

GLENBARD WASTEWATER AUTHORITY  
Executive Oversight Committee  
Agenda  
October 12, 2023  
8:00 a.m.  
945 Bemis Road  
Glen Ellyn, IL

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

*Motion the EOC to approve the following items including Payroll and Vouchers for the months of September of 2023 in the amount of \$1,395,839.35 (Trustee Christiansen).*

5.1 Executive Oversight Committee Meeting Minutes:  
September 14, 2023 EOC Meeting

5.2 Vouchers Previously Reviewed:  
September 2023 – Trustee Christiansen

6. Approve to engage in services with Chapman and Cutler, LLP for purposes of bond and disclosure counsel services.

As discussed at a previous Executive Oversight Committee, the Authority will be seeking a bond to finance the Primary Clarifier and Gravity Thickener Improvement Project that is expected to take place in 2024.

Due to the nature of a bond, it is highly recommended, if not required, for the Authority to retain legal counsel in addition to its existing legal representation, specifically for the purposes of serving as bond counsel and disclosure counsel for the bond in reference. Enclosed with this memo is an engagement letter from Chapman and Cutler LLP for these services. Chapman and Cutler also provides financial counsel services for the Village of Glen Ellyn.

The Authority is requesting authorization to engage in bond counsel and disclosure counsel for the Primary Clarifier and Gravity Thickener Improvements Project with Chapman and Cutler LLP.

Proceeds from the bond itself will be used to pay these fees, and will be paid at the closing of the bond.

7. Approve to engage in services with Robert W. Baird & Co. Incorporated for purposes of financial advice in obtaining a bond.

As discussed at a previous Executive Oversight Committee, the Authority will be seeking a bond to finance the Primary Clarifier and Gravity Thickener Improvement Project that is expected to take place in 2024.

Due to the nature of a bond, it is highly recommended, if not required, for the Authority to retain a financial advisor, specifically for the purposes retaining and working with an underwriter. Enclosed with this memo is an engagement letter from Robert W. Baird & Co. for these services. Robert W. Baird & Co. provides financial counsel services for the Village of Glen Ellyn as well.

The Authority is requesting authorization to engage in financial advising services for the Primary Clarifier and Gravity Thickener Improvements Project with Robert W. Baird & Co.

Proceeds from the bond itself will be used to pay these fees, and will be paid at the closing of the bond.

8. Bond Resolution

As discussed at a previous Executive Oversight Committee, the Authority will be seeking a bond to finance the Primary Clarifier and Gravity Thickener Improvement Project that is expected to take place in 2024.

In order to proceed with the bond issuance, per Section 3.2(d)(1) of the Intergovernmental Cooperation Act requires approval by a majority of the Authority's Full Board in order to issue revenue bonds.

Enclosed with this memo is the proposed bond resolution that will be brought forth to the November 13, 2023 Glenbard Wastewater Authority Full Board Meeting. The resolution was prepared by the Authority's bond council, Chapman and Cutler, and is in accordance with all laws and regulations.

No approval from the Executive Oversight Committee is being requested at this time, as the only requirement is for the Full Board approval, therefore, this item is only brought forward for discussion and information sharing purposes.

9. Request to waive competitive bidding for the SRI Bridge Rehabilitation

In August 2023 the Authority sent a request for proposals for an IDOT inspection on the only bridge located in the main plant, commonly referred to as the SRI bridge. The RFP was sent to shortlisted firms that had certified IDOT bridge inspectors in-house. Trotter

and Associates was selected for the work, and the inspection was completed shortly afterwards.

The inspection yielded that the bridge itself was in relatively good shape, but did require some rehabilitation work in order to maintain its rated capacity of 80,000 pounds. The engineers estimate calculated roughly \$65,000 of rehabilitation work. Based on the Authority's purchasing policy for professional services, Trotter and Associates was chosen to develop plans and specifications to supply to a contractor in order to move forward with the rehabilitation work. A portion of the rehabilitation consists of repaving asphalt on the bridge deck prior to winter in order to protect the structural components from further degradation. Asphalt paving typically ceases in late November due to colder weather, therefore, the Technical Advisory Committee suggested to request to waive the public bidding process to expedite the process. As this work is expected to exceed \$20,000, waiving of the competitive bidding is allowed in accordance with Section C, 1: Exceptions to Competitive Bidding of the Glen Ellyn Purchasing Policies and Procedures (per the IGA, the Authority follows the lead agencies purchasing policy), which states, "A purchase or contract over \$20,000 that is by its nature not adapted to award by competitive bidding may be approved by a 2/3rd vote of the Village Board." However, in order to maintain a competitive procurement process, proposals will still be requested from at least three qualified contractors.

Therefore, the Authority requests to waive the competitive bidding process for the SRI Bridge Rehabilitation and move forward with obtaining proposals from at least three qualified contractors to perform the work.

#### 10. Final CY2024 Budget Requesting Recommendation for Approval to GWA Full Board

After the presentation of the first draft of the CY2024 budget to the Executive Oversight Committee at the September 14, 2023 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 in the proposed budget:

The budget has an O&M increase of 6.71% (\$329,247), and an overall increase, including capital, of 4.3% or \$379,256 over the CY2023 budget. It is requested that the EOC motion to authorize approval of the CY2024 GWA Budget to the Full Boards of Glen Ellyn and Lombard.

#### 11. Discussion

##### 11.1 Anticipated near future Requests for Authorization

As the Authority prepares to finalize and seek approval of its CY2024 budget, initial steps to begin projects that are anticipated to be completed and approved in CY2024 have also began. Pending approval of the CY2024 budget, in future months, the Authority anticipates seeking approval for the following items;

- Primary Clarifier and Gravity Thickener Improvements Project Construction

The Authority has continued to “shelf” this project in hopes that it may become eligible for funding via the Illinois Environmental Protection Agencies State Revolving Loan Low Interest funding, however, after being moved to the bypass list the past several years, this project has been deferred long enough and needs to move forward. If a bond resolution is approved, the Authority will be ready to move forward with a public bidding process to obtain a contractor to perform the work.

- 2024 Facility Plan

Per the Intergovernmental Agreement that the Authority was formed by, every five years the Authority shall conduct a review of the capital plan; said review shall be performed by an outside consultant and be known as the facilities plan. The result shall be used as the basis for updating the Authority’s ten (10) year capital plan. The last Facility Plan was completed in CY2019, and therefore, is due to be completed in CY2024. A formal request for proposals will be sent to the Authority’s shortlisted consulting firms, afterwards staff will score the proposals, and recommend the selected proposal for award to the Executive Oversight Committee.

- SRI Bridge Rehabilitation

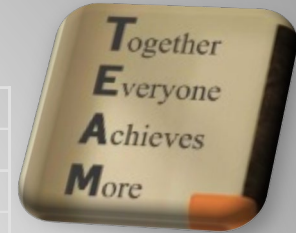
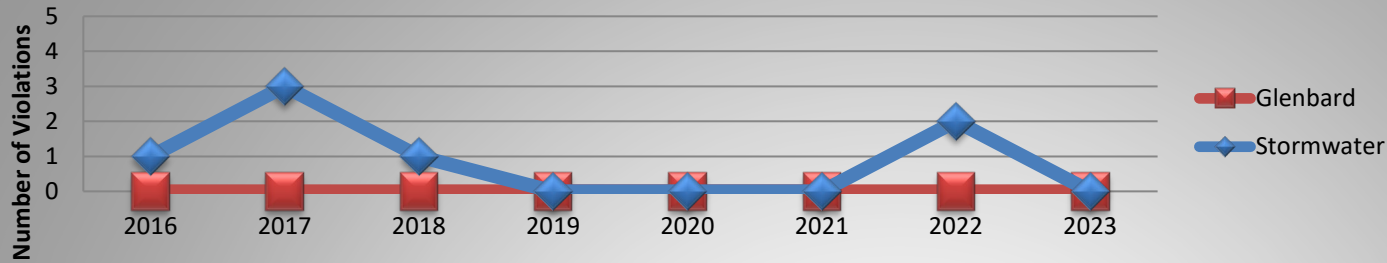
As described in item 9 of this agenda, if approved, the Authority will be seeking quotes from qualified contractors to perform rehabilitation work on the “SRI Bridge” located on the main plant site. Due to the engineers estimate of \$65,000, if reasonably priced proposals are received, a request for approval will be needed from the Executive Oversight Committee to award a contract.

12. Other Business

12.1 Technical Advisory Committee Updates

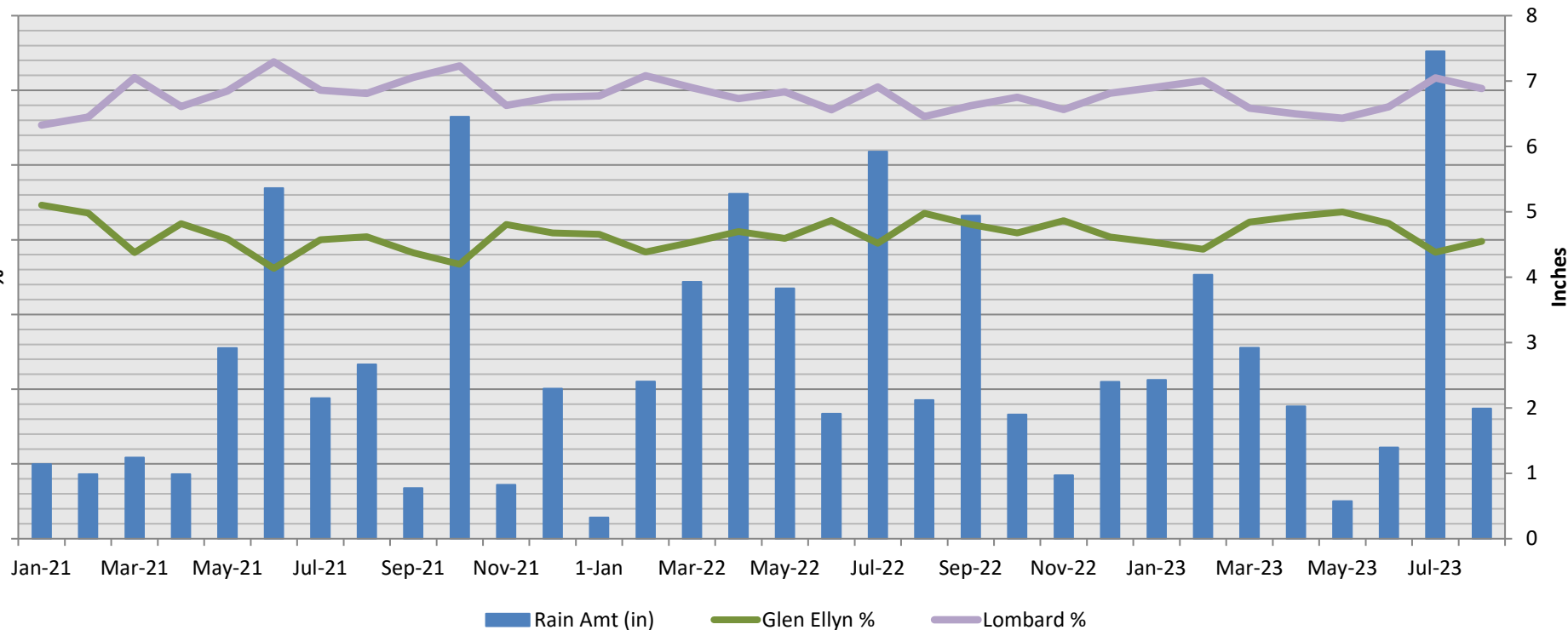
13. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, November 9, 2023 at 8:00 a.m.***

# NPDES Permit Violations



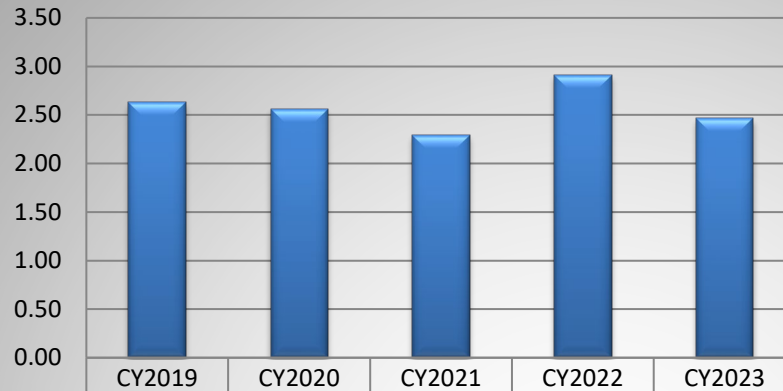
<b>Glenbard Plant: *Current Record</b>	<b>Stormwater Facility: * Current Record</b>
3890 Days February 4, 2013 through August 31, 2023	384 Days September 11, 2022 through August, 2023
Previous excursion free operating record:	Previous excursion free operating record:
1058 Days September 8, 2007 – April 10, 2010	1140 Days July 11, 2009 through August 27, 2012

## Flow Billing Comparison



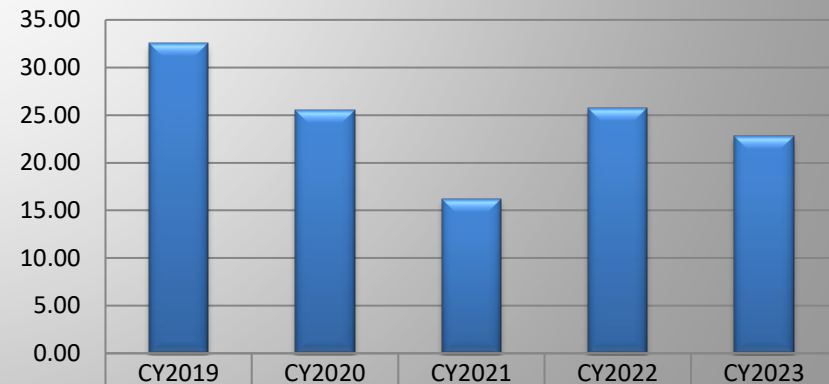


## Billion Gallons Treated Per Year as of August 31, 2023



■ Billion Gallons Treated Per Year as of August 31, 2023

## Total Rainfall in Inches as of August 31, 2023

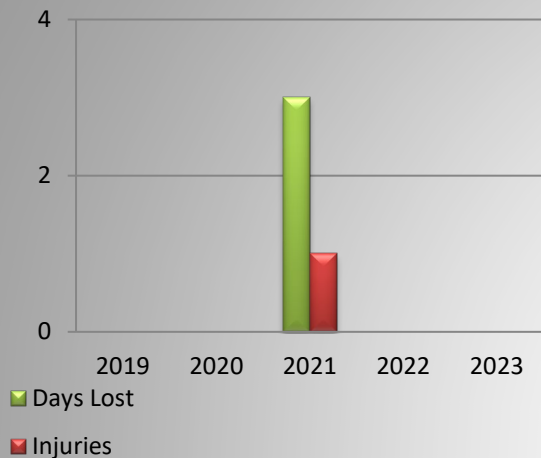


■ Total Rainfall in Inches as of August 31, 2023



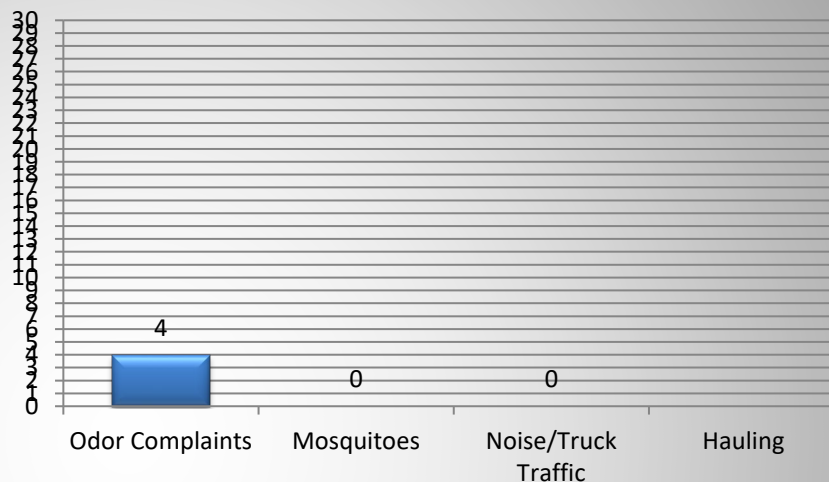
# The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts

## Injuries + Lost Time

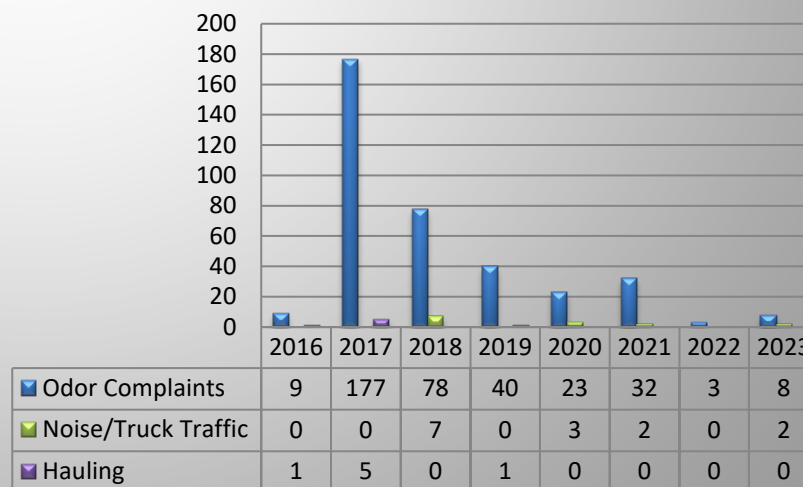


Year	2019	2020	2021	2022	2023
Injuries	0	0	1	0	0
Days Lost	0	0	3	0	0

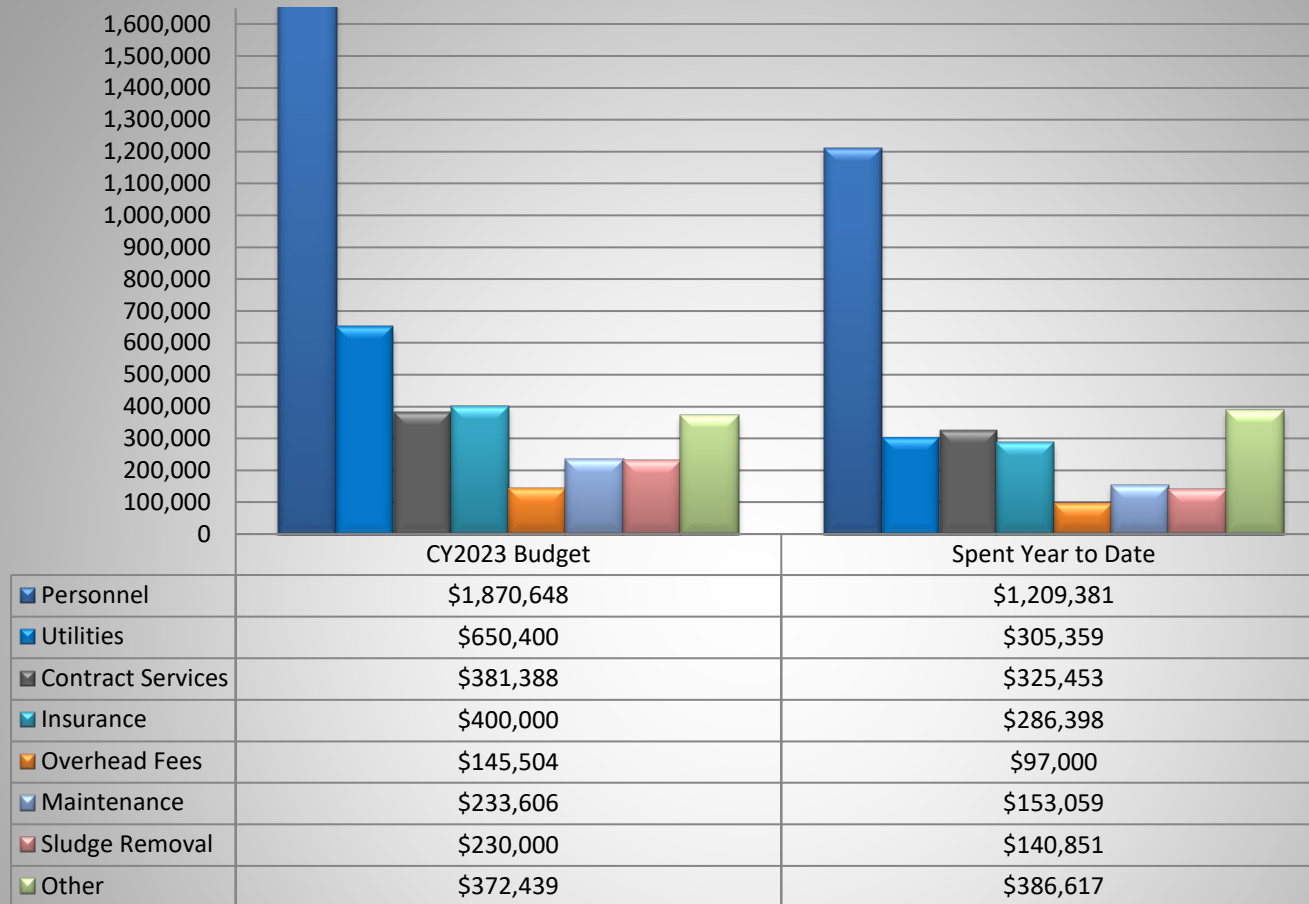
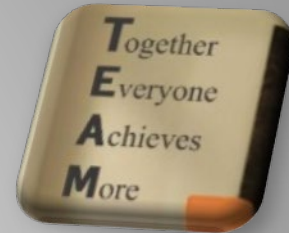
## September 2023 Complaints



