21%	1,818,521	1,899,909	1,879,177	1,972,295
450015	Lombard Share - 59.79%	2,720,707	2,753,309	2,774,041	2,932,691
	Partners Allocation	4,539,228	4,653,218	4,653,218	4,904,985
	Interst Income - O&M Fund	4,573	10,000	3,466	10,000
	Misc. Revenue	0	0	0	0
	IRMA Reimbursement	0	0	0	0
DIVISION 270		4,543,802	4,663,218	4,656,684	4,914,985

NOTE: The flow splits used to calculate partner payments for CY2023 are as follows:

Flow Split for Glen Ellyn: 40.21%

Flow Split for Lombard 59.79%

(for 5 yrs. Average ending 12/31/21)

NOTE: The flow splits used to calculate partner payments for CY2022 are as follows:

Flow Split for Glen Ellyn: 40.83%

Flow Split for Lombard 59.17%

(for 5 yrs. Average ending 12/31/20)

NOTE: The flow splits used to calculate partner payments for CY2021 are as follows:

Flow Split for Glen Ellyn: 40.55%

Flow Split for Lombard 59.45%

(for 5 yrs. Average ending 12/31/19)

Budget CY2023
Operations and Maintenance
Division 270
Expense Allocation to Partners

Footnotes

EXPENSES

		Actual CY2021	Budgeted CY2022	Estimated CY2022	Budgeting CY2023	% Difference CY22-CY23	\$ Difference CY22-CY23
Personnel Services							
510100	Salaries - Regular	1,473,629	1,530,000	1,335,927	1,530,000	0.0%	0
510110	Salaries - Part-Time Ops.	40,777	65,000	35,175	65,000	0.0%	0
510200	Salaries - Overtime	42,737	66,000	63,934	66,000	0.0%	0
510300	Salaries - Temporary/Seasonal	9,596	14,000	13,756	14,000	0.0%	0
510400	FICA	114,118	128,138	107,235	128,138	0.0%	0
510500	IMRF	127,702	109,326	92,261	67,511	-38.2%	(41,815)
	State Unemployment	0	0	0	0	0.0%	0
	Total	1,808,559	1,912,464	1,648,288	1,870,648	-2.2%	(41,815)
Contractual Services and Commodities							
520305	Employee Recognition	0	1,000	800	1,000	0.0%	0
520600	Dues/Subs./Fees	11,386	12,180	10,542	12,880	5.7%	700
520615	Recruiting/Testing	1,194	1,000	1,617	1,000	0.0%	0
520620	Employee Education	8,193	31,200	26,826	27,300	-12.5%	(3,900)
520625	Travel (Mileage)	0	300	120	300	0.0%	0
520700	Pro. Serv.-Legal Support	4,071	15,000	7,866	15,000	0.0%	0
520750	Legal Notices	285	1,000	416	1,000	0.0%	0
520775	Regulatory Fees	52,740	53,241	53,241	53,241	0.0%	0
520776	DuPage River Salt Creek Work Group Fee	33,973	35,164	35,164	36,218	3.0%	1,054
520806	Pro. Serv.-Lab Support	23,392	27,500	31,977	27,500	0.0%	0
520816	External Consulting Fees	13,331	20,000	29,548	30,000	50.0%	10,000
520825	Audit Fees / Pro. Serv. - Acct.	11,700	15,100	11,000	16,300	7.9%	1,200
520885	Insurance - Liability (MICA)	138,125	149,400	124,479	140,000	-6.3%	(9,400)
520893	Wellness/Health Incentives	600	0	0	0	0.0%	0
520895	Insurance - Health	268,108	264,500	224,931	260,000	-1.7%	(4,500)
520970	Maint. - Bldg. & Grds.	3,371	9,950	8,588	9,950	0.0%	0
520971	Bldg. & Grounds - Support	42,513	55,374	48,694	56,450	1.9%	1,076
520975	Maint. - Equipment	310,306	112,788	267,162	119,188	5.7%	6,400
520976	Maint. - Support	41,833	61,650	57,964	73,300	18.9%	11,650
520980	Maint. - Electronics	73,586	60,000	58,829	64,000	6.7%	4,000
520981	Elect. - Support	195,491	230,301	220,349	243,638	5.8%	13,337
520990	Operations - Supplies	6,778	11,100	9,990	17,100	54.1%	6,000
520991	Operations - Support	5,438	7,000	5,400	8,000	14.3%	1,000
521055	Professional Services - Other Support	537	4,000	2,000	4,000	0.0%	0
521130	Overhead Fees	137,316	139,238	139,238	145,504	4.5%	6,266
521150	Sludge Disposal - Land Applied	225,574	220,000	195,686	230,000	4.5%	10,000
521195	Telecommunications	29,695	30,600	29,233	26,400	-13.7%	(4,200)
521201	Electric Power	440,798	350,000	508,315	450,000	28.6%	100,000
521202	Natural Gas	65,021	60,000	61,142	65,000	8.3%	5,000
521203	Water	19,801	20,000	19,164	20,000	0.0%	0
521204	Self-Gen Gas	6,033	5,000	6,825	6,000	20.0%	1,000
530100	Office Expenses	9,430	16,500	13,825	14,000	-15.2%	(2,500)
530106	Operating Supplies - Lab	14,417	17,500	15,474	17,500	0.0%	0
530107	Pretreatment Expenses	436	4,500	0	45,000	900.0%	40,500
530200	Administrative Purchases	0	1,000	800	1,000	0.0%	0
530225	Safety	24,611	27,300	21,869	26,100	-4.4%	(1,200)
530440	Chemicals	118,631	150,000	127,405	196,000	30.7%	46,000
530443	Liquid Oxygen	299,409	325,000	320,939	335,000	3.1%	10,000
530445	Uniforms	4,366	5,000	4,528	5,000	0.0%	0
	Total	2,642,488	2,550,386	2,701,945	2,799,869	9.8%	249,483
TOTAL DIVISION 270		4,451,047	4,462,850	4,350,233	4,670,517	4.7%	207,668

CY2023 DIVISION 270 O&M FOOTNOTES

(1) SALARIES (\$1,530,000):

This budget number includes salaries provided for seventeen (17) full-time staff members.

(2) SALARIES - PART-TIME OPERATORS (\$65,000):

The Glenbard Plant operates 24 hours per day, 7 days per week. The SCADA System monitors the plant while it is not manned. Work *is* required on weekends and holidays to assure continued treatment and processing to meet stream discharge standards. Most of this work involves solids processing that must be done 7 days per week. Since roughly 1999 the Authority has used Part-Time Operators to provide operational inspections and solids processing on weekends and holidays. The use of five (5) part-time operations staff has allowed the full-time operations staff to work a regular work week without needing to work swing shifts or weekend work unless a situation arises. This has worked out well, and has resulted in not only better working arrangements for the full-time operations staff, but also utilizes an expanded pool of operators who can be called upon to help with the plant operations and are also paid at a lower part-time rate. This item is based on the equivalent of one (1) full time 40 hour per week employee.

(3) SALARIES – OVERTIME (\$66,000):

The Authority continues to trend overtime and manage this expense with best management practices in mind. Overtime costs are largely subject to unanticipated circumstances, such as weather, equipment breakdowns, and other unforeseen items.

(4) SALARIES – TEMPORARY/SEASONAL:

This budget number includes 2 seasonal workers, 1 part-time laborer, and temporary administrative assistance for when the Executive Assistant is absent.

(5) EMPLOYEE EDUCATION (\$27,300):

The employee education budget includes costs for attendance at seminars, conferences, and other educational courses – and includes travel costs and reimbursements. In addition to encouraging staff to receive continuing education, in 2019 the Illinois Environmental Protection Agency revised the requirements for Wastewater Operators to maintain their licenses, and now require continuing education, therefore we know staff will need to attend more events in order to keep their status current. Also, in CY23 WEFTEC will be in Chicago instead of New Orleans (every other year rotation), therefore, less costs are associated with attendance.

(6) PROFESSIONAL SERVICE LEGAL (\$15,000):

This item had a \$5,000 decrease in CY2022 and is used for legal needs regarding projects and contract reviews, lease agreements, access, and all other legal consultation. This item was increased for CY2021 due to the anticipated need for additional legal services in relation to the Facility Improvements Project,

therefore, it had been lowered back down to its traditional amount starting in CY22.

(7) DUPAGE RIVER SALT CREEK WORK GROUP (\$36,218):

The increase in the work group dues is a direct correlation to the support we provide as members to keep the administrative functions in tact as the Authority continues to collaborate with the IEPA with regards to its NPDES permits. The project initiatives that the East / West Branch DuPage River & Salt Creek watersheds are providing to the IEPA are imperative to the impacts of the nutrient standards relating to point source dischargers. The work group has been recognized by the IEPA as a leader in developing remediation to stream standards particularly relating to habitat improvements. The work group believes that stream remediation is the path to healthier streams and rivers versus costly implementation of nutrient discharge limits at treatment plants for phosphorus and total nitrogen. Educating communities about chloride utilization, storm water best management practices, and the discontinued use of coal tar sealants have also been important functions provided by this group. The IEPA has granted the Authority with almost three full permit cycles (13 years) without impending NPDES limits for phosphorus, and plans to continue to negotiate at every continuing permit cycle to reach a goal of putting the nutrient requirements off until 2035.

(8) External Consulting Fees (\$30,000):

This item covers the cost to hire a consulting engineer for small specific tasks required to implement equipment changes, operational changes or general consultation. In CY2021 the amount was increased by \$5,000 due to the need for assistance to fulfill all the requirements mandated in the Authority's new NPDES permit issued towards the end of CY2021, however, those need will continue into CY2023. In addition, more funds are being budgeted in this account due to the Authority only having one engineer on staff, and therefore will have greater needs for consulting engineering services.

(9) AUDIT FEES (\$16,300):

The Audit fees for the Authority cover the cost of the Village of Glen Ellyn as the "Operating Agency" to hire a third-party financial firm to provide an audit of the CY2022 financials.

(10) INSURANCE LIABILITY (\$140,000):

This item represents the annual premium cost of the Authority's coverage with Municipal Insurance Cooperative Agency (MICA), a pooled insurance program, which provides a protected self-insured plan. Included in this expense line is the annual premium payment to MICA for CY2023 and an excess liability policy. This Line item is a 6.3% decrease over what was in the CY2022 budget. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.

(11) INSURANCE HEALTH (\$260,000):

Health care is provided through the Village of Glen Ellyn insurance plan. This line item reflects a \$4,500 decrease from the CY2022 budget number of \$264,500.

(12) MAINTENANCE SUPPORT (\$73,300):

This line item reflects work previously budgeted in the Maintenance-Contractual line item. This represents a \$11,650 increase from the CY2022 budget number of \$61,650, \$7,100 of which is an increase on Equipment Services Support from the Village of Glen Ellyn, and the remainder is a result of material price and labor cost escalations.

(13) ELECTRICAL SUPPORT (\$243,638)

This line item reflects a 5.8% increase in CY2023 compared to CY2022 budget number of \$230,301. The increase is solely attributed to increased annual service charges from contractual services, mainly related to inflation.

(14) OVERHEAD FEES (\$145,504):

Overhead fees per the Intergovernmental Agreement (IGA) are based on the annually published CPI-U Chicago increases. This years increase was 6.6%, however, for the CY2023 budget it was reduced to 4.5% by the Village of Glen Ellyn due to the higher than average increase. In 2015 the administrators for the member Villages reviewed the demands of the Authority regarding the Operating Agency's responsibility for oversight and felt that after three years (per the IGA) the review of workload allocation and the cost to support the Authority is acceptable until the next review due this year.

(15) SLUDGE DISPOSAL FEES (\$230,000):

Sludge disposal fees have been calculated based the bid price that was obtained in CY2021 for a 3-year contract, and estimated volume of sludge produced. Increased sludge production, coupled with a slightly higher price for hauling, has caused the budget number to increase over previous years. This cost includes the costs of hauling sludge off plant site daily in order to better mitigate odors. Due to potential force majeure circumstances, it is possible the unit price may increase due to hauling fees in general increasing.

(16) ELECTRIC POWER (\$450,000):

In CY2021 the Authority entered into a new four-year agreement with Direct Energy for a fixed fee of \$0.03958/kWh that took effect in February, 2022. Power consumption is directly impacted by wet weather conditions impacting our facilities. The Authority originally estimated this cost to be much lower (\$300,000) due to the potential electricity being produced by Combined Heat & Power (CHP) engine generators, however due the uncertainty of the co-digestion/HSW program, and its effect on the ability to generate more electricity, conservative numbers have been reinserted into the budget. Based on historical usage, the Finance Directors recommended the \$450,000 budget number for CY2023.

(17) NATURAL GAS (\$65,000):

In CY2020 The Authority signed a three-year agreement which began in CY2021 (April 1) with Constellation Energy Services for a fixed fee of \$2.83 per dekatherm. This is a lightly higher cost than our previous contract, therefore, additional funds have been inserted into the budget

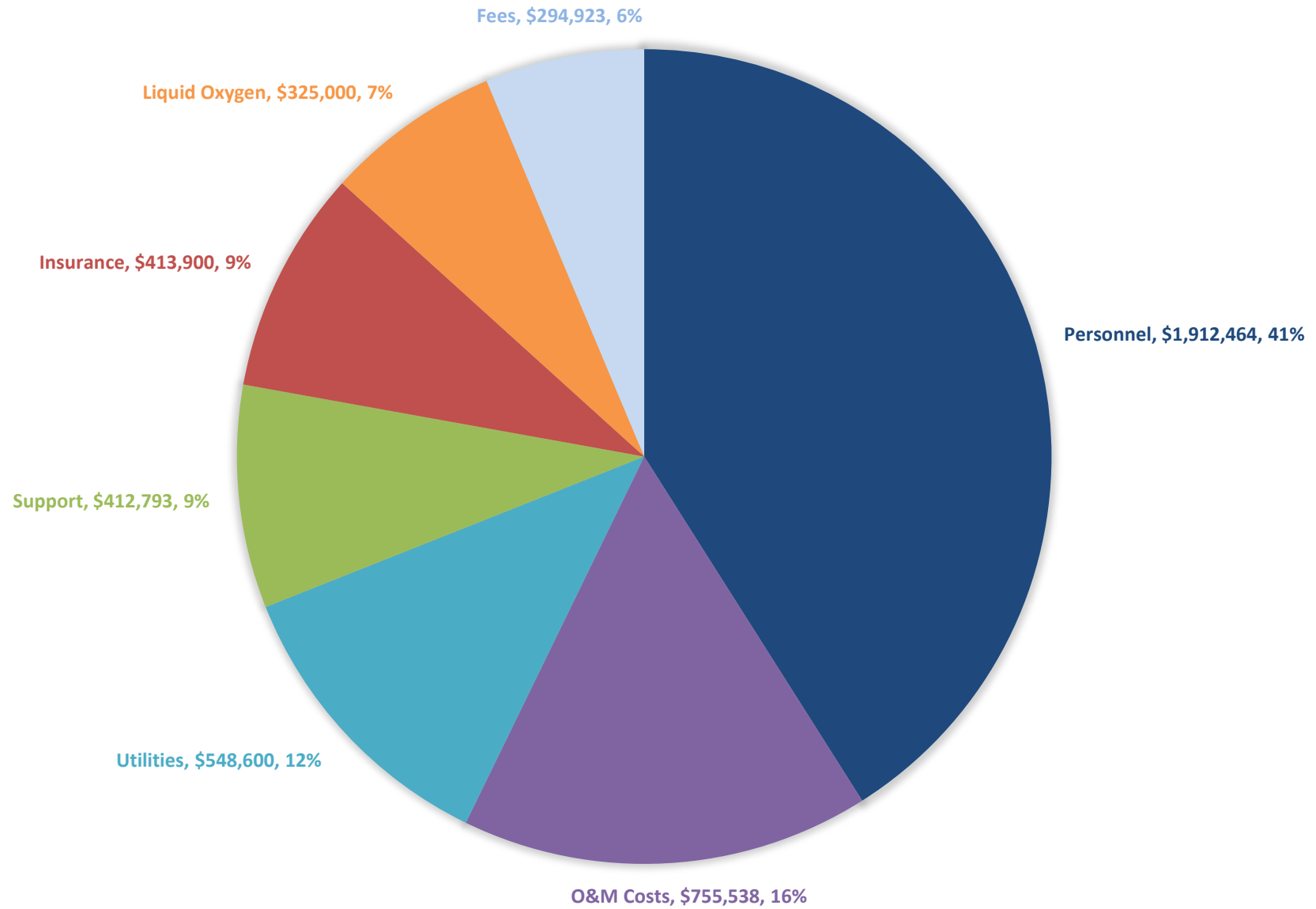
(18) CHEMICALS (\$196,000):

Chemicals used in the daily operation of the plant are included in this section at expected levels consistent with our recent history. Different chemicals are used for sludge dewatering, odor control, acid wash, and mineral deposition throughout the plant. Polymer production costs continue to increase annually due to the product being petroleum based. A Hypochlorite (bleach) system for worker safety was added as part of the 2017 Facility Improvement Project, and implemented in CY2021, which have significantly increased the budget for chemical costs. In addition, the costs for chlorine have increased considerably due to the nationwide shortage of chlorine. Due to the increased costs in both petroleum, resulting in higher shipping costs and certain chemical costs, as well as the continued increase in chlorine costs – this budget center has increased significantly. The Authority also began dosing hydrogen peroxide into the influent stream in order to aid in odor mitigation efforts. The addition of the peroxide has been highly successful, but has also contributed to an increase in chemical costs.