## Annual Complaint Comparison



# Aug 2023 O&M Expense \$ Reporting

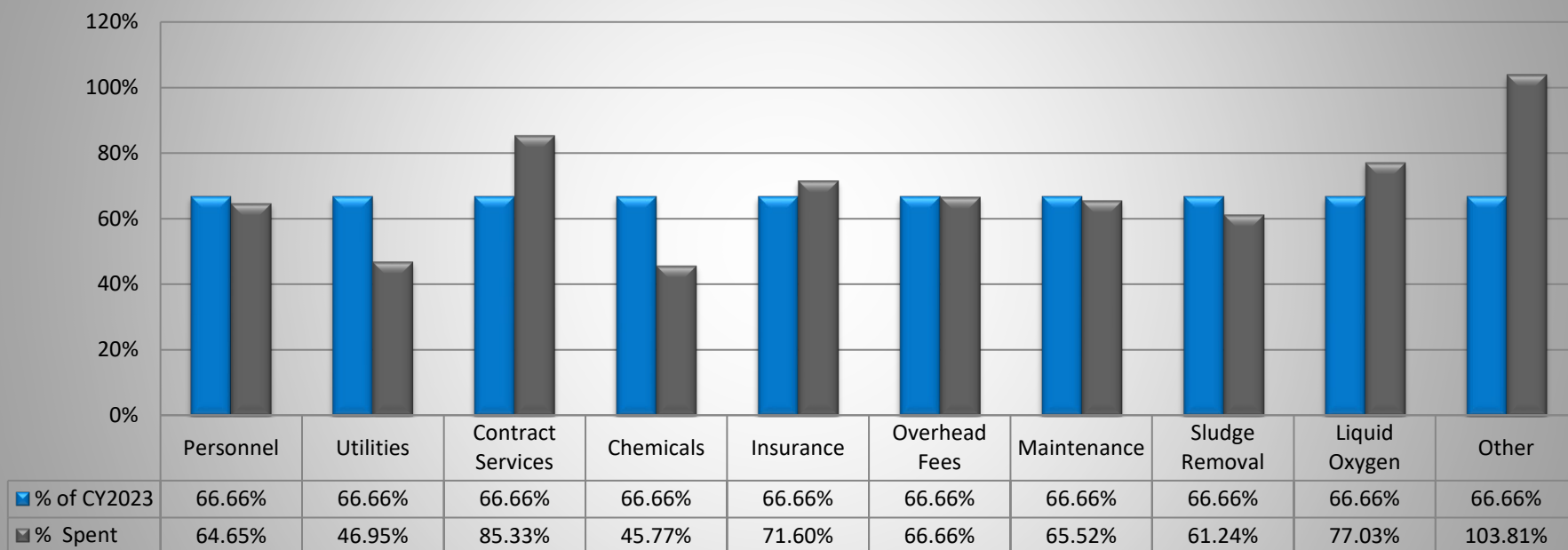


	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
<b>CY2023 Budget</b>	\$1,870,648	\$650,400	\$381,388	\$296,000	\$400,000	\$145,504	\$233,606	\$230,000	\$335,000	\$372,439
<b>Spent Year to Date</b>	\$1,209,381	\$305,359	\$325,453	\$135,483	\$286,398	\$97,000	\$153,059	\$140,851	\$258,061	\$386,617
<b>% of CY2023</b>	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%
<b>% Spent</b>	64.65%	46.95%	85.33%	45.77%	71.60%	66.66%	65.52%	61.24%	77.03%	103.81%

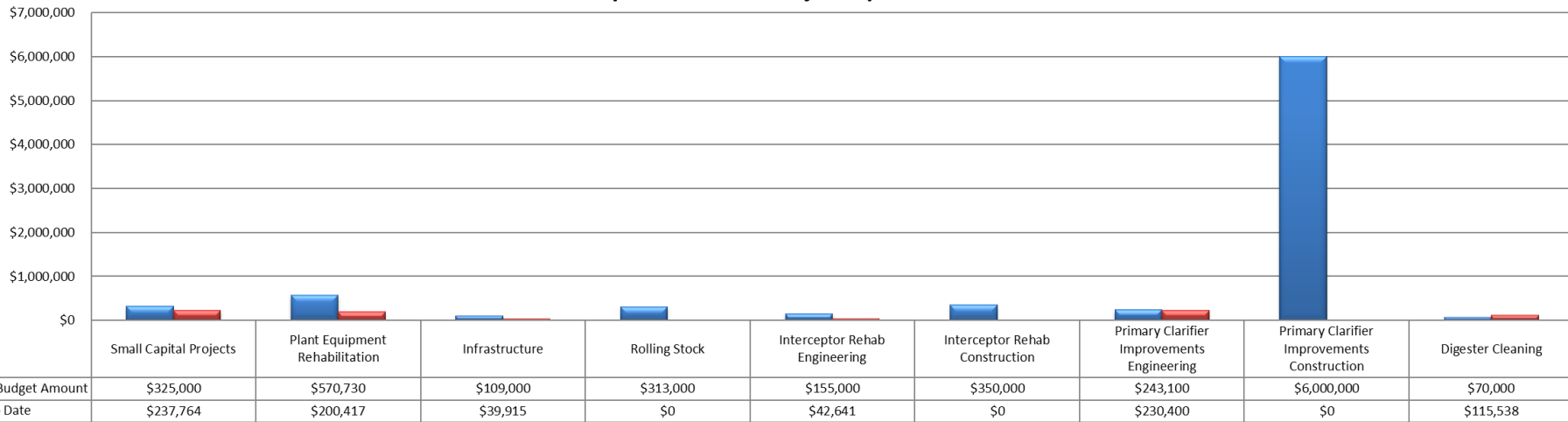




## August 2023 O&M Expense % Reporting



## September 2023 Project Updates

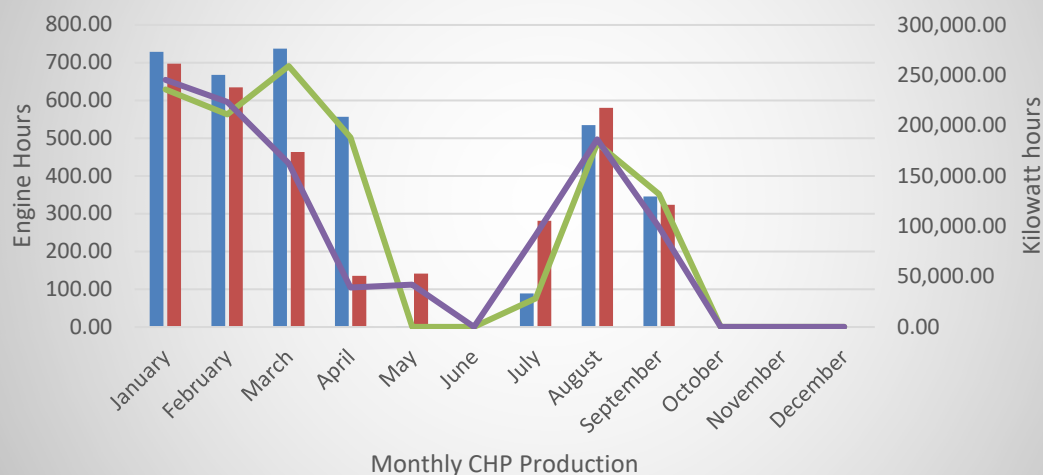


Description	Project Budget Amount	Spent to Date	Updates
Small Capital Projects	\$325,000	\$237,764	September 25, 2023
Plant Equipment Rehabilitation	\$570,730	\$200,417	September 25, 2023
Infrastructure	\$109,000	\$39,915	September 25, 2023
Rolling Stock	\$313,000	\$0	September 25, 2023
Interceptor Rehab Engineering	\$155,000	\$42,641	September 25, 2023
Interceptor Rehab Construction	\$350,000	\$0	September 25, 2023
Primary Clarifier Improvements Engineering	\$243,100	\$230,400	September 25, 2023
Primary Clarifier Improvements Construction	\$6,000,000	\$0	September 25, 2023
Digester Cleaning	\$70,000	\$115,538	September 25, 2023

# Combined Heat & Power Production Report



Road to Net Zero



Monthly CHP Production 2023 = \$0.08/kWh						
	Engine #1 Hrs	Engine #2 Hrs	Engine #1 kWh	Engine #2 kWh	\$ Saved	% Electricity Generated
January	728.60	696.70	235,947.00	245,273.00	\$25,899.56	202%
February	667.80	634.80	211,161.00	223,393.00	\$23,387.97	152%
March	736.60	463.30	259,138.00	162,550.00	\$22,695.51	177%
April	556.10	135.10	188,282.00	39,158.00	\$12,240.96	77%
May	2.20	141.60	0.00	41,988.00	\$2,259.82	9%
June	0.00	0.00	0.00	0.00	\$0.00	0%
July	88.50	281.40	28,267.00	91,301.30	\$6,435.24	22%
August	534.10	580.30	182,294.00	186,347.00	\$19,840.49	86%
September	345.70	323.10	131,933.00	99,181.00	\$12,438.70	90%



# Return on Investment Monetary Breakdown

		HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ \$0.07/kWh	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss -
	RECS							
<b>Calendar Year 2022</b>								
January		203,200	\$10,160.00	\$11,262.84	\$0.00	\$21,422.84	\$28,805.84	(7,383.00)
February		202,792	\$10,139.60	\$8,649.87	\$0.00	\$18,789.47	\$28,805.84	(10,016.37)
March		159,801	\$7,990.05	\$11,967.66	\$0.00	\$19,957.71	\$28,805.84	(8,848.13)
April		241,062	\$12,053.10	\$5,583.69	\$0.00	\$17,636.79	\$28,805.84	(11,169.05)
May		214,818	\$10,740.90	\$0.00	\$0.00	\$10,740.90	\$28,805.84	(18,064.94)
June		305,168	\$15,258.40	\$90.89	\$0.00	\$15,349.29	\$28,805.84	(13,456.55)
July	\$33,491.70	312,067	\$15,603.35	\$10,917.82	\$0.00	\$60,012.87	\$28,805.84	31,207.03
August		404,880	\$20,244.00	\$11,177.61	\$0.00	\$31,421.61	\$28,805.84	2,615.76
September		368,250	\$18,412.50	\$3,723.72	\$0.00	\$22,136.22	\$28,805.84	(6,669.62)
October		362,468	\$18,123.40	\$21,046.16	\$14,943.61	\$24,225.95	\$28,805.84	(4,579.89)
November		406,390	\$20,319.50	\$22,918.61	\$0.00	\$43,238.11	\$28,805.84	14,432.27
December		389,200	\$19,460.00	\$22,367.64	\$508.00	\$41,319.64	\$28,805.84	12,513.80
<b>Annual Totals</b>	\$33,491.70	3,570,096	\$178,504.80	\$129,706.53	\$15,451.61	\$326,251.42		
<b>Repayment Balance</b>	\$2,715,645.63							
<b>Annual Payback on Investment</b>	\$263,337.56							
<b>Current Return on Investment in Years</b>	10.3							
		HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ \$0.07/kWh	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss -
	RECS							
<b>Calendar Year 2023</b>								
January		425,900	\$21,295.00	\$25,899.56	\$822.78	\$46,371.78	\$28,805.84	17,565.94
February		355,250	\$17,762.50	\$23,387.97	\$9,990.00	\$31,160.47	\$28,805.84	2,354.62
March		437,713	\$21,885.65	\$22,695.51	\$10,190.00	\$34,391.16	\$28,805.84	5,585.32
April		190,422	\$9,521.10	\$12,240.96	\$11,274.92	\$10,487.14	\$28,805.84	(18,318.70)
May		0	\$0.00	\$2,259.82	\$0.00	\$2,259.82	\$28,805.84	(26,546.02)
June		0	\$0.00	\$0.00	\$0.00	\$0.00	\$28,805.84	(28,805.84)
July		85,000	\$4,250.00	\$6,435.24	\$0.00	\$10,685.24	\$28,805.84	(18,120.60)
August		234,379	\$11,718.95	\$19,840.49	\$1,887.00	\$29,672.44	\$28,805.84	866.59
September			\$0.00	\$12,438.70		\$12,438.70	\$28,805.84	(16,367.14)
October			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
November			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
December			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
<b>Annual Totals</b>	\$0.00	1,728,664	\$86,433.20	\$125,198.25	\$34,164.70	\$177,466.75		
<b>Repayment Balance</b>	\$2,538,178.89							
<b>Annual Payback on Investment</b>	\$283,015.99							
<b>Current Return on Investment in Years</b>	9.0							

# **SECTION 5.0**

## **CONSENT AGENDA**

**SECTION 5.1**

**MINUTES –**

**SEPTEMBER 14, 2023**

**MEETING**

GLENBARD WASTEWATER AUTHORITY  
Executive Oversight Committee  
Minutes  
September 14, 2023  
**8:00 a.m.**

Members Present:

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

Others Present:

Matthew Streicher	Executive Director, GWA
Jeremy Henning	Assistant Director, GWA
Rick Freeman	Electric Superintendent, GWA
Jon Braga	Maintenance Superintendent, GWA
Andrew Pakosta	Operations Superintendent, GWA
Patrick Brankin	Interim Finance Director, Village of Glen Ellyn

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

*Motion the EOC to approve the following items including Payroll and Vouchers for the months of June, July, and August of 2023 in the amount of \$2,237,099.17 (Trustee Christiansen).*

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

- 5.1 Executive Oversight Committee Meeting Minutes:  
June 8, 2023 EOC Meeting
- 5.2 Vouchers Previously Reviewed:  
June, July, and August 2023 – Trustee Christiansen
- 5.3 Declaration of Surplus – Empty Polymer Totes (x22), Kyocera DuraXV E4610 Flip Phones (x2), Cisco 819-4G Wireless Routers (x10), Cisco 4G Antennas (x10)

The Authority regularly purchases a product called Clarifloc from Polydyne, Inc. Clarifloc is a polymer that is used in the dewatering phase of the treatment process and helps create a thicker biosolid and allows our belt filter presses to remove more water from the solids. The polymer is delivered to the authority in 2300 lb. totes that, once emptied, have historically been scheduled for pickup through the distributor for re-use/recycling. The Authority also occasionally uses a few totes for the storage of other liquid waste products such as used engine oil or used cooking oil. The use of the totes is built into the cost of the polymer and there is no additional charge if these totes are used for other purposes and not returned to the distributor.

Per a staff suggestion, the Authority recently inquired with Polydyne if the totes could safely be resold by the Authority. Polydyne agreed that the polymer product is non-hazardous and as long as all labeling has been removed from the totes, they can be reused or resold at our discretion. Based on this information and research by staff, the Authority believes some revenue can be generated by auctioning off the empty totes.

While preparing the resolution for declaration of surplus, it was decided to include other end-of-life electronics as well. Two Kyocera DuraXV flip phones were recently taken out of service and replaced with iPhones in an effort increase staff productivity and capabilities. These phones were well maintained and some revenue can be generated by auctioning off the wiped devices.

Earlier this year, the Authority also worked with an integrator to replace all of the end-of-life wireless 4G routers in use at all of the Authority's remote structures. The manufacturer no longer provided hardware support for the Cisco 819-4G wireless routers and, as such, created a higher risk for the Authority if a router were to fail. The old cellular routers were taken out of service and successfully replaced in April of this year. The end-of-life retired routers may still be of value to other organizations that have not undergone the same type of replacement project. Authority staff worked with our integrator to confirm that these units have been properly wiped and have no information related to the Authority saved on them. These routers were all in working condition when taken out of service and some revenue can be generated by auctioning off the wiped devices.



It is our intent, once declared surplus by the EOC, to post these items to govdeals.com, an online government auction website, with the expectation that some financial benefit would be recovered.

Therefore, enclosed with this memo is the formal resolution auctioning off Empty Polymer Totes (x22), Kyocera DuraXV E4610 Flip Phones (x2), Cisco 819-4G Wireless Routers (x10), Cisco 4G Antennas (x10) for approval. The Authority respectfully requests that the EOC motion to approve Resolution No. 2022-001, a resolution authorizing the sale of equipment - Empty Polymer Totes (x22), Kyocera DuraXV E4610 Flip Phones (x2), Cisco 819-4G Wireless Routers (x10), Cisco 4G Antennas (x10)

#### 5.4 Approval of 3-Year Natural Gas Contract

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

Therefore, it is recommended the EOC authorize the Authority to formally enter into a 3-year agreement with Constellation for natural gas supply at a rate of \$0.46711/therm. This amount has been taken into account in the draft CY2024 budget, and will be reflected in future years budgets.

#### 5.5 Ratification of Email Poll Items

##### 5.5.1 2023 NRI Rehabilitation Project Award

At the June 8, 2023 EOC meeting, the EOC approved the Authority to waive the competitive bidding process for the upcoming NRI Rehabilitation Project to award a contract based on price negotiations with the three previous bidders for the project. Working with the consultant, RJN Group, the Authority moved forward with those negotiations and received negotiated bids from two out of the three previous bidders. The low bid was from Hoerr Construction at \$381,075 and the bid price came in at 3% below the engineer's most recent cost estimate. After two previous public bid openings with unexpectedly high bid prices, this was the hoped for result of negotiating directly with the three previous bidders. As was the case in the previous two public bids, the bypass pumping was the biggest variable in the project plan from each bidder. Having worked closely with the two bidders on the negotiations, RJN is confident in Hoerr's bypass approach and has written the attached award recommendation letter for Hoerr Construction.

Because of price escalations and unforeseen unit costs for certain line items, the engineer's original estimate from last year increased in the

original RFP in March, and up through the most price negotiations performed in July. The original engineer's estimate in 2022 was \$310,730, which increased to \$359,450 for the March and May RFP's and is now \$393,600 for the recent price negotiations. Glenbard budgeted for \$310,730 based on the original engineer estimated amount. Even though the low bid comes in over budget by approximately \$70,000, this is by far, the closest any bid has been to the engineer's estimate and the budgeted amount. The Authority and RJN Group agree that delaying the project any further could potentially lead to failures of infrastructure that are in need of rehabilitation and/or lead to greater costs for repair in the future. The Authority will be actively assessing the current year budget to find ways to offset the additional funds needed from the capital fund.

The Authority is requesting the Executive Oversight Committee give authorization to award Hoerr Construction with a notice to proceed for the 2023 NRI Rehabilitation Project in the amount of \$381,075. This project was budgeted for in the CY2023 Approved Equipment Rehabilitation Budget, Fund 40-580150.

#### 5.5.2 2023 Asphalt Resurfacing & Patching Program Pricing Revision

Since the approval of the 2023 Asphalt Resurfacing & Patching Program at the June EOC meeting, staff has been working to move forward with the low bidder, Brothers Asphalt, on verifying the project scope and the contract documentation. After site visits and discussions with the contractor, it was brought to the Authority's attention that the tonnage calculations for the new surface course and leveling binder to be applied were incorrect. Staff first verified the square yardage calculations were correct, but did find that the tonnage was calculated incorrectly on the RFP. This error was due to GWA staff's unfamiliarity with paving contracts, and the correct conversion from square yards of pavement to tons of asphalt.

After recalculating the tonnage and verifying all other quantities shown in the RFP, GWA requested revised pricing from Brother's Asphalt to account for the quantity change. Brother's Asphalt retained all unit prices from the original bid and adjusted their total price based solely on the additional tonnage quantity provided by the Authority. No other scope line items were changed in the revised pricing. Therefore, the corrected pricing that authorization is being requested for is the true value of the project. The total tonnage listed on the RFP was shown as 2,275 tons, when in fact the correct tonnage is 4,006 tons. Because of this adjustment, the total price of the paving contract will increase from \$333,510.63 to \$479,377.38. This amount comes in at less than 50% of the total budgeted amount for repaving and would still be within 2% of the engineers estimate for the project, which leaves enough funds to complete the

remainder of the paving project for Bemis Road and the administrative parking lot in 2024.

The Authority is requesting the Executive Oversight Committee approve the change in pricing for an additional \$145,866.75 and authorize the Authority to award Brothers Asphalt Paving with a notice to proceed for the 2023 Asphalt Resurfacing Program for the total amount of \$479,377.38. This amount will be taken out of the CY2023 Approved Budget, Fund 40 Capital Plan.

6. Approval of 3-Year Contract for Landscaping Services

The CY2024-CY2026 Landscape Maintenance Services Contract is a Lump-Sum contract billed on a monthly basis during the eight (8) month contract season each year. Below is the bid tabulation sheet for the September 1, 2023 Landscape Maintenance Services bid opening. Sixteen agencies had the RFP in hand at the time of bidding. Of these, five responded with proposals ranging from a high of \$258,060.00 to a low of \$80,248 for services. Below is a table summarizing all the bids received:

<b>Company</b>	<b>Bid Amount - Total 3 Year</b>
Sebert Landscaping	\$80,248.00
NAV Group	\$81,367.96
Beary Landscaping	\$132,720.00
Apex Landscaping	\$166,326.89
Mark 1 Landscape	\$258,060.00

The Authority's previous landscape contractor for CY2021-CY2023 was Sebert Landscaping. They provided poor services during their contract duration, they appeared to perform the bare minimum, and often it took time from Authority staff to reinforce contract terms. Therefore, the Authority desired to dismiss Sebert's bid, and began to check references for the second low bidder, NAV Group. It was found that the second low bidder had no similar experience to the scope the Authority is requesting. Due to lack of any credible references, as well as not having performed the type of work being requested, the Authority began looking at the next low bidder.

The next low bidder, Beary Landscaping, was substantially higher than the low bid at \$52,472 higher than Sebert. The options of which contractor to award the contract to were discussed with the TAC, and although Beary Landscaping has credible references, rather than incur an additional ~\$17.5k/year in costs to the Authority's O&M budget, the Authority will recommend to award Sebert the contract. Despite their services being poor, they did perform the minimum basic services, and would respond to corrective

action at times. It should be noted that the contract does allow for the Owner to terminate services at any time during its term, and is not required to provide any reason for termination.

The Authority is requesting authorization to Award a Three-Year (3) contract to Sebert Landscaping in the total amount of \$80,248.00 to supply Landscape Maintenance Services as proposed for the Glenbard Plant, Stormwater Plant, the acquired parcel across from the Glenbard Plant (940 Bemis) and acquired parcel directly north of the main plant (1S 641 Sunnybrook Rd) during this three-year contract term.

*Mr. Streicher explained that normally this item would have remained on the consent agenda, however, it was pulled out because of unique circumstances. GWA's existing landscaping services contract is with Sebert, and that contract expires at the end of this season. The Authority has not been entirely satisfied with Sebert's performance through the life of the existing contract, they have been performing the bare minimum, and it has taken quite a bit of time and effort on the Authority's behalf to keep them doing that bare minimum. They were not specifically invited to bid; however, they were not excluded from the bidding process either. They submitted the low bid at the September 1st bid opening, so the Authority considered dismissing their bid and moving onto the next low bidder, the NAV group. After looking into the NAV group, they had no comparable references to the scope that GWA was seeking, so there was not a large amount of confidence that they could have performed better, and could have possibly been worse than Sebert's. Due to the next low bidder being approximately \$52,000 higher, this was brought to the TAC, where it was determined there was not enough justification to dismiss Sebert's – and the contract will allow us to terminate for any reason at any time moving forward. Therefore, if Sebert's does not perform, their contract will be terminated. This was pulled from the consent agenda because it's possible the EOC may see this item on the agenda again next year. GWA will meet with them prior to the contract beginning to explain to them the circumstances.*

*Mr. Niehaus asked whether or not Sebert will have a short leash. Mr. Niehaus pointed out that with a \$17k/year price difference, if it ends up taking too much staff time, it's not worth it. Mr. Streicher explained that GWA did propose to the TAC that we not award them, but due to the price difference, it could not be ignored.*

*Trustee Bachner asked which areas they were lacking in. Mr. Streicher explained that essentially all they were doing was mowing, with occasional bush trimming. We have never seen them apply fertilizer/weed killer, and it has taken frequent reminders for them to simply to mow grass at times. In addition, brush clearing had been neglected significantly, so much so that it ended up being out of their scope. GWA had to expend extra effort to get the brush cleared due to their negligence. Trustee Bachner asked if we brought this to their attention previously, to which Mr. Streicher replied that we had and explained that the intentions of staff are to create a written checklist prior to the start of the next contract*

*Trustee Bachner asked if there were any other tactics to compel compliance other than termination. Mr. Streicher stated that GWA may decide to withhold payments as another tactic.*

*Mr. Buckley informed the TAC that landscaping contractors are a very difficult industry to keep to task. They do not typically perform everything in contracts, typically since they have such a variety of work between jobs, there is not much oversight. Mr. Streicher explained that initially GWA was happy to have had Sebert, as they perform for other large clients, who all have beautiful grounds.*

*Mr. Streicher also explained there was some concern that their bid was less than a 1% increase over the previous 3-year bid price, which leads to speculation that they do not intend to expend many resources on our contract.*

***Trustee Christiansen motioned and Trustee Bachner seconded the motion to authorize the Authority to Award a Three-Year (3) contract to Sebert Landscaping in the total amount of \$80,248.00 to supply Landscape Maintenance Services as proposed for the Glenbard Plant, Stormwater Plant, the acquired parcel across from the Glenbard Plant (940 Bemis) and acquired parcel directly north of the main plant (1S 641 Sunnybrook Rd) during this three-year contract term.***

7. Draft Budget Discussion

Enclosed is a memo summarizing the highlights of the draft CY2024 budget, along with the draft budget itself. At this point in time, the budget has an overall increase of 4.3% or \$376,256 over the CY2023 budget. The majority of the increases are in the O&M budget, which had a number of expenses increase due to new regulations, increased material prices, and general personnel costs.

*Mr. Streicher led the discussion by thanking GWA staff for their input and assistance in putting together the CY2024 budget, as well as the TAC, and the Finance Directors. The agenda packet contains a lengthy memo that details all of the changes from CY23 to CY24, however, rather than go through each item in detail several slides were put together to summarize items. Mr. Streicher did state that if there were any questions on items in the detailed memo to please feel free to ask.*

*4.3% overall increase from CY23 to CY24, with the majority of that increase being due to the O&M increase, which is seeing a 6.71% increase. There are several individual reasons for that higher increase that will be explained in further detail. The overall budget number that will be sought from the Full Board is just under \$18M. The draft capital number that is being presented may see a slight change as cost estimates are updated; however, it will not affect the capital contributions from each Village. Mr. Streicher explained that last year the EOC agreed on indefinitely setting the capital contribution increase to 1.25%, so the target is to budget according to that increase. Mr. Franz voiced that the 1.25% may not be indefinite, but instead in the near-term future.*

*Mr. Streicher presented an additional slide showing the differences between CY23 and CY24 in categories within the O&M budget. The largest increases were in O&M (out of the O&M) and personnel. The next slide gave a closer view on the breakdown of O&M costs. There is a net increase in the O&M budget of around \$330,000, with all of the increases being close to \$400,000, while also seeing decreases of \$80,000. The biggest contributor to the increase was due to Biosolids Hauling as the result of a new state law that will be explained. Personnel did not see any turnover. Natural gas will have a new rate coming into effect in February 2024 coming off a historic low rate. Combined heat and power engines will be seeing a significant service interval. While “uncontrollable” may not be the best description, but these are necessary costs that the Authority attempted to minimize as best as possible. Mr. Streicher explained that GWA could not really take credit for any of the decreases, as the decrease in Pretreatment was due to not having to perform the local limits study that was required this year due to the new NPDES permit, GWA benefited from the Village of Glen Ellyn’s sale of surplus equipment/vehicles and investment incomes, and the Finance directors recalculated the Overhead fees, which came out lower than previous years.*

*Mr. Streicher explained that the biggest increase in O&M was due to biosolids increase due to a house bill that became a law, which regards prevailing wages. Although GWA’s contracts require prevailing wages, previously, biosolids haulers had a loophole that exempted them from that because part of the work was related to agricultural work. A recent case was brought forward that proved that land application was essential to wastewater treatment works, and therefore, should require prevailing wages. This is true for GWA, because if we cannot land apply, we have to pay significantly more to landfill our biosolids – which may not even be accepted at landfills. GWA has already received a letter from our existing hauler stating that as the new law takes effect, they will claim force majeure on the contract, and require a rate increase. This increase has been reflected in the draft budget, resulting in the significant \$155,000 O&M increase. GWA’s existing contract does expire early next year, so discussion will be had with the TAC as to whether or not to break contract if force majeure is being claimed, or just continue on until the contract expires and rebid at that time.*

*Capital budget, out of the \$12M that was slated, the majority of the costs consist of 6 different large projects – mainly the Primary Clarifier Improvements project, at \$6.6M, which has been pushed back several years. Manager Franz asked if the \$6.6M cost included financing costs, to which Mr. Streicher replied, no, it only included construction and engineering. Mr. Franz suggested increasing the potential bond amount to reflect.*

*Mr. Streicher offered to answer any other questions that arise, and confirmed that no vote is required on this item at the moment, but due to other business – an October EOC meeting will be held where we’ll request a formal vote on the budget so it can move forward to a full board meeting.*

*Manager Franz asked Mr. Streicher to highlight the “big project” coming up. Mr. Streicher referred to the capital plan, where it’s broken down with engineering starting in 2029, spanning for two years, and construction beginning in 2031 spanning 3 years. GWA is anticipating Phosphorus to be implemented into it’s permit by 2038, however,*

*due to aging infrastructure, improvements will have to be implemented prior to the regulation taking effect.*

*Mr. Goldsmith inquired as to the use of the properties GWA acquired in relation to the “big project” and if this was enough space for the design. Mr. Streicher highlighted that GWA is preparing to send out a Request for Proposals for a Facility Plan, and since GWA does a Facility Plan every 5 years, the request will be to update the most recent facility plan, but really focus on preliminary engineering for the upcoming large project in 2029. Mr. Goldsmith confirmed that the preliminary engineering will evaluate land use potential. Trustee Bachner asked if there was consideration in taking over the roadway and vacating the right of way to create dead ends. Mr. Streicher replied that this was discussed, but due to “second point of ingress and egress” that it would not be feasible. Manager Franz stated that reconfiguring the roadway may be a more likely possibility. Mr. Streicher highlighted additional properties that could be acquired to give more options, but that this will be evaluated in more detail during the Facility Planning study, as this project is now on the 5-year horizon. Mr. Franz asked if the ponds were a viable option, but Mr. Streicher explained that hydraulically it would not be as feasible, but also that DuPage County may not allow process lines to be installed under the DuPage River. Mr. Streicher also stated that area could potentially be used for solar fields.*

*Mr. Goldsmith stated he was being pre-emptive, but based on land use, parcels may need to be consolidated. Mr. Franz suggested this be investigated during the Facility Plan as well.*

*Manager Niehaus stated the Village of Lombard is onboard for a November 13<sup>th</sup> Full Board meeting to be held at the Village of Glen Ellyn*

## 8. Discussion

### 8.1 Solar Power Proposals

At the March, 2023 EOC meeting, the Authority approved to enter into a no cost agreement that would provide consulting services to conduct an investigation/study into the feasibility of a solar power “power purchase agreement” (PPA) or an outright ownership of a solar installation for the Authority. The results of the study were favorable, and therefore, a request for proposals was distributed to solar developers authorized to work in the state of Illinois. Proposals were due June 30<sup>th</sup>, and although the Authority only receive one response, the option of outright ownership yielded a favorable return on investment. However, since there was only one proposal, the Authority decided it did not demonstrate a competitive process, and re-released the request for proposals with attempts to make the request more attractive to bidders.

The second round of proposals were due August 31<sup>st</sup>, and are being evaluated with the Technical Advisory Committee and Finance directors to determine if any options are feasible within the Authority’s O&M and/or Capital budgets, and if

so, how to best move forward. Any formal award to a solar developer will be brought forward to the Executive Oversight Committee for approval.

*Mr. Henning discussed how GWA has been looking at the old lagoons for a potential solar field. He summarized that in March 2023, the EOC approved for GWA to enter into an agreement with a consulting agency for no cost to determine if solar is a possibility. After determining it was a feasible option, GWA went out to bid twice to date, unfortunately, only one bid was received each time. However, the return on investment for the one bid as attractive to the Authority for a self-ownership model and a power purchase agreement model where the Authority would purchase the electricity generated by the field from a third party. The PPA model was less attractive, but would still reduce the amount of electricity drawn off the grid. Unfortunately, receiving only one bid is not demonstrating much competitiveness. Despite making changes for the second bid opening, it still appeared developers were reluctant to bid. Mr. Henning suspected that there were a couple of reasons developers may have been hesitant to bid, with one reason being the required land development that would need to go into preparing the site where the field would be located, and the other reason being the low electric supply rate GWA pays on their existing supply contract. Developers did not think that GWA would be interested because the PPA rate could not get close to the supply rate; therefore, in the second request for proposals GWA highlighted that we would still like to see potential PPA rates because our electric rate will not stay this low when our contract is up in 2026.*

*GWA still intends to have further discussions with the consultants to see how we could move forward. If any proposals were to move forward, EOC approval would be needed.*

*Manager Niehaus inquired as to what the desired return on investment was for GWA, as Village of Lombard typically seeks an 8–10-year ROI on these types of projects. Mr. Henning stated the less favorable option, the PPA, was closer to a 10-year return on investment. He also mentioned how the self-ownership model was not included in the budget, adding another complication, but if it were purchased outright the payback with incentives was very quick; with 50-70% of the incentives coming back in the first two years. Manager Niehaus inquired as to what kind of incentives they were, to which Mr. Henning replied they were state and federal based off certain criteria. Trustee Christian asked if there was a minimum square footage requirement. Mr. Henning said not necessarily, but the larger the array, the better the return on investment. Mr. Henning said that with the self-ownership model the savings was in the millions of dollars over 25 years. Mr. Streicher stated the first ROI we calculated on the outright purchase was just 4.5 years. Due to the very attractive ROI, Mr. Streicher stated that during a TAC meeting, Mr. Sexton suggested an idea of the Villages financing the project, and GWA would reimburse the Villages' as incentives were received. Trustee Bachner asked if the solar developers would have to apply for the incentives, or if GWA would. Mr. Streicher believes it would on the contractor. Mr. Goldsmith*



*asked if the proposal included a breakdown of what the site preparation would be. Mr. Henning replied that they did not.*

*Mr. Niehaus stated he supports the effort, and would normally say “measure twice, cut once,”; however, for this instance, he would suggest “measuring 3 or 4 times.” Trustee Christiansen stated she was concerned about a solar project that would require the removal of trees.*

*Mr. Streicher also stated that another concern was that existing residential parcels overlook the wooded property, so there may be objections to GWA installing solar panels at that location, and there could be zoning issues that need to be looked into.*

*Mr. Franz asked how high the panels sit off the ground. Mr. Streicher responded that they are about 5-6 feet in height. Mr. Henning added that we also stated in the request that the ground underneath the panels would be turned into a native habitat area.*

*Mr. Giagnorio advised to be slow, careful, and vet everybody out because of the high number of solar companies that have gone bankrupt.*

*Mr. Franz inquired as to what type of infrastructure would need to be built, and if the bridge to the lagoon area would need to be replaced. Mr. Streicher replied that it would not, and the biggest infrastructure would be power lines.*

*Mr. Streicher concluded that the only reason this was on the discussion agenda was due to the prior week’s bid opening, and that we had hoped to discuss steps moving forward with the EOC, but knew we would not have an item ready to vote on. However, with having only received one bid, we need to go back to the drawing board.*

*Trustee Bachner inquired as to whether or not we’d continue to use the CHP’s if we ended up moving forward with solar. Mr. Streicher replied that we would re-evaluate that when the life of the engines was up.*

*Trustee Bachner also inquired as to why the CHP’s did not appear to be used over the summer. Mr. Streicher explained that due to a digester upset, immediately followed by the digester cleaning, did not allow us to generate enough gas to use the CHP’s.*

## **9. Other Business**

### **9.1 Technical Advisory Committee Updates**

*Mr. Franz asked Mr. Streicher to explain the IEPA loan process and why GWA will need to seek a bond for a financing option. Mr. Streicher described the process and what GWA had experienced with the Primary Clarifier Rehabilitation Project.*

*Mr. Franz explained that there had been meetings with bond council and financial advisors, as well as some follow up internal meetings. After further vetting, Mr. Franz will be recommending GWA issue its own revenue bonds. It would be similar to debt payments from IEPA loans; however, a debt resolution would need to be passed by the full board. No action would be needed from the EOC; however, it would be advised to run the resolution and process by the EOC at the October meeting.*

*Mr. Streicher stated that the capital budget does reflect the bond repayments within it, incorporating the higher interest rate.*

*Mr. Franz stated we need to vet things further and get the GWA attorney involved eventually as well.*

*Mr. Bachner asked if there was a bond rating for GWA. Mr. Franz replied, no, we do not. Mr. Bachner also asked if a more favorable bond rating would affect the projected interest rate on the bond. Mr. Bachner also asked if the suggested strategy of negotiated sale for the bonds if that could drive the projected interest rate as well. Mr. Franz replied yes.*

*Mr. Franz informed the group that he believes in the future the bond interest rates will start to become more competitive with the IEPA loan interest rates. Mr. Niehaus feels that the state will eventually raise interest rates as well.*

*Mr. Streicher informed the group that GWA will still apply for IEPA loans on future projects in the event the funds become available for its projects.*

*Mr. Niehaus feels there will be value to this process to establish GWA's credit history to give future flexibility for financing options.*

10. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, October 12, 2023 at 8:00 a.m.***

***Mr. Franz made the motion to adjourn the September 14, 2023 EOC Committee meeting and Trustee Bachner seconded the MOTION. President Giagnorio, President Senak, Trustee Bachner, Trustee Christiansen, Mr. Niehaus, Mr. Franz, Mr. Goldsmith and Mr. Buckley, responded "Aye" during a roll call. The motion carried. The meeting adjourned at 8:50 a.m.***

**SECTION 5.2**

**VOUCHER REPORTS**

**SEPTEMBER 2023**

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

<b>EXPENDITURES:</b>	<b>Check Date</b>	<b>Paid Amount</b>	
Accounts Payable 0923		\$ 458,901.96	
Accounts Payable 0923-1		\$ 55,406.91	
Accounts Payable 0923-2		\$ 745,586.87	
		\$ -	
		<u><u>\$ 1,259,895.74</u></u>	<u><u>\$ 1,259,895.74</u></u>

<b>PAYROLL EXPENDITURES:</b>	<b>September 8, 2023</b>	<b>September 22, 2023</b>	
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<b>Net Employee Payroll Checks</b>	<u><u>\$ 40,422.06</u></u>	<u><u>\$ 40,320.46</u></u>	
<b><u>Employee &amp; Employer Payroll Deductions:</u></b>			
Employee Deductions*	\$ 20,795.43	\$ 20,695.74	
IMRF - Employer contribution	\$ 2,387.57	\$ 2,362.30	
Social Security/Medicare Tax Withheld - Employer portion	\$ 4,480.08	\$ 4,479.97	
<b>Total Payroll</b>	<u><u>\$ 68,085.14</u></u>	<u><u>\$ 67,858.47</u></u>	<b>\$ 135,943.61</b>
			<u><u>\$ 1,395,839.35</u></u>

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

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	DESCR
881 AIRGAS, INC											
27695	20230004	09/02/2023		0923-1	961892	1,500.00	1,500.00	09/15/2023	INV	PD	LEASE OF ATMO
CHECK DATE:		09/18/2023									
27696		09/02/2023		0923-1	961892	6,457.28	6,457.28	09/15/2023	INV	PD	2024961 - LIQ
CHECK DATE:		09/18/2023									
27697		09/02/2023		0923-1	961892	120.02	120.02	09/15/2023	INV	PD	2024961 - CYL
CHECK DATE:		09/18/2023									
27746		09/09/2023		0923-2	961924	10,769.99	10,769.99	09/30/2023	INV	PD	2024961 - LIQ
CHECK DATE:		09/29/2023									
27767		09/16/2023		0923-2	961924	3,775.21	3,775.21	09/29/2023	INV	PD	#2024961-LIQU
CHECK DATE:		09/29/2023									
27768		09/23/2023		0923-2	961924	6,401.54	6,401.54	09/29/2023	INV	PD	#2024961-LIQU
CHECK DATE:		09/29/2023									
						29,024.04					
958 BAXTER & WOODMAN, INC.											
27693	20230005	08/22/2023		0923-1	961893	6,891.25	6,891.25	08/31/2023	INV	PD	ASSISTANCE WI
CHECK DATE:		09/18/2023									
1400 BROTHERS ASPHALT PAVING, INC.											
27684	20230010	08/11/2023		0923	961891	458,901.96	458,901.96	08/31/2023	INV	PD	ASPHALT RESUR
CHECK DATE:		09/08/2023									
33 CALCO, LTD.											
27769		09/15/2023		0923-2	961925	204.00	204.00	09/29/2023	INV	PD	#8061-LAB WAT
CHECK DATE:		09/29/2023									
1268 JP MORGAN CHASE NA											
2535514		09/05/2023		0923-2	3674	146.00	146.00	09/26/2023	DIR	PD	CHICAGO TRIBU
CHECK DATE:		09/29/2023									
27802		09/05/2023		0923-2	3675	274.12	274.12	09/26/2023	DIR	PD	B2B-MONTHLY P
CHECK DATE:		09/29/2023									
1946656		09/05/2023		0923-2	3676	89.91	89.91	09/26/2023	DIR	PD	AMAZON-OUTDOO
CHECK DATE:		09/29/2023									
27803		09/05/2023		0923-2	3677	64.95	64.95	09/26/2023	DIR	PD	AMAZON-SURFAC
CHECK DATE:		09/29/2023									
27804		09/05/2023		0923-2	3678	399.96	399.96	09/26/2023	DIR	PD	AMAZON-PORTAB
CHECK DATE:		09/29/2023									
27805		09/05/2023		0923-2	3679	55.96	55.96	09/26/2023	DIR	PD	AMAZON-POWER
CHECK DATE:		09/29/2023									
27806		09/05/2023		0923-2	3680	198.00	198.00	09/26/2023	DIR	PD	EBAY-RADIO BA
CHECK DATE:		09/29/2023									
1946756		09/05/2023		0923-2	3681	240.29	240.29	09/26/2023	DIR	PD	IEPA-ANNAL RO
CHECK DATE:		09/29/2023									
27807		09/05/2023		0923-2	3682	100.00	100.00	09/26/2023	DIR	PD	FOX VALLY OPE
CHECK DATE:		09/29/2023									
27808		09/05/2023		0923-2	3683	85.00	85.00	09/26/2023	DIR	PD	WEF-CONF REGI
CHECK DATE:		09/29/2023									
27809		09/05/2023		0923-2	3684	61.35	61.35	09/26/2023	DIR	PD	IL PROF LICEN

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID	AMOUNT	DUE DATE	TYPE	STS	DESCR
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27810		09/29/2023		0923-2	3686	196.40		196.40	09/26/2023	DIR	PD	AMAZON-WATER
1946561		09/05/2023		0923-2	3687	36.99		36.99	09/26/2023	DIR	PD	AMAZON-WATER
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3688	60.00		60.00	09/26/2023	DIR	PD	GS BOOSTERS-F
27811		09/29/2023		0923-2	3689	24.99		24.99	09/26/2023	DIR	PD	AMAZON-COFFEE
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3690	120.00		120.00	09/26/2023	DIR	PD	PAYPAL-IWEA C
27812		09/29/2023		0923-2	3691	23.78		23.78	09/26/2023	DIR	PD	AMAZON-SAFETY
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3692	40.44		40.44	09/26/2023	DIR	PD	JEWEL-SUPPLIE
27813		09/29/2023		0923-2	3693	93.09		93.09	09/26/2023	DIR	PD	AMAZON-HYDRAT
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3694	22.49		22.49	09/26/2023	DIR	PD	AMAZON-HYDRAT
27814		09/29/2023		0923-2	3695	14.00		14.00	09/26/2023	DIR	PD	AMAZON-SAFETY
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3696	187.60		187.60	09/26/2023	DIR	PD	AMAZON-2024 J
27815		09/29/2023		0923-2	3697	17.90		17.90	09/26/2023	DIR	PD	AMAZON-SIGNAG
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3698	38.99		38.99	09/26/2023	DIR	PD	AMAZON-FRAMES
27816		09/29/2023		0923-2	3699	8.95		8.95	09/26/2023	DIR	PD	AMAZON-EYE WA
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3700	48.99		48.99	09/26/2023	DIR	PD	AMAZON-WATER
27817		09/29/2023		0923-2	3701	30.00		30.00	09/26/2023	DIR	PD	CSWEA-CONF PE
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27818		09/29/2023		0923-2	3703	15.98		15.98	09/26/2023	DIR	PD	YODECK-INTERN
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3704	85.00		85.00	09/26/2023	DIR	PD	WEF-CONF REGI
27819		09/29/2023		0923-2	3705	287.90		287.90	09/26/2023	DIR	PD	AMAZON-GREASE
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3706	100.00		100.00	09/26/2023	DIR	PD	DRIVING TESTS
27820		09/29/2023		0923-2	3707	93.67		93.67	09/26/2023	DIR	PD	AMAZON-FRAMIN
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3708	43.96		43.96	09/26/2023	DIR	PD	AMAZON-SIGNAG
27821		09/29/2023		0923-2	3709	9.99		9.99	09/26/2023	DIR	PD	AMAZON-QUICK
CHECK DATE: 09/29/2023		09/05/2023		0923-2	3711	94.23		94.23	09/26/2023	DIR	PD	AT&T-BACKUP I
27822		09/29/2023		0923-2	3712	222.85		222.85	09/26/2023	DIR	PD	ROSATI'S-FARE
CHECK DATE: 09/29/2023		09/05/2023		0923-2								