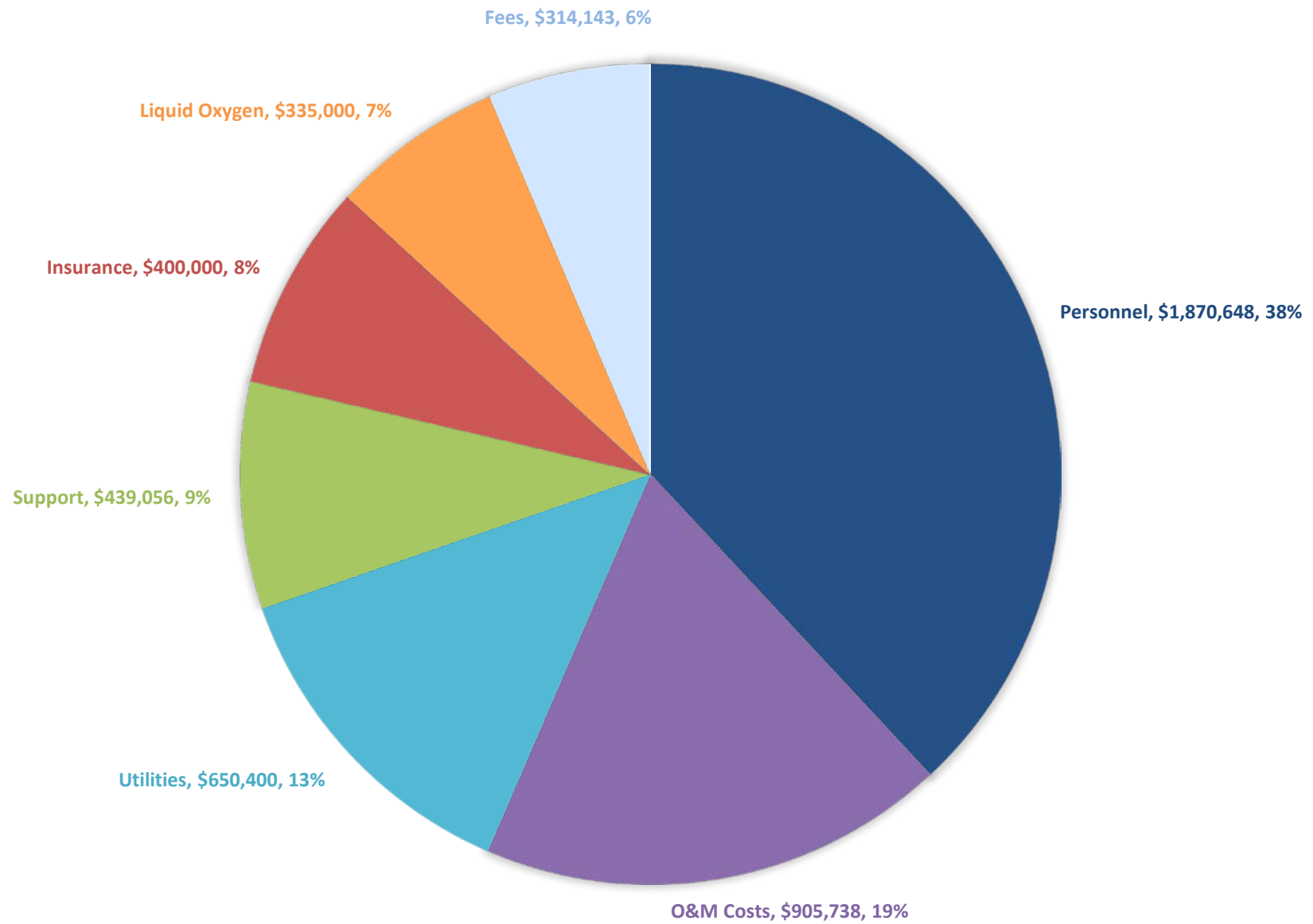
(19) Liquid Oxygen (\$335,000)

In CY2018 the Authority began to haul in pure oxygen from an outside provider. The transition to hauling it from an outside provider has allowed the Authority to start using less energy, while still operating the high purity oxygen system, and gave the ability to fine tune operations prior to converting to a biological nutrient removal process. Performing the transition could avoid shocks to the biological components of the overall treatment process as a result of moving directly from High Purity Oxygen (HPO) Activated Sludge process to Biological Nutrient Removal (BNR). The transition to liquid hauling also consumes less staff time since the cryogenic plant is no longer in operation. Traditionally, this number would decrease as a result of trying to refine actual numbers based on historical usage. However, the Authority's existing contract for supply of liquid oxygen expired in CY2022 and was rebid. The unit price came in higher, however, the Authority is now able to avoid unforeseen fees attached to invoices, such as delivery charges for off-hours and fuel surcharges. Coupled with the ability to reduce usage, along with higher material prices, this budget center is predicted to remain relatively stable into CY2023.

CY2022 O&M EXPENSES



CY2023 O&M EXPENSES



Glenbard Wastewater Authority
CY2023 Personnel Budget
Division 270 -- 510100-510500

	Item	Comments	CY22 Budgeted	CY23 Budgeting
510100	Salaries - Regular		1,530,000	1,530,000
510110	Part - Time Operations	= 1.0 Full Time Equivalent	65,000	65,000
510200	Laboratory Overtime		2,000	2,000
510200	Ops. Reg. Overtime		3,000	3,000
510200	High Flow Overtime		3,000	3,000
510200	Ops. Call-In Overtime		10,000	10,000
510200	Ops. SCADA Monitoring Overtime		21,000	21,000
510200	Maint. Regular Overtime		4,000	4,000
510200	Maint. Call-In Overtime		10,000	10,000
510200	Elec. Reg. Overtime		4,000	4,000
510200	Elec. Call-In Overtime		9,000	9,000
510300	Seasonal Labor	= .5 Full Time Equivalent	14,000	14,000
			<hr/>	<hr/>
			Salaries Regular, PT Ops & Seasonal	1,609,000
			Salaries Overtime (3)	66,000
			<hr/>	<hr/>
			Salaries	1,675,000
510400	FICA - 7.65%		128,138	128,138
510500	IMRF - 4.23%		109,326	67,511
			<hr/>	<hr/>
			Personnel Services	\$1,870,648
			\$1,912,464	

**Glenbard Wastewater Authority
CY2023 Recognition/Awards Budget
270 520305**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Recognition/Awards	Miscellaneous (Manager's Discretion)	1,000		1,000	
Total		<u>1,000</u>	<u>\$1,000</u>	<u>1,000</u>	<u>\$1,000</u>

Glenbard Wastewater Authority
CY2023 Dues/Fees/Subscriptions Budget
270 520600

Item	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Dues/Fees/Subs.	Water Environment Federation - Memberships	2,000		2,000	
	WEF - Publications	0		0	
	NACWA	1,100		1,100	
	IAWA	5,000		5,000	
	International Society of Automation	130		130	
	Conservation Foundation	250		250	
	FAA Bi-Annual Renewal (\$600, CY24)	0		0	
	License Renewals-Drivers/Electrician/Engineering	1,000		1,000	
	KnowBe4 Cybersecurity	0		700	
	Julie - Locating Services	500		500	
	Newspaper Subscriptions	1,700		1,700	
	Various Memberships (Amazon, Costco, etc.)	500		500	
			\$12,180		\$12,880

Glenbard Wastewater Authority
CY2023 Recruit/Test Budget
270 520615

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Recruiting/Testing	Pre-Employment Screening	1,000		1,000	
			1000		1000

Glenbard Wastewater Authority
CY2023 Employee Training/Education Budget
270 520620

		CY22 Budgeted	CY23 Budgeting
Administration	Employee Education - Administration		
	WEFTEC -- Chicago, IL		
	Streicher	3,000	1,000
	Assistant Director	3,000	1,000
	CSWEA. IWEA, IAWA (Meetings/Conferences)	5,000	5,000
	NACWA Pretreatment Conference - Staat	1,000	1,500
	IPSI - Illinois Public Sector Institute Training:		
	Romza - Graduated 2022	1,500	0
	Staat - Year 3 of 3 year training program	1,500	1,500
Operations	Employee Education - Operations (5 Operators)		
	WEFTEC -- Chicago, IL	100	200
	IPSI - Illinois Public Sector Institute Training		
	Pakosta - Year 3 of 3 year training program	1,500	1,500
	Operator - Year 1 of 3 year training program	0	1,500
	Misc Tech Seminars	2,000	2,000
	Central States WEA, IAWA State Conferences	2,000	2,000
Maintenance	Employee Education - Maintenance		
	WEFTEC -- Chicago, IL	0	200
	Facilities Maintenance Show -- 4 Maint Mech (Chicago)	100	200
	Maintenance Based Courses/Seminars (APWA Snow and Ice)	500	500
	IPSI - Illinois Public Sector Institute Training	0	0
	Simpson - Year 2 of 3 year training program	1,500	1,500
	Misc Tech Seminars	3,000	3,000
Electrical	Employee Education - Electrical		
	Misc Tech Seminars	2,000	2,000
	WEFTEC -Chicago	0	
	IPSI - Illinois Public Sector Institute Training		
	Electrical - Year 1 of 3 year training program		1,500
	Dziewior iFix Fundamental Course	2,500	0
	Facilities Maintenance, ISA Shows -- R. Freeman, P. Dziewior & J. Solita (Chicago)	0	200
Lab	Employee Education - Laboratory		
	Misc Tech Seminars	1,000	1,000
		\$31,200	\$27,300

This fund is inclusive of all costs associated with each Training/Education item, including transportation(non-mileage), hotel, rental car, and meals.

Glenbard Wastewater Authority
CY2023 Mileage Reimbursement Budget
270 520625

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Travel	Travel for Seminars/Training	0		0	
	Manufacturing Trade Shows	300		300	
	I-Pass				
		<hr/>		<hr/>	
		\$300		\$300	

**Glenbard Wastewater Authority
CY2023 Pro. Svc. Legal Budget
270 520700**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Pro. Svc. Legal	Contracted Legal Assistance	15,000		15,000	
Total			\$15,000		\$15,000

Glenbard Wastewater Authority
CY2023 Legal Notices
270 520750

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Legal Notices	Chicago Tribune				
	Daily Herald	1,000		1,000	
			<u><u>\$1,000</u></u>		<u><u>\$1,000</u></u>

Glenbard Wastewater Authority
CY2023 Regulatory Fees
270 520775

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Glenbard Plant	IEPA Regulatory Fees associated with the NPDES permit and sludge disposal permit as legislated by State.	53,000		53,000	
	IEPA ROSS Air Emissions Fee	0		241	
		<hr/>		<hr/>	
				\$53,000	\$53,241

**Glenbard Wastewater Authority
CY2023 DuPage River Salt Creek Work Group Commitment
270 520776**

Recommendation		CY22 Budgeted	Total	CY23 Budgeting	Total
GWA	Workgroup Membership Dues	35,164		36,218	
<p>Based on the approval of TMDL (Total Max. Daily Load) reports which address the water quality of the local streams and rivers relative to their Dissolved Oxygen and Chloride Levels, the IEPA has directed all wastewater treatment facilities in DuPage County to reserve funds for the efforts to improve water in Salt Creek and the East/West Branches of the DuPage River. This proposed funding is based on Work Group method established on January 26, 2005 and represents Contribution for the Glenbard Wastewater Authority by Million Gallons per Day.</p> <p>The Work group research has found that habitat improvement is showing positive signs after multiple dam removal efforts. DRSCWG is working with the IEPA to help promote scientific data for improved watershed quality.</p>					
		<hr/> \$35,164		<hr/> \$36,218	

Glenbard Wastewater Authority
CY2023 Prof. Svc. Lab. Budget
270 520806

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Cont. Lab Testing	Suburban Laboratories (Metals)	27,500		27,500	
	Digester Testing				
	Monthly Process Testing				
	Monthly Sludge Fecal Testing				
			\$27,500		\$27,500

**Glenbard Wastewater Authority
CY2023 Prof. Svc. Eng. Budget
270 520816**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Pro. Serv. Engr.	External Consulting Fees	20,000		30,000	
		<hr/>		<hr/>	
		\$20,000		\$30,000	

Glenbard Wastewater Authority
CY2023 Prof. Svc. Acct. Budget
270 520825

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Pro. Svc. Acct.	Contracted Audit/Acct. Fees	11,700		12,500	
	Single Audit for SRF Disbursements	3,400		3,800	
			<hr/>		
			\$15,100		\$16,300

**Glenbard Wastewater Authority
CY2023 Insurance Liability Budget
270 520885**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Ins.-Liability	Fees for Liability Coverage	149,350		140,000	
			\$149,400		\$140,000

All Facilities included - Property Portion Equals 1/3 of Total Portion

Total Liability Insurance Amount: \$140,000 is a 6% decrease compared to the \$149,350 budgeted for CY2022

Glenbard Wastewater Authority
CY2023 Health Insurance Fees Budget
270 520895

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Ins. - Health	Fees for Employee Health Insurance Coverage	273,000		260,000	
			\$273,000		\$260,000

Total Health Insurance amount reflects a 4.8% decrease increase
over budgeted (\$273,500) for CY2022

Glenbard Wastewater Authority
CY2023 - Buildings and Grounds Budget
Maintenance
270 520970

Description	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
GWA Building/Grounds	Janitorial Supplies for Custodians	2,500		2,500	
	Door/Lock/Misc Repairs	1,750		1,750	
	Bldg./Equipment. Painting Supplies (Non-Contract)	750		750	
	Misc. Repair Parts	2,000		2,000	
	Mulch	400		400	
	Planting Beds	300		300	
	Grass Seed	750		750	
	Topsoil	1,500		1,500	
			\$9,950		\$9,950

Glenbard Wastewater Authority
CY2023 - Buildings and Grounds - Support Budget
Maintenance
270 520971

DESIGNATION	RECOMMENDATIONS	CY22 Budgeted	Total	CY23 Budgeting	Total
Glenbard Plant	Roofing Systems Survey	0		0	
	Contractor Door/Lock Repairs	2,500		2,500	
	Spoil Removal	0		0	
	Shop Towel Service	2,500		2,500	
	Fire Extinguisher Service/Repairs	3,200		3,200	
	Elevator Service/Repairs	0		0	
	Elevator Press Tests	1,000		1,500	
	Elevator Inspections	2,500		3,000	
	Landscape Maintenance	20,624		20,625	
	Pest Control	300		300	
	Tru-Green Chemlawn - Turf/Shrub Disease Control	5,000		5,000	
	Contracted Window Repairs	1,000		1,000	
	Contracted Janitorial Service	14,000		14,000	
	Unanticipated Contracted Building/Grounds Repairs	2,000		2,000	
	Admin Window Cleaning Contract	750		825	
			\$55,374		\$56,450

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
270 520975

Building	Designation	CY22 Budgeted	CY23 Budgeting
A	Bar Screen	1,750	1,750
B	Raw Pump	2,700	2,700
C	Grit Removal	2,950	3,950
D	Primary Pump	2,400	2,350
E	Primary Scum	1,725	2,725
F	Unox	8,800	8,700
H	Screw Pump	7,750	8,750
I	Final Clarifiers	1,100	2,500
J	Pump & Metering	2,350	2,350
L	Sand Filter	1,050	1,050
N	Warehouse	100	100
P	Press	6,200	6,050
Q	Cryo.	3,100	3,100
R	Administration	2,000	2,000
S	Maint. Garage	4,250	4,750
T	Electrical Shop	700	700
U	Digester	3,150	3,450
V	Co-Gen	1,500	1,500
Y	Combined Heat and Power	39,813	39,813
Z	SRI Lift Station	3,250	3,250
	Miscellaneous	16,150	17,650
TOTAL		\$112,788	\$119,188

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Bldg A - Bar Screen	Bar Screen PM/Repairs	1,200		1,200	
	Rag Washer PM/Repairs	250		250	
	Isolation Gate PM/Repair	100		100	
	Potable Water System PM/Repairs	100		100	
	Non-Potable Water System PM/Repairs	100		100	
			\$1,750		\$1,750
Bldg B - Raw Pump	Potable Water System PM/Repair	100		100	
	Non-Potable Water System PM/Repair	1,500		1,500	
	Raw Pump PM/Repair	1,000		1,000	
	Isolation Gate PM/Repair	100		100	
			\$2,700		\$2,700
Bldg C - Grit	Potable Water System PM/Repairs	100		100	
	Non-Potable Water System PM/Repairs	100		100	
	Grit Collection System PM/Repairs	200		200	
	Grit Pump System PM/Repairs	100		100	
	Grit Washer System PM/Repairs	750		750	
	Blower System PM/Repairs	200		200	
	Odor Control PM/Repair	1,500		2,500	
			\$2,950		\$3,950
Bldg D - Primary Pump	Potable Water System PM/Repairs	50		0	
	Sump Pump System PM/Repairs	250		250	

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
	Non-potable Water System PM/Repairs	100		100	
	Sludge Pump System PM/Repairs	1,000		1,000	
	Scum System PM/Repairs	1,000		1,000	
			\$2,400		\$2,350
Bldg E - Primary Scum	Potable Water System PM/Repairs	50		50	
	Non-Potable Water System PM/Repairs	75		75	
	Scum Compation System PM/Repairs	100		100	
	Odor Control System PM/Repairs	1,500		2,500	
			\$1,725		\$2,725
Bldg F - Unox	Seal Antifreeze	100		0	
	Unox System PM/Repairs	200		200	
	Mixer PM/Repairs	7,500		7,500	
	Valve Repair/Replacement	1,000		1,000	
			\$8,800		\$8,700
Bldg H - Screw Pump	V-Belts	750		750	
	Grease	6,000		6,500	
	Drive Oil	1,000		1,500	
			\$7,750		\$8,750
Bldg I - Final Clarifiers	Enclosure Insulation	100		500	
	Final Clarifier PM/Repair	500		1,500	

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
	Valve PM/Repair	500		500	
			\$1,100		\$2,500
Bldg J - Pump and Metering	Sludge Pumping System PM/Repair	1,500		1,500	
	Potable Water System PM/Repair	100		100	
	Nitro Waste System PM/Repair	500		500	
	Non-Potable Water System PM/Repair	250		250	
			\$2,350		\$2,350
Bldg L - Disc Filter	Potable Water System PM/Repair	50		50	
	Non-Potable Water System PM/Repair	250		250	
	Disc Filter PM/Repair	750		750	
			\$1,050		\$1,050
Bldg N - Warehouse	Shelving Rehab	100		100	
			\$100		\$100
Bldg P - Press	Sludge Press System PM/Repair	750		750	
	FOG System PM/Repair	5,000		5,000	
	Non-Potable Water System PM/Repair	100		100	
	Polymer System PM/Repair	250		100	
	Potable Water System PM/Repair	100		100	
	Press Seal	0		0	
			\$6,200		\$6,050

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Bldg Q - Cryo	Oil and Filters	0		0	
	Misc. Parts	0		0	
	Instrument Air System PM/Repair	2,000		2,000	
	Potable Water System PM/Repair	100		100	

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
	Replacement PRV's	0		0	
	Emergency Repair/Parts	1,000		1,000	
			\$3,100		\$3,100
Bldg R - Admin	Lavatory Repair Parts	1,000		1,000	
	Laboratory Systems PM/Repair	500		500	
	Washer/Dryer Parts	500		500	
			\$2,000		\$2,000
Bldg S - Maintenance Garage	Welding Supplies	1,500		1,500	
	Potable Water System PM/Repair	250		250	
	Compressed Air System PM/Repair	500		500	
	Shop Tools	2,000		2,500	
			\$4,250		\$4,750
Bldg T - CRAS/Electric Shop	Compressed Air System PM/Repair	100		100	
	Potable Water System PM/Repair	50		50	
	Non-Potable Water System PM/Repair	150		150	
	Carbo Pumping System PM/Repair	300		300	
	Carbo Piping PM/Repair	100		100	
			\$700		\$700
Bldg U - Digester	Boiler Parts / Cleaning	200		500	
	Non-Potable Water System PM/Repair	150		150	

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
	Potable Water System PM/Repair	50		50	
	Boiler PM/Repair	750		750	
	Recirculation Pump PM/Repair	750		750	
	Mixing Pump PM/Repair	500		500	
	Digester PM/Repair	250		250	
	Bio-gas System PM/Repair	250		250	
	Oil and Belts	250		250	
		<u> </u>	\$3,150	<u> </u>	\$3,450
Bldg V - Co-Gen	Coolant (Completed in 2017)	0		0	
	Oil	0		0	
	Filters (Air/Oil)	1,500		1,500	
	Miscellaneous (Plugs, Coils, etc.)	0		0	
		<u> </u>	\$1,500	<u> </u>	\$1,500
Bldg Y - CHP	600 Hour Service Interval (17 Intervals per engine)	18,000		18,000	
	1200 Hour Service Interval (6 Intervals per engine)	20,813		20,813	
	7500 Hour Service Interval (1 Interval per engine)	0		0	
	12000 Hour Service Interval (1 Interval per engine)	0		0	
	20000 Hour Service Interval (1 Interval per engine)	0		0	
	Recommended Spare Parts	1,000		1,000	
		<u> </u>	\$39,813	<u> </u>	\$39,813
Bldg Z - SRI	Salt/ Brine Parts (Snow)	250		250	
	Pump Parts/Seals	3,000		3,000	
		<u> </u>		<u> </u>	