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID	AMOUNT	DUE DATE	TYPE	STS	DESCR
27836		09/05/2023		0923-2	3713	1.31		1.31	09/26/2023	DIR	PD	UPS-LATE FEE
CHECK DATE:	09/29/2023											
27837		09/05/2023		0923-2	3714	16.42		16.42	09/26/2023	DIR	PD	UPS-SHIPPING
CHECK DATE:	09/29/2023											
27838		09/05/2023		0923-2	3715	117.00		117.00	09/26/2023	DIR	PD	TAYST-COFFEE
CHECK DATE:	09/29/2023											
768 CINTAS FIRST AID & SAFETY						3,807.05						
27698		09/01/2023		0923-1	961894	312.21		312.21	09/15/2023	INV	PD	10127979 - FI
CHECK DATE:	09/18/2023											
1405 CLOUDMELLOW CONSULTING LTD. CO.												
27770		09/01/2023		0923-2	961926	95.00		95.00	09/29/2023	INV	PD	WEBSITE HOSTI
CHECK DATE:	09/29/2023											
1218 COLLEY ELEVATOR CO.												
27699		09/01/2023		0923-1	961895	218.00		218.00	09/15/2023	INV	PD	BE0945 - ELEV
CHECK DATE:	09/18/2023											
490 COMCAST CABLE COMMUNICATIONS, LLC												
27700		08/25/2023		0923-1	961896	308.88		308.88	09/15/2023	INV	PD	8771200570017
CHECK DATE:	09/18/2023											
27847		09/25/2023		0923-2	961927	332.88		332.88	09/29/2023	INV	PD	8771200570017
CHECK DATE:	09/29/2023											
1138 CONSTELLATION ENERGY SERVICES INC						641.76						
27747		09/07/2023		0923-2	961928	1,701.67		1,701.67	09/30/2023	INV	PD	BG-11933 - NA
CHECK DATE:	09/29/2023											
62 PADDOCK PUBLICATIONS, INC												
27701		08/28/2023		0923-1	961897	128.80		128.80	09/15/2023	INV	PD	112117 - LEGA
CHECK DATE:	09/18/2023											
994 DIRECT ENERGY MARKETING, INC.												
27702		08/14/2023		0923-2	961929	93,622.80		93,622.80	09/15/2023	INV	PD	1152328 - ELE
CHECK DATE:	09/29/2023											
27771		09/14/2023		0923-2	961929	14,932.64		14,932.64	09/29/2023	INV	PD	#1152328-ELEC
CHECK DATE:	09/29/2023											
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC						108,555.44						
27800		08/28/2023		0923-2	961930	2,389.86		2,389.86	09/29/2023	INV	PD	#81393-99-ELE
CHECK DATE:	09/29/2023											
97 FIRST ENVIRONMENTAL LABORATORIES, INC.												

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID	AMOUNT	DUE DATE	TYPE	STS	DESCR
27686		08/25/2023		0923-1	961898	336.00		336.00	08/31/2023	INV	PD	LAB SVCS - MO
CHECK DATE:	09/18/2023											
27748		09/12/2023		0923-2	961931	237.60		237.60	09/30/2023	INV	PD	GLENBD - LAB
CHECK DATE:	09/29/2023											
27749		09/14/2023		0923-2	961931	527.40		527.40	09/30/2023	INV	PD	GLENBD - LAB
CHECK DATE:	09/29/2023											
27750		09/11/2023		0923-2	961931	356.40		356.40	09/30/2023	INV	PD	GLENBD - LAB
CHECK DATE:	09/29/2023											
27772		09/19/2023		0923-2	961931	378.00		378.00	09/29/2023	INV	PD	LAB SVCS PRIO
CHECK DATE:	09/29/2023											
27773		09/19/2023		0923-2	961931	378.00		378.00	09/29/2023	INV	PD	LAB SVCS-ANNU
CHECK DATE:	09/29/2023											
27774		09/19/2023		0923-2	961931	117.60		117.60	09/29/2023	INV	PD	LAB SVCS-MONT
CHECK DATE:	09/29/2023											
						2,331.00						
1290 AST CONSULTING INC.												
27703		08/31/2023		0923-1	961899	640.00		640.00	09/15/2023	INV	PD	1521 - TRAINI
CHECK DATE:	09/18/2023											
1250 FREDRIKSEN FIRE EQUIPMENT COMPANY												
27704		08/28/2023		0923-1	961900	3,051.47		3,051.47	09/15/2023	INV	PD	GLEW02 - EXT
CHECK DATE:	09/18/2023											
293 VILLAGE OF GLEN ELLYN												
10131117		09/05/2023		0923-2	3710	15,975.00		15,975.00	09/26/2023	DIR	PD	MONTHLY IFT T
CHECK DATE:	09/29/2023											
27743		09/01/2023		0923-1	961901	3,022.69		3,022.69	09/15/2023	INV	PD	610130 - WATE
CHECK DATE:	09/18/2023											
27744		09/01/2023		0923-1	961901	19.86		19.86	09/15/2023	INV	PD	432720 - WATE
CHECK DATE:	09/18/2023											
						19,017.55						
297 W.W. GRAINGER, INC.												
27705		09/06/2023		0923-1	961902	358.98		358.98	09/15/2023	INV	PD	801764762 - B
CHECK DATE:	09/18/2023											
27706		09/05/2023		0923-1	961902	336.52		336.52	09/15/2023	INV	PD	801764762 - M
CHECK DATE:	09/18/2023											
27707		09/01/2023		0923-1	961902	396.36		396.36	09/15/2023	INV	PD	801764762
CHECK DATE:	09/18/2023											
27708		09/01/2023		0923-1	961902	21.32		21.32	09/15/2023	INV	PD	801764762 - M
CHECK DATE:	09/18/2023											
27709		08/31/2023		0923-1	961902	-72.40		-72.40	09/15/2023	CRM	PD	801764762-ORI
CHECK DATE:	09/18/2023											
27710		08/30/2023		0923-1	961902	122.26		122.26	09/15/2023	INV	PD	801764762 - E
CHECK DATE:	09/18/2023											
27711		08/30/2023		0923-1	961902	72.40		72.40	09/15/2023	INV	PD	801764762 - M
CHECK DATE:	09/18/2023											
27712		08/29/2023		0923-1	961902	441.18		441.18	09/15/2023	INV	PD	801764762 - M
CHECK DATE:	09/18/2023											



## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID	AMOUNT	DUE DATE	TYPE	STS	DESCR
27713		08/29/2023		0923-1	961902	483.52		483.52	09/15/2023	INV	PD	801764762 - M
CHECK DATE:	09/18/2023											
27751		09/13/2023		0923-2	961932	96.82		96.82	09/30/2023	INV	PD	801764762 - M
CHECK DATE:	09/29/2023											
27752		09/11/2023		0923-2	961932	190.39		190.39	09/30/2023	INV	PD	801764762
CHECK DATE:	09/29/2023											
27753		09/08/2023		0923-2	961932	13.14		13.14	09/30/2023	INV	PD	801764762 - E
CHECK DATE:	09/29/2023											
27754		09/08/2023		0923-2	961932	396.36		396.36	09/30/2023	INV	PD	801764762 - S
CHECK DATE:	09/29/2023											
27775		09/21/2023		0923-2	961932	134.35		134.35	09/29/2023	INV	PD	#801764762-JA
CHECK DATE:	09/29/2023											
27776		09/19/2023		0923-2	961932	113.33		113.33	09/29/2023	INV	PD	#801764762-JA
CHECK DATE:	09/29/2023											
27777		09/19/2023		0923-2	961932	406.13		406.13	09/29/2023	INV	PD	#801764762-EL
CHECK DATE:	09/29/2023											
27778		09/15/2023		0923-2	961932	944.06		944.06	09/29/2023	INV	PD	#801764762-EL
CHECK DATE:	09/29/2023											
743 GROOT, INC						4,454.72						
27714		09/01/2023		0923-2	961933	550.84		550.84	09/15/2023	INV	PD	3107-69434-00
CHECK DATE:	09/29/2023											
119 HACH COMPANY												
27755		09/07/2023		0923-2	961934	594.00		594.00	09/30/2023	INV	PD	071607 - ELEC
CHECK DATE:	09/29/2023											
124 HOME DEPOT USA, INC												
27715		08/28/2023		0923-1	961903	3.62		3.62	09/15/2023	INV	PD	7114 - MTNCE
CHECK DATE:	09/18/2023											
27716		08/30/2023		0923-1	961903	66.12		66.12	09/15/2023	INV	PD	7114 - MTNCE
CHECK DATE:	09/18/2023											
27717		08/30/2023		0923-1	961903	160.96		160.96	09/15/2023	INV	PD	7114 - MTNCE
CHECK DATE:	09/18/2023											
27718		08/30/2023		0923-1	961903	172.67		172.67	09/15/2023	INV	PD	7114 - BLDG M
CHECK DATE:	09/18/2023											
27779		08/24/2023		0923-2	961935	6.48		6.48	09/29/2023	INV	PD	#7114-MAINT S
CHECK DATE:	09/29/2023											
27780		08/25/2023		0923-2	961935	97.86		97.86	09/29/2023	INV	PD	#7114-ELECTRI
CHECK DATE:	09/29/2023											
27781		09/08/2023		0923-2	961935	7.95		7.95	09/29/2023	INV	PD	#7114-ELECTRI
CHECK DATE:	09/29/2023											
27782		09/08/2023		0923-2	961935	93.79		93.79	09/29/2023	INV	PD	#7114-ELECTRI
CHECK DATE:	09/29/2023											
27783		09/11/2023		0923-2	961935	33.78		33.78	09/29/2023	INV	PD	#7114-MAINT S
CHECK DATE:	09/29/2023											
27784		09/11/2023		0923-2	961935	-22.04		-22.04	09/29/2023	CRM	PD	#7114-CREDIT
CHECK DATE:	09/29/2023											
27785		09/11/2023		0923-2	961935	22.04		22.04	09/29/2023	INV	PD	#7114-MAINT S
CHECK DATE:	09/29/2023											
27786		09/14/2023		0923-2	961935	53.41		53.41	09/29/2023	INV	PD	#7114-ELECTRI

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	DESCR
CHECK DATE: 09/29/2023						696.64					
1166 IDEA MARKETING GROUP, INC											
27720		09/01/2023		0923-1	961904	95.00	95.00	09/15/2023	INV PD	R-15648	- WEB
CHECK DATE: 09/18/2023											
538 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY											
27789		08/15/2023		0923-2	3673	510,431.67	510,431.67	09/29/2023	DIR PD	L17-5180	- LO
CHECK DATE: 09/25/2023											
1147 ILLINOIS AMERICAN WATER COMPANY											
27690		08/24/2023		0923-1	961905	73.37	73.37	08/31/2023	INV PD	#1025-2200084	
CHECK DATE: 09/18/2023											
126 ILLINOIS ASSN. OF WASTEWATER AGENCIES											
27839		09/26/2023		0923-2	961936	5,094.00	5,094.00	09/29/2023	INV PD	ANNUAL DUES 2	
CHECK DATE: 09/29/2023											
27848		09/27/2023		0923-2	961936	800.00	800.00	09/29/2023	INV PD	ANNUAL CONF R	
CHECK DATE: 09/29/2023											
						5,894.00					
1287 INDEPENDENT BEARING INC											
27756		09/12/2023		0923-2	961937	292.60	292.60	09/30/2023	INV PD	ORDER #001063	
CHECK DATE: 09/29/2023											
787 JWC ENVIRONMENTAL LLC											
27787		09/07/2023		0923-2	961938	1,630.25	1,630.25	09/29/2023	INV PD	#5033256-MAIN	
CHECK DATE: 09/29/2023											
185 KONICA MINOLTA BUSINESS SOLUTIONS INC											
27721		08/25/2023		0923-1	961906	96.74	96.74	09/15/2023	INV PD	146316 - COPI	
CHECK DATE: 09/18/2023											
157 LEN'S ACE HARDWARE, INC.											
27791		09/19/2023		0923-2	961939	4.78	4.78	09/29/2023	INV PD	#331050-MAINT	
CHECK DATE: 09/29/2023											
295 VILLAGE OF LOMBARD											
27765		09/01/2023		0923-2	961940	101.25	101.25	09/30/2023	INV PD	30042-001 - W	
CHECK DATE: 09/29/2023											
27766		09/01/2023		0923-2	961940	15.75	15.75	09/30/2023	INV PD	31774-001 - W	
CHECK DATE: 09/29/2023											
						117.00					
1223 CAPITAL ONE NATIONAL ASSN											

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID	AMOUNT	DUE DATE	TYPE	STS	DESCR
27691		08/23/2023		0923-1	961907	353.41		353.41	08/31/2023	INV	PD	#535690-OPERA
CHECK DATE:	09/18/2023											
27722		08/29/2023		0923-1	961907	92.39		92.39	09/15/2023	INV	PD	535690 - MTNC
CHECK DATE:	09/18/2023											
27723		08/29/2023		0923-1	961907	10.98		10.98	09/15/2023	INV	PD	535690 - EQUI
CHECK DATE:	09/18/2023											
27792		08/30/2023		0923-2	961941	54.90		54.90	09/29/2023	INV	PD	#535690-OPS S
CHECK DATE:	09/29/2023											
27840		09/18/2023		0923-2	961941	66.77		66.77	09/29/2023	INV	PD	#535690-MAINT
CHECK DATE:	09/29/2023											
1211 GMC METALS, INC.						578.45						
27793		09/22/2023		0923-2	961942	156.13		156.13	09/29/2023	INV	PD	MAINT METAL S
CHECK DATE:	09/29/2023											
417 MIDWEST FENCE CORPORATION												
27724		08/29/2023		0923-1	961908	3,100.00		3,100.00	09/15/2023	INV	PD	7120 - GATES
CHECK DATE:	09/18/2023											
183 MIELE, INC.												
27801		09/07/2023		0923-2	961943	1,185.89		1,185.89	09/29/2023	INV	PD	LAB WASHER AN
CHECK DATE:	09/29/2023											
951 NATIONAL ASSOCIATION OF CLEAN WATER AGENCIES												
27795		09/07/2023		0923-2	961944	1,100.00		1,100.00	09/29/2023	INV	PD	ANNUAL DUES -
CHECK DATE:	09/29/2023											
1142 GENUINE PARTS CO-NAPA												
27726		08/18/2023		0923-1	961909	5.98		5.98	09/15/2023	INV	PD	13643 - MTNCE
CHECK DATE:	09/18/2023											
209 NCL OF WISCONSIN INC												
27727		08/30/2023		0923-1	961910	848.90		848.90	09/15/2023	INV	PD	17348 - LAB S
CHECK DATE:	09/18/2023											
27842		09/25/2023		0923-2	961945	323.13		323.13	09/29/2023	INV	PD	#17348-LAB SU
CHECK DATE:	09/29/2023											
1168 NORTHERN TOOL & EQUIPMENT						1,172.03						
27728		08/30/2023		0923-1	961911	189.05		189.05	09/15/2023	INV	PD	2836240810541
CHECK DATE:	09/18/2023											
1372 PEERLESS NETWORK, INC.												
27729		09/01/2023		0923-1	961912	373.75		373.75	09/15/2023	INV	PD	GLENBARW9564
CHECK DATE:	09/18/2023											

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	DESCR
1340 PETRARCA, GLEASON, BOYLE & IZZO LLC											
27757		09/11/2023		0923-2	961946	25.00	25.00	09/30/2023	INV	PD	G2700 - LEGAL
CHECK DATE: 09/29/2023											
224 POLYDYNE INC											
27843		09/20/2023		0923-2	961947	11,592.00	11,592.00	09/29/2023	INV	PD	#103379-CHEMI
CHECK DATE: 09/29/2023											
236 RAILROAD MANAGEMENT CO.,LLC											
27730		08/28/2023		0923-1	961913	659.22	659.22	09/15/2023	INV	PD	92241-1 LEASE
CHECK DATE: 09/18/2023											
180 RELADYNE -MID-TOWN PETROLEUM INC.											
27731		09/05/2023		0923-1	961914	1,595.35	1,595.35	09/15/2023	INV	PD	11-0002836 -
CHECK DATE: 09/18/2023											
27796		09/18/2023		0923-2	961948	179.60	179.60	09/29/2023	INV	PD	#11-0002836-M
CHECK DATE: 09/29/2023											
						1,774.95					
1212 RJN GROUP, INC											
27758	20230001	09/07/2023		0923-2	961949	11,800.00	11,800.00	09/30/2023	INV	PD	FLOW MONITORI
CHECK DATE: 09/29/2023											
1346 SEBERT LANDSCAPING											
27759	20230008	09/01/2023		0923-2	961950	3,299.00	3,299.00	09/30/2023	INV	PD	LANDSCAPE MAI
CHECK DATE: 09/29/2023											
993 SIEMENS INDUSTRY, INC.											
27732		08/30/2023		0923-1	961915	514.00	514.00	09/15/2023	INV	PD	30264322 - AL
CHECK DATE: 09/18/2023											
939 STAPLES CONTRACT & COMMERCIAL INC.											
27733		09/02/2023		0923-1	961916	32.52	32.52	09/15/2023	INV	PD	DET 1680518 -
CHECK DATE: 09/18/2023											
27734		09/02/2023		0923-1	961916	9.18	9.18	09/15/2023	INV	PD	DET - 1680518
CHECK DATE: 09/18/2023											
27735		09/02/2023		0923-1	961916	13.78	13.78	09/15/2023	INV	PD	DET 1680518 -
CHECK DATE: 09/18/2023											
27760		09/09/2023		0923-2	961951	26.99	26.99	09/30/2023	INV	PD	DET 1680518 -
CHECK DATE: 09/29/2023											
27761		09/09/2023		0923-2	961951	-20.73	-20.73	09/30/2023	CRM	PD	DET 1680518 -
CHECK DATE: 09/29/2023											
27844		09/22/2023		0923-2	961951	160.21	160.21	09/29/2023	INV	PD	#DET1680518-O
CHECK DATE: 09/29/2023											

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	DESCR
1365 SUBURBAN DRIVELINE INC.						221.95					
27737		08/30/2023		0923-1	961917	45.00	45.00	09/15/2023	INV PD		UNIT 643 - SA
CHECK DATE: 09/18/2023											
27738		09/06/2023		0923-1	961917	90.00	90.00	09/15/2023	INV PD		UNITS 625 & 6
CHECK DATE: 09/18/2023											
738 SUBURBAN LABORATORIES, INC.						135.00					
27739		08/31/2023		0923-1	961918	2,468.90	2,468.90	09/15/2023	INV PD		GLENBARD_INDU
CHECK DATE: 09/18/2023											
1271 SYNAGRO-WWT											
27762		09/01/2023		0923-2	961952	19,353.60	19,353.60	09/30/2023	INV PD		#3430 - HAULI
CHECK DATE: 09/29/2023											
271 TERRACE SUPPLY COMPANY											
27740		08/31/2023		0923-1	961919	53.01	53.01	09/15/2023	INV PD		315850 - CYLI
CHECK DATE: 09/18/2023											
1001 TROTTER AND ASSOCIATES, INC.											
27763		08/27/2023		0923-2	961953	2,928.75	2,928.75	09/30/2023	INV PD		GWA011 - INSP
CHECK DATE: 09/29/2023											
477 UNITED PARCEL SERVICE, INC											
27797		09/09/2023		0923-2	961954	66.46	66.46	09/29/2023	INV PD		#9YF103-ELECT
CHECK DATE: 09/29/2023											
1335 U.S. PEROXIDE, LLC											
27679		08/23/2023		0923-1	961920	15,381.92	15,381.92	08/31/2023	INV PD		#UC500694.001
CHECK DATE: 09/18/2023											
27845		09/26/2023		0923-2	961955	14,638.83	14,638.83	09/29/2023	INV PD		#UC500694.001
CHECK DATE: 09/29/2023											
1344 VEGA BUILDING MAINTENANCE & SUPPLIES INC						30,020.75					
27741	20230003	08/21/2023		0923-1	961921	1,148.00	1,148.00	09/15/2023	INV PD		JANITORIAL SE
CHECK DATE: 09/18/2023											
988 VERIZON WIRELESS SERVICES LLC											
27742		08/23/2023		0923-1	961922	978.18	978.18	09/15/2023	INV PD		942620536-000
CHECK DATE: 09/18/2023											
27798		09/01/2023		0923-2	961956	270.09	270.09	09/29/2023	INV PD		#842065533-00
CHECK DATE: 09/29/2023											

## VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	PAID AMOUNT	DUE DATE	TYPE	STS	DESCR
						1,248.27					
											1360 VIKING ELECTRIC
27764		09/11/2023		0923-2	961957	244.87	244.87	09/30/2023	INV	PD	V43537 - MTNC
		CHECK DATE: 09/29/2023									
											1382 WATER ONE INC
27799		09/18/2023		0923-2	961958	29.75	29.75	09/29/2023	INV	PD	#1029292-MONT
		CHECK DATE: 09/29/2023									
											1404 WESTSIDE MECHANICAL GROUP
27745		08/24/2023		0923-1	961923	1,608.31	1,608.31	09/15/2023	INV	PD	Z9450 - EQUIP
		CHECK DATE: 09/18/2023									
						1,608.31					
157 INVOICES						1,259,895.74					

\*\* END OF REPORT - Generated by Valerie Perez \*\*

# **SECTION 6.0**

**CHAPMAN AND CUTLER,  
LLP –**

**SERVICES ENGAGEMENT  
APPROVAL**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

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

**DATE:** October 12, 2023

**RE:** **Bond Counsel Services**

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As discussed at a previous Executive Oversight Committee, the Authority will be seeking a bond to finance the Primary Clarifier and Gravity Thickener Improvement Project that is expected to take place in 2024.