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

Designation	Recommendations	CY22 Budgeted	Total \$3,250	CY23 Budgeting	Total \$3,250
	Miscellaneous				
	Paints/Supplies	500		500	
	Replacement Tools	3,000		3,500	
	Oil Analysis	200		200	
	Batteries (Cordless Tools)	1,000		2,000	
	Hardware -- Bolts/Nuts/Drills/Taps	4,000		4,000	
	Parts Repair Shipping Costs (Freight)	250		250	
	Portable Pump Hose Replacements	200		200	
	Vacuum Hose Replacment	0		0	
	Safety Lane Vehicle Inspections	0		0	
	Hardware -- PVC Piping	1,000		1,000	
	Hardware -- Process Piping	1,000		1,000	
	Misc. Valves/Repair Clamps	1,000		1,000	
	Manhole Repair Parts	2,000		2,000	
	Unanticipated Equipment Repair Parts	2,000		2,000	
			\$16,150		\$17,650
GWA Facilities	TOTAL		\$112,788		\$119,188

Glenbard Wastewater Authority
CY2023 Equipment Maintenance - Support Budget
270-520976

Building	Designation	CY22 Budgeted	CY23 Budgeting
R	Administration	1,200	1,500
S	Maint. Garage	1,250	1,500
T	CRAS/Electric Shop	0	0
U	Digester	0	2,500
V	Co-Gen	0	0
	Intermediate Clarifiers	0	0
Y	Combined Heat & Power	4,000	2,000
	Miscellaneous	16,100	19,600
	Vehicle Maintenance Services	39,100	46,200
	TOTAL	\$61,650	\$73,300

Glenbard Wastewater Authority
CY2023 Equipment Maintenance - Support
Maintenance
270-520976

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Bldg R - Administration	Washer/Dryer Chemicals	<u>1200</u>	\$1,200	<u>1500</u>	\$1,500
Bldg S - Maintenance Garage	Safety Klean Parts Service	0		0	
	Torch Gas Cylinder Lease	750		1,000	
	Miscellaneous	<u>500</u>	\$1,250	<u>500</u>	\$1,500
Bldg T - CRAS/Electrical Shop	Boiler Repairs	0		0	
	Pump Repairs	0		0	
	Boiler Certification Inspections	<u>0</u>	\$0	<u>0</u>	\$0
Bldg U - Digester	Boiler Repairs	0		2,500	
	Boiler Tuneup/Inspection/Cleaning/Repairs	0		0	
	Boiler Certification Inspections	<u>0</u>	\$0	<u>0</u>	\$2,500
Bldg Y - CHP	Support Services	<u>4,000</u>	\$4,000	<u>2,000</u>	\$2,000
GWA Facilities	Miscellaneous Certifications/Services				
	Overhead Crane Inspection/Repairs	2,000		2,500	
	State Boiler/Pressure Vessel Certifications	2,500		2,500	
	Elevator Service	1,500		2,500	

**Glenbard Wastewater Authority
CY2023 Equipment Maintenance - Support
Maintenance
270-520976**

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
	Elevator Inspections - Lombard	0		0	
	RPZ - Lombard	500		500	
	RPZ Inspections	2,000		2,000	
	Electric Powered Tool Repairs	0		0	
	Oil Recycling	1,000		1,000	
	Safety Lane Vehicle Inspections	600		600	
	Heavy Equipment Rental	3,000		3,000	
	Contracted Crane Service	2,000		2,500	
	Unanticipated Contracted Repairs	1,000		2,500	
			\$16,100		\$19,600
Equipment Services Support		39,100		46,200	
			\$39,100		\$46,200
	TOTAL		\$61,650		\$73,300

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Building	Designation	CY22 Budgeted	CY23 Budgeting
A	Bar Screen	2,600	2,600
B	Raw Pumps	5,300	5,300
C	Grit	2,400	2,400
D	Primary Clarifier	500	500
E	Primary Pump	2,100	2,100
F	Unox Deck	3,800	3,800
G	ATAD	500	500
H	Screw Pump	2,100	2,100
I	Final Clarifier	1,350	1,350
J	Pump/Meter	2,300	2,300
K	Thickener	550	550
L	Sandfilter	1,700	1,700
N	Warehouse	800	800
O	UV	2,700	2,700
P	Press	3,400	3,400
Q	Cryo	1,100	1,100
R	Administration	2,900	2,900
S	Maint. Garage	1,300	1,300
T	CRAS	2,200	2,200
U	Digester	3,300	3,300
V	Co-Gen	2,800	2,800
Y	CHP	3,300	3,300
	Elec. Supplies	11,000	15,000
		\$60,000	\$64,000

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Bar Screen	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM Repairs	500		500	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	800		800	
	SCADA System PM/Repairs	400		400	
	Telecommunications PM/Repairs	0		0	
	Bar Screen Total		\$2,600		\$2,600
Raw Pumps	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	1,000		1,000	
	HVAC Equipment PM/Repairs	700		700	
	Instrumentation PM/Repairs	1,000		1,000	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	1,000		1,000	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	1,000		1,000	
	Telecommunications PM/Repairs	0		0	
	Raw Pumps Total		\$5,300		\$5,300

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Grit	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	400		400	
	HVAC Equipment PM/Repairs	300		300	
	Instrumentation PM/Repairs	500		500	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	0		0	
	Grit Total		\$2,400		\$2,400
Primary Clarifier	Control Panel PM/Repairs	0		0	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	0		0	
	Instrumentation PM/Repairs	100		100	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	0		0	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	Primary Clarifier Total		\$500		\$500

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Primary Pump	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	400		400	
	Instrumentation PM/Repairs	100		100	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	Primary Pump Total		\$2,100		\$2,100
Unox Deck	Control Panel PM/Repairs	500		500	
	Electrical Distribution PM/Repairs	500		500	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	1,000		1,000	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	1,300		1,300	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	Unox Deck Total		\$3,800		\$3,800

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
ATAD	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	0		0	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	ATAD Total		\$500		\$500
Screw Pump	Control Panel PM/Repairs				
	Electrical Distribution PM/Repairs	1,000		1,000	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	200		200	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	500		500	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	Screw Pump Total		\$2,100		\$2,100

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Final Clarifier	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	500		500	
	HVAC Equipment PM/Repairs	0		0	
	Instrumentation PM/Repairs	250		250	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	0		0	
	Final Clarifier Total		\$1,350		\$1,350
Pump and Meter	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	1,000		1,000	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	Pump and Metering Total		\$2,300		\$2,300

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Thickener	Control Panel PM/Repairs	0		0	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	50		50	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	Thickener Total		\$550		\$550
Sandfilter	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	300		300	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	Sandfilter Total		\$1,700		\$1,700

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Warehouse	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	Warehouse Total		\$800		\$800
UV	Control Panel PM/Repairs	1,000		1,000	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	300		300	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	UV Total		\$2,700		\$2,700

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Press	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	500		500	
	HVAC Equipment PM/Repairs	500		500	
	Instrumentation PM/Repairs	1,000		1,000	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	Press Total		\$3,400		\$3,400
Cryo	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	400		400	
	Telecommunications PM/Repairs	0		0	
			\$1,100		\$1,100

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Administration	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	500		500	
	Instrumentation PM/Repairs	400		400	
	LAN PM/Repairs	300		300	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	500		500	
	Administration Total		\$2,900		\$2,900
Maintenance Garage	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	200		200	
	Maintenance Garage Total		\$1,300		\$1,300

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
CRAS	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	800		800	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	300		300	
	CRAS Total		\$2,200		\$2,200
Digester	Control Panel PM/Repairs	300		300	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	400		400	
	Instrumentation PM/Repairs	500		500	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	500		500	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	Digester Total		\$3,300		\$3,300

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
CHP	Control Panel PM/Repairs	300		300	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	400		400	
	Instrumentation PM/Repairs	500		500	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	500		500	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	Digester Total		\$3,300		\$3,300
Co-Gen	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	300		300	
	Instrumentation PM/Repairs	800		800	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	300		300	
	Safety Equipment PM/Repairs	300		300	
	SCADA System PM/Repairs	300		300	
	Telecommunications PM/Repairs	0		0	
	Co-Gen Total		\$2,800		\$2,800
Electrical Supplies	Conduit, wire, enclosures, fittings, switches, batteries, cleaning supplies, contact cleaners electronic components, Pneumatic Tubing & Fittings Thermal Overloads, fasteners, strut				

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
	wire, nuts, etc.	11,000		15,000	
	Electrical Total		\$11,000		\$15,000
	Grand Total		\$60,000		\$64,000

Glenbard Wastewater Authority
CY2023 Electrical/Electronics - Support Budget
270 520981

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Administration	Network/Communications Consulting	10,000		10,000	
	Intellution iFIX Global Support	9,200		9,200	
	Software Support agreement Specter (Win-911)	2,100		1,200	
	Software Support Agreements Cisco Smartnet	2,500		2,500	
	Software Support Fortinet Firewall Appliance	1,200		1,200	
	Software Support Agreement CMMS Data (MVP Plant)	21,600		21,600	
	Software Support Agreement Rockwell (PLC)	1,350		1,500	
	Software Support OpWorks	4,800		4,800	
	Software Support Agreement TimeTrax (Time Clock)	150		150	
	Software Support Agreement and Battery ADS ECHO	499		499	
	Software Support BitDefender Endpoint Security (A/V)	500		1,500	
	Software Support MS Mail Hosting	1,700		1,800	
	Software Support HP Switches	1,000		1,000	
	Telephone System Support Agreement B&B Networks	2,500		2,700	
	Zoom Professional account	155		155	
	Fire/Security Alarm Systems Support Agreement Siemens	7,112		7,734	
	Fire/Security Alarm Systems Testing & Monitoring (Remote Sites)	3,150		3,500	
	Microsoft Server Select Agreement / Client Select Agreement	4,400		4,700	
	Carbonite Offsite Backup Service	1,200		1,300	
	Web Hosting & Support	1,200		1,300	
	Software Support Agreement ArcGIS (ESRI)	800		800	
Pretreatment	Linko Annual Software License Fee	4,285		4,500	
Pretreatment	SWIFTCOMPLY Annual Service Fee	5,500		5,200	
Flow Metering	RJN Flow Meter Maintenance/Data Analysis	132,000		132,000	
UV	Effluent Ammonia Analyzer Service Contract	6,400		7,200	
Plant Wide	HVAC Refrigeration Repairs	5,000		5,000	
Co-Generation	Switchgear Bi-Annual PM	0		6,000	
	Protection Relay Bi-Annual Calibration	0		4,600	
			\$230,301		\$243,638

**Glenbard Wastewater Authority
CY2023 Operations - Supplies Budget
270 520990**

Item	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Operating Supplies	Operational Supplies				
	Misc. Supplies from Various Vendors	3,400		3,400	
	Yard Hose Replacements	2,500		1,500	
	Primary Clarifier Deodorizer Nozzle Replacements	1,000		1,000	
	Vacuum Hose Repalcement	0		0	
	PRV Covers	4,000		4,000	
	Grit Deodorizer Nozzle Replacements	200		200	
	Belt Filter Press Replacement Belts	0		7,000	
		<hr/>		<hr/>	
				\$11,100	\$17,100

Glenbard Wastewater Authority
CY2023 Operations - Support Budget
270 520991

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Plant Wide	Solid Waste / Recycle Waste Disposal	7,000		8,000	
UV	Recycle Fees	0		0	
		<hr/>		<hr/>	
		\$7,000		\$8,000	

Glenbard Wastewater Authority
CY2023 Professional Services - Other
270 521055

Designation	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Administration	Temporary labor services are billed to this account	4,000		4,000	
		<hr/>		<hr/>	
		\$4,000		\$4,000	

**Glenbard Wastewater Authority
CY2023 Service Charge Budget
270 521130**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Service Charge	Village of Glen Ellyn -- Overhead fees	139,238		145,504	
		<hr/>		<hr/>	
				\$139,238	\$145,504

CY2023 Overhead fees at 4.5% vs the 6.6% CPI-U Chicago increase

Glenbard Wastewater Authority
CY2023 Sludge Disposal - Land App. Budget
270 521150

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Sludge Disposal	Trucking fees for Sludge Removal	220,000		230,000	
		<hr/>			
		Total	\$220,000		\$230,000

**Glenbard Wastewater Authority
CY2023 Telecomm Budget
270 521195**

Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
Peerless Networks	15,000		6,000	
Security Panel (1904)				
SCADA WIN-911 on SCADA 1 & 2 (0958, 0689)				
Dedicated Elevator (1486),				
Brokered Nat. Gas Meter Reader (0407)				
St.Charles Lift Station Fire Panel Primary & Backup				
B&B Technologies SIP Trunk. 911 Service, DID's, E-Fax	0		3,300	
Cell Phone Reimbursements (Matt, Asst. Director, LSC, ERC)	2,400		2,400	
Comcast Internet - Primary ISP	3,300		4,000	
AT&T Internet - Secondary ISP (U-Verse)	1,100		1,100	
Verizon Cellular Service - Phones, tablets	5,800		6,400	
Verizon Cellular Service - RTU Radio Network	3,000		3,200	
		\$30,600		\$26,400

**Glenbard Wastewater Authority
CY2023 Electrical Power Budget
270 521201**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Electrical Power	Fees for Purchase of Electric Power & ComEd Delivery Services	350,000		450,000	
		<hr/>		<hr/>	
		\$350,000		\$450,000	

**Glenbard Wastewater Authority
CY2023 Natural Gas - Brokered - Budget
270 521202**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Nat. Gas - Brokered	Fees for Direct and Brokered purchase of Natural Gas	60,000		65,000	
			\$60,000		\$65,000

**Glenbard Wastewater Authority
CY2023 Water Budget
270 521203**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Water	Fees for Purchase of Potable Water - Village of Glen Ellyn	20,000		20,000	
			\$20,000		\$20,000

Glenbard Wastewater Authority
CY2023 Co-Gen Natural Gas Budget
270 521204

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Natural Gas	Fees for Purchase of Natural Gas (Co-Generation Unit)	5,000		6,000	
		<hr/>		<hr/>	
		\$5,000		\$6,000	

**Glenbard Wastewater Authority
CY2023 Office Supplies Budget
270 530100**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Office Supplies	Supplies for Administrative Management functions (I.e. Office Supplies, Federal Express, UPS, printer/fax, copier supplies, printing)	10,000		8,000	
	Minolta Bus. Sys. Support (copy machine)	2,000		1,500	
	Postage Meter Rental/Postage	1,500		1,500	
	Coffee Machine Services/Supplies	3,000		3,000	
	Total		\$16,500		\$14,000

**Glenbard Wastewater Authority
CY2023 Laboratory Supplies Budget
270 530106**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Laboratory Supplies	Laboratory Consumables and Glassware	17,500		17,500	
			\$17,500		\$17,500

**Glenbard Wastewater Authority
CY2023 Pretreatment Supplies Budget
270 530107**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Pretreatment Supplies	Sampling, Dyes, Test Kits, Tools	1,000		1,000	
Local Limits Evaluation	Consultant Fees for Evaluation	0		24,000	
Public Outreach	Flyers/Brochures/Artwork/Magnets	0		0	
Testing	Annual Local Limit Baseline Testing/NPDES				
	Permit Requirement	3,500		20,000	
			\$4,500		\$45,000

**Glenbard Wastewater Authority
CY2023 Administrative Purchasing Budget
270 530200**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Purchasing	Aerial Photography	0		0	
	Celebrating Success	500		500	
	Office Decorations	500		500	
Total					
			\$1,000		\$1,000

Glenbard Wastewater Authority
CY2023 Safety Budget
270 530225

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Admin	Portable Gas Detection Meter Cal Gas	1,200		1,500	
	Portable Gas Detection Meter Repair/Replacement	2,500		1,000	
	Confined Space Equip. Repairs/Replacement	1,200		1,200	
	Safety Audit	3,500		3,500	
	Safety shoes (\$200 max. allowance)	4,600		4,600	
	Cintas (First Aid Kit Supplies)	4,300		4,300	
	Safety Supplies	6,000		6,000	
	Safety Program Consultations & Training	3,000		3,000	
	Site Safety and Signage	1,000		1,000	
Total			\$27,300		\$26,100

**Glenbard Wastewater Authority
CY2023 Chemical Supplies Budget
270 530440**

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Treatment Costs	Polymer	100,000		85,000	
	Odor Control			5,000	
	Struvite Control			16,000	
	Acid			10,000	
	Hypochlorite			10,000	
	Etc.			20,000	
	Hydrogen Peroxide Odor System (USP Technologies)	50,000		50,000	
		<hr/>		<hr/>	
				\$150,000	\$196,000

Glenbard Wastewater Authority
CY2023 Liquid Oxygen Supply Budget
270 530443

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Cryo	Liquid Oxygen	325,000		335,000	
			\$325,000		\$335,000

Glenbard Wastewater Authority
CY2023 Uniforms Budget
270 530445

Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Uniforms	Uniform Replacements	5,000		5,000	
Total			\$5,000		\$5,000

270-1
STORMWATER PLANT
and
Hill AVENUE LIFT STATION
O&M NARRATIVE

The Glenbard Wastewater Authority Stormwater Plant is only utilized for operation during excess flow events. The Stormwater Plant is capable of processing 58 MGD of combined sewer flow.

The Hill Avenue Lift Station is also an integrated part of the Stormwater Plant. The lift station conveys flow to the plant as a result of flows greater than 2.5 times average daily flows through the Hill Avenue Regulator. The lift station only operates during wet weather events as part of the system that protects the Glenbard Plant from excessive high flow situations created in part by the combined sewers in the northern section of the Village of Lombard.