Due to the nature of a bond, it is highly recommended, if not required, for the Authority to retain legal counsel in addition to its existing legal representation, specifically for the purposes of serving as bond counsel and disclosure counsel for the bond in reference. Enclosed with this memo is an engagement letter from Chapman and Cutler LLP for these services. Chapman and Cutler also provides financial counsel services for the Village of Glen Ellyn as well.

The Authority is requesting authorization to engage in bond counsel and disclosure counsel for the Primary Clarifier and Gravity Thickener Improvements Project with Chapman and Cutler LLP.

Proceeds from the bond itself will be used to pay these fees, and will be paid at the closing of the bond.



September 28, 2023

Matt Streicher  
Executive Director  
Glenbard Wastewater Authority  
945 Bemis Rd  
Glen Ellyn, Illinois 60137

Re: Glenbard Wastewater Authority (the “*Authority*”)  
Wastewater Treatment Facility Revenue Bonds, Series 2023

Dear Matt:

We are pleased to provide an engagement letter for our services as bond counsel and disclosure counsel for the bonds in reference (the “*Bonds*”). For convenience and clarity, we may refer to the Authority in its corporate capacity and to you, the Authority officers (including the governing body of the Authority) and employees and general and special counsel to the Authority, collectively as “*you*” (or the possessive “*your*”). You have advised us that the purpose of the issuance of the Bonds, briefly stated, is to pay the costs of improving the wastewater treatment facilities of the Authority. You are retaining us for the limited purpose of rendering our customary approving legal opinion as described in detail below.

A. DESCRIPTION OF SERVICES AS BOND COUNSEL

As Bond Counsel, we will work with you and the following persons and firms: the underwriters or other bond purchasers who purchase the Bonds from the Authority (all of whom are referred to as the “*Bond Purchaser*”), counsel for the Bond Purchaser, financial advisors, trustee, paying agent and bond registrar and their designated counsel (you and all of the foregoing persons or firms, collectively, the “*Participants*”). We intend to undertake each of the following as necessary:

1. Review relevant Illinois law, including pending legislation and other recent developments, relating to the legal status and powers of the Authority or otherwise relating to the issuance of the Bonds.
2. Obtain information about the Bond transaction and the nature and use of the facilities or purposes to be financed (the “*Project*”).

Matt Streicher  
September 28, 2023  
Page 2

3. Review the proposed timetable and consult with the Participants as to the issuance of the Bonds in accordance with the timetable.

4. Consider the issues arising under the Internal Revenue Code of 1986, as amended, and applicable tax regulations and other sources of law relating to the issuance of the Bonds on a tax-exempt basis; these issues include, without limitation, ownership and use of the Project, use and investment of Bond proceeds prior to expenditure and security provisions or credit enhancement relating to the Bonds.

5. Prepare or review major Bond documents, including tax compliance certificates, review the bond purchase agreement, if applicable, and, at your request, draft descriptions of the documents which we have drafted. We understand that the Bond Purchaser have undertaken to independently perform their due diligence investigation with respect to the Bonds. We further understand that the Authority will be assisted in the preparation of sale documents and in the process of the sale itself by its financial advisor, Robert W. Baird & Co. Incorporated (“*Baird*”). As Bond Counsel, we assist you in reviewing only those portions of an official statement or any other disclosure document to be disseminated in connection with the sale of the Bonds involving the description of the Bonds, the security for the Bonds (excluding forecasts, projections, estimates or any other financial or economic information in connection therewith), the description of the federal tax exemption of interest on the Bonds and, if applicable, the “bank-qualified” status of the Bonds.

6. Prepare or review all pertinent proceedings to be considered by the governing body of the Authority; confirm that the necessary quorum, meeting and notice requirements are contained in the proceedings and draft pertinent excerpts of minutes of the meetings relating to the financing.

7. Attend or host such drafting sessions and other conferences as may be necessary, including a preclosing, if needed, and closing; and prepare and coordinate the distribution and execution of closing documents and certificates, opinions and document transcripts.

8. Render our legal opinion regarding the validity of the Bonds, the source of payment for the Bonds and the federal income tax treatment of interest on the Bonds, which opinion (the “*Bond Opinion*”) will be delivered in written form on the date the Bonds are exchanged for their purchase price (the “*Closing*”). The Bond Opinion will be based on facts and law existing as of its date. Please see the discussion below at Part E. Please note that our opinion represents our legal judgment based upon our review of the law and the facts so supplied to us that we deem relevant and is not a guarantee of a result.

Matt Streicher  
September 28, 2023  
Page 3

B. DESCRIPTION OF SERVICES AS DISCLOSURE COUNSEL

As Disclosure Counsel we will:

1. Assist in the preparation and compilation of the official statement (the “*Official Statement*”) with respect to the Bonds. To the extent that Baird and the Authority request us to act as the draftsman and compiler of such document, the participants to this transaction, including particularly the Authority, should understand that the primary obligation for adequate disclosure rests with the Authority, and recognize that substantial parts of the offering document may be prepared by other participants, who will have their own obligations for adequate and complete information with respect to information that they supply. In compiling such offering document we are *not* undertaking to perform the duties of the Authority or any other transaction participant to provide full, complete and accurate information. We will not pass upon, and or assume responsibility for, the accuracy or completeness of, and will not independently verify, the underlying facts ultimately included in the Official Statement. In particular, we will not be reviewing or passing upon (i) the information relating to The Depository Trust Company and its book-entry only system; (ii) the information relating to the credit providers, if any, contained or incorporated in any section of, or Appendix to, the Official Statement containing information relating to any credit provider, (iii) any financial statements or other financial, operating, statistical or accounting data contained or incorporated therein, including without limitation, information or omissions with respect to any unfunded pension or other post-employment benefits liabilities; (iv) information concerning any past, pending or threatened litigation against the Authority; nor (v) the information concerning the Authority contained in or incorporated by reference.

2. Using a customary form, we will prepare a bond purchase agreement (the “*Purchase Contract*”) and arrange for the Purchase Contract to be executed and delivered by the Bond Purchaser and the Authority on the date of the pricing of the Bonds; we, however, will not advise you or advocate your position in any negotiation of any contested deal points in the Purchase Contract, and all such negotiations will be managed by the Bond Purchaser or the Bond Purchaser’s designee, on behalf of the Bond Purchaser, and by you or your designee, on behalf of the Authority. In addition, we will not negotiate and are not being retained to comment on the business terms of the Purchase Contract.

3. Deliver (a) an opinion to the Authority to the effect that the Bonds are not required to be registered with the Securities and Exchange Commission and (b) a letter to the Authority to the effect that, in the course of our engagement on such matter, no facts have come to our attention which lead us to believe that the Official Statement contained as of its date or the date of closing any untrue statement of a material fact or omitted or omits to state a material fact required to be stated therein or necessary in order to make the statements made therein, in the light of the circumstances under which they were made, not misleading.

Matt Streicher  
September 28, 2023  
Page 4

C. LIMITATIONS; SERVICES WE DO NOT PROVIDE

Our services as Bond Counsel and Disclosure Counsel described above (the “*Services*”) are limited as stated above. Consequently, unless otherwise agreed pursuant to a separate engagement letter, our *Services do not* include:

1. Giving any advice, opinion or representation as to the financial feasibility or the fiscal prudence of issuing the Bonds, including, without limitation, the undertaking of the Project, the investment of Bond proceeds, the making of any investigation of or the expression of any view as to the creditworthiness of the Authority, of the Project or of the Bonds or the form, content, adequacy or correctness of the financial statements of the Authority. We will not offer you financial advice in any capacity beyond that constituting services of a traditionally legal nature.

2. Independently establishing the veracity of certifications and representations of you or the other Participants. For example, we will not review the data available on the Electronic Municipal Market Access system website created by the Municipal Securities Rulemaking Board (and commonly known as “EMMA”) to verify the information relating to the Bonds to be provided by the Bond Purchaser, and we will not undertake a review of your website to establish that information contained therein corresponds to that which you provide independently in your certificates or other transaction documents.

3. Supervising any state, county or local filing of any proceedings held by the governing body of the Authority incidental to the Bonds.

4. Preparing any of the following — requests for tax rulings from the Internal Revenue Service (the “*IRS*”), blue sky or investment surveys with respect to the Bonds, state legislative amendments or pursuing test cases or other litigation.

5. Performing an independent investigation to determine the accuracy, completeness or sufficiency of the Official Statement; and, after the execution and delivery of the Bonds, providing advice as to any Securities and Exchange Commission investigations or concerning any actions necessary to assure compliance with any continuing disclosure undertaking. Please see our comments below at Paragraphs (E)(5) and (E)(6).

6. After Closing, providing continuing advice to the Authority or any other party concerning any actions necessary to assure that interest paid on the Bonds will continue to be tax-exempt; *e.g.*, we will not undertake rebate calculations for the Bonds without a separate engagement for that purpose, we will not monitor the investment, use or expenditure of Bond proceeds or the use of the Project, and we are not retained to respond to IRS audits.

7. Any other services not specifically set forth above in Parts A and B.

Matt Streicher  
September 28, 2023  
Page 5

D. ATTORNEY-CLIENT RELATIONSHIP; REPRESENTATION OF OTHERS

Upon execution of this engagement letter, the Authority will be our client, and an attorney-client relationship will exist between us. However, our Services as Bond Counsel and Disclosure Counsel are limited as set forth in this engagement letter, and your execution of this engagement letter will constitute an acknowledgment of those limitations. Also please note that the attorney-client privilege, normally applicable under state law, may be diminished or non-existent for written advice delivered with respect to Federal tax law matters.

This engagement letter will also serve to give you express written notice that from time to time we represent in a variety of capacities and consult with most underwriters, investment bankers, credit enhancers such as bond insurers or issuers of letters of credit, ratings agencies, investment providers, brokers of financial products, financial advisors, banks and other financial institutions and other persons who participate in the public finance market on a wide range of issues. We may represent the Bond Purchaser in other matters not related to the Bond transaction. Prior to execution of this engagement letter we may have consulted with one or more of such firms regarding the Bonds including, specifically, the Bond Purchaser. We are advising you, and you understand that the Authority consents to our representation of it in this matter, notwithstanding such consultations, and even though parties whose interests are or may be adverse to the Authority in this transaction are clients in other unrelated matters. Your acceptance of our services constitutes consent to these other engagements. Neither our representation of the Authority nor such additional relationships or prior consultations will affect, however, our responsibility to render an objective Bond Opinion.

Your consent does not extend to any conflict that is not subject to waiver under applicable Rules of Professional Conduct (including Circular 230 discussed below), or to any matter that involves the assertion of a claim against the Authority or the defense of a claim asserted by the Authority. In addition, we agree that we will not use any confidential non-public information received from you in connection with this engagement to your material disadvantage in any matter in which we would be adverse to you.

Circular 230 as promulgated by the U.S. Department of Treasury ("*Circular 230*") provides rules of professional conduct governing tax practitioners. Circular 230 includes provisions regarding conflicts of interest and related consents that in some respects are stricter than applicable state rules of professional conduct which otherwise apply. In particular, Circular 230 requires your consent to conflicts of interest be given in writing within 30 days of the date of this letter. If we have not received all of the required written consents by this date, we may be required under Circular 230 to "promptly withdraw from representation" of the Authority in this matter.

Further, this engagement letter will also serve to give you express notice that we represent many other municipalities, school districts, park districts, counties, townships, special districts and units of local government both within and outside of the State of Illinois and also the State itself

Matt Streicher  
September 28, 2023  
Page 6

and various of its agencies and authorities (collectively, the “*governmental units*”). Most but not all of these representations involve bond or other borrowing transactions. We have assumed that there are no controversies pending to which the Authority is a party and is taking any position which is adverse to any other governmental unit, and you agree to advise us promptly if this assumption is incorrect. In such event, we will advise you if the other governmental unit is our client and, if so, determine what actions are appropriate. Such actions could include seeking waivers from both the Authority and such other governmental unit or withdrawal from representation.

We anticipate that the Authority will have its general or special counsel available as needed to provide advocacy in the Bond transaction and has had the opportunity to consult with such counsel concerning the conflict consents and other provisions of this letter; and that other Participants will retain such counsel as they deem necessary and appropriate to represent their interests.

E. OTHER TERMS OF THE ENGAGEMENT; CERTAIN OF YOUR UNDERTAKINGS

Please note our understanding with respect to this engagement and your role in connection with the issuance of the Bonds.

1. In rendering the Bond Opinion and in performing any other Services hereunder, we will rely upon the certified proceedings and other certifications you and other persons furnish us. Other than as we may determine as appropriate to rendering the Bond Opinion, we are not engaged and will not provide services intended to verify the truth or accuracy of these proceedings or certifications. We do not ordinarily attend meetings of the governing body of the Authority at which proceedings related to the Bonds are discussed or passed unless special circumstances require our attendance.

2. The factual representations contained in those documents which are prepared by us, and the factual representations which may also be contained in any other documents that are furnished to us by you are essential for and provide the basis for our conclusions that there is compliance with State law requirements for the issue and sale of valid bonds and with the Federal tax law for the tax exemption of interest paid on the Bonds. Accordingly, it is important for you to read and understand the documents we provide to you because you will be confirming the truth, accuracy and completeness of matters contained in those documents at the issuance of the Bonds.

3. If the documents contain incorrect or incomplete factual statements, you must call those to our attention. We are always happy to discuss the content or meaning of the transaction documents with you. Any untruth, inaccuracy or incompleteness may have adverse consequences affecting either the tax exemption of interest paid on the Bonds or the adequacy of disclosures made in the Official Statement under the State and Federal securities laws, with resulting potential liability for you. During the course of this engagement, we will further assume and rely on you to

Matt Streicher  
September 28, 2023  
Page 7

provide us with complete and timely information on all developments pertaining to any aspect of the Bonds and their security. We understand that you will cooperate with us in this regard.

4. You should carefully review all of the representations you are making in the transaction documents. We are available and encourage you to consult with us for explanations as to what is intended in these documents. To the extent that the facts and representations stated in the documents we provide to you appear reasonable to us, and are not corrected by you, we are then relying upon your signed certifications for their truth, accuracy and completeness.

5. Issuing the Bonds as “securities” under State and Federal securities laws and on a tax-exempt basis is a serious undertaking. As the issuer of the Bonds, the Authority is obligated under the State and Federal securities laws and the Federal tax laws to disclose all material facts. The Authority’s lawyers, financial advisers and bankers can assist the Authority in fulfilling these duties, but the Authority in its corporate capacity, including your knowledge, has the collective knowledge of the facts pertinent to the transaction and the ultimate responsibility for the presentation and disclosure of the relevant information. Further, there are complicated Federal tax rules applicable to tax-exempt bonds. The IRS has an active program to audit such transactions. The documents we prepare are designed so that the Bonds will comply with the applicable rules, but this means you must fully understand the documents, including the representations and the covenants relating to continuing compliance with the federal tax requirements. Accordingly, we want you to ask questions about anything in the documents that is unclear.

6. As noted, the members of the governing body of the Authority also have duties under the State and Federal securities and tax laws with respect to these matters and should be knowledgeable as to the underlying factual basis for the bond issue size, use of proceeds and related matters.

7. We are also concerned about the adoption by the Authority of the gift ban provisions of the State Officials and Employees Ethics Act, any special ethics or gift ban ordinance, resolution, bylaw or code provision, any lobbyist registration ordinance, resolution, bylaw or code provision or any special provision of law or ordinance, resolution, bylaw or code provision relating to disqualification of counsel for any reason. We are aware of the provisions of the State Officials and Employees Ethics Act and will assume that you are aware of these provisions as well and that the Authority has adopted proceedings that are only as restrictive as such Act. However, if the Authority has stricter provisions than appear in such Act or has adopted such other special ethics or lobbyist provisions, we assume and are relying upon you to advise us of same.

#### F. FEES

As is customary, we will bill our fees as Bond Counsel and Disclosure Counsel on a transactional basis instead of hourly. Factors which affect our billing include: (a) the amount of the Bonds; (b) an estimate of the time necessary to do the work; (c) the complexity of the issue



Matt Streicher  
September 28, 2023  
Page 8

(number of parties, timetable, type of financing, legal issues and so forth); (d) recognition of the partially contingent nature of our fee, since it is customary that in the case no financing is ever completed, we render a greatly reduced statement of charges; and (e) a recognition that we carry the time for services rendered on our books until a financing is completed, rather than billing monthly or quarterly.

Our statements of charges are customarily rendered and paid at Closing, or in some instances upon or shortly after delivery of the bond transcripts; we generally do not submit any statement for fees prior to the Closing, except in instances where there is a substantial delay from the expected timetable. In such instances, we reserve the right to present an interim statement of charges. If, for any reason, the Bonds are not issued or are issued without the rendition of our Bond Opinion as bond counsel, or our services are otherwise terminated, we expect to negotiate with you a mutually agreeable compensation.

The undersigned will be the attorneys primarily responsible for the firm's services on this Bond issue, with assistance as needed from other members of our bond, securities and tax departments.

G. RISK OF AUDIT BY INTERNAL REVENUE SERVICE

The IRS has an ongoing program of auditing tax-exempt obligations to determine whether, in the view of the IRS, interest on such tax-exempt obligations is excludable from gross income of the owners for federal income tax purposes. We can give no assurances as to whether the IRS might commence an audit of the Bonds or whether, in the event of an audit, the IRS would agree with our opinions. If an audit were to be commenced, the IRS may treat the Authority as the taxpayer for purposes of the examination. As noted in Paragraph 6 of Part C above, the scope of our representation does not include responding to such an audit. However, if we were separately engaged at the time, and subject to the applicable rules of professional conduct, we may be able to represent the Authority in the matter.

H. END OF ENGAGEMENT AND POST-ENGAGEMENT; RECORDS

Our representation of the Authority and the attorney-client relationship created by this engagement letter will be concluded upon the issuance of the Bonds. Nevertheless, subsequent to the Closing, we will prepare and provide the Participants a bond transcript in a CD-ROM format pertaining to the Bonds and make certain that a Federal Information Reporting Form 8038-G is filed.

Please note that you are engaging us as special counsel to provide legal services in connection with a specific matter. After the engagement, changes may occur in the applicable laws or regulations, or interpretations of those laws or regulations by the courts or governmental agencies, that could have an impact on your future rights and liabilities. Unless you engage us



Matt Streicher  
September 28, 2023  
Page 9

specifically to provide additional services or advice on issues arising from this matter, we have no continuing obligation to advise you with respect to future legal developments.

This will be true even though as a matter of courtesy we may from time to time provide you with information or newsletters about current developments that we think may be of interest to you. While we would be pleased to represent you in the future pursuant to a new engagement agreement, courtesy communications about developments in the law and other matters of mutual interest are not indications that we have considered the individual circumstances that may affect your rights or have undertaken to represent you or provide legal services.

At your request, to be made at or prior to Closing, any other papers and property provided by the Authority will be promptly returned to you upon receipt of payment for our outstanding fees and client disbursements. All other materials shall thereupon constitute our own files and property, and these materials, including lawyer work product pertaining to the transaction, will be retained or discarded by us at our sole discretion. You also agree with respect to any documents or information relating to our representation of you in any matter which have been lawfully disclosed to the public in any manner, such as by posting on EMMA, your website, newspaper publications, filings with a County Clerk or Recorder or with the Secretary of State, or otherwise, that we are permitted to make such documents or information available to other persons in our reasonable discretion. Such documents might include (without limitation) legal opinions, official statements, resolutions, or like documents as assembled and made public in a governmental securities offering.

In addition, we employ cloud-based applications to transmit and to store some or all information concerning this engagement, including the confidential or personal information you provide us. This means that the information you provide with respect to this engagement will not necessarily be stored within our firm or our network, but rather on a third-party's servers, which is commonly referred to as being stored in the cloud. We have reviewed the terms of use, policies, procedures and security practices of each cloud provider we use and your information will be encrypted while in transit to that third party's servers and while at rest in the cloud. While we cannot provide any type of guarantee about the security of the information stored in the cloud, we have concluded the respective cloud providers' practices are compatible with our professional obligations regarding confidential treatment of your information. If you have any concerns about the cloud applications we use please contact us and we will be glad to discuss them further with you.

We call your attention to the Authority's own record keeping requirements as required by the IRS. Answers to frequently asked questions pertaining to those requirements can be found on the IRS' website under frequently asked questions related to tax-exempt bonds at [www.irs.gov](http://www.irs.gov) (click on "Tax Exempt Bond Community", then "Frequently Asked Questions"), and it will be your obligation to comply for at least as long as any of the Bonds (or any future bonds issued to refund the Bonds) are outstanding, plus three years.

Matt Streicher  
September 28, 2023  
Page 10

I. YOUR SIGNATURE REQUIRED

If the foregoing terms are acceptable to you, please so indicate by returning the enclosed copy of this engagement letter dated and signed by an authorized officer not later than 30 days after the date of this letter, retaining the original for your files. Please note that if we perform Services prior to your executing this engagement letter, this engagement letter shall be effective as of the date we have begun rendering the Services. We will provide copies of this letter to certain of the Participants to provide them with an understanding of our role. We look forward to working with you.

Very truly yours,

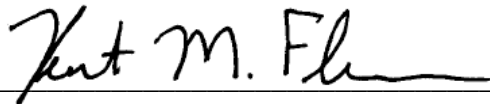
CHAPMAN AND CUTLER LLP

By



Kyle W. Harding

By



Kent M. Floros

Accepted and Approved:

GLENBARD WASTEWATER  
AUTHORITY

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_, 2023

KWH:kd

Enclosure

cc: Stephan Roberts

# **SECTION 7.0**

**ROBERT W. BAIRD & CO.  
INC.**

**SERVICES ENGAGEMENT  
APPROVAL**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

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

**DATE:** October 12, 2023

**RE:** **Bond Counsel Services**

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As discussed at a previous Executive Oversight Committee, the Authority will be seeking a bond to finance the Primary Clarifier and Gravity Thickener Improvement Project that is expected to take place in 2024.

Due to the nature of a bond, it is highly recommended, if not required, for the Authority to retain a financial advisor, specifically for the purposes retaining and working with an underwriter. Enclosed with this memo is an engagement letter from Robert W. Baird & Co. for these services. Robert W. Baird & Co. also provides financial counsel services for the Village of Glen Ellyn as well.

The Authority is requesting authorization to engage in financial advising services for the Primary Clarifier and Gravity Thickener Improvements Project with Robert W. Baird & Co.

Proceeds from the bond itself will be used to pay these fees, and will be paid at the closing of the bond.

October 2, 2023

Mr. Matt Streicher, Executive Director  
Glenbard Wastewater Authority  
945 Bemis Road  
Glen Ellyn, Illinois 60137

Re: Municipal Advisory Services Agreement

Mr. Streicher:

On behalf of Robert W. Baird & Co. Incorporated (“we” or “Baird”), we wish to thank you for the opportunity to serve as municipal advisor to Glenbard Wastewater Authority, Illinois (“you” or “Client”) with respect to the proposed issuance of approximately \$7 million Revenue Bonds, Series 2023 or 2024 (the “Securities”) to finance facility improvements. Upon your acceptance, this engagement letter (“Agreement”) will establish the mutual terms and conditions under which Baird will provide municipal advisory services to Client in connection with the proposed issuance (the “Financing”), effective on the date this Agreement is executed by Client.

1. Scope of Services.

(a) Municipal Advisory Services to be Provided by Baird. Client hereby engages Baird to serve as municipal advisor with respect to the Financing, and in such capacity Baird agrees to provide advice as to the structure, timing, terms and other matters regarding the Financing, including the following services, if and as requested by Client:

- Evaluate possible options, vehicles and structures or alternatives for the Financing
- Assist Client in establishing the structure, timing, terms and other similar matters concerning the Financing
- Advise Client as to the methods and types of Financing that are available and appropriate to Client
- Assist Client in developing and designing the terms and features of the plan of Financing and prepare the financing schedule
- Provide assistance as to scheduling, coordinating and meeting procedural requirements relating to any required bond referendum, other than through cash or in-kind contributions with respect to such referendum
- Consult and meet with representatives of Client and its agents or consultants with respect to the Financing
- Review recommendations made by other parties to Client with respect to the Financing
- Review financial and other information regarding Client, the proposed Financing and any source of repayment of or security for the Financing
- Consult with and/or advise Client on actual or potential changes in marketplace practices, market conditions, regulatory requirements or other matters that may have an impact on Client and its financing plans
- Advise Client as to strategies for obtaining the Financing, including, if applicable, provide information on the differences between a negotiated underwriting and a competitively bid offering
- Review financial and other information regarding Client and the Financing
- Assist in the preparation and/or review and distribution of documents pertaining to the Financing, including, if applicable, the official statement and/or bid package
- Work with bond counsel and other transaction participants to prepare and/or review necessary authorizing documentation of Client and other documents necessary to finalize and close the Financing
- Respond to questions and requests from bidders, underwriters or potential investors and other possible Financing sources
- If applicable, in a negotiated sale assist in the selection of one or more underwriters for the Financing

- At the time of sale, provide Client with relevant data on comparable issues recently or currently being sold nationally and by comparable clients
- In a negotiated sale, coordinate pre-pricing discussions, supervise the sale process, advise Client on matters relating to retail or other order periods and syndicate priorities, review the order book, advise on the acceptability of the underwriter's pricing and offer to purchase
- Advise Client with respect to recommendations made by the underwriters and other interactions between Client and the underwriters
- Review required underwriter disclosures to Client
- If applicable, arrange and facilitate visits to, and prepare materials for, credit ratings agencies and insurers and other liquidity providers
- Make arrangements for printing, advertising and other vendor services necessary or appropriate in connection with the Financing
- Advise Client with regard to any continuing disclosure undertaking required to be entered into in connection with the Financing, including advising on the selection of a dissemination agent
- Assist Client in selecting legal and other professionals (such as trustee, escrow agent, accountant, feasibility consultant, etc.) to work on the Financing
- Work with bond counsel and other transaction participants to review necessary authorizing documentation of Client and other documents necessary to finalize and close on the Financing
- Prepare a closing memorandum or settlement statement for, and otherwise coordinate or assist with, the closing and delivery of the Financing and transfer of funds
- Such other usual and customary municipal advisory services as may be requested by Client

limitations: (b) Limitations on Scope of Services. The Scope of Services is subject to the following

- i.) The Scope of Services is limited solely to the services described herein and is subject to any limitations set forth within the description of the Scope of Services.
- ii.) Unless otherwise provided in the Scope of Services described herein, Baird is not responsible for preparing any preliminary or final official statement, or for certifying as to the accuracy or completeness of any preliminary or final official statement, other than with respect to any information about Baird provided by Baird for inclusion in such documents.
- iii.) The Scope of Services does not include tax, legal, accounting or engineering advice with respect to the Financing or in connection with any opinion or certificate rendered by counsel or any other person at closing, and does not include review or advice on any feasibility study.
- iv.) Baird will not have the authority to bind, commit or act on behalf of Client in connection with the Financing, or to otherwise act as agent for Client in the Scope of Services provided.
- v.) As municipal advisor, Baird will not be able to provide underwriting or placement agent services to Client in connection with the Financing.

2. Regulatory Duties. Under MSRB Rule G-23, Baird will not be able to serve as underwriter or placement agent for any notes, bonds or other securities to be issued and sold as part of the Financing. Baird is registered as a municipal advisor with the Securities Exchange Commission and Municipal Securities Rulemaking Board. As municipal advisor to Client in connection with the proposed Financing, Baird will have fiduciary duties, including a duty of care and a duty of loyalty. Baird is required to act in Client's best interests without regard to its own financial and other interests.

MSRB Rule G-42 requires that Baird make a reasonable inquiry as to the facts that are relevant to Client's determination whether to proceed with a course of action or that form the basis for the advice provided by Baird to

Client. The rule also requires that Baird undertake a reasonable investigation to determine that it is not basing any recommendation on materially inaccurate or incomplete information. Baird is also required under the rule to use reasonable diligence to know the essential facts about Client and the authority of each person acting on Client's behalf.

Client agrees to cooperate, and to cause its agents to cooperate, with Baird in carrying out these regulatory duties, including providing to Baird accurate and complete information and reasonable access to relevant documents, other information and personnel needed to fulfill such duties. In addition, Client agrees that, to the extent Client seeks to have Baird provide advice with regard to any recommendation made by a third party, Client will provide to Baird written direction to do so as well as any information it has received from such third party relating to its recommendation.

3. Fees and Expenses. For its municipal advisory services, Baird shall be entitled to a fee not-to-exceed 0.35% of the public offering price of the Financing (the "Municipal Advisory Fee") to be negotiated at pricing and paid by Client at closing. The Municipal Advisory Fee shall be paid upon completion of the Financing. While this form of compensation is customary in the municipal securities market, it presents a conflict of interest because it may give Baird an incentive to recommend to Client a Financing that is unnecessary or to recommend that the size of the transaction be larger than is necessary.

Client shall be responsible for paying all costs of issuance, including without limitation, CUSIP, DTC, and IPREO (electronic book-running/sales order system) fees and charges; official statement printing and mailing/distribution charges; bond counsel, disclosure counsel and underwriter's counsel fees; ratings agency fees and expenses and travel expenses directly related thereto; auditor and other expert fees; trustee, registrar and paying agent fees; and all other expenses incident to the performance of Client's obligations under the proposed Financing.

4. Term and Termination. The term of this engagement shall extend from the date of this Agreement to the closing of the Financing. Notwithstanding the foregoing, either party may terminate Baird's engagement at any time without liability of penalty upon at least 30 days' prior written notice to the other party. If Baird's engagement is terminated by Client, Client agrees to compensate Baird for the services provided and to reimburse Baird for its out-of-pocket expenses incurred until the date of termination. Moreover, if within 12 months following such termination Client completes the Financing, Client shall pay Baird the Municipal Advisory Fee.

5. Limitation of Liability. Client agrees that neither Baird nor its employees, officers, agents or affiliates shall have any liability to Client in the absence of willful misconduct, bad faith, gross negligence or reckless disregard of obligations or duties hereunder for any act or omission in the course of, or connected with, rendering services hereunder, or for any error of judgment or mistake of law, or for any loss arising out of any issuance of municipal securities, or for any financial or other damages resulting from Client's election to act or not to act, as the case may be, contrary to any advice or recommendation provided by Baird to Client. No recourse shall be had against Baird for loss, damage, liability, cost or expense (whether direct, indirect or consequential) of Client arising out of or in defending, prosecuting, negotiating or responding to any inquiry, questionnaire, audit, suit, action, or other proceeding brought or received from the Internal Revenue Service in connection with any Financing or otherwise relating to the tax treatment of any Financing, or in connection with any opinion or certificate rendered by counsel or any other party. Notwithstanding the foregoing, nothing contained in this paragraph or elsewhere in this Agreement shall constitute a waiver by Client of any of its legal rights under applicable U.S. federal securities laws or any other laws whose applicability is not permitted to be contractually waived, nor shall it constitute a waiver or diminution of Baird's fiduciary duty to Client under Section 15B(c)(1) of the Securities Exchange Act of 1934, as amended, and the rules thereunder.

6. Required Disclosures. Accompanying this letter is a disclosure document describing the material conflicts of interest and information regarding certain legal events and disciplinary history related to the securities proposed to be sold in the Financing as required by MSRB Rule G-42.

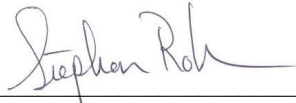
7. Miscellaneous. This Agreement shall be governed and construed in accordance with the laws of the State of Illinois. This Agreement shall be binding upon and inure to the benefit of Client and Baird, their respective successors and permitted assigns; provided however, neither party may assign or transfer any of its rights or obligations hereunder without the prior written consent of the other party. This Agreement contains the entire agreement between the parties relating to the rights granted herein and obligations assumed herein. This Agreement and the Scope of Services provided hereunder may not be amended, supplemented or modified except by means of a written instrument executed by both parties hereto. This Agreement may be executed in counterparts, each of which shall be an original, but which taken together, shall constitute one and the same instrument.

If there is any aspect of this Agreement that you believe requires further clarification, please do not hesitate to contact us. If the foregoing is consistent with your understanding of our engagement, please sign and return the enclosed copy of this Agreement. The undersigned represents and warrants that (s)he has full legal authority to execute this Agreement on behalf of Client.

Again, we thank you for the opportunity to assist you with the Financing and the confidence you have placed in us.

Very truly yours,

**ROBERT W. BAIRD & CO. INCORPORATED**

By:   
Stephan Roberts, Director

Accepted this \_\_\_\_\_ day of \_\_\_\_\_, 2023

**GLENBARD WASTEWATER AUTHORITY, ILLINOIS**

By: \_\_\_\_\_

Title: \_\_\_\_\_



## DISCLOSURES BY MUNICIPAL ADVISOR PURSUANT TO MSRB RULE G-42

On behalf of Robert W. Baird & Co. Incorporated, we wish to provide you with certain disclosures relating to the Securities, as required by Municipal Securities Rulemaking Board ("MSRB") Rule G-42 as set forth in MSRB Notice 2016-03. All capitalized terms not otherwise defined herein shall have the meanings assigned to them in the Municipal Advisory Services Agreement (the "Agreement").

I. **Services to be Provided by Baird.** Baird is delighted to be serving as municipal advisor to you, in connection with the Securities. Baird is a municipal advisor registered with the Securities and Exchange Commission and the MSRB.

II. **Required Disclosures.** MSRB Rule G-42 requires that Baird provide you with the following disclosures of material conflicts of interest and of information regarding certain legal events and disciplinary history.

**Disclosures of Conflicts of Interest.** MSRB Rule G-42 requires that municipal advisors provide to their clients disclosures relating to any actual or potential material conflicts of interest, including certain categories of potential conflicts of interest identified in Rule G-42, if applicable. If no such material conflicts of interest are known to exist based on the exercise of reasonable diligence by the municipal advisor, municipal advisors are required to provide a written statement to that effect.

Accordingly, Baird makes the following disclosures with respect to material conflicts of interest in connection with the Services under the Agreement, together with explanations of how Baird addresses or intends to manage or mitigate each conflict. To that end, with respect to all of the conflicts disclosed below in this Municipal Advisor Disclosure Statement, Baird mitigates such conflicts through its adherence to its fiduciary duty to Client, which includes a duty of loyalty to Client in performing all municipal advisory activities for Client. This duty of loyalty obligates Baird to deal honestly and with the utmost good faith with Client and to act in Client's best interests without regard to Baird's financial or other interests. In addition, because Baird is a broker-dealer with significant capital due to the nature of its overall business, the success and profitability of Baird is not dependent on maximizing short-term revenue generated from individualized recommendations to its clients but instead is dependent on long-term profitability built on a foundation of integrity, quality of service and strict adherence to its fiduciary duty. Furthermore, Baird's municipal advisory supervisory structure, leveraging our long-standing and comprehensive broker-dealer supervisory processes and practices, provides reasonable and industry standard safeguards against individual representatives of Baird potentially departing from their regulatory duties due to personal interests. The disclosures below describe, as applicable, any additional mitigations that may be relevant with respect to any specific conflict disclosed below.

Baird is a full-service securities firm and as such Baird and its affiliates may from time to time provide advisory, brokerage, consulting and other services and products to its clients, including municipalities, other institutions, and individuals and the Client, certain Client officials or employees, and potential purchasers of the Securities for which Baird may receive customary compensation; however, such services are not related to the proposed offering. Such services may also include the buying and selling of new issue and outstanding securities and providing investment advice in connection with securities (including the Securities), may be undertaken on behalf of, or as counterparty to, Client, personnel of Client, and current or potential investors in the securities of Client. Baird may also be engaged from time to time by the Client to manage investments for the Client (including the proceeds from the proposed offering) through a separate contract that sets forth the fees to be paid to Baird. Baird manages various mutual funds, and from time to time those funds may own bonds and other securities issued by or for the benefit of Client (including the Securities). Additionally, clients of Baird may from time to time purchase, hold and sell bonds and other securities issued by or for the benefit of the Client (including the Securities). These other clients may, from time to time and depending on the specific circumstances, have interests in conflict with those of Client, such as when their buying or selling of Client's securities may have an adverse effect on the market for Client's securities, and the interests of such other clients could create the incentive for Baird to make recommendations to Client that could result in more advantageous pricing for the other clients. Furthermore, any potential conflict arising from Baird effecting or otherwise assisting such other clients in connection with such transactions is mitigated by means of such activities being engaged in on customary terms through departments of Baird that operate independently from Baird's municipal advisory business, thereby reducing the likelihood that the interests of such other clients would have an impact on the services provided by Baird to Client under this Agreement.

In the ordinary course of fixed income trading business, Baird may purchase, sell, or hold a broad array of investments and may actively trade securities and other financial instruments, including the Securities and other municipal bonds, for its own account and for the accounts of customers, with respect to which Baird may receive a mark-up or mark-down, commission or other remuneration, and therefore Baird could have interests in conflict with those of Client with respect to the value of Client's Securities while held in inventory. Such investment and trading activities may involve or relate to the financing or other assets, securities and/or instruments of the Client and/or persons and entities with relationships with the Client. In particular, Baird or its affiliates may submit orders for and acquire Client's securities issued in an Offering under the Agreement from members of the underwriting syndicate, either for its own account or for the accounts of its customers. This activity may result in a conflict of interest with Client in that it could create the incentive for Baird to make recommendations to Client that could result in more advantageous pricing of Client's bond in the marketplace. Any such conflict is mitigated by means of such activities being engaged in on customary terms through departments of Baird that operate independently from Baird's municipal advisory business, thereby reducing the likelihood that such investment activities would have an impact on the services provided by Baird to Client under the Agreement.

Baird serves a wide variety of other clients that may from time to time have interests that could have a direct or indirect impact on the interests of Client. For example, Baird serves as municipal advisor to other municipal advisory clients and, in such cases, owes a regulatory duty to such other clients just as it does to Client under the Agreement. These other clients may, from time to time and depending on the specific circumstances, have competing interests, such as accessing the new issue market with the most advantageous timing and with limited competition at the time of the offering. In acting in the interests of its various clients, Baird could potentially face a conflict of interest arising from these competing client interests. In other cases, as a broker-dealer that engages in underwritings of new issuances of municipal securities by other municipal entities, the interests of Baird to achieve a successful and profitable underwriting for its municipal entity underwriting clients could potentially constitute a conflict of interest if, as in the example above, the municipal entities that Baird serves as underwriter or municipal advisor have competing interests in seeking to access the new issue market with the most advantageous timing and with limited competition at the time of the offering. None of these other engagements or relationships would impair Baird's ability to fulfill its regulatory duties to Client.

Baird is registered with the Municipal Securities Rulemaking Board ("MSRB") and the SEC. The MSRB website is [www.msrb.org](http://www.msrb.org). Two investor brochures, Information for Municipal Securities Investors and Information for Municipal Advisory Clients, describe the protections that may be provided by the MSRB's rules. The brochures are available on the MSRB website. The MSRB website also contains information about how to file a complaint with an appropriate regulatory authority.

While we do not believe that the following creates a conflict of interest on Baird's part, we note that spouses or other relatives of Baird Associates may serve as an officer, employee or official of Client. Client may wish to consider any impact such circumstances may have on how it conducts its activities with Baird under this Agreement.

Baird associates, including Baird Public Finance associates, may have made or may make political contributions to elected officials and/or candidates for office, including officials of the Client in compliance with MSRB Rule G-37 and Baird's internal policies and pre-clearance requirements.

Baird has not identified any additional potential or actual material conflicts that require disclosure other than those we may have previously provided you. If potential or actual conflicts arise in the future, we will provide you with supplemental disclosures about them.

**Disclosures of Information Regarding Legal Events and Disciplinary History.** MSRB Rule G-42 requires that municipal advisors provide to their clients certain disclosures of legal or disciplinary events material to its client's evaluation of the municipal advisor or the integrity of the municipal advisor's management or advisory personnel.

Accordingly, Baird sets out below required disclosures and related information in connection with such disclosures. Baird discloses the following legal or disciplinary events that may be material to Client's evaluation of Baird or the integrity of Baird's management or advisory personnel:

- In December 2021, Baird, without admitting or denying the findings, consented to the sanctions and findings of New York Stock Exchange LLC (the “NYSE”) that, on June 11, 2018 Baird received orders from an institutional customer to buy an equity security and routed those orders to different NYSE floor broker firms, in violation of NYSE Rule 122, which prohibits firms from sending to more than one floor broker orders at the same price for the purchase or sale of the same security with knowledge that such orders are for the account of the same customer. In connection with its violation, Baird failed to establish and maintain a supervisory system and written supervisory procedures reasonably designed to achieve compliance with NYSE Rule 122. This matter relates to Baird’s Institutional Equity Trading department and does not involve or pertain in any way to Baird’s Public Finance business or municipal advisory activities or services. The details of this matter are available in item 11.E (2) and the accompanying Regulatory Action DRP on Baird’s Form ADV available at <http://www.adviserinfo.sec.gov>.
- In June 2019, Baird, without admitting or denying the findings, consented to the sanctions and findings of FINRA that, between April and July 2013, Baird published equity research reports about an issuer without disclosing that the research analyst who authored the reports was engaged in employment discussions with the issuer that constituted an actual, material conflict of interest and that the failure to disclose the research analyst’s employment discussions with the issuer in the research reports made those reports misleading. In response, Baird took proactive measures to reiterate compliance policies pertain to disclosures about material conflicts of interest in research reports. This matter relates to Baird’s Equity Research department and does not involve or pertain in any way to Baird’s Public Finance business or municipal advisory activities or services. The details of this matter are available in item 11.E (2) and the accompanying Regulatory Action DRP on Baird’s Form ADV available at <http://www.adviserinfo.sec.gov>.
- In March 2019, Baird, without admitting or denying the findings, consented to an order of the SEC, which found that it violated Sections 206(2) and 207 of the Investment Advisers Act of 1940 (the “Advisers Act”) for making inadequate disclosures to advisory clients about mutual fund share classes. The order was part of a voluntary self-reporting program initiated by the SEC called the “Share Class Selection Disclosure (or SCSD) Initiative.” Under the program, investment advisory firms were offered the opportunity to voluntarily self-report violations of the federal securities laws relating to mutual fund share class selection and related disclosure issues and agree to settlement terms imposed by the SEC, including returning money to affected investment advisory clients. The central issue identified by the SEC was that, in many cases, investment advisory firms bought for or recommended to their investment advisory clients mutual fund share classes that had distribution or service fees (commonly known as 12b-1 fees) paid out of fund assets to the firms when lower cost share classes were available to those advisory clients, and the investment advisory firms did not adequately disclose their receipt of 12b-1 fees and/or the conflict of interest associated with those 12b-1 paying share classes. Baird and many other firms self-reported under the program and entered into substantially identical orders. By self-reporting and consenting to the order, Baird agreed to a censure and to cease and desist from committing or causing any violations and future violations of Sections 206(2) and 207 of the Advisers Act. Baird also agreed to establish a distribution fund and to deposit into that fund the improperly disclosed 12b-1 fees received by Baird plus prejudgment interest, which will be paid to affected advisory clients. In response, Baird has made changes to its Private Wealth Management advisory programs in which mutual funds available in those programs do not include share classes that pay 12b-1 fees, and the share classes that are available to clients in those programs are generally those that are the lowest cost share classes most widely available by each mutual fund family across its various funds to most types of eligible investors. This matter relates primarily to Baird’s Private Wealth Management department and does not involve or pertain in any way to Baird’s Public Finance business or municipal advisory activities or services. The details of this matter are available in item 11.E (2) and the accompanying Regulatory Action DRP on Baird’s Form ADV available at <http://www.adviserinfo.sec.gov>.
- Baird was among numerous municipal securities underwriters and municipal issuers that voluntarily participated in the Municipal Continuing Disclosure Cooperation Initiative (MCDC) facilitated by the Securities and Exchange Commission (SEC) in March 2014. Under the MCDC, underwriters and issuers were requested to submit reports to the SEC identifying municipal securities offerings for which the official statement did not accurately describe prior instances of the issuer’s material non-compliance with its continuing disclosure requirements required by SEC Rule 15c2-12. By voluntarily participating in the MCDC, Baird and other underwriters and issuers agreed to accept standardized settlement terms. In June

2015, the SEC issued Orders to 36 participating municipal underwriters, including Baird, setting forth the agreed upon settlement terms. Subsequently, the SEC issued similar Orders to additional participating underwriters. Each Order, including the one applicable to Baird, contains a finding, which the underwriter neither admits nor denies, that Baird did not conduct adequate due diligence to ensure that the issuers' representations in the official statements about their past compliance with continuing disclosures were accurate and therefore violated Section 17(a)(2) of the Securities Act of 1933. Each Order requires the underwriter to cease and desist from committing or causing any violations or future violations of Section 17(a)(2), to pay a civil monetary penalty (which, in Baird's case, is \$500,000), to retain an independent consultant to review Baird's municipal underwriting due diligence policies and procedures, and to adopt the consultant's final recommendations for changes in or improvements to those policies and procedures. The details of this matter are available in item 11.C (2), 11.C (4) and 11.C (5) and the accompanying Regulatory Action DRP on Baird's Form ADV available at <http://www.adviserinfo.sec.gov>.