Budget CY2023

Operations & Maintenance

Division 270-1

Stormwater Plant & Hill Avenue Lift Station

EXPENSES

		Actual CY2021	Budgeted CY2022	Estimated CY2022	Budgeting CY2023	% Difference CY22-CY23	\$ Difference CY22-CY23
Operations & Maintenance							
520775	Regulatory Fees	20,000	20,000	0	20,000	0.0%	0
520970	Maint. - Bldgs. & Grnds. / Support	6,471	10,768	8,864	9,968	-7.4%	(800)
520975	Maint. - Equipment	1,694	5,200	1,243	6,700	28.8%	1,500
520980	Maint. - Electronics	350	2,000	1,357	2,250	12.5%	250
521201	Electric Power	20,509	38,000	40,850	38,000	0.0%	0
521202	Natural Gas	4,431	5,000	4,581	5,000	0.0%	0
521203	Water	1,042	5,000	3,600	5,000	0.0%	0
530105	Operations Supplies	137	1,000	835	1,000	0.0%	0
Commodities							
530440	Chemicals	6,847	60,000	90,406	100,000	66.7%	40,000
Total 270-1		61,482	146,968	151,737	187,918	27.9%	40,950

Glenbard Wastewater Authority
CY2023 Budget - 270-1 - Stormwater Plant & Hill Avenue Lift Station

Item			Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
520775	IEPA Regulatory Fees			20,000		20,000	

Glenbard Wastewater Authority
CY2023 Budget - 270-1 - Stormwater Plant & Hill Avenue Lift Station

Item		Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
		Safety Equipment PM/Repairs	0		0	
		SCADA System PM/Repairs	250		500	
		Telecommunications PM/Repairs	200		200	
				\$2,000		\$2,250
521201	Electricity			\$38,000		\$38,000
521202	Natural Gas	Building Heaters		\$5,000		\$5,000
521203	Water	Hosing, Lab, Chlor/DeChlor carrying water		\$5,000		\$5,000
530105	Operations	Replacement Tools and Yard Hose	1,000		1,000	
				\$1,000		\$1,000
530440	Chemicals	Hypochlorite / Sodium Thiosulfate		\$50,000		\$100,000
		Total 270-1		\$136,968		\$187,918

270-2
NORTH REGIONAL INTERCEPTOR
and
ST. CHARLES RD. LIFT STATION
O&M NARRATIVE

The North Regional Interceptor (NRI) begins at the St. Charles Lift Station located next to Ackerman Park in Glen Ellyn. An 18" diameter force main exits the lift station and runs east down St. Charles Road to the I-355 Tollway, where the sewer turns south and becomes a gravity sewer. From there the NRI runs south 4.5 miles to the Glenbard Plant. The diameter of the NRI changes from 18" to 66" as collection systems from both member Villages enter and add more flow. Glen Ellyn has five connections to the NRI and Lombard has four. Three of the Lombard connections are from combined sewers. The three combined sewers have "regulators" before they enter the NRI. The purpose of these regulators is to limit the amount of storm water that is treated at the Glenbard Plant. This is done by diverting any flow above 2.5 times the average dry weather flow to the Stormwater Plant. These regulators were converted to Vortex Regulators as part of the Stormwater Plant upgrade in 2002.

The St. Charles Road Lift Station receives flow from the Village of Glen Ellyn and the DuPage County sanitary sewer systems. Flows range from 2 million gallons per day (MGD) to 10 MGD due to Inflow and Infiltration (I&I). The new lift station has been designed to operate cost effectively at low and high flow conditions utilizing variable speed drives. These drives control the speed of the pumps versus the previous method of on/off cycling of the pumps. The lift station also has redundant back-up power provided by onsite generation.

Budget CY2023
Operations & Maintenance
270-2
NRI / St. Charles Road L.S.

EXPENSES

		Actual CY2021	Budgeted CY2022	Estimated CY2022	Budgeting CY2023	% Difference CY22-CY23	\$ Difference CY22-CY23
St. Charles Rd. Lift Station							
520970 SC	Maint. - Bldg. & Grnds.	104	950	823	950	0.0%	0
520975 SC	Maint - Equipment	2,325	8,500	6,770	10,100	18.8%	1,600
520980 SC	Maint. - Electronics	1,912	1,500	1,298	1,800	20.0%	300
521201 SC	Electric Power	14,683	20,000	23,689	20,000	0.0%	0
Total		19,023	30,950	32,580	32,850	6.1%	1,900
North Regional Interceptor							
520970 NRI	Maint. - Piping & Grnds.	104	0	0	0	0.0%	0
Total		104	0	0	0	0.0%	0
Total 270-2		19,127	30,950	32,580	32,850	6.1%	1,900

**Glenbard Wastewater Authority
CY2023 Budget - 270-2 NRI / St. Charles Rd. L.S.**

	Item	Recommendations	CY22 Budgeted	Total	CY23 Budgeting	Total
St. Charles L.S.						
520970 SC	Bldg and Grounds	Miscellaneous	150		150	
		Annual RPZ Certification	150		150	
		Annual Fire System Certification	150		150	
				\$450		\$450
520975 SC	Maint. Equip.	Misc Parts/Oils (Post Warranty)	1,500		1,500	
		Generator Diesel Fuel	900		2,500	
		Submersible Pumps Annual Maintenance	5,000		5,000	
		Generator Service	1,100		1,100	
				\$8,500		\$10,100
520980 SC	Maintenance Electronics	Control Panel PM/Repairs	200		200	
		Electrical Distribution PM/Repairs	100		100	
		HVAC Equipment PM/Repairs	200		200	
		Instrumentation PM/Repairs	200		200	
		Lighting Equipment PM/Repairs	100		100	
		Misc Spare Parts	200		200	
		Motor PM/Repairs	200		200	
		SCADA System PM/Repairs	200		500	
		Telecommunications PM/Repairs	100		100	
				\$1,500		\$1,800
521201 SC	Electric Power		20,000		20,000	
				\$20,000		\$20,000
NRI						
520970 NRI	Maint Piping and Grounds	Misc. repairs to the exposed manholes	500		500	
				500		\$500
Total 270-2				\$30,950		\$32,850

270-3
SOUTH REGIONAL INTERCEPTOR
and
VALLEY VIEW LIFT STATION
O&M NARRATIVE

The South Regional Interceptor (SRI) begins at the Valley View Lift Station which conveys flow approximately 1.0 mile before it becomes a .5 mile gravity sewer that flows into the SRI Pump Station. Through the 1.5 miles the pipe diameter changes from 18" to 30" as three additional sewers enter the SRI. The SRI Pump Station pumps the wastewater a short distance to a junction chamber for the NRI, SRI and 22nd Street flow. The junction chamber combines the three (3) interceptor pipes and conveys the flow through a 60" sewer line to the Glenbard Plant. The wastewater in the SRI is exclusively from collection systems operated and maintained by Illinois-American Water, a private utility company regulated by the Illinois Commerce Commission. Glenbard provides wastewater treatment for Illinois-American Water, who pays a user charge for this service to the Village of Glen Ellyn. This responsibility was acquired by the Village of Glen Ellyn as the "Operating Agency" for the Glenbard Wastewater Authority per an Intergovernmental Agreement. This limits the partners of the Glenbard Wastewater Authority to the Village of Glen Ellyn and the Village of Lombard.

The Valley View Lift Station was completely rebuilt during short year 2014 and a portion of calendar year 2015. The project included building a new wet well, valve vault, emergency by-pass pumping capabilities, a new control building that includes a control room, a new generator, and a utility closet. The project also addressed stormwater retention, low cost site maintenance, and site security. The total project cost for the station was \$1,945,190 which is \$32,622 less than the bid award. This project was designed and built with budgeted Capital Improvements Funds.

Budget CY2023
Operations & Maintenance
270-3

EXPENSES

SRI / Valley View L.S.		Actual CY2021	Budgeted CY2022	Estimated CY2022	Budgeting CY2023	% Difference CY22-CY23	\$ Difference CY22-CY23
Valley View Lift Station							
520970 VV	Bldg. & Grnds. Support	104	1,200	8,076	1,200	0.0%	0
520975 VV	Maint. - Equipment	3,828	5,750	4,153	6,500	13.0%	750
520980 VV	Maint. - Electronics	0	500	435	1,000	100.0%	500
521201 VV	Electric Power	6,831	13,000	10,669	13,000	0.0%	0
521203 VV	Water	1,486	2,000	1,387	2,000	0.0%	0
Total		12,249	22,450	24,720	23,700	5.6%	1,250
South Regional Interceptor							
520970	Maint. - Piping & Grnds.	104	0	0	0	0.0%	0
Total		104	0	0	0	0.0%	0
Total 270-3		12,353	22,450	24,720	23,700	5.6%	1,250

Glenbard Wastewater Authority
CY2023 Budget - 270-3 - SRI / Valley View L.S.

DESIGNATION	Item	Recommendation	CY22 Budgeted	Total	CY23 Budgeting	Total
Valley View Lift Station						
520970 VV	Bldg./Grnds - Support	Miscellaneous	1,000		1,000	
		Annual RPZ Certification	200		200	
				\$1,200		\$1,200
520975 VV	Maint. Equip.	Misc Parts/Oils (Post Warranty)	1,500		1,500	
		Generator Diesel Fuel	750		1,500	
		Pump Maintenance	2,000		2,000	
		Generator Service	1,500		1,500	
				\$5,750		\$6,500
520980 VV	Maint, Electronics	Control Panel PM/Repairs	50		50	
		Electrical Distribution PM/Repairs	100		100	
		HVAC Equipment PM/Repairs	100		100	
		Instrumentation PM/Repairs	100		100	
		LAN PM/Repairs	0		0	
		Lighting Equipment PM/Repairs	50		50	
		Motor PM/Repairs	100		100	
		SCADA System PM/Repairs	0		500	
		Telecommunications PM/Repairs	0		0	
				\$500		\$1,000
521201 VV	Electricity			\$13,000		\$13,000
521203 VV	Water			\$2,000		\$2,000
				\$0		\$0
Total 270-3				\$22,450		\$23,700

Capital

GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

REVENUE in Thousands \$	Footnotes	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)	CY(2031)	CY(2032)	CY(2033)	CY(2034)	CY(2035)	CY(2036)	CY(2037)	CY(2038)	CY(2039)	CY(2040)	CY(2041)	CY(2042)	CY(2043)
		Estimated	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing	1	1392	6000		20	2300	4800	5000		30000	0	0	0	0	0	0	0	0	0	0	0	0	0
Investment Income		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Glen Ellyn Conn Fees		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Lombard Conn Fees		56	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Demand Response Program	2	26	26	27																			
Leachate Revenue	3	60	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Fats Oil & Grease (FOG) / Industrial Waste Tipping Fees	4	150	100	100	100	100	100	100	100	100	100	100	100	100	100								
Cell Tower Revenue	5	64	67	71	76	80	85	90	96	101	107	114	121	128	136	144	152	162	171	182	192	204	216
Operating Surplus Transfers	6	155	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Pretreatment Fines		0	0																				
Renewable Energy Credits		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Misc. Revenue		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Capital Fund Contribution - Glen Ellyn		1687	1696	1713	1735	1757	1779	1801	1823	1846	1869	1892	1916	1940	1964	1989	2014	2039	2064	2090	2116	2143	2170
Capital Fund Contribution - Lombard		2027	2064	2094	2120	2147	2174	2201	2228	2256	2284	2313	2342	2371	2401	2431	2461	2492	2523	2555	2587	2619	2652
Total Capital Fund Contribution	7	3714	3761	3808	3855	3903	3952	4002	4052	4102	4154	4206	4258	4311	4365	4420	4475	4531	4588	4645	4703	4762	4821
TOTAL REVENUE		5693	10147	4199	4224	6577	9130	9385	4440	34497	4554	4612	4672	4732	4794	4757	4820	4886	4952	5019	5088	5159	5231
EXPENSES in Thousands \$		CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)	CY(2031)	CY(2032)	CY(2033)	CY(2034)	CY(2035)	CY(2036)	CY(2037)	CY(2038)	CY(2039)	CY(2040)	CY(2041)	CY(2042)	CY(2043)
Debt Service Payments:		Estimated	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Ana Digester Project Debt Payment (P&I)	8	637	637	637	319																		
Final Clarifier Project Debt Payment (P&I)								293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293
Biosolids Project Debt Payment (P&I)	9	16	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142
Primary Clarifier Project Debt Payment (P&I)				343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343
Chem P Debt Payment (P&I)							147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
CSO Plant Rehab Debt Payment (P&I)									305	305	305	305	305	305	305	305	305	305	305	305	305	305	305
Biological Nutrient Removal Debt Payment (P&I)											1915	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915
FIP Debt Payment Actual (P&I)	10	1022	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021
Debt Service Payment Subtotal		1676	1800	2143	1825	1506	1653	1946	2251	2251	4166	4166	4166	4166	4166	4166	4166	4166	4166	4166	3145	3145	3145
Debt Service Subtotal		1676	1800	2143	1825	1506	1653	1946	2251	2251	4166	4166	4166	4166	4166	4166	4166	4166	4166	4166	3145	3145	3145
Capital Improvements																							
Property Acquisition		0	550																				
Capital Improvement Projects																							
Vehicle and Equipment Replacement	11	0	313	161	33	208	82	130	130	130	130	130	130	183	130	130	62	130	130	130	130	130	49
Small Capital Projects	12	516	325	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Infrastructure Improvements	13	56	109	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Roof Replacements - Updated based on Repl. Schedule	14	247	0	0	133	212	259	100	80	53	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Equipment Rehabilitation	15	229	571	1060	200	600	600	600	600	200	600	600	600	600	200	600	600	600	600	200	600	600	600
Atomospheric Vaporizer Lease	16	20	20	20	20	20	20	20	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0
MCC Replacements	17	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
PLC Replacements - Campus Wide	18	40	40	40	40	40	40	40	40	40	40	40	40	40	40	300	40	40	40	40	40	40	40
Unox Deck Replacements*	19	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0
DuPage River Salt Creek Work Group Assmt for Watershed Projects	20	289	260	260	260																		
Electric Service Distribution System Rehabilitation Project																							
Engineering		0	0																				
Construction		500	0																				
RAS Pump Station Rehabilitation*		79	0																				
Biosolids Dewatering Improvement Project																							
Engineering		17	0																				
Construction		1392	0																				
Primary Clarifier & Gravity Thickener Improvements Project	21																						
Engineering		243	600																				
Construction		0	6,000																				
Electronic O&M Manuals	22		380																				
Bemis Road, Administrative Parking Lot Improvements, and Plant/CSO Resurfacing	23		1100											200					200				
Facility Plan				200					200					200									
RAS Mag Meter Replacement*				60																			
Primary Sludge Direct Digester Feed				400																			
Collection System Televising					350					350					350					350			
South Sludge Lagoon Cleanout					200																		
Grit Washer #1 and Grit Blower Flow Meter Replacement*					225																		
Grit Washer #2 and Effluent Meter Replacement*					225																		
Intermediate Clarifier Rehabilitation						1200																	
Intermediate Pumping Station Rehabilitation						1900																	
Chemical Phosphorus Removal (1.0 mg/L)						2300																	
Final Clarifier Rehabilitation							4800																
CSO Plant Rehab, Barscreen & Grit Collection System Upgrade								5000															
Carbo RAS Meter & Final Clarifier RAS Waste Pump VFD Replacement*								210															
Grit Removal Chamber #1 Replacement*									225														
Grit Removal Chamber #2 & Blower Replacement*									345														
Anticipated Future Projects per the 20 Year 2013 Facility Plan.																							
Biological Nutrient Removal										30000													
Project Total		3867	9958	2791	2276	7070	6391	6690	2235	31388	1260	1260	1260	1513	1210	1520	1192	1260	1460	1210	1260	1260	1179
IFT/DEBT SERVICES / PROJ TOTAL		5543	12308	4934	4101	8576	8044	8636	4486	33639	5426	5426	5426	5679	5376	5686	5358	5426	5626	5376	4405	4405	4324
Cash on Hand 1/1		4844	4994	2833	2099	2222	222	1309	2058	2012	2870	1998	1184	430	(517)	(1099)	(2028)	(2566)	(3106)	(3781)	(4137)	(4137)	(3454)
Gain/Loss FY		150	(2161)	(735)	123	(1999)	1086	749	(46)	858	(872)	(814)	(754)	(947)	(582)	(929)	(538)	(540)	(674)	(357)	683	754	907
Cash on Hand 12/31		4994	2833	2099	2222	222	1309	2058	2012	2870	1998	1184	430	(517)	(1099)	(2028)	(2566)	(3106)	(3781)	(4137)	(3454)	(3383)	(2547)

* = Process Equipment Replacement/Work Done In-House
All other projects include a 15% contingency and Engineering, Legal, & Admin @ 15% of the Construction Cost

CY2023

FUND 40 CAPITAL FOOTNOTES

(1) Proceeds From Borrowing (\$6,000,000):

This line item depicts the borrowing in CY2023 to help fund the Primary Clarifier Rehabilitation Project. The total amount being requested to borrow is estimated to be \$6,000,000. The 20-year Debt payment is scheduled to begin in CY2024.

(2) Demand Load Response Program (\$26,000)

In CY2018 the EOC approved the Authority to enter into a Demand Load Response program. Since we have the ability to use the backup generators to remove ourselves from the power grid, the power companies ask that we remain available to do so in the event their demand is too high for any given period. For remaining available to do so we are granted some revenue. This is a 6-year program and will end in CY2023, at which point it may be renewed.

(3) Leachate Revenue (\$17,000):

For many years the Authority has been accepting leachate from Waste Management. Leachate is water drained from closed landfills, and is generally inert in nature. Historically, the Authority saw a revenue of anywhere between \$100,000 upwards some years to near \$200,000. Leachate flow is heavily dependent on rainfall, so if less than average precipitation amounts are experienced, there will be a decrease in leachate revenue, and likewise for higher amounts of rainfall. Unfortunately, over the course of 2022, the Authority has realized a significant decline in the amount of leachate being brought in. This is mostly related to hauling logistics, and that Waste Management has been building direct pipelines from closed landfills to wastewater treatment plants, all of which are closer geographically to the landfills than the Authority.

(4) Fats Oil & Grease (FOG)/Industrial Waste Tipping Fees (\$100,000)

In CY2016 upon the completion of the Combined Heat and Power Engines and the FOG receiving station, the EOC approved the acceptance of these materials in order to generate revenue (\$0.05/gallon). The program was put on a moratorium in August 2017 during a major biological upset, but was restarted again in April 2018 after thorough research into proper methods. Historically, \$75,000 had been budgeted for revenue, but as the program has grown so has revenue, allowing this budgetary number to be increased.

(5) Cell Tower Revenue (\$63,600):

In CY2016 the Authority and the Village of Glen Ellyn negotiated with TowerCo to build a new tower capable of accepting up to four carriers. The new tower was built in CY2017, and added Verizon as a carrier, therefore adding our anticipated revenue from leasing the land for the cellular tower. In CY2019 TowerCo/the Village allowed for T-Mobile to also be added, increasing the revenue from about \$53,000/year to \$75,000/year. However, T-Mobile still has yet to install their equipment, so the additional revenue has not been seen. There is no anticipated date for the equipment installation either, so a conservative number was chosen for this revenue item. This could be increased if an additional carrier signs onto the tower, as there is still room for one more carrier.

(6) Operating Surplus Transfers (\$155,452):

The EOC approved the audit reported CY2021 O&M surplus to be transferred to the Capital Fund 40 at the June 9, 2022 meeting.

(7) Capital Fund Contributions (\$3,760,663):

The Capital Improvement Fund 40 relies on dedicated contributions from both communities to support GWA capital expenses. The current rate of increase for the Capital Fund is calculated at 1.25% annually. In prior years, this increase was variable, but starting in CY2018 it was targeted to be a constant 1% increase annually. In CY2022 it was realized the target needed to be higher, hence the 1.25% beginning in CY2023. Due to inflation, price material escalations, and other market factors – the contribution increase may need to be increased in the near future to account for future projects.