- In September 2016, Baird, without admitting or denying the findings, consented to the sanctions and findings of the SEC that Baird violated Section 206(4) of the Advisers Act and Rule 206(4)-7 thereunder by failing to adopt and implement adequate policies and procedures to track and disclose trading away practices by certain of the subadvisors participating in Baird's wrap fee programs offered through its Private Wealth Management department. Through these programs, Baird's advisory clients pay an annual fee in exchange for receiving access to select subadvisors and trading strategies, advice from Baird's financial advisors, and trade execution services through Baird at no additional cost. However, if a subadvisor chooses not to direct the execution of particular equity trades through Baird in order to fulfill its best execution obligation and the executing broker charges a commission or fee, Baird's advisory clients often are charged additional commissions or fees for those transactions, which is often embedded in the price paid or received for the security. This practice is referred to as "trading away" and these types of trades are frequently called "trade aways." Baird was found to have failed to adopt or implement policies and procedures designed to provide specific information to Baird's clients and financial advisors about the costs of trading away. Baird agreed to provide additional disclosure to clients and review and, as necessary, update its policies and procedures. This matter relates to Baird's Private Wealth Management department and does not involve or pertain in any way to Baird's Public Finance business or municipal advisory activities or services. The details of this matter are available in item 11.E (2) and the accompanying Regulatory Action DRP on Baird's Form ADV available at <http://www.adviserinfo.sec.gov>.
- In August 2013, Baird was involved in a regulatory matter with respect to Municipal Securities Rulemaking Board (MSRB) Rule G-14 involving trade reporting of municipal bond transactions executed by Baird for internal money managers on behalf of their clients. Baird reported the transactions on a bunched order quantity basis instead of individually by amount of allocation. Baird has since reviewed its municipal bond trade reporting methodology in this context and has revised its processes to more clearly reflect the requirements of the rule interpretations. The details of this matter are available in item 11.E (2) and the accompanying Regulatory Action DRP on Baird's Form ADV available at <http://www.adviserinfo.sec.gov>.
- In June 2013, Baird was involved in a regulatory matter involving a small number of transactions in comparison to Baird's total fixed income trading volume with respect to the purchase of municipal securities for its own account from customers and/or sold municipal securities for its own account to customers that was allegedly not fair and reasonable, taken into account all relevant factors related to MSRB Rules G-17 and G-30(A). Baird has taken steps to address this matter, including improving its systems to better monitor and document Baird's compliance with its best execution obligations; providing additional training to Baird's fixed income traders on their obligations to document the prices, quotations or indications received from counterparties to reflect for firm records the pricing in markets at the time of each transaction; and providing additional training to traders on their best execution obligations. The details of this matter are available in item 11.E (2) and the accompanying Regulatory Action DRP on Baird's Form ADV available at <http://www.adviserinfo.sec.gov>.
- In November 2011, Baird was involved in a regulatory matter involving late submissions to the MSRB and the Electronic Municipal Market Access (EMMA). In response, all personnel in the municipal underwriting and public finance departments responsible for the filings attended additional MSRB training on primary market and advance refunding MSRB G-32 submissions, and Baird has amended its MSRB G-32 procedures

by publishing additional guidance to appropriate personnel and installing new mechanisms to monitor the required filing and closing dates. The details of this matter are available in item 11.E (2) and the accompanying Regulatory Action DRP on Baird's Form ADV available at <http://www.adviserinfo.sec.gov>.

- The SEC permits certain items of information required on Form MA or MA-I to be provided by reference to such required information already filed by Baird in its capacity as a broker-dealer on Form BD or Form U4 or as an investment adviser on Form ADV, as applicable. If any of the above DRPs provides that a DRP has been filed on Form ADV, BD, or U4 for the applicable event, information provided by Baird on Form BD or Form U4 is publicly accessible through reports generated by BrokerCheck at [brokercheck.finra.org](http://brokercheck.finra.org), and Baird's most recent Form ADV is publicly accessible at the Investment Adviser Public Disclosure website at <http://www.adviserinfo.sec.gov>. For purposes of accessing such BrokerCheck reports or Form ADV, Baird's CRD number is 8158.

**How to Access Form MA and Form MA-I Filings.** Baird's most recent Form MA and each most recent Form MA-I filed with the SEC are available on the SEC's EDGAR system at <https://www.sec.gov/cgi-bin/browse-edgar?CIK=0000009211>. Information regarding legal or disciplinary events can be found in Item 9 of the Form MA and Item 6 of the Form MA-I.

**Most Recent Change in Legal or Disciplinary Event Disclosure.** The date of the last material change to a legal or disciplinary event disclosure on any Form MA or Form MA-I filed by Baird with the SEC is January 12, 2022, which change consists of the NYSE Rule 122 violation described above in the annual filing.

**Future Supplemental Disclosures.** Baird has not identified any additional legal and disciplinary events that require disclosure. If material events arise in the future, we will provide you with supplemental disclosures about them.

If there is any aspect of the foregoing disclosures that requires further clarification, please do not hesitate to contact us. In addition, please consult your own financial and/or municipal, legal, accounting, tax and other advisors as you deem appropriate.

# **SECTION 8**

## **BOND RESOLUTION**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

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

**DATE:** October 12, 2023

**RE:** **Bond Resolution**

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As discussed at a previous Executive Oversight Committee, the Authority will be seeking a bond to finance the Primary Clarifier and Gravity Thickener Improvement Project that is expected to take place in 2024.

In order to proceed with the bond issuance, per Section 3.2(d)(1) of the Intergovernmental Cooperation Act requires approval by a majority of the Authority's Full Board in order to issue revenue bonds.

Enclosed with this memo is the proposed bond resolution that will be brought forth to the November 13, 2023 Glenbard Wastewater Authority Full Board Meeting. The resolution was prepared by the Authority's bond council, Chapman and Cutler, and is in accordance with all laws and regulations.

No approval from the Executive Oversight Committee is being requested at this time, as the only requirement is for the Full Board approval, therefore, this item is only brought forward for discussion and information sharing purposes.

MINUTES of a regular public meeting of the Board of Directors of the Glenbard Wastewater Authority held at 535 Duane Street, Glen Ellyn, Illinois, at 6:00 o'clock P.M., on the 13th day of November, 2023.

\* \* \*

Keith Giagnorio, as the presiding officer of the Board of Directors, called the meeting to order and directed the Executive Assistant of the Authority to call the roll.

Upon the roll being called, Keith Giagnorio, and the following Directors were physically present at said location: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The following Directors were allowed by a majority of the members of the Board of Directors in accordance with and to the extent allowed by rules adopted by the Board of Directors to attend the meeting by video or audio conference: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

No Director was not permitted to attend the meeting by video or audio conference.

The following Directors were absent and did not participate in the meeting in any manner or to any extent whatsoever: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The Executive Director announced that the next agenda item concerned the proposed issuance of revenue bonds by the Authority to pay the costs of improving the wastewater treatment facilities of the Authority, and that the Board of Directors would next consider the adoption of a resolution providing for the issue of said bonds and the pledge of Authority revenues to the



payment of principal and interest on said bonds. The Executive Director then explained that the resolution sets forth the parameters for the issuance of said bonds and sale thereof by designated officials of the Authority and also summarized the pertinent terms of said parameters, including the length of maturity, rates of interest and purchase price for said bonds.

Whereupon the Executive Director read by title a resolution as follows, a copy of which was provided to each Director prior to said meeting and to everyone in attendance at said meeting who requested a copy:

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**RESOLUTION NUMBER 004-2023**

RESOLUTION authorizing and providing for the issuance of not to exceed \$7,000,000 Wastewater Treatment Facility Revenue Bonds, Series 2023, of the Glenbard Wastewater Authority for the purpose of paying the costs of improving the wastewater treatment facilities of said Authority, prescribing the details of said bonds and providing for collection, segregation, and application of the revenues of said Authority, and authorizing the sale of said bonds to the purchaser thereof.

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Passed by the Board of Directors of the  
Authority on the 13th day of November,  
2023.

## **RESOLUTION NUMBER 004-2023**

RESOLUTION authorizing and providing for the issuance of not to exceed \$7,000,000 Wastewater Treatment Facility Revenue Bonds, Series 2023, of the Glenbard Wastewater Authority for the purpose of paying the costs of improving the wastewater treatment facilities of said Authority, prescribing the details of said bonds and providing for collection, segregation, and application of the revenues of said Authority, and authorizing the sale of said bonds to the purchaser thereof.

WHEREAS, the Glenbard Wastewater Authority (the “*Authority*”) is a municipal joint action agency, duly organized and operating under the provisions of the Intergovernmental Cooperation Act, as amended, and in particular Section 3.2 thereof, and as supplemented and amended by the Local Government Debt Reform Act, as amended, and by the other Omnibus Bond Acts, as amended (collectively, the “*Act*”); and

WHEREAS, to provide for the joint and cooperative establishment and operation of a wastewater treatment system under and pursuant to the Act, the Authority was organized, and now operates, under that certain intergovernmental agreement, amended and restated as of May 22, 2023 (the “*Agreement*”), by and between the Village of Lombard, DuPage County, Illinois, and the Village of Glen Ellyn, DuPage County, Illinois (each, a “*Member*” and together, the “*Members*”); and

WHEREAS, the Authority owns and operates a wastewater treatment plant located in the Village of Glen Ellyn, DuPage County, Illinois, and certain designated lines, connectors and equipment (including all property, real, personal or mixed, owned or to be owned by the Authority or under the control of the Authority, and used for wastewater treatment purposes, but excluding the sewerage collections systems of the Members, the “*Facility*”); and

WHEREAS, the Board of Directors of the Authority (the “*Board*”) has determined that it is advisable, necessary and in the best interests of Authority and the Members that the Authority

construct certain improvements to the Facility, namely, the Primary Clarifier and Gravity Thickener Improvements Project (the “*Project*”); and

WHEREAS, the Board has further determined that there are insufficient funds on hand and lawfully available to pay the costs of the Project, which are estimated to be not less than \$7,000,000, and that, in order to pay the same, it is advisable, necessary and in the best interests of the Authority and the Members that the Authority issue bonds in an amount not to exceed \$7,000,000 (as hereinafter more fully defined, the “*Bonds*”) payable from the Revenues (as hereinafter defined); and

WHEREAS, the Bonds will be payable from the Revenues on a parity with the Authority’s outstanding Illinois Environmental Protection Agency Loans (L17-5770, L17-5180 and L17-2874) (together, the “*IEPA Loans*”), there being no other bonds, notes or other obligations of the Authority secured by a lien on the Revenues; and

WHEREAS, the IEPA Loans permit the issue of obligations payable from the Revenues on a parity with the IEPA Loans; and

WHEREAS, pursuant to and in accordance with the provisions of the Act, the Authority is authorized to issue the Bonds in the aggregate principal amount of not to exceed \$7,000,000 for the purpose of paying the costs of the Project:

NOW, THEREFORE, Be It Resolved by the Board of Directors of the Glenbard Wastewater Authority, a municipal joint action agency and body politic and corporate of the State of Illinois, as follows:

*Section 1. Definitions.* Words and terms used in this Resolution shall have the meanings given them, unless the context or use clearly indicates another or different meaning is intended. Words and terms defined in the singular may be used in the plural and vice-versa. Reference to

any gender shall be deemed to include the other and also inanimate persons such as corporations, where applicable.

A. The following words and terms are as defined in the preambles hereto.

Act  
Agreement  
Authority  
Board  
Facility  
IEPA Loans  
Member  
Members  
Project

B. The following words and terms are defined as set forth.

*“Additional Bonds”* means any bonds to be issued in the future which are payable from the Revenues on a parity with and sharing ratably and equally with the Bonds or on a subordinated lien basis to the Bonds, as provided in the proceedings by which such bonds may be authorized. Additional Bonds shall bear interest at a fixed interest rate or rates.

*“Bond Notification”* means the notification of sale authorized in Section 9 hereof.

*“Bond Register”* means the books of the Authority kept by the Bond Registrar to evidence the registration and transfer of the Bonds.

*“Bond Registrar”* means the bond registrar and paying agent for the Bonds, the same being either the Purchaser, the Executive Director or a bank or trust company authorized to do business in the State of Illinois as set forth in the Bond Notification.

*“Bonds”* means the revenue bonds as described in Section 4 hereof.

*“Code”* means the Internal Revenue Code of 1986, as amended.

*“Current Debt Service Requirement”* means, for any Fiscal Year, the sum of the amounts as follows: (a) interest on Outstanding IEPA Loans, Bonds and Additional Bonds to be provided from Revenues in such year, and (b) principal of Outstanding IEPA Loans, Bonds and Additional

Bonds to be provided from Revenues in such year; *provided* that the phrase “in such year” includes January 1 of the next succeeding year and excludes January 1 of that year and *further provided* that the phrase “to be provided from Revenues” excludes all obligations payable but (i) already provided for by the setting aside of funds (such as capitalized interest from bond proceeds) for such purpose or (ii) declared by resolution of the Authority to be provided for from other sources, such as refunding bonds, and not in default.

“*Defeasance Obligations*” means (i) Government Obligations, (ii) certificates of participation in a trust comprised solely of Government Obligations, and (iii) obligations the timely payment of all principal and interest of which, to maturity, is fully and unconditionally guaranteed as a direct obligation of the United States Treasury.

“*Designated Officials*” means the presiding officer of the Executive Oversight Committee of the Authority and the Executive Director.

“*Equipment Replacement Sub-Fund*” means the Authority’s existing Equipment Replacement Sub-Fund, which is continued hereunder.

“*Executive Director*” means the Executive Director of the Authority.

“*Fiscal Year*” means the twelve month period beginning on the first day of January and ending on the last day of December following.

“*Government Obligations*” means the non-callable direct obligations of or non-callable obligations guaranteed by the full faith and credit of the United States of America as to principal and interest.

“*Operating Sub-Fund*” means the Authority’s existing Operating Sub-Fund, which is continued hereunder.

“*Operation and Maintenance Costs*” means all costs of operating, maintaining and making routine repairs to the Facility, including wages, salaries, administrative costs of the Authority and

other charges, such as overhead, and costs of materials and supplies, taxes, power, fuel, insurance; but excluding debt service, depreciation or any reserve requirements; and otherwise determined in accordance with generally accepted accounting principles for municipal enterprise funds.

*“Outstanding”* when used with reference to the IEPA Loans, Bonds or Additional Bonds means any of those obligations which are outstanding and unpaid; *provided, however*, such term shall not include any one or more of such obligations (i) which have matured and for which moneys are on deposit with proper paying agents or are otherwise sufficiently available to pay all principal thereof and interest thereon or (ii) the provision for payment of which has been made by the Authority by the deposit in an irrevocable trust or escrow of funds or noncallable Defeasance Obligations, the principal of and interest on which will be sufficient to pay at maturity or as called for redemption all the principal of and interest on such obligations; and, *provided, however, further*, that the Additional Bonds will also be deemed no longer “Outstanding” if such bonds are no longer outstanding pursuant to the terms and provisions of such bonds as set forth in the proceedings of the Board by which the same are authorized to be issued.

*“Purchaser”* means \_\_\_\_\_.

*“Record Date”* means the 15th day of the month next preceding any regular interest payment date and 15 days next preceding any interest payment date occasioned by the redemption of Bonds.

*“Revenues”* means revenues received by the Authority from the Members pursuant to and in accordance with the Agreement, revenues derived from the operation of the Facility and investment earnings.

C. Certain further words and terms used in particular sections are defined below.

*Section 2. Incorporation of Preambles.* The Board hereby finds that the recitals contained in the preambles to this Resolution are true, correct and complete and does hereby incorporate them into this Resolution by this reference.

*Section 3. Determination to Issue Bonds; Useful Life.* It is advisable, necessary and in the best interests of the Authority for the Authority to construct the Project and to issue the Bonds to enable the Authority to pay the costs thereof. The useful life of the Facility is hereby determined to be not less than 25 years from the date hereof.

*Section 4. Bond Details.* For the purpose of paying the costs of the Project, there shall be issued and sold the Bonds in the aggregate principal amount of not to exceed \$7,000,000. The Bonds shall be dated the date of the issuance thereof (the “*Dated Date*”), shall be designated “Wastewater Treatment Facility Revenue Bonds, Series 2023,” or with such other designation and description as necessary to accurately describe the Bonds and set forth in the Bond Notification, and each Bond shall also bear the date of authentication thereof. The Bonds shall be in fully registered form, shall be in denominations of \$5,000 or integral multiples thereof (but no single Bond shall represent principal maturing on more than one date), or such other denominations as may be set forth in the Bond Notification, and shall be numbered consecutively in such fashion as shall be determined by the Bond Registrar. The Bonds shall become due and payable serially on January 1 of the years (not later than 2045), in the amounts (not exceeding \$900,000 per year) and bear interest at the rates per annum (not exceeding 6.0% per annum) as set forth in the Bond Notification.

Each Bond shall bear interest from the later of the Dated Date as herein provided or from the most recent interest payment date to which interest has been paid or duly provided for until the principal amount of such Bond is paid or duly provided for, such interest (computed upon the basis of a 360-day year of twelve 30-day months), being payable on January 1 and July 1 of each year,



commencing with the first interest payment date as set forth in the Bond Notification. Interest on each Bond shall be paid by check or draft of the Bond Registrar, payable upon presentation in lawful money of the United States of America, to the person in whose name such Bond is registered at the close of business on the Record Date. The principal of the Bonds shall be payable in lawful money of the United States of America at the principal corporate trust office of the Bond Registrar.

The Bonds shall be executed on behalf of the Authority with the manual or facsimile signature of the Executive Director. In case an officer whose signature shall appear on any Bond shall cease to be such officer before the delivery of such Bond, such signature shall nevertheless be valid and sufficient for all purposes, the same as if such officer had remained in office until delivery.

All Bonds shall have thereon a certificate of authentication substantially in the form hereinafter set forth duly executed by the Bond Registrar, as authenticating agent of the Authority for the Bonds and showing the date of authentication. No Bond shall be valid or obligatory for any purpose or be entitled to any security or benefit under this Resolution unless and until such certificate of authentication shall have been duly executed by the Bond Registrar by manual signature, and such certificate of authentication upon any such Bond shall be conclusive evidence that such Bond has been authenticated and delivered under this Resolution. The certificate of authentication on any Bond shall be deemed to have been executed by the Bond Registrar if signed by an authorized officer of the Bond Registrar, but it shall not be necessary that the same officer sign the certificate of authentication on all of the Bonds issued hereunder.

*Section 5. Registration of Bonds; Persons Treated as Owners. (a) General.* The Authority shall cause the Bond Register to be kept at the principal corporate trust office of the Bond Registrar, which is hereby constituted and appointed the registrar of the Authority for the

Bonds. The Authority is authorized to prepare, and the Bond Registrar shall keep custody of, multiple Bond blanks executed by the Authority for use in the transfer and exchange of Bonds.

Upon surrender for transfer of any Bond at the principal corporate trust office of the Bond Registrar, duly endorsed by, or accompanied by a written instrument or instruments of transfer in form satisfactory to the Bond Registrar and duly executed by, the registered owner or his or her attorney duly authorized in writing, the Authority shall execute and the Bond Registrar shall authenticate, date and deliver in the name of the transferee or transferees a new fully registered Bond or Bonds of the same maturity of authorized denominations, for a like aggregate principal amount. Any fully registered Bond or Bonds may be exchanged at said office of the Bond Registrar for a like aggregate principal amount of Bond or Bonds of the same maturity of other authorized denominations. The execution by the Authority of any fully registered Bond shall constitute full and due authorization of such Bond and the Bond Registrar shall thereby be authorized to authenticate, date and deliver such Bond, *provided, however*, the principal amount of Outstanding Bonds of each maturity authenticated by the Bond Registrar shall not exceed the authorized principal amount of Bonds for such maturity less previous retirements.

The Bond Registrar shall not be required to transfer or exchange any Bond during the period beginning at the close of business on the Record Date for any interest payment date for such Bond and ending at the opening of business on such interest payment date, nor to transfer or exchange any Bond after notice calling such Bond for redemption has been mailed, nor during a period of fifteen (15) days next preceding mailing of a notice of redemption of any Bonds.

The person in whose name any Bond shall be registered shall be deemed and regarded as the absolute owner thereof for all purposes, and payment of the principal of or interest on any Bond shall be made only to or upon the order of the registered owner thereof or his or her legal

representative. All such payments shall be valid and effectual to satisfy and discharge the liability upon such Bond to the extent of the sum or sums so paid.

No service charge shall be made for any transfer or exchange of Bonds, but the Authority or the Bond Registrar may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any transfer or exchange of Bonds, except in the case of the issuance of a Bond or Bonds for the unredeemed portion of a Bond surrendered for redemption.

(b) *Global Book-Entry System.* The Bonds shall be initially issued in the form of a separate single fully registered Bond for each of the maturities of the Bonds determined as described in Section 4 hereof. If so requested by the Purchaser, upon initial issuance, the ownership of each such Bond shall be registered in the Bond Register in the name of Cede & Co., or any successor thereto ("*Cede*"), as nominee of The Depository Trust Company, New York, New York, and its successors and assigns ("*DTC*"). All of the Outstanding Bonds shall be registered in the Bond Register in the name of Cede, as nominee of DTC, except as hereinafter provided. The Executive Director is authorized to execute and deliver, on behalf of the Authority, such letters to or agreements with DTC as shall be necessary to effectuate such book-entry system (any such letter or agreement being referred to herein as the "*Representation Letter*"), which Representation Letter may provide for the payment of principal of or interest on the Bonds by wire transfer.