(8) Anaerobic Digester Improvement Project Debt Payment (\$637,001):

This is the principal and interest payment for the IEPA Loan utilized for the 2007-2013 installation of a new 80' digester at the Glenbard Plant. Also included in this project was some cleanup work from the BIP Project. The amount of the loan was \$7,543,026 to be paid back over fifteen (15) years at an interest rate of 2.5%. Substantial completion was awarded near the end of FY2011. Final Completion of the Anaerobic Digester Project was awarded in November 2013.

(9) Biosolids Dewatering Improvements Project Debt Payment (\$142,175):

This is the principal and interest payment for the IEPA Loan utilized for the 2021 Biosolids Dewatering Improvements Project. The amount of the loan was \$2,490,750 to be paid back over twenty years at an interest rate of 1.35%, however, only \$2,085,000 of the approved loan amount is expected to be used. Repayments are expected to start in early 2023.

(10) Facility Improvement (FIP) Debt Payment Actual (Principal & Interest) (\$1,020,863)

This is the principal and interest payment for the IEPA loan utilized for the 2016 Facility Improvement Project, which included the installation of new tertiary filters, a new raw pump station, and new plant utilities. The total amount of the loan to be paid back is \$16,725,000 to be paid back over 20 years at an interest rate of 1.75%. Substantial Completion of this project was achieved in July 2020.

(11) Rolling Stock (\$313,00):

GWA had budgeted to replace a F250 Pickup/Plow truck in CY2022, however, due to supply chain issues, the Authority was advised this purchase would not be possible – and is therefore deferred to CY2023. In addition, the Authority plans to replace its crane truck in CY2023, as the existing crane truck is nearing the end of its useful life, and it is a heavily used piece of equipment.

(12) Small Capital Improvements (\$325,000):

This cost center provides for small capital improvements, such as miscellaneous equipment, property demolition, small projects, materials and small projects.

(13) Infrastructure Improvements (\$109,000):

This cost center provides for various infrastructure improvements throughout the GWA Facilities, which would include underground work on various plant utilities.

(14) Roof Replacements (\$0):

This year GWA will be taking a hiatus on minor roofing replacements at the Glenbard Plant while we evaluate the updated plan for future needs.

(15) Plant Equipment Rehabilitation (\$570,730):

This cost center provides for various equipment rehabilitations throughout the GWA Facilities, such as work on sewers and lift stations, and rehabilitating existing equipment. Specifically, in CY2023, the Authority intends to perform some significant rehabilitation to its interceptors, as a considerable need for it was revealed in a recent study performed in CY2021

(16) Atmospheric Vaporizer Lease (\$20,000)

In CY2017 the Authority decommissioned its aging cryogenic plant that was used to create pure oxygen and begin hauling in liquid oxygen produced offsite. In order to meet the needs of this new process,

atmospheric vaporizers were leased, as it was determined more cost effective to lease them than purchase them.

(17) Motor Control Center (MCC) Replacements (\$140,000)

Sufficient replacement funds should be established to support the rehabilitation and replacement efforts necessary to ensure continued operation of all equipment onsite, and to maintain safe electrical equipment. Based on the estimated replacement costs provided in the facility plan, it is recommended that the Authority budget to replace all of the identified equipment over the next ten years. In addition, it is recommended that as part of each capital improvements project that the Authority completes that the MCC's identified be incorporated into the scope of the project. The overall budgeted values should then be updated based on the improvements that have been completed at the end of each year.

(18) Program Logic Controller (PLC) Replacements (\$40,000)

Sufficient replacement funds should be established to support the rehabilitation, repair, and replacement efforts necessary to ensure the continued future reliability of the aging instrumentation and control equipment, as well as to take advantage of new technology. Based on the estimated replacement costs provided, it is recommended that the Authority budget to replace all of the identified equipment over the next ten years. In addition, it is recommended that as part of each capital improvements project that the Authority completes that the PLC's identified be incorporated into the scope of the project. The overall budgeted values should then be updated based on the improvements that have been completed at the end of each year. Typically, the capital fund would designate \$130,000 per year for this item. However, after purchasing new PLC's and having them installed in CY2021 for a cost of \$216,000, this item has been lowered to \$40,000 per year in order to begin budgeting for future years.

(19) Unox Deck Replacements (\$100,000)

Due to the age and condition of the equipment and structures on the Unox deck, the high cost of complete replacement, and the strong possibility of needing a new process due to future regulations – the facility plan recommended budgeting \$100,000 every year until the anticipated plant upgrade in order to anticipate various replacements for failed equipment and rehabilitation of structures.

(20) DuPage River Salt Creek Work Group (\$259,999):

The project initiatives that the East / West Branch DuPage River & Salt Creek watersheds are providing to the IEPA are imperative to the impacts of the nutrient standards relating to point source dischargers. The work

group has been recognized by the IEPA as a leader in developing remediation to stream standards particularly relating to habitat improvements. The work group believes that stream remediation is the path to healthier streams and rivers versus the implementation of overly stringent nutrient discharge limits for phosphorus and total nitrogen. Educating communities about chloride utilization, storm water best management practices, and the discontinued use of coal tar sealants have also been important functions provided by this group. The IEPA has granted the Authority with first of two potential permit cycles (10) years without impending NPDES limits for phosphorus. If the Authority fails to support the assessed fees as agreed to per the commitment agreement with the DRSCWG we may be facing a phosphorus limit as low as .1 mg/l versus a 1.0 mg/l. In CY2021, the EOC approved entering into an additional 3 years of this special assessment from the workgroup to continue avoiding regulations related to phosphorus

(21) Primary Clarifier Improvements Project Engineering & Construction (Phase 1 & 2) (\$600,000 and \$6,000,000)

This project consists of three separate projects that were broken down individually in previous budgets (Primary Clarifier Improvements, Primary Grit Odor Control Improvements [Phase 1 & 2], and Gravity Thickener Improvements. These projects were combined due to an economy of scale due to their adjacent locations within the plant, and similar scope of work. Below are individual descriptions of the projects that are now combined into one:

As part of the 2018 Facility Plan, a comprehensive Odor study was performed, with one of the recommendations being to construct additional odor control measures at the preliminary treatment processes. Preliminary treatment processes are typically major sources of odor emissions for liquid stream treatment, and generally consist of raw sewage pumps, grit removal, and screening. GWA has two separate facilities for raw sewage pumping, screening, and grit removal. The majority of the raw sewage pumping and screening is contained. Additionally, the grit building had the HVAC system replaced as part of the Facilities Improvements Project. The recommendation in the Facility Plan was a two phased approach, in which the first phase would be to install primary clarifier launder covers, which essentially cover the areas of the primary tanks that emit the greatest odors. Phase two proposed to install a complex system that would draw the air out from under those covers, and treat it in a biological system that would remove the odorous components of the air. However, phase two was a multi-million-dollar effort, and due to other recent improvements, it may no longer be necessary. Therefore, at this time, the Authority is planning to move forward with phase one, which will require outside consultant engineering to assist in design, and a public bidding process for installation. If the

phase one improvements do not prove to be completely successful for mitigating odors, the Authority can evaluate moving into phase two.

Also as part of the 2018 Facility Plan, recommendations were put together to continually plan to replace existing equipment as it exceeds its recommended useful life. Although existing equipment may still be functional, as it passes the age of its recommended useful life, it is prone to failure. If failure occurs, the Authority could be at risk of violating its permit, or having to perform emergency repairs that may be more costly. In 2022, the plan calls out to rehabilitate the Gravity Sludge Thickener. Portions of the work would be performed in-house, and would consist of evaluating the purchase of a new cover, replacing the collector, the drive, and motor. A breakdown of the individual equipment costs is located in the facility plan.

Primary treatment at the GAWTF includes two circular primary sedimentation tanks which perform solids and organic removal prior to biological treatment. Effluent from these clarifiers is combined with RAS from the intermediate clarifiers and split between the carbonaceous stage of the secondary treatment process. Primary sludge is pumped from the bottom of the clarifiers to the gravity sludge thickener. Scum is skimmed from the top of the primary clarifiers and is discharged via scum pots to a Lakeside wedge wire scum screen before being disposed of in the landfill. All gates at the primary diversion structure are original to construction of the plant. Due to the age of the equipment, a capital replacement project has been developed for the primary clarifier mechanisms, primary sludge pumping equipment, associated electrical work, as well as general site work. The complexity of the design of these improvements will require an outside design consultant, and some assistance with construction engineering. Since this work would be located in the same vicinity as the Primary Grit Odor Control Improvement, these two projects would be tied together for economy of scale.

Budget CY2023
Glenbard Treatment Facility
Fund 40 Capital Plan
Capital Improvements Detail

	Estimated CY2022	Budgeting CY2023
PROCEEDS FROM BORROWING	1,391,855	4,000,000
INVESTMENT INCOME	20,000	20,000
CONNECTION FEES - GLEN ELLYN	25,000	25,000
CONNECTION FEES - LOMBARD	56,000	50,000
ENERNOC DEMAND RESPONSE PROGRAM	26,000	26,000
LEACHATE REVENUE	60,000	17,000
FATS OIL & GREASE (FOG) / INDUSTRIAL WASTE TIPPING FEES	150,000	100,000
CELL TOWER REVENUE	63,600	67,416
OPERATING SURPLUS TRANSFERS	155,452	50,000
PRETREATMENT FINES	0	0
RENEWABLE ENERGY CREDITS	30,000	30,000
MISCELLANEOUS REVENUE	1,000	1,000
EQUIPMENT REPLACEMENT FUND		
	GLEN ELLYN - 45.11%	1,686,820
	LOMBARD - 54.89%	2,027,415
REVENUES TOTAL:	5,693,142	8,147,079
PRINCIPAL & INTEREST:		
IEPA FIP PRINCIPAL	749,300	762,470
IEPA FIP INTEREST	273,169	258,393
IEPA BIOSOLIDS PRINCIPAL	11,183	109,224
IEPA BIOSOLIDS INTEREST	4,931	32,951
IEPA DIGESTER PRINCIPAL	587,599	602,381
IEPA DIGESTER INTEREST	49,402	34,621
PRINCIPAL & INTEREST TOTALS:	1,675,583	1,800,040
CAPITAL IMPROVEMENTS		
PROPERTY ACQUISITION		
SPENT/ESTIMATED TO SPEND	0	550,000
CAPITAL IMPROVEMENT PROJECTS		
VEHICLE AND EQUIPMENT REPLACEMENT	0	313,000
SMALL CAPITAL PROJECTS	516,103	325,000
INFRASTRUCTURE UPGRADES	55,500	109,000
ROOF REPLACEMENTS	247,185	0
PLANT EQUIPMENT REHABILITATION	229,000	570,730
CRYO MAINTENANCE/ATMOSPHERIC VAPORIZER PURCHASE OR LEASE	20,000	20,000
MCC REPLACEMENTS	140,000	140,000
PLC REPLACEMENTS	40,000	40,000
UNOX DECK REPLACEMENTS	100,000	100,000
DUPAGE RIVER SALT CREEK WORKGROUP ASSESSMENT	288,888	259,999
ELECTRONIC O&M MANUALS	0	380,000
ADMINISTRATION PARKING LOT AND PLANT (MAIN & CSO) RESURFACING	0	1,100,000
PRIMARY CLARIFIER & GRAVITY THICKENER REHABILITATION ENGINEERING	243,000	600,000
PRIMARY CLARIFIER & GRAVITY THICKENER REHABILITATION CONSTRUCTION	0	6,000,000
RAS PUMP STATION REHABILITATION	78,889	0
BIOSOLIDS DEWATERING EQUIPMENT REPLACEMENT ENGINEERING	17,284	0
BIOSOLIDS DEWATERING EQUIPMENT REPLACEMENT CONSTRUCTION	1,391,855	0
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT CON. ENG	0	0
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT	499,673	0
CAPITAL IMPROVEMENTS TOTALS:	3,867,377	9,957,729
PRINCIPAL & INTEREST / CAPITAL IMPROVEMENTS TOTALS	5,542,960	12,307,769

**Glenbard Wastewater Authority
CY2023 Small Capital Improvement
40 580120**

Designation	Recommendations	CY22 Budgeted	CY22 Estimated	CY23 Budgeting
	Miscellaneous Office Furniture Upgrades	2,000	2,000	2,000
	Property Demolition	60,000	38,650	0
	Solar Feasibility Study	0	0	30,000
	Interior LED Lighting	0	0	30,000
	Health & Wellness- Exercise Equipment Upgrades	1,000	1,000	1,000
	Software Upgrades (OS & Application)	6,000	5,000	6,000
	Workstation Replacements SCADA & LAN	2,000	2,000	2,000
	Generator Battery Replacement	10,000	0	0
	UPS Battery Replacement	10,000	0	0
	CNC Machine	20,000	0	0
	Metal Cutting Bandsaw	15,000	15,000	0
	Final RAS Header Repair	0	139,953	0
	Grinder Exchange Program	25,000	25,000	25,000
	Metal Stock and Metal for Various Projects	5,000	5,000	5,000
	PVC Pipe, Fittings and Valves	5,000	5,000	5,000
	Combined Heat & Power Spare Parts	10,000	10,000	10,000
	Screw Pump - Lower Bearing Replacement	10,000	0	10,000
	Property Boundary Landscape Clearing/Improvements	8,000	0	8,000
	Rehabilitate/Replace Instrument Air Compressor	60,000	0	60,000
	Acquired Property Fence Line	53,000	53,000	0
	UVT Study	15,000	24,000	0
	Fire Alarm System Upgrade	235,000	190,500	0
	Admin HVAC Humidity Fix	20,000	0	20,000
	UNOX LEL Monitoring Equipment Replacement	0	0	20,000
	UHF Two-Way Radio/Battery Replacement	0	0	20,000
	Arc Flash Protectice Suit/Headgear/Gloves	0	0	5,000
	FOG Feed and Digester Transfer Flow Meter Replacement	0	0	20,000
	UV System Toriodal Transformers		0	40,000
	Miscellaneous Laboratory Equipment	6,000	0	6,000
	Grand Total	\$578,000	\$516,103	\$325,000

Glenbard Wastewater Authority
CY2023 Infrastructure Improvement
40 580140

Designation	Recommendations	CY22 Budgeted	CY22 Estimated	CY23 Budgeting
	Campus Surveillance System Design	20,000	0	20,000
	Campus Surveillance System Installation	0	0	50,000
	Remote Sites Cellular Radio Replacement	40,500	40,500	0
	Cisco 2911 Integrated Services Router Replacement	5,000	5,000	0
	Distribution System PM/Testing Development	15,000	0	15,000
	Routine Interior Painting (see schedule)	20,000	0	24,000
	Roof Replacement Consulting	10,000	10,000	0
	Grand Total	\$110,500	\$55,500	\$109,000

**Glenbard Wastewater Authority
CY2023 Plant Equipment Rehabilitation
40 580150**

Designation	Recommendations	CY22 Budgeted	CY22 Estimated	CY23 Budgeting
Glenbard Plant	Moyno Pumps Spare Parts (Total of 10 Moyno Pumps)	25,000	20,000	25,000
	Annual Collection System Rehabilitation Funding (Televising, Repairs, etc.)	350,000	45,000	310,730
	Collection System Rehabilitaiton Engineering	55,000	77,000	50,000
	Digester Condensate Drain Replacement	15,000	0	0
	Digester Cleaning	0	0	70,000
	Digester Mixing Pump Rebuild	15,000	0	0
	Primary Check Valve Replacement	10,000	0	0
	Siloxane and Hydrogen Sulfide Media Replacement	100,000	82,000	100,000
	Grit Chamber Rehabilitation - Steel, Redwood, Chain & Sprockets	5,000	5,000	5,000
	Concrete Lining System	10,000	0	10,000
	Annual Lift Station Rehabilitation Funding	50,000	0	0
Grand Total		\$635,000	\$229,000	\$570,730

Glenbard Wastewater Authority Roof Replacement Schedule
CY 2023 -- Roof Replacement Cost Based on \$34.21836288/ sq. ft.

Building Code	Building Description	Roof Installation Year	Known Issues	Existing Roof Type	2017 Showalter Useful Life	Recommended Replacement Type	Square Footage	Warranty Expires	Scheduled Assessment	Scheduled Replacement	Roof Replacement Estimation
A	Bar Screen	1993		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	3 - 5	Existing Type	1,500	Expired	2019	2022	\$ 49,353
J	Pump & Metering	1996		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	3 - 5	Existing Type	1,224	Expired	2019	2022	\$ 40,272
N	Warehouse	1998		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	2 - 3	Existing Type	2,490	Expired	2019	2022	\$ 81,927
CSO-C	Tin Shed	unknown	Leaks	unknown		Standing Metal Seam	1,024	Expired	2019	2022	\$ 33,692
B	Raw Pump	2008		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	3 - 5	Existing Type	3,575	Expired	2022	2025	\$ 132,313
U	Digesters	2005/2008		White, Thermoplastic (TPO) Fully Adhered EPDM	6 - 10	Existing Type	5,500	Expired	2022	2026	\$ 211,701
S	Maint. Shop	2008		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	6 - 10	Existing Type	6,460	Expired	2022	2027	\$ 258,598
Q	Cryo	2010		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	5 - 10	Existing Type	2,400	2020	2022	2028	\$ 99,916
D	Pri. Diversion	2010		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	12 - 15	Existing Type	207	2020	2022	2029	\$ 8,963
F	Unox	2010		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	12 - 15	Existing Type	608	2020	2022	2029	\$ 26,325
H	Screw	2010		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	12 - 15	Existing Type	1,020	2020	2022	2029	\$ 44,163
P	Truck Bay (Lower Roof)	2010		Fully adhered white, TPO		Existing Type	323	Expired	2022	2030	\$ 14,544
P	FOG Tank (Lower Roof)	2010		4 ply, figerglass felts, Type VI in asphalt w/gravel surface		Existing Type	722	2020	2022	2030	\$ 32,511
R	Admin	2012		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	5 - 8	Existing Type	6,996	2022	2022	2031	\$ 327,624
C	Grit	2012		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	12 - 15	Existing Type	1,227	2022	2022	2032	\$ 59,759
V	CoGen	2012	Leaks	4 ply, figerglass felts, Type VI in asphalt w/gravel surface	10 - 15	Existing Type	2,552	2022	2019	2032	\$ 124,291
CSO-A	A Raw Pump (South Building)	2012		4 ply, figerglass felts, Type VI in asphalt w/gravel surface		Existing Type	3,025	2022	2022	2033	\$ 153,221
CSO-B	B Grit (North Building)	2012		4 ply, figerglass felts, Type VI in asphalt w/gravel surface		Existing Type	1,600	2022	2022	2033	\$ 81,042
Y	CHP	2016		Black/White Fully adhered, TPO		Existing Type	3,948	2026	2022	2034	\$ 207,971
LS-St. Ch	St. Charles Rd LS	2011		Standing Metal Seam		Existing Type	896	2021	2022	2040	\$ 59,722
LS-VV	Valley View LS	2015		Standing Metal Seam		Existing Type	2,500	2025	2022	2040	\$ 166,635
T	CRAS / Electronics	2018		4 ply, figerglass felts, Type VI in asphalt w/gravel surface		Existing Type	2,915	2028	2038	2048	\$ 265,908
P	Press (Upper Roof)	2018		4 ply, figerglass felts, Type VI in asphalt w/gravel surface		Existing Type	2,750	2028	2038	2048	\$ 250,857
O	UV	2019		4 ply, figerglass felts, Type VI in asphalt w/gravel surface		Existing Type	4,250	2029	2039	2049	\$ 403,195
Z	SRI	2019		Asphalt Shingle		Existing Type	1,000	2029	2039	2049	\$ 94,869
L	Filter	2020		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	2 - 3	Existing Type	12,912	2030	2019	2050	\$ 1,273,952
E	Scum	2021		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	1 - 5	Existing Type	1,050	2031	2019	2051	\$ 107,741
G	ATAD	2021		4 ply, figerglass felts, Type VI in asphalt w/gravel surface	3 - 5	Existing Type	540	2031	2019	2051	\$ 55,410

price increase year over year 1.04
CURRENT Budget Year 2023

Annual Total			
Year	Assessment Cost	Replacement Cost	TOTAL BUDGET
2020	\$ -	\$ -	\$ -
2021	\$ -	\$ -	\$ -
2022	\$ 3,200	\$ 205,244	\$ 209,000
2023	\$ -	\$ -	\$ -
2024	\$ -	\$ -	\$ -
2025	\$ -	\$ 132,313	\$ 133,000
2026	\$ -	\$ 211,701	\$ 212,000
2027	\$ -	\$ 258,598	\$ 259,000
2028	\$ -	\$ 99,916	\$ 100,000
2029	\$ -	\$ 79,450	\$ 80,000
2030	\$ 5,000	\$ 47,055	\$ 53,000
2031	\$ -	\$ 327,624	\$ 328,000
2032	\$ -	\$ 184,050	\$ 185,000
2033	\$ -	\$ 234,263	\$ 235,000
2034	\$ -	\$ 207,971	\$ 208,000
2035	\$ -	\$ -	\$ -
2036	\$ -	\$ -	\$ -
2037	\$ -	\$ -	\$ -
2038	\$ 400	\$ -	\$ 1,000
2039	\$ 400	\$ -	\$ 1,000
2040	\$ -	\$ 226,357	\$ 227,000
2041	\$ -	\$ -	\$ -
2042	\$ -	\$ -	\$ -
2043	\$ -	\$ -	\$ -
2044	\$ -	\$ -	\$ -
2045	\$ -	\$ -	\$ -
2046	\$ -	\$ -	\$ -
2047	\$ -	\$ -	\$ -
2048	\$ -	\$ 516,764	\$ 517,000
2049	\$ -	\$ 498,064	\$ 499,000
2050	\$ -	\$ 1,273,952	\$ 1,274,000
2051	\$ -	\$ 163,151	\$ 164,000
2052	\$ -	\$ -	\$ -
2053	\$ -	\$ -	\$ -
2054	\$ -	\$ -	\$ -
2055	\$ -	\$ -	\$ -
2056	\$ -	\$ -	\$ -

Unit No.	Purchase Year	Unit Description	Scheduled Replacement	Purchased Price	Anticipated Sale Income	Appreciated Planned Year Purchase Cost*	Total Replacement Cost	Year	Annual Vehicle Budget
643	2012	F250 Pick Up w/plow (Fuel Truck)	2023	\$ 29,799	\$ -	\$ 37,051	\$ 37,051	HOLD	\$ 264,000
644	2012	Crane Truck	2023	\$ 122,375	\$ -	\$ 152,158	\$ 275,000		
642	2010	Dodge Grand Caravan	2024	\$ 19,916	\$ -	\$ 26,279	\$ 26,279	2022	\$ -
646	2014	F350 Maintenance Truck	2024	\$ 62,816	\$ -	\$ 76,572	\$ 76,572	2023	\$ 313,000
647	2014	F450 Dump Truck with Plow	2024	\$ 47,052	\$ -	\$ 57,356	\$ 57,356	2024	\$ 161,000
637	2009	Bobcat Skidsteer	2025	\$ 24,018	\$ -	\$ 32,972	\$ 32,972	2025	\$ 33,000
611	2004	Volvo Semi-Tractor	2026	\$ 76,425	\$ -	\$ 118,151	\$ 118,151	2026	\$ 208,000
648	2015	Explorer (Director's Vehicle - 7 year cycle)	2026	\$ 27,659	\$ -	\$ 34,390	\$ 34,390	2027	\$ 82,000
633	2006	Godwin 8" Trailer Mounted Pump	2026	\$ 37,181	\$ -	\$ 55,249	\$ 55,249	2028	\$ 31,000
649	2015	F350 with Utilimaster Body (Electric)	2027	\$ 35,875	\$ -	\$ 45,498	\$ 45,498	2029	\$ 101,000
TBN	2017	Polaris Gem eM1400 (Dump Bed Cart)	2027	\$ 14,532	\$ -	\$ 17,714	\$ 17,714	2030	\$ 60,000
TBN	2017	Polaris Gem eM1400 (Cart)	2027	\$ 14,831	\$ -	\$ 18,079	\$ 18,079	2031	\$ -
605	2016	C-Max Hybrid (Pretreatment)	2028	\$ 24,294	\$ -	\$ 30,811	\$ 30,811	2032	\$ 241,000
625	2016	Vac-Tron Vacuum Trailer with Jetter	2029	\$ 77,497	\$ -	\$ 100,251	\$ 100,251	2033	\$ -
630	2006	Tandem Dump Trailer	2030	\$ 37,181	\$ -	\$ 59,803	\$ 59,803	2034	\$ -
627	2020	Ford Utilimaster Low Cube (Electrical - orig. 2017)	2032	\$ 46,000	\$ -	\$ 58,339	\$ 58,339	2035	\$ 62,000
610	2002	John Deere Wheel Loader	2032	\$ 86,500	\$ -	\$ 156,683	\$ 156,683	2036	\$ -
600	2017	Bobcat 250 EFI (Mounted on Crane Truck)	2032	\$ 4,570	\$ -	\$ 6,151	\$ 6,151	2037	\$ -
606	2017	Millermatic 350P w/Gun Push-Pull XR-A Aluma-Pro	2032	\$ 5,699	\$ -	\$ 7,670	\$ 7,670	2038	\$ -
620	2017	Miller TIG/Stick Dynasty 350	2032	\$ 8,946	\$ -	\$ 12,040	\$ 12,040	2039	\$ -
627	2020	Ford F-350 XL 4x2 Chassis Cab w/enclosed utility body (Electric)	2035	\$ 45,468	\$ -	\$ 61,194	\$ 61,194	2040	\$ -
612	2021	Daewoo Fork Lift	2041	\$ 32,646	\$ -	\$ 48,510	\$ 48,510	2041	\$ 49,000
	2022	Trailer	HOLD	\$ 15,000		\$ 17,575	\$ 17,575	2042	\$ -
628	1985	Bridgeport Vertical Milling Machine	HOLD	\$ 3,750	\$ -	\$ 8,280	\$ 8,280	2043	\$ -
623	1993	MEC Scissor Lift	HOLD	\$ 3,950	\$ -	\$ 7,444	\$ 7,444	2044	\$ -
617	1997	Pace Trailer (Confined Space)	HOLD	\$ 29,687	\$ -	\$ 51,686	\$ 51,686	2045	\$ -
616	2001	Ingersol-Rand Trailer Air Compressor	HOLD	\$ 15,000	\$ -	\$ 24,127	\$ 24,127	2046	\$ -
618	2003	Miller Trailblazer Welding Machine (Crane Truck)	HOLD	\$ 6,823	\$ -	\$ 10,548	\$ 10,548	2047	\$ -
632	2006	Doosan/Daewoo Fork Lift	HOLD	\$ 27,200	\$ -	\$ 39,625	\$ 39,625	2048	\$ -
635	2007	Salt Dog Salt Spreader	HOLD	\$ 3,456	\$ -	\$ 4,936	\$ 4,936	2049	\$ -
638	2009	Bobcat Skid Steer Backhoe Attachment	HOLD	\$ 6,683	\$ -	\$ 9,174	\$ 9,174	2050	\$ -
641	2009	Bobcat Skid Steer Sweeper Attachment	HOLD	\$ 2,403	\$ -	\$ 3,299	\$ 3,299	2051	\$ -
629	2013	Knuth Metal Cutting Lathe	HOLD	\$ 10,595	\$ -	\$ 13,437	\$ 13,437	2052	\$ -
619	2017	Miller Spectrum Plasma Cutting Machine	HOLD	\$ 1,725	\$ -	\$ 2,021	\$ 2,021	2053	\$ -
645	2012	Transfer Flow Fuel Tanks (Unleaded/Diesel on 643)	HOLD	\$ 2,443	\$ -	\$ 3,160	\$ 3,160	2054	\$ -
620*	1993	Miller - Shopmaster 300 Welding Generator (TIG)	HOLD	\$ 2,300	\$ -	\$ 4,334	\$ 4,334	2055	\$ -
606*		New MIG Welder	HOLD		\$ -	\$ -	\$ -	2056	\$ -
615	2001	Mersino 4" Trailer Mounted Pump	HOLD	\$ 32,730	\$ -	\$ 52,644	\$ 52,644		\$ -
621	2003	Alladin Hot Water Pressure Washer	HOLD	\$ 7,359	\$ -	\$ 11,377	\$ 11,377		\$ -

Appendix

CY2023
GLENBARD WASTEWATER AUTHORITY EQUIPMENT REPLACEMENT FUND

FUND 40		Actual CY21 Bdgt	Approved CY22 Bdgt	Estimated CY22 Bdgt	Budgeting CY23 Bdgt
5966	Equipment Replacement Flow Split - Total = Half of the Whole	1,838,730	1,857,118	1,857,118	1,880,332
	* Glen Ellyn Flow Split - 40.21%	745,605	758,261	758,261	756,081
	* Lombard Flow Split - 59.79%	1,093,125	1,098,856	1,098,856	1,124,250
	Equipment Replacement Split in Equity - Total = Half of the Whole	1,838,730	1,857,118	1,838,730	1,880,332
	Glen Ellyn Flow Split - 50%	919,365	928,559	928,559	940,166
	Lombard Flow Split - 50%	919,365	928,559	928,559	940,166
	Total	3,677,461	3,714,235	3,695,848	3,760,663

				Total Contributions	Percentage by Contribution
Total Glen Ellyn Equipment Replacement Fund Contribution:		1,664,970	1,686,820	1,686,820	45.11%
Total Lombard Equipment Replacement Fund Contribution:		2,012,490	2,027,415	2,027,415	54.90%

* Indicates Current 5 Year Avg. Flow Split for CY2023

Original Fund 27 & 28 FY1986 through FY1997

Glenbard Wastewater Authority
Equipment Replacement Fund

* Fund 27 was defined as the Operation & Maintenance Account * Fund 28 was defined as the Capital Account

Fiscal Year	Fund 27 Glenbard 84.6%		Total Budgeted Contribution	IFT Transfers to Fund 28	Glenbard Flowsplits	Fund 27 Stormwater 12%		IFT Transfers to Fund 28	Fund 27 NRI 2.1%		Total Budgeted Contribution	IFT Transfers to Fund 28	NRI Flowsplits	Fund 27 SRI 1.3%	IFT Transfers to Fund 28	Actual Contributions	Total to Fund 28	Fund 28 % Increase	Total Glen Ellyn	Total Lombard	Accumulated Funding
	Glen Ellyn	Lombard				Lombard			Glen Ellyn	Lombard											
FY(1986)	\$ 28,027.13		\$ 28,027.13			\$ 3,975.48			\$ 238.00	\$ 458.00	\$ 696.00			\$ 430.68		\$ 33,129.29	0.00	0%	\$ 28,695.81	\$ 4,433.48	\$ -
FY(1987)	486,027.00		486,027.00			68,940.00			4,129.00	7,936.00	12,065.00			7,468.50		574,500.50	0.00	0%	497,624.50	76,876.00	-
FY(1988)	242,987.00	282,256.00	525,243.00	520,200.00		73,800.00	73,700.00		4,418.00	8,493.00	12,911.00	13,750.00		7,992.40	7,150.00	619,946.40	614,800.00	100%	255,397.40	364,549.00	614,800.00
FY(1989)	242,987.00	282,256.00	525,243.00	556,600.00		79,000.00	78,950.00		4,496.00	9,138.00	13,634.00	14,000.00		8,551.40	8,475.00	626,428.40	658,025.00	7%	256,034.40	370,394.00	1,272,825.00
FY(1990)	243,519.00	323,236.00	566,755.00	596,000.00	43.4/56.6	84,444.00	85,000.00		4,832.00	9,945.00	14,777.00	15,000.00	32.7/67.3	9,148.10	9,000.00	675,124.10	705,000.00	7%	257,499.10	417,625.00	1,977,825.00
FY(1991)	308,090.00	371,910.00	680,000.00	637,200.00	44/56	90,372.00	90,200.00		5,061.00	10,754.00	15,815.00	16,100.00	32/68	9,790.30	9,600.00	795,977.30	753,100.00	6%	322,941.30	473,036.00	2,730,925.00
FY(1992)	253,884.00	296,485.00	550,369.00	533,000.00	44/56	75,600.00	75,600.00		4,128.00	9,104.00	13,232.00	13,400.00	32/68	8,191.30	8,100.00	647,392.30	630,100.00	-20%	266,203.30	381,189.00	3,361,025.00
FY(1993)	256,274.00	268,331.00	524,605.00	560,192.00	45/55	79,500.00	79,400.00		4,380.00	9,524.00	13,904.00	14,000.00	32/68	8,607.20	8,500.00	626,616.20	662,092.00	5%	269,261.20	357,355.00	4,023,117.00
FY(1994)	265,659.00	341,029.00	606,688.00	588,000.00	45.2/54.8	83,400.00	83,400.00		4,736.00	9,859.00	14,595.00	14,700.00	32.5/67.6	9,035.00	8,900.00	713,718.00	695,000.00	5%	279,430.00	434,288.00	4,718,117.00
FY(1995)	243,431.00	348,656.00	592,087.00	617,600.00	46/54	87,600.00	87,600.00		5,212.00	10,118.00	15,330.00	15,500.00	34/66	9,490.00	9,300.00	704,507.00	730,000.00	5%	258,133.00	446,374.00	5,448,117.00
FY(1996)	256,157.00	335,727.00	591,884.00	648,500.00	44.5/55.5	92,000.00	92,000.00		5,312.00	10,785.00	16,097.00	16,200.00	33/67	9,964.50	9,800.00	709,945.50	766,500.00	5%	271,433.50	438,512.00	6,214,617.00
FY(1997)	278,157.00	369,235.00	647,392.00	681,000.00	42.92/57.08	96,600.00	96,200.00		5,692.00	11,213.00	16,905.00	17,100.00	31.21/68.79	10,465.00	9,800.00	771,362.00	804,100.00	5%	294,314.00	477,048.00	7,018,717.00
TOTALS	\$ 3,105,199.13	\$ 3,219,121.00	\$ 6,324,320.13	\$ 5,938,292.00		\$ 915,231.48	\$ 842,050.00		\$ 52,634.00	\$ 107,327.00	\$ 159,961.00	\$ 149,750.00		\$ 99,134.38	\$ 88,625.00	\$ 7,498,646.99	\$ 7,018,717.00		\$ 3,256,967.51	\$ 4,241,679.48	

Original Fund 40 FY1998 through FY2010

Fiscal Year	Glenbard 84.6%		Glenbard Flowsplits	Stormwater 12% Lombard	NRI 2.1%		NRI Flowsplits	SRI 1.3% Glen Ellyn	Actual Contributions	Percentage Increase	Total Glen Ellyn	Total Lombard	Accumulated Funding
	Glen Ellyn	Lombard			Glen Ellyn	Lombard							
FY(1998)	\$ 237,362.00	\$ 476,938.00	44.48/55.52	\$ 101,400.00	\$ 5,733.00	\$ 12,012.00	32.31/67.69	\$ 10,985.00	\$ 845,000.00	5%	\$ 254,080.00	\$ 590,350.00	\$ 7,863,717.00
FY(1999)	331,337.00	418,463.00	44.19/55.81	106,440.00	6,190.00	12,437.00	33.23/66.77	11,531.00	887,000.00	5%	\$ 349,058.00	\$ 537,340.00	\$ 8,750,717.00
FY(2000)	401,631.00	491,876.00	43.10/56.90	126,720.00	7,236.00	14,940.00	32.63/67.37	13,728.00	1,056,000.00	16%	\$ 422,595.00	\$ 633,536.00	\$ 9,806,717.00
FY(2001)	516,247.00	632,245.00	44.95/55.06	161,300.00	9,416.00	18,808.00	33.36/66.64	17,472.21	1,344,016.00	21%	\$ 543,135.21	\$ 812,353.00	\$ 11,150,733.00
FY(2002)	608,349.00	698,803.00	46.54/53.46	185,411.00	10,477.00	21,970.00	32.29/67.71	20,086.26	1,545,097.00	13%	\$ 638,912.26	\$ 906,184.00	\$ 12,695,830.00
FY(2003)	674,746.00	814,429.00	45.31/54.69	211,230.00	11,958.00	25,007.00	32.35/67.65	22,883.30	1,760,254.00	12%	\$ 709,587.30	\$ 1,050,666.00	\$ 14,456,084.00
FY(2004)	718,811.00	816,454.00	46.82/53.18	217,770.00	12,996.00	25,114.00	34.10/65.9	23,591.54	1,814,734.00	3%	\$ 755,398.54	\$ 1,059,338.00	\$ 16,270,818.00
FY(2005)	786,524.00	849,663.00	47.87/52.13	233,000.00	15,297.00	25,483.00	37.51/62.49	25,244.62	1,941,894.00	7%	\$ 827,065.62	\$ 1,108,146.00	\$ 18,212,712.00
FY(2006)	849,633.00	908,422.00	48.328/51.672	249,400.00	17,075.00	26,559.00	39.133/60.867	27,011.75	2,077,827.00	7%	\$ 893,719.75	\$ 1,184,381.00	\$ 20,290,539.00
FY(2007)	821,398.00	870,602.00	48.546/51.454	240,000.00	16,588.00	25,412.00	39.496/60.504	26,000.00	2,000,000.00	-4%	\$ 863,986.00	\$ 1,136,014.00	\$ 22,290,539.00
FY(2008)	729,051.00	762,949.00	48.864/51.136	216,000.00	15,033.00	22,767.00	32.769/60.231	23,400.00	1,800,000.00	-11%	\$ 767,484.00	\$ 1,001,716.00	\$ 24,090,539.00
FY(2009)	746,126.32	776,674.00	48.997/51.003	216,000.00	14,895.00	22,905.00	39.405/60.595	23,400.00	1,800,000.00	0%	\$ 784,421.32	\$ 1,015,579.00	\$ 25,890,539.00
FY(2010)	826,237.44	865,762.56	48.832/51.168	264,000.00	16,634.31	26,059.32	37.954/62.046	26,000.00	2,000,000.00	10%	\$ 868,871.75	\$ 1,155,821.88	\$ 27,890,539.00
TOTALS	\$ 8,247,452.76	\$ 9,383,280.56		\$ 2,528,671.00	\$ 159,528.31	\$ 279,473.32		\$ 271,333.68	\$ 20,871,822.00		\$ 8,678,314.75	\$ 12,191,424.88	

Intermediate Capital Funding FY2011 through FY2013

Fiscal Year	Division 40 Glenbard Plant 66.7%	Division 41 Stormwater Plant 12%	Fund 42 NRI 6.9%	Fund 43 SRI 3.1%	Fund 44 St. Charles Rd L.S 6.7%	Fund 45 Valley View L.S 2%	Fund 46 SRI L.S 2%	Fund 47 Sunnyside L.S .5%	Actual Contributions	Percentage Increase	Total Glen Ellyn	Total Lombard	Accumulated Funding
FY(2011)	1,467,400.00	264,000.00	151,800.00	68,200.00	147,400.00	45,100.00	45,100.00	11,000.00	2,200,000.00	9%	\$ 1,625,800.00	\$ 377,300.00	\$ 30,090,539.00
FY(2012)	1,467,400.00	264,000.00	151,800.00	68,200.00	147,400.00	45,100.00	45,100.00	11,000.00	2,200,000.00	0%	\$ 1,067,340	\$ 1,132,660	\$ 32,290,539.00
FY(2013)	1,600,800.00	288,000.00	165,600.00	74,400.00	160,800.00	49,200.00	49,200.00	12,000.00	2,400,000.00	8%	\$ 1,160,788	\$ 1,239,212	\$ 34,690,539.00
TOTALS	\$ 3,068,200.00	\$ 552,000.00	\$ 317,400.00	\$ 142,600.00	\$ 308,200.00	\$ 94,300.00	\$ 94,300.00	\$ 23,000.00	\$ 4,600,000.00		\$ 2,228,127.76	\$ 2,371,872.24	

Fund 40 FY2014 through CY2030

Fiscal Year	Glen Ellyn Split 50/50	Lombard Split 50/50	Split 1/2 Half of Actual	Glen Ellyn By Flow	Lombard By Flow	% Flow Split By Partner	1/2 Half of Actual	Actual Contributions	Percentage Increase	Total Glen Ellyn	Total Lombard	Accumulated Funding
FY(2014)	675,000.00	675,000.00	1,350,000.00	642,600.00	707,400.00	47.60 / 52.40	1,350,000.00	2,700,000.00	11%	\$ 1,317,600.00	\$ 1,382,400.00	\$ 37,390,539.00
SY(2014)	490,050.00	490,050.00	980,100.00	459,666.90	520,433.10	46.90 / 53.10	980,100.00	1,960,200.00	-38%	\$ 949,716.90	\$ 1,010,483.10	\$ 39,350,739.00
CY(2015)	816,750.00	816,750.00	1,633,500.00	766,111.50	867,388.50	46.90 / 53.10	1,633,500.00	3,267,000.00	40%	\$ 1,582,861.50	\$ 1,684,138.50	\$ 42,617,739.00
CY(2016)	832,500.00	832,500.00	1,665,000.00	768,564.00	896,436.00	46.16 / 53.84	1,665,000.00	3,330,000.00	2%	\$ 1,601,064.00	\$ 1,728,936.00	\$ 45,947,739.00
CY(2017)	850,000.00	850,000.00	1,700,000.00	769,250.00	930,750.00	45.25 / 54.75	1,700,000.00	3,400,000.00	2%	\$ 1,619,250.00	\$ 1,780,750.00	\$ 49,347,739.00
CY(2018)	875,000.00	875,000.00	1,750,000.00	777,875.00	972,125.00	44.45 / 55.55	1,750,000.00	3,500,000.00	3%	\$ 1,652,875.00	\$ 1,847,125.00	\$ 52,847,739.00
CY(2019)	883,750.00	883,750.00	1,767,500.00	752,248.00	1,015,252.00	42.56 / 57.44	1,767,500.00	3,535,000.00	1.0%	\$ 1,635,998.00	\$ 1,899,002.00	\$ 56,382,739.00
CY(2020)	910,262.50	910,262.50	1,820,525.00	746,597.30	1,073,927.70	41.01/58.99	1,820,525.00	3,641,050.00	3.0%	\$ 1,656,859.80	\$ 1,984,190.20	\$ 60,023,789.00
CY(2021)	919,365.13	919,365.13	1,838,730.25	745,605.12	1,093,125.13	40.55/59.45	1,838,730.25	3,677,460.50	1.0%	\$ 1,664,970.24	\$ 2,012,490.26	\$ 63,701,249.50
CY(2022)	928,558.78	928,558.78	1,857,117.55	758,261.10	1,098,856.46	40.83/59.17	1,857,117.55	3,714,235.11	1.0%	\$ 1,686,819.87	\$ 2,027,415.23	\$ 67,415,484.61
CY(2023)*	940,165.76	940,165.76	1,880,331.52	756,081.30	1,124,250.22	40.21/59.79	1,880,331.52	3,760,663.04	1.25%	\$ 1,696,247.07	\$ 2,064,415.98	\$ 71,176,147.65
CY(2024)	951,917.83	951,917.83	1,903,835.67	761,534.27	1,142,301.40	40/60	1,903,835.67	3,807,671.33	1.25%	\$ 1,713,452.10	\$ 2,094,219.23	\$ 74,983,818.98
CY(2025)	963,816.81	963,816.81	1,927,633.61	771,053.44	1,156,580.17	40/60	1,927,633.61	3,855,267.22	1.25%	\$ 1,734,870.25	\$ 2,120,396.97	\$ 78,839,086.20
CY(2026)	975,864.52	975,864.52	1,951,729.03	780,691.61	1,171,037.42	40/60	1,951,729.03	3,903,458.06	1.25%	\$ 1,756,556.13	\$ 2,146,901.94	\$ 82,742,544.27
CY(2027)	988,062.82	988,062.82	1,976,125.64	790,450.26	1,185,675.39	40/60	1,976,125.64	3,952,251.29	1.25%	\$ 1,778,513.08	\$ 2,173,738.21	\$ 86,694,795.56
CY(2028)	1,000,413.61	1,000,413.61	2,000,827.22	800,330.89	1,200,496.33	40/60	2,000,827.22	4,001,654.43	1.25%	\$ 1,800,744.49	\$ 2,200,909.94	\$ 90,696,449.99
CY(2029)	1,012,918.78	1,012,918.78	2,025,837.56	810,335.02	1,215,502.53	40/60	2,025,837.56	4,051,675.11	1.25%	\$ 1,823,253.80	\$ 2,228,421.31	\$ 94,748,125.10
CY(2030)	1,025,580.26	1,025,580.26	2,051,160.52	820,464.21	1,230,696.31	40/60	2,051,160.52	4,102,321.05	1.25%	\$ 1,846,044.47	\$ 2,256,276.58	\$ 98,850,446.15
CY(2031)	1,038,400.02	1,038,400.02	2,076,800.03	830,720.01	1,246,080.02	40/60	2,076,800.03	4,153,600.06	1.25%	\$ 1,869,120.03	\$ 2,284,480.03	\$ 103,004,046.21
CY(2032)	1,051,380.02	1,051,380.02	2,102,760.03	841,104.01	1,261,656.02	40/60	2,102,760.03	4,205,520.06	1.25%	\$ 1,892,484.03	\$ 2,313,036.04	\$ 107,209,566.28
CY(2033)	1,064,522.27	1,064,522.27	2,129,044.53	851,617.81	1,277,426.72	40/60	2,129,044.53	4,258,089.06	1.25%	\$ 1,916,140.08	\$ 2,341,948.99	\$ 111,467,655.34

CY(2034)	1,077,828.79	1,077,828.79	2,155,657.59	862,263.04	1,293,394.55	40/60	2,155,657.59	4,311,315.18	1.25%	\$ 1,940,091.83	\$ 2,371,223.35	\$ 115,778,970.52
CY(2035)	1,091,301.65	1,091,301.65	2,182,603.31	873,041.32	1,309,561.99	40/60	2,182,603.31	4,365,206.62	1.25%	\$ 1,964,342.98	\$ 2,400,863.64	\$ 120,144,177.14
CY(2036)	1,104,942.93	1,104,942.93	2,209,885.85	883,954.34	1,325,931.51	40/60	2,209,885.85	4,419,771.70	1.25%	\$ 1,988,897.27	\$ 2,430,874.44	\$ 124,563,948.84
CY(2037)	1,118,754.71	1,118,754.71	2,237,509.42	895,003.77	1,342,505.65	40/60	2,237,509.42	4,475,018.85	1.25%	\$ 2,013,758.48	\$ 2,461,260.37	\$ 129,038,967.68
CY(2038)	1,132,739.15	1,132,739.15	2,265,478.29	906,191.32	1,359,286.97	40/60	2,265,478.29	4,530,956.58	1.25%	\$ 2,038,930.46	\$ 2,492,026.12	\$ 133,569,924.27
CY(2039)	1,146,898.38	1,146,898.38	2,293,796.77	917,518.71	1,376,278.06	40/60	2,293,796.77	4,587,593.54	1.25%	\$ 2,064,417.09	\$ 2,523,176.45	\$ 138,157,517.81
CY(2040)	1,161,234.61	1,161,234.61	2,322,469.23	928,987.69	1,393,481.54	40/60	2,322,469.23	4,644,938.46	1.25%	\$ 2,090,222.31	\$ 2,554,716.15	\$ 142,802,456.26
CY(2041)	1,175,750.05	1,175,750.05	2,351,500.09	940,600.04	1,410,900.06	40/60	2,351,500.09	4,703,000.19	1.25%	\$ 2,116,350.09	\$ 2,586,650.10	\$ 147,505,456.45
CY(2042)	1,190,446.92	1,190,446.92	2,380,893.85	952,357.54	1,428,536.31	40/60	2,380,893.85	4,761,787.69	1.25%	\$ 2,142,804.46	\$ 2,618,983.23	\$ 152,267,244.15
CY(2043)	1,205,327.51	1,205,327.51	2,410,655.02	964,262.01	1,446,393.01	40/61	2,410,655.02	4,821,310.04	1.25%	\$ 2,169,589.52	\$ 2,651,720.52	\$ 157,088,554.18
TOTALS	\$ 11,037,136.80	\$ 11,037,136.80		\$ 10,256,139.54	\$ 13,769,863.09			\$ 64,159,907.15		\$ 65,575,861.37	\$ 80,207,442.71	

* Indicates Actual 5 Year Flow Split

Comments Pertaining to the Historical Value of the Equipment Replacement Fund

- ~ As a condition of Grant funding, the United States Environmental Protection Agency required that an equipment replacement fund be established. The purpose of the replacement fund is to be sure adequate funds are in place to replace equipment and make improvements as they are needed.
- ~ The 1985 Fred P. Johnson and Associates study recommended that a seven percent (7%) Sinking Fund be set up for equipment replacement. That meant that the fund would grow by seven percent (7%) each year. The Johnson study projected the Sinking Fund through FY 1991.
- ~ In FY1986 the O&M Sinking Fund was established with contributions being made to Fund 27, Glenbard Wastewater Authority Operations and Maintnance Fund.
- ~ In 1988 a new Fund was created based off of the Johnson Study recommendations. This was Fund 28, Glenbard Wastewater Authority Capital Equipment Replacement Fund. Fund 27 was the depository for Fund 28 with Inter Fund Trasfers (IFT's) being the vehicle to transfer needed funds into Fund 28. The Equipment Replacement Fund spreadsheet illustrates the deposits, transfers, splits and accumulations of the money.
- ~ In FY1992, after analyzing likely FY1992 - FY1997 equipment replacement needs, Glenbard Staff and the Executive Oversight Committee concluded that a five percent (5%) sinking fund will be adequate. It took four fiscal years between FY1992 and FY1996 to return to the contribution level of 1991. The Sinking Fund is shown as growing by five percent (5%) from FY1992 - FY1999.
- ~ A Facility Plan developed in FY(1998) caused the Glenbard Staff and the Executive Oversight Committee to commit to increasing the Sinking Fund to the Fred Johnson calculated values by FY2004.
- ~ The Sinking Fund was re-evaluated during the FY2007 budget discussions with Village Managers and Finance Directors when it was decided to no longer follow the recommended seven percent (7%) annual increase, but to evaluate the contribution on an annual basis. The Managers agreed to return to the seven percent (7%) annual increase in FY2008.
- ~ The Sinking Fund was again evaluated during budget planning for FY2008 when the decision by Village Managers and Finance Directors moved the Authority away from dedicated annual contributions, but to evaluate the contribution annually. At this time Village Managers and Finance Directors agreed to reduce the annual contribution to the Sinking Fund. It took three fiscal years between FY2008 and FY2010 to return to the contribution level of FY2007.
- ~ FY2011 was the first year that the EOC agreed to change the budget format without an executed IGA. The change to the percentages regarding how the Regional Treatment System was constructed did nothing more than devalue the Glenbard Plant to create arbitrary funds and increase value in others.
- ~ FY 2013 is the third year the budget has been formatted without a supporting IGA. Both Village presidents agreed at the December 2011 EOC meeting that this would be the last budget formatted without a supporting IGA. If an agreeable funding mechanism cannot be achieved by November 2012 the budget will revert back to the 1998 IGA supporting the FY10 budget format.
- ~ Beginning with the FY2013 Facility Plan the Capital Equipment Replacement Fund shall be funded with a mandatory ten percent (10%) increase from fiscal year to fiscal year through the 10 year plan as agreed to by the EOC. The increase to the Fund for FY2014 is actually eleven percent (11%). With this figure the period between FY2000 & FY2014 averages seven percent (7%) contribution.
- ~ FY2014 The Capital Equipment Replacement Fund 40 is utilizing a unique revenue split approved by both partners. The revenue split shall divide the agreed contribution in half, of which the first half shall be split 50% between partners. The second half of the agreed contribution will be split by the flow utilized to calculate the partners payments. A single Capital Fund (40) shall be used to expense all projects with the approval of the Executive Oversight Committee.
- ~ SY2014, contribution which was originally the FY2015 contribution was scheduled to be \$2,970,000 based on a 12 month fiscal year. With the change to a calendar year format FY2015 was modified to a Stub Year (SY) due to the 8 month budget. The scheduled contribution for capital improvements for FY2015 of \$2,970,000 was reduced by 33% or 829,800 for a total contribution of \$1,960,200. This is shown as a 38% reduction on the schedule above. The following year CY2015 the contribution contiues as scheduled indicating a \$1,306,800 or 40% increase over SY2014.
- ~ CY2016 The Capital Equipment Replacement Fund 40 continues utilizing the unique revenue split approved by both partners. The revenue split shall divide the agreed contribution in half, of which the first half shall be split 50% between partners. The second half of the agreed contribution will be split by the flow utilized to calculate the partners payments. A single Capital Fund (40) shall be used to expense all projects with the approval of the Executive Oversight Committee.
- ~ CY2019 Proposed 1% increase has been requested

Glenbard Wastewater Authority
Summary of Projected Future Debt Service Payments
As of January 1, 2022

	Digester Project	Facility Improvements Project	Biosolids Dewatering Improvements	Total Debt Service
CY23*	637,001	1,020,863	142,175	1,800,039
CY24	637,001	1,020,863	142,175	1,800,039
CY25	318,501	1,020,863	142,175	1,481,539
CY26		1,020,863	142,175	1,163,038
CY27		1,020,863	142,175	1,163,038
CY28		1,020,863	142,175	1,163,038
CY29		1,020,863	142,175	1,163,038
CY30		1,020,863	142,175	1,163,038
CY31		1,020,863	142,175	1,163,038
CY32		1,020,863	142,175	1,163,038
CY33		1,020,863	142,175	1,163,038
CY34		1,020,863	142,175	1,163,038
CY35		1,020,863	142,175	1,163,038
CY36		1,020,863	142,175	1,163,038
CY37		1,020,863	142,175	1,163,038
CY38		1,020,863	142,175	1,163,038
CY39		1,020,863	142,175	1,163,038
CY40			142,175	142,175
CY41			142,175	142,175
CY42			142,175	142,175
CY43			142,175	142,175
CY44				0
CY45				0
CY46				0
CY47				0
CY48				0
CY49				0
CY50				0
CY51				0
CY52				0
CY53				0
CY54				0
CY55				0
	3,503,506	18,350,361		23,107,803

Budget CY2021
Anaerobic Digester
Loan # L17-287400

Total Value of Loan (Principal + Interest): \$9,242,026.30

IEPA Loan - Payback Schedule
Interest Rate: 2.5%

<u>Fiscal Year</u>	<u>Due Date</u>	<u>Beginning Balance</u>	<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Interest Rate %</u>	<u>Total Payment</u>	<u>Ending Balance</u>
FY 2011	7/29/2010	\$7,167,105.82	\$179,436.51	\$81,035.93	2.50	\$260,472.44	\$6,987,669.31
	1/29/2011	\$6,987,669.31	\$181,679.47	\$78,792.97	2.50	\$260,472.44	\$6,805,989.84
FY 2012	7/29/2011	\$6,805,989.84	\$183,950.46	\$76,521.98	2.50	\$260,472.44	\$6,622,039.38
	1/29/2012	\$6,622,039.38	\$207,577.05	\$82,721.72	2.50	\$290,298.77	\$6,414,462.33
FY 2013	7/29/2012	\$6,575,454.33	\$210,171.76	\$80,127.01	2.50	\$290,298.77	\$6,365,282.57
	1/29/2013	\$6,365,282.57	\$218,352.18	\$79,522.32	2.50	\$297,874.50	\$6,146,930.39
FY 2014	7/29/2013	\$6,146,930.39	\$221,081.58	\$76,792.92	2.50	\$297,874.50	\$5,925,848.81
	1/29/2014	\$5,925,848.81	\$223,845.10	\$74,029.40	2.50	\$297,874.50	\$5,702,003.71
SY 2014	7/29/2014	\$6,077,402.76	\$226,643.16	\$71,231.34	2.50	\$297,874.50	\$5,850,759.60
CY 2015	1/29/2015	\$5,850,759.60	\$245,366.14	\$73,134.50	2.50	\$318,500.64	\$5,605,393.46
	7/29/2015	\$5,605,393.46	\$248,433.22	\$70,067.42	2.50	\$318,500.64	\$5,356,960.24
CY 2016	1/29/2016	\$5,356,960.24	\$251,538.64	\$66,962.00	2.50	\$318,500.64	\$5,105,421.60
	7/29/2016	\$5,105,421.60	\$254,682.87	\$63,817.77	2.50	\$318,500.64	\$4,850,738.73
CY 2017	1/29/2017	\$4,850,738.73	\$257,866.41	\$60,634.23	2.50	\$318,500.64	\$4,592,872.32
	7/29/2017	\$4,592,872.32	\$261,089.74	\$57,410.90	2.50	\$318,500.64	\$4,331,782.58
CY 2018	1/29/2018	\$4,331,782.58	\$264,353.36	\$54,147.28	2.50	\$318,500.64	\$4,067,429.22
	7/29/2018	\$4,067,429.22	\$267,657.77	\$50,842.87	2.50	\$318,500.64	\$3,799,771.45
CY 2019	1/29/2019	\$3,799,771.45	\$271,003.50	\$47,497.14	2.50	\$318,500.64	\$3,528,767.95
	7/29/2019	\$3,528,767.95	\$274,391.04	\$44,109.60	2.50	\$318,500.64	\$3,254,376.91
CY 2020	1/29/2020	\$3,254,376.91	\$277,820.93	\$40,679.71	2.50	\$318,500.64	\$2,976,555.98
	7/29/2020	\$2,976,555.98	\$281,293.69	\$37,206.95	2.50	\$318,500.64	\$2,695,262.29
CY 2021	1/29/2021	\$2,695,262.29	\$284,809.86	\$33,690.78	2.50	\$318,500.64	\$2,410,452.43
	7/29/2021	\$2,410,452.43	\$288,369.98	\$30,130.66	2.50	\$318,500.64	\$2,122,082.45
CY 2022*	1/29/2022	\$2,122,082.45	\$291,974.61	\$26,526.03	2.50	\$318,500.64	\$1,830,107.84
	7/29/2022	\$1,830,107.84	\$295,624.29	\$22,876.35	2.50	\$318,500.64	\$1,534,483.55
CY 2023	1/29/2023	\$1,534,483.55	\$299,319.60	\$19,181.04	2.50	\$318,500.64	\$1,235,163.95
	7/29/2023	\$1,235,163.95	\$303,061.09	\$15,439.55	2.50	\$318,500.64	\$932,102.86
CY 2024	1/29/2024	\$932,102.86	\$306,849.35	\$11,651.29	2.50	\$318,500.64	\$625,253.51
	7/29/2024	\$625,253.51	\$310,684.97	\$7,815.67	2.50	\$318,500.64	\$314,568.54
CY2025	1/29/2025	\$314,568.54	\$314,568.54	\$3,932.10	2.50	\$318,500.64	\$0.00
Totals			\$7,703,496.87	\$1,538,529.43		\$9,242,026.30	

The EOC awarded an Anaerobic Digester Engineering Services Contract on August 10, 2005, for the Anaerobic Digester Improvement Project. This projected payback schedule is included to cover the required funding.

State of Illinois - Environmental Protection Agency
Clean Water SRF Loan Repayment Schedule (1.75% Interest Rate)

Ref	Due Date	Principal	Interest	Total Payment	Ending
1	4/10/2020	\$0.00	\$476,627.06	\$476,627.06	\$15,272,106.38
2	10/10/2020	\$325,551.73	\$138,343.28	\$463,895.01	\$15,518,246.04
3	4/10/2021	\$346,005.79	\$139,356.17	\$485,361.96	\$15,172,240.25
4	10/10/2021	\$349,033.34	\$132,757.10	\$481,790.44	15,7 04,409.14
5	4/10/2022	\$373,018.09	\$139,019.06	\$512,037.15	\$15,331,391.05
6	10/10/2022	\$376,282.00	\$134,149.67	\$510,431.67	\$14,955,109.05
7*	4/10/2023	\$379,574.47	\$130,857.20	\$510,431.67	14,575 ,534.58
8*	10/10/2023	\$382,895.74	\$127,535.93	\$510,431.67	\$14,192,638.84
9	4/10/2024	\$386,246.08	\$124,185.59	\$510,431.67	\$13,806,392.76
10	10/10/2024	\$389,625.73	\$120,805.94	\$510,431.67	\$13,416,767.03
11	4/10/2025	\$393,034.96	\$117,396.71	\$510,431.67	\$13,023,732.07
12	10/10/2025	\$396,474.01	\$113,957.66	\$510,431.67	\$12,627,258.06
13	4/10/2026	\$399,943.16	\$110,488.51	\$510,431.67	\$12,227,314.90
14	10/10/2026	\$403,442.66	10 6,989.01	\$510,431.67	11,823,8 72.24
15	4/10/2027	\$406,972.79	\$103,458.88	\$510,431.67	\$11,416,899.45
16	10/10/2027	410 ,533.80	\$99,897.87	\$510,431.67	11,006 ,365.65
17	4/10/2028	\$414,125.97	\$96,305.70	\$510,431.67	\$10,592,239.68
18	10/10/2028	\$417,749.57	\$92,682.10	\$510,431.67	\$10,174,490.11
19	4/10/2029	\$421,404.88	\$89,026.79	\$510,431.67	\$9,753,085.23
20	10/10/2029	\$425,092.17	\$85,339.50	\$510,431.67	\$9,327,993.06
21	4/10/2030	\$428,811.73	\$81,619.94	\$510,431.67	\$8,899,181.33
22	10/10 /2030	432,563.!\3	\$77,867.84	\$510,431.67	8,466,617 .50
23	4/10/2031	\$436,348.77	\$74,082.90	\$510,431.67	\$8,030,268.73
24	10/10/2031	\$440,166.82	\$70,264.85	\$510,431.67	\$7,590,101.91
25	4/10/2032	\$444,018.28	\$66,413.39	\$510,431.67	\$7,146,083.63
26	10/10/2032	\$447,903.44	\$62,528.23	\$510,431.67	\$6,698,180.19
27	4/10/2033	\$451,822.59	\$58,609.08	\$510,431.67	\$6,246,357.60
28	10/10/2033	\$455,776.04	\$54,655.63	\$510,431.67	\$5,790,581.56
29	4/10/2034	\$459,764.08	\$50,667.59	\$510,431.67	\$5,330,817.48
30	10 /10/2034	\$463,787.02	\$46,644.65	\$510,431.67	\$4,867,030.46
31	4/10/2035	\$467,845.15	\$42,586.52	\$510,431.67	\$4,399,185.31
32	10/10/2035	4 71,938.80	\$38,492.87	\$510,431.67	\$3,927,246.51
33	4/10/2036	\$476,068.26	\$34,363.41	\$510,431.67	\$3,451,178.25
34	10/10/2036	\$480,233.86	\$30,197.81	\$510,431.67	\$2,970,944.39
35	4/10/2037	\$484,435.91	\$25,995.76	\$510,431.67	\$2,486,508.48
36	10/10/2037	\$488,674.72	\$21,756.95	\$510,431.67	\$1,997,833.76
37	4/10/2038	\$492,950.62	\$17,481.05	\$510,431.67	\$1,504,883.14
38	10/10/2038	\$497,263.94	\$13,167.73	\$510,431.67	\$1,007,619.20
39	4/10/2039	\$501,615.00	\$8,816.67	\$510,431.67	\$506,004.20
40	10/10/2039	\$506,004.20	\$4,427.47	\$510,431.67	\$0.00

**Calendar Year 2023
Position Classification**

ADMINISTRATION	Salary Range	CY 19	CY 20	CY 21	CY 22	CY 23
Executive Director	S	1	1	1	1	1
Assistant Executive Director	Q	1	1	1	1	1
Enviromental Resources Coordinator	I	1	1	1	1	1
Seasonal FTE = .25	D	1	1	1	2	2
Executive Assistant	H	0	0	0	0	1
Administrative Secretary	F	1	1	1	1	0
FT Employee Totals		4	4	4	4	4
PT Employee Totals		1	1	1	0	0.5
FTE Totals		4.25	4.25	4.25	4.5	4.5
Operations						
Operations Superintendent	N	1	1	1	1	1
Lead Operator	K	N/A	N/A	N/A	N/A	1
Plant Operator I	I	2	2	3	1	0
Plant Operator II	H	0	0	0	0	0
Plant Operator III	G	0	0	0	0	0
Plant Operator IV	F	2	2	1	3	2
Operator-in-Training	E	0	0	0	0	1
Operator PT - FTE = 0.2	E	5	5	5	5	5
Laboratory Services Coordinator	K	N/A	1	1	1	1
Wastewater Laboratory Technician	I	1	0	0	0	0
PT Laborer - FTE = .50	D	1	1	1	1	1
FT Employee Totals		6	6	6	6	6
PT Employee Totals		6	6	6	6	6
FTE Totals		7.5	7.5	7.5	7.5	7.5
MECHANICAL MAINTENANCE						
Mechanical Maintenance Superintendent	N	1	1	1	1	1
Maintenance Mechanic I	I	1	1	1	1	1
Maintenance Mechanic II	G	2	1	1	1	2
Maintenance Mechanic III	F	0	1	1	1	0
FT Employee Totals		4	4	4	4	4
PT Employee Totals		0	0	0	0	0
FTE Totals		4	4	4	4	4
ELECTRICAL MAINTENANCE						
Electrical Superintendent	N	1	1	1	1	1
Electronic Technician	J	1	1	1	1	1
Plant Electrician	J	1	1	1	1	1
FT Employee Totals		3	3	3	3	3
PT Employee Totals		0	0	0	0	0
FTE Totals		3	3	3	3	3
TOTAL OF ALL CATEGORIES						
Total Full Time Employees		17	17	17	17	17
Total PT/Seasonal Employees		7	7	7	6.5	6.5
Total Full Time Equivalent (FTE)		18.75	18.75	18.75	19	19

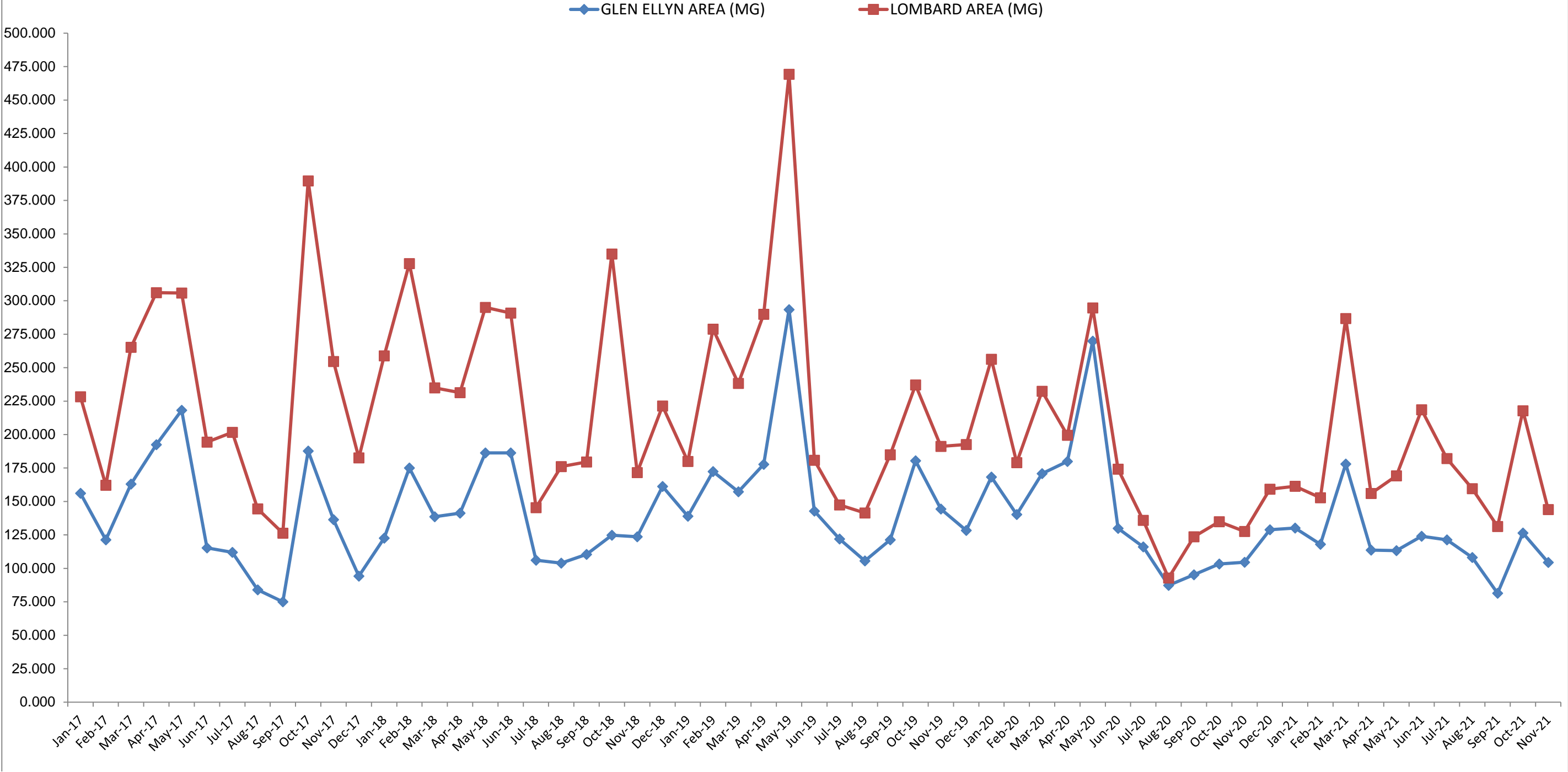
Glenbard Wastewater Authority
Draft Salary Schedule - January 1, 2023 through December 31, 2023

Range	Annualized			Hourly		
	Min	Mid	Max	Min	Mid	Max
<i>Salary schedule is draft version subject to Final CY2023 Village of Glen Ellyn Budget Approval</i>						
A	38,408	48,377	58,323	18.47	23.26	28.04
B	40,284	50,773	61,240	19.37	24.41	29.44
C	42,318	53,350	64,382	20.35	25.65	30.95
D	44,421	55,972	67,524	21.36	26.91	32.46
E	46,659	58,821	70,983	22.43	28.28	34.13
F	49,010	61,782	74,554	23.56	29.70	35.84
G	51,496	64,879	78,262	24.76	31.19	37.63
H	54,073	68,134	82,173	26.00	32.76	39.51
I	56,764	71,548	86,310	27.29	34.40	41.49
J	59,567	75,074	90,582	28.64	36.09	43.55
K	62,573	78,872	95,171	30.08	37.92	45.76
L	65,738	82,806	99,873	31.60	39.81	48.02
M	68,971	86,897	104,801	33.16	41.78	50.39
N	72,430	91,238	110,046	34.82	43.86	52.91
O	76,137	95,962	115,788	36.60	46.14	55.67
P	79,935	100,710	121,484	38.43	48.42	58.41
Q	83,846	105,638	127,430	40.31	50.79	61.26
R	88,118	111,041	133,940	42.36	53.38	64.39
S	92,504	116,579	140,632	44.47	56.05	67.61

TABLE 1. TOTAL WASTEWATER FLOWS AND PERCENTAGES FOR CY2023 BUDGET

	MONTH	TOTAL FLOW MILLION GALS (MG)	GLEN ELLYN FLOW (MG)	PERCENT OF TOTAL	LOMBARD FLOW (MG)	PERCENT OF TOTAL
Y e a r O n e	Jan-17	384.403	156.180	40.63%	228.223	59.37%
	Feb-17	283.491	121.309	42.79%	162.182	57.21%
	Mar-17	428.291	163.067	38.07%	265.224	61.93%
	Apr-17	498.452	192.400	38.60%	306.052	61.40%
	May-17	524.012	218.211	41.64%	305.801	58.36%
	Jun-17	309.589	115.265	37.23%	194.324	62.77%
	Jul-17	313.630	112.004	35.71%	201.626	64.29%
	Aug-17	228.498	84.021	36.77%	144.477	63.23%
	Sep-17	201.378	75.029	37.26%	126.349	62.74%
	Oct-17	577.263	187.698	32.52%	389.565	67.48%
	Nov-17	391.068	136.452	34.89%	254.616	65.11%
	Dec-17	276.902	94.246	34.04%	182.656	65.96%
Y e a r T w o	Jan-18	381.492	122.602	32.14%	258.890	67.86%
	Feb-18	502.867	175.046	34.81%	327.821	65.19%
	Mar-18	373.514	138.570	37.10%	234.944	62.90%
	Apr-18	372.669	141.336	37.93%	231.333	62.07%
	May-18	481.336	186.327	38.71%	295.009	61.29%
	Jun-18	477.075	186.258	39.04%	290.817	60.96%
	Jul-18	251.469	106.069	42.18%	145.400	57.82%
	Aug-18	280.070	103.967	37.12%	176.103	62.88%
	Sep-18	290.026	110.434	38.08%	179.592	61.92%
	Oct-18	459.853	124.849	27.15%	335.004	72.85%
	Nov-18	295.224	123.642	41.88%	171.582	58.12%
	Dec-18	382.605	161.226	42.14%	221.379	57.86%
Y e a r T h r e e	Jan-19	318.896	138.933	43.57%	179.963	56.43%
	Feb-19	451.171	172.314	38.19%	278.857	61.81%
	Mar-19	395.588	157.321	39.77%	238.267	60.23%
	Apr-19	467.686	177.686	37.99%	290.000	62.01%
	May-19	762.655	293.351	38.46%	469.304	61.54%
	Jun-19	323.629	142.766	44.11%	180.863	55.89%
	Jul-19	269.388	121.928	45.26%	147.460	54.74%
	Aug-19	247.046	105.654	42.77%	141.392	57.23%
	Sep-19	306.237	121.314	39.61%	184.923	60.39%
	Oct-19	417.528	180.472	43.22%	237.056	56.78%
	Nov-19	335.586	144.345	43.01%	191.241	56.99%
	Dec-19	320.896	128.362	40.00%	192.534	60.00%
Y e a r F o u r	Jan-20	424.596	168.315	39.64%	256.281	60.36%
	Feb-20	319.328	140.284	43.93%	179.044	56.07%
	Mar-20	403.218	170.790	42.36%	232.428	57.64%
	Apr-20	379.428	179.917	47.42%	199.511	52.58%
	May-20	564.516	269.806	47.79%	294.710	52.21%
	Jun-20	304.067	129.924	42.73%	174.143	57.27%
	Jul-20	251.938	116.077	46.07%	135.861	53.93%
	Aug-20	180.173	87.324	48.47%	92.849	51.53%
	Sep-20	218.823	95.204	43.51%	123.619	56.49%
	Oct-20	238.231	103.307	43.36%	134.924	56.64%
	Nov-20	232.185	104.535	45.02%	127.650	54.98%
	Dec-20	288.187	128.939	44.74%	159.248	55.26%
Y e a r F i v e	Jan-21	291.478	130.097	44.63%	161.381	55.37%
	Feb-21	270.933	118.070	43.58%	152.863	56.42%
	Mar-21	464.632	177.941	38.30%	286.691	61.70%
	Apr-21	269.610	113.646	42.15%	155.964	57.85%
	May-21	282.372	113.224	40.10%	169.148	59.90%
	Jun-21	342.575	123.978	36.19%	218.597	63.81%
	Jul-21	303.476	121.355	39.99%	182.121	60.01%
	Aug-21	267.744	108.183	40.41%	159.561	59.59%
	Sep-21	212.671	81.360	38.26%	131.311	61.74%
	Oct-21	344.196	126.452	36.74%	217.744	63.26%
	Nov-21	248.441	104.420	42.03%	144.021	57.97%
	Dec-21	293.108	119.972	40.93%	173.136	59.07%
AVERAGE		349.623	139.230	40.21%	210.394	59.79%

AVERAGED WASTEWATER FLOWS UTILIZED FOR BUDGET



SECTION 7.0

**GWA FULL BOARD
MEETING**

NOVEMBER 3, 2022

AT 5:00 P.M.

**LOMBARD VILLAGE
HALL**

SECTION 8.0
NEXT EOC MEETING
THURSDAY,
NOVEMBER 10, 2022
AT 8:00 A.M.