With respect to Bonds registered in the Bond Register in the name of Cede, as nominee of DTC, the Authority and the Bond Registrar shall have no responsibility or obligation to any broker-dealer, bank or other financial institution for which DTC holds Bonds from time to time as securities depository (each such broker-dealer, bank or other financial institution being referred to herein as a "*DTC Participant*") or to any person on behalf of whom such a DTC Participant holds

an interest in the Bonds. Without limiting the immediately preceding sentence, the Authority and the Bond Registrar shall have no responsibility or obligation with respect to (i) the accuracy of the records of DTC, Cede or any DTC Participant with respect to any ownership interest in the Bonds, (ii) the delivery to any DTC Participant or any other person, other than a registered owner of a Bond as shown in the Bond Register, of any notice with respect to the Bonds, including any notice of redemption, or (iii) the payment to any DTC Participant or any other person, other than a registered owner of a Bond as shown in the Bond Register, of any amount with respect to the principal of or interest on the Bonds. The Authority and the Bond Registrar may treat and consider the person in whose name each Bond is registered in the Bond Register as the holder and absolute owner of such Bond for the purpose of payment of principal and interest with respect to such Bond, for the purpose of giving notices of redemption and other matters with respect to such Bond, for the purpose of registering transfers with respect to such Bond, and for all other purposes whatsoever. The Bond Registrar shall pay all principal of and interest on the Bonds only to or upon the order of the respective registered owners of the Bonds, as shown in the Bond Register, or their respective attorneys duly authorized in writing, and all such payments shall be valid and effective to fully satisfy and discharge the Authority's obligations with respect to payment of the principal of and interest on the Bonds to the extent of the sum or sums so paid. No person other than a registered owner of a Bond as shown in the Bond Register, shall receive a Bond evidencing the obligation of the Authority to make payments of principal and interest with respect to any Bond. Upon delivery by DTC to the Bond Registrar of written notice to the effect that DTC has determined to substitute a new nominee in place of Cede, and subject to the provisions in Section 4 hereof with respect to the payment of interest to the registered owners of Bonds at the close of business on the Record Date for the applicable interest payment date, the name "Cede" in this Resolution shall refer to such new nominee of DTC.

In the event that (i) the Authority determines that DTC is incapable of discharging its responsibilities described herein and in the Representation Letter, (ii) the agreement among the Authority, the Bond Registrar and DTC evidenced by the Representation Letter shall be terminated for any reason or (iii) the Authority determines that it is in the best interests of the beneficial owners of the Bonds that they be able to obtain certificated Bonds, the Authority shall notify DTC and DTC Participants of the availability through DTC of certificated Bonds and the Bonds shall no longer be restricted to being registered in the Bond Register in the name of Cede, as nominee of DTC. At that time, the Authority may determine that the Bonds shall be registered in the name of and deposited with such other depository operating a universal book-entry system, as may be acceptable to the Authority, or such depository's agent or designee, and if the Authority does not select such alternate universal book-entry system, then the Bonds may be registered in whatever name or names registered owners of Bonds transferring or exchanging Bonds shall designate, in accordance with the provisions of Section 5(a) hereof.

Notwithstanding any other provisions of this Resolution to the contrary, so long as any Bond is registered in the name of Cede, as nominee of DTC, all payments with respect to principal of and interest on such Bond and all notices with respect to such Bond shall be made and given, respectively, in the name provided in the Representation Letter.

*Section 6. Redemption. (a) Optional Redemption.* All or a portion of the Bonds, if any, due on or after the date, if any, specified in the Bond Notification shall be subject to redemption prior to maturity at the option of the Authority from any available funds, as a whole or in part, and if in part in integral multiples of \$5,000 in the order of their maturity as set forth in the Bond Notification (less than all of the Bonds of a single maturity to be selected by the Bond Registrar), on the date specified in the Bond Notification, if any, and on any date thereafter, at the redemption price of par plus accrued interest to the redemption date.

(b) *Mandatory Redemption.* The Bonds maturing on the date or dates, if any, indicated in the Bond Notification shall be subject to mandatory redemption, in integral multiples of \$5,000 selected by lot by the Bond Registrar, at a redemption price of par plus accrued interest to the redemption date, on January 1 of the years, if any, and in the principal amounts, if any, as indicated in the Bond Notification.

The principal amounts of Bonds to be mandatorily redeemed in each year may be reduced through the earlier optional redemption thereof, with any partial optional redemptions of such Bonds credited against future mandatory redemption requirements in such order of the mandatory redemption dates as the Authority may determine. In addition, on or prior to the 60th day preceding any mandatory redemption date, the Bond Registrar may, and if directed by the Board shall, purchase Bonds required to be retired on such mandatory redemption date. Any such Bonds so purchased shall be cancelled and the principal amount thereof shall be credited against the mandatory redemption required on such next mandatory redemption date.

(c) *General.* The Bonds shall be redeemed only in the principal amount of \$5,000 and integral multiples thereof. The Authority shall, at least forty-five (45) days prior to any optional redemption date (unless a shorter time period shall be satisfactory to the Bond Registrar) notify the Bond Registrar of such redemption date and of the principal amount and maturity or maturities of Bonds to be redeemed. For purposes of any redemption of less than all of the outstanding Bonds of a single maturity, the particular Bonds or portions of Bonds to be redeemed shall be selected (a) by lot by the Bond Registrar from the Bonds of such maturity by such method of lottery as the Bond Registrar shall deem fair and appropriate; *provided* that such lottery shall provide for the selection for redemption of Bonds or portions thereof so that any \$5,000 Bond or \$5,000 portion of a Bond shall be as likely to be called for redemption as any other such \$5,000 Bond or \$5,000 portion, or (b) on a pro-rata basis, to be set forth in the Bond Notification. The Bond Registrar

shall make such selection upon the earlier of the irrevocable deposit of funds with an escrow agent sufficient to pay the redemption price of the Bonds to be redeemed or the time of the giving of official notice of redemption.

The Bond Registrar shall promptly notify the Authority in writing of the Bonds or portions of Bonds selected for redemption and, in the case of any Bond selected for partial redemption, the principal amount thereof to be redeemed.

*Section 7. Redemption Procedure.* Unless waived by any holder of Bonds to be redeemed, notice of the call for any such redemption shall be given by the Bond Registrar on behalf of the Authority by mailing the redemption notice by first class mail at least thirty (30) days and not more than sixty (60) days prior to the date fixed for redemption to the registered owner of the Bond or Bonds to be redeemed at the address shown on the Bond Register or at such other address as is furnished in writing by such registered owner to the Bond Registrar.

All notices of redemption shall state:

- (1) the redemption date,
- (2) the redemption price,
- (3) if less than all outstanding Bonds are to be redeemed, the identification (and, in the case of partial redemption, the respective principal amounts) of the Bonds to be redeemed,
- (4) that on the redemption date the redemption price will become due and payable upon each such Bond or portion thereof called for redemption, and that interest thereon shall cease to accrue from and after said date,
- (5) the place where such Bonds are to be surrendered for payment of the redemption price, which place of payment shall be the principal corporate trust office of the Bond Registrar, and
- (6) such other information then required by custom, practice or industry standard.

Unless moneys sufficient to pay the redemption price of the Bonds to be redeemed at the option of the Authority shall have been received by the Bond Registrar prior to the giving of such notice of redemption, such notice may, at the option of the Authority, state that said redemption shall be conditional upon the receipt of such moneys by the Bond Registrar on or prior to the date fixed for redemption. If such moneys are not received, such notice shall be of no force and effect, the Authority shall not redeem such Bonds, and the Bond Registrar shall give notice, in the same manner in which the notice of redemption shall have been given, that such moneys were not so received and that such Bonds will not be redeemed. Otherwise, prior to any redemption date, the Authority shall deposit with the Bond Registrar an amount of money sufficient to pay the redemption price of all the Bonds or portions of Bonds which are to be redeemed on that date.

Subject to the provisions for a conditional redemption described above, notice of redemption having been given as aforesaid, the Bonds or portions of Bonds so to be redeemed shall, on the redemption date, become due and payable at the redemption price therein specified, and from and after such date (unless the Authority shall default in the payment of the redemption price) such Bonds or portions of Bonds shall cease to bear interest. Upon surrender of such Bonds for redemption in accordance with said notice, such Bonds shall be paid by the Bond Registrar at the redemption price. Installments of interest due on or prior to the redemption date shall be payable as herein provided for payment of interest. Upon surrender for any partial redemption of any Bond, there shall be prepared for the registered holder a new Bond or Bonds of the same maturity in the amount of the unpaid principal.

If any Bond or portion of Bond called for redemption shall not be so paid upon surrender thereof for redemption, the principal shall, until paid, bear interest from the redemption date at the rate borne by the Bond or portion of Bond so called for redemption. All Bonds which have been redeemed shall be cancelled and destroyed by the Bond Registrar and shall not be reissued.



*Section 8. Form of Bonds.* The Bonds shall be in substantially the form hereinafter set forth; *provided, however,* that if the text of the Bonds is to be printed in its entirety on the front side of the Bonds, then the second paragraph on the front side and the legend “*See Reverse Side for Additional Provisions*” shall be omitted and the text of paragraphs set forth for the reverse side shall be inserted immediately after the first paragraph.

[Form of Bond - Front Side]

REGISTERED  
No. \_\_\_\_\_

REGISTERED  
\$ \_\_\_\_\_

**UNITED STATES OF AMERICA**

**STATE OF ILLINOIS**

**GLENBARD WASTEWATER AUTHORITY**

**WASTEWATER TREATMENT FACILITY REVENUE BOND, SERIES 2023**

See Reverse Side for Additional Provisions
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Interest                      Maturity                      Dated  
Rate: \_\_\_\_\_%      Date: January 1, 20\_\_\_\_      Date: \_\_\_\_\_, 2023      CUSIP: \_\_\_\_\_

Registered Owner:

Principal Amount:

KNOW ALL PERSONS BY THESE PRESENTS that the Glenbard Wastewater Authority, a municipal joint action agency and body politic and corporate of the State of Illinois (the “*Authority*”), hereby acknowledges itself to owe and for value received promises to pay to the Registered Owner identified above, or registered assigns as hereinafter provided, on the Maturity Date identified above, the Principal Amount identified above, and to pay interest (computed on the basis of a 360-day year of twelve 30-day months) on such Principal Amount from the later of the Dated Date of this Bond identified above or from the most recent interest payment date to which interest has been paid or duly provided for, at the Interest Rate per annum identified above, such interest to be payable on \_\_\_\_\_ 1, 20\_\_\_\_, and semiannually thereafter on January 1 and July 1 of each year until the Principal Amount is paid or duly provided for. The Principal Amount of this Bond is payable in lawful money of the United States of America upon presentation hereof at the principal corporate trust office of \_\_\_\_\_, as paying agent and bond

registrar (the "*Bond Registrar*"). Payment of interest shall be made to the Registered Owner hereof as shown on the registration books of the Authority maintained by the Bond Registrar at the close of business on the applicable Record Date (the "*Record Date*"). The Record Date shall be the 15th day of the month next preceding any regular interest payment date and 15 days next preceding any interest payment date occasioned by the redemption of Bonds. Interest shall be paid by check or draft of the Bond Registrar, payable upon presentation in lawful money of the United States of America, mailed to the address of such Registered Owner as it appears on such registration books or at such other address furnished in writing by such Registered Owner to the Bond Registrar, or as otherwise agreed by the Authority and the Bond Registrar and a qualified securities clearing corporation as depository, or nominee, for so long as this Bond shall be in Book Entry Form as provided for same.

Reference is hereby made to the further provisions of this Bond set forth on the reverse hereof, and such further provisions shall for all purposes have the same effect as if set forth at this place.

It is hereby certified and recited that all acts, conditions, and things required to be done precedent to and in the issuance of this Bond have been done and have happened and have been performed in regular and due form of law; that provision has been made for the collection and segregation of Revenues to pay the interest hereon as it falls due and also to pay and discharge the principal hereof at maturity; and that the Authority hereby covenants and agrees that it will properly account for the Revenues and comply with all of the covenants of the Resolution, including fixing and maintaining fees, charges and rates for the use and service of the Facility sufficient at all times to pay Operation and Maintenance Costs and the principal of and interest on all revenue bonds or other obligations of the Authority which by their terms are payable from the Revenues.

This Bond shall not be valid or become obligatory for any purpose until the certificate of authentication hereon shall have been signed by the Bond Registrar.

IN WITNESS WHEREOF the Glenbard Wastewater Authority, by its Board of Directors, has caused this Bond to be executed with the manual or duly authorized facsimile signature of its Executive Director as of the Dated Date identified above.

SPECIMEN

\_\_\_\_\_  
Executive Director  
Glenbard Wastewater Authority

Date of Authentication: \_\_\_\_\_, 2023

CERTIFICATE  
OF  
AUTHENTICATION

Bond Registrar and Paying Agent:

\_\_\_\_\_  
\_\_\_\_\_

This Bond is one of the Bonds described in the within mentioned Resolution and is one of the Wastewater Treatment Facility Revenue Bonds, Series 2023, of the Authority.

\_\_\_\_\_,  
as Bond Registrar

By \_\_\_\_\_  
SPECIMEN  
Authorized Officer

[Form of Bond - Reverse Side]

This Bond and the Bonds of the series of which it forms a part are of an authorized issue of \$\_\_\_\_\_, of like Dated Date and tenor except as to maturity, rate of interest, and privilege of redemption, and are issued pursuant to the provisions of the Act for the purpose of paying the costs of the Project. The Bonds are issued pursuant to a resolution passed by the Board of Directors of the Authority on the 13th day of November, 2023 (the “*Resolution*”), to which reference is hereby expressly made for further definitions and terms and to all the provisions of

which the holder by the acceptance of this Bond assents. THIS BOND DOES NOT CONSTITUTE AN INDEBTEDNESS OF THE AUTHORITY OR OF EITHER MEMBER WITHIN THE MEANING OF ANY CONSTITUTIONAL OR STATUTORY PROVISION OR LIMITATION. NO REGISTERED OWNER SHALL HAVE THE RIGHT TO COMPEL THE EXERCISE OF ANY TAXING POWER OF EITHER MEMBER TO PAY THE PRINCIPAL OF OR INTEREST ON THE BONDS.

The Bonds are payable solely from the Revenues on deposit in the Equipment Replacement Sub-Fund, and not otherwise. Under the Act and the Resolution, the Revenues are pledged to pay Operation and Maintenance Costs and the principal of and interest on all bonds of the Authority that are payable by their terms from the Revenues. Additional Bonds both on a parity with or subordinate in lien to the Bonds may be issued pursuant to the terms of the Resolution.

This Bond may be transferred or exchanged, but only in the manner, subject to the limitations, and upon payment of the charges as set forth in the Resolution. The Bond Registrar shall not be required to transfer or exchange any Bond during the period from the close of business on the Record Date for an interest payment to the opening of business on such interest payment date.

[The Bonds may be subject to mandatory redemption, and the holder of this Bond shall refer to the provisions of the Resolution for the terms and provision for notice of redemption.]

The Authority and the Bond Registrar may deem and treat the Registered Owner hereof as the absolute owner hereof for the purpose of receiving payment of or on account of principal hereof and interest due hereon and for all other purposes; and neither the Authority nor the Bond Registrar shall be affected by any notice to the contrary.

## ASSIGNMENT

FOR VALUE RECEIVED the undersigned sells, assigns and transfers unto

[Identifying Numbers]

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(Name and Address of Assignee)

the within Bond and does hereby irrevocably constitute and appoint \_\_\_\_\_

as attorney to transfer the said Bond on the books kept for registration thereof with full power of substitution in the premises.

Dated: \_\_\_\_\_

Signature Guaranteed: \_\_\_\_\_

NOTICE: The signature to this transfer and assignment must correspond with the name of the Registered Owner as it appears upon the face of the within Bond in every particular, without alteration or enlargement or any change whatever.

*Section 9. Sale of Bonds.* The Designated Officials are hereby authorized to proceed not later than the 13th day of May, 2024, without any further authorization or direction from the Board, to sell the Bonds upon the terms as prescribed in this Resolution. The Bonds hereby authorized shall be executed as in this Resolution provided as soon after the delivery of a Bond Notification as may be, and thereupon be deposited with the Executive Director, and, after authentication thereof by the Bond Registrar, be by the Executive Director delivered to the Purchaser, upon receipt of the purchase price therefor, the same being not less than 97.0% of the principal amount of the Bonds (exclusive of original issue discount, if any), plus accrued interest, if any, to the date of delivery. No person holding any office of the Authority is in any manner

financially interested directly in his or her own name or indirectly in the name of any other person, association, trust or corporation, in the sale of the Bonds to the Purchaser.

Nothing in this Section shall require the Designated Officials to sell any of the Bonds if in their judgment, the conditions in the bond markets shall have deteriorated from the time of adoption thereof or the sale of all or any portion of the Bonds shall for some other reason not be deemed advisable, but the Designated Officials shall have the authority to sell the Bonds in any event so long as the limitations set forth in this Resolution and the conditions of this Section shall have been met. As a further exercise of this authority, the Designated Officials may sell the Bonds in more than one series; and, in such event, shall be authorized to change the name of the Bonds for each such series so that such series may properly be identified separately. Further, in such event, the provisions for registration, redemption and exchange of Bonds shall be read as applying to Bonds only of each series, respectively, and not as between series.

Prior to the sale of the Bonds, the Executive Director is hereby authorized to approve and execute a commitment for the purchase of a Municipal Bond Insurance Policy (as hereinafter defined), to further secure the Bonds, as long as the present value of the fee to be paid for the Municipal Bond Insurance Policy (using as a discount rate the expected yield on the Bonds treating the fee paid as interest on the Bonds) is less than the present value of the interest reasonably expected to be saved on the Bonds over the term of the Bonds as a result of the Municipal Bond Insurance Policy.

Upon the sale of the Bonds, the Designated Officials shall prepare a Notification of Sale (the "*Bond Notification*") related thereto. In the Bond Notification, the Designated Officials shall find and determine that the Bonds have been sold at such price and bear interest at such rates that either the true interest cost (yield) or the net interest rate received upon the sale of the Bonds does not exceed the maximum rate otherwise authorized by applicable law and that no person holding

any office of the Authority is in any manner financially interested directly in his or her own name or indirectly in the name of any other person, association, trust or corporation, in the sale of the Bonds to the Purchaser. The Bond Notification shall be entered into the records of the Authority and made available to the Board at the next regular meeting thereof; but such action shall be for information purposes only, and the Board shall have no right or authority at such time to approve or reject such sale as evidenced in the Bond Notification.

Upon the sale of the Bonds, as evidenced by the execution and delivery of the Bond Notification by the Designated Officials, the Executive Director and any other officers of the Authority as shall be appropriate, shall be and are hereby authorized and directed to approve or execute, or both, such documents and related provisions of sale of the Bonds as may be necessary, including, without limitation, the contract for the sale of the Bonds between the Authority and the Purchaser (the "*Purchase Contract*").

The use by the Purchaser of any Preliminary Official Statement and any final Official Statement relating to the Bonds (the "*Official Statement*") is hereby ratified, approved and authorized; the execution and delivery of the Official Statement is hereby authorized; and the officers of the Authority are hereby authorized to take any action as may be required on the part of the Authority to consummate the transactions contemplated by the Purchase Contract, this Resolution, said Preliminary Official Statement, the Official Statement and the Bonds.

*Section 10. Bonds Limited Obligations.* The Bonds shall be payable solely from the Revenues on deposit in the Equipment Replacement Sub-Fund, and not otherwise. The Bonds shall not constitute an indebtedness of the Authority or either Member within the meaning of any constitutional or statutory limitation. Bondholders may, in any civil action, mandamus or other proceeding, enforce and compel performance of all duties required to be performed by the Authority as provided in this Resolution or by either Member or other persons contracting with



the Authority to use the Facility, including the imposition of fees and charges, the collection of sufficient Revenues and the proper application of Revenues to the payment of the Bonds. No Bondholder shall have the right to compel the exercise of any taxing power of either Member to pay the principal of or interest on the Bonds.

*Section 11. Continuation of Operating Sub-Fund and Equipment Replacement Sub-Fund; Flow of Funds.* Upon the issuance of the Bonds, the Facility shall continue to be operated on a Fiscal Year basis. Pursuant to and in accordance with the provisions of the Agreement, all of the Revenues shall continue to be set aside as collected and be deposited into the Operating Sub-Fund or the Equipment Replacement Sub-Fund, which funds are hereby expressly continued hereunder and which constitute trust funds for the purpose of carrying out the covenants, terms, and conditions of this Resolution.

Pursuant to the provisions of the Agreement, the cost of Facility operations and the cost of Facility capital replacement (including debt service on the IEPA Loans and the Bonds) are separately apportioned to each Member as detailed in Paragraphs C and D of Section VII of the Agreement. For so long as Bonds remain Outstanding, the Authority shall continue to separately apportion the cost of Facility operations and the cost of Facility capital replacement (including debt service on the IEPA Loans, the Bonds and Additional Bonds).

All Revenues derived from Member billing for the cost of Facility operations shall be deposited into the Operating Sub-Fund and used to pay Operation and Maintenance Costs. All Revenues derived from Member billing for the cost of Facility capital replacement (including debt service on the IEPA Loans, the Bonds and Additional Bonds) shall be deposited into the Equipment Replacement Sub-Fund and used in accordance with the following paragraph. All Revenues not derived from Member billing shall be deposited into the Operating Sub-Fund or the

Equipment Replacement Sub-Fund, pursuant to and in accordance with the provisions of the Agreement or, if no such provisions exist, at the discretion of the Board.

All moneys in the Equipment Replacement Sub-Fund shall be used, first, to pay or provide for debt service on Outstanding IEPA Loans, Bonds and Additional Bonds as described in the following sentence. Each year, funds to the credit of the Equipment Replacement Sub-Fund shall be first allocated to, and set aside for, debt service on Outstanding IEPA Loans, Bonds and Additional Bonds, up to the amount of the Current Debt Service Requirement. Each year, funds to the credit of the Equipment Replacement Sub-Fund in excess of the Current Debt Service Requirement may be used for one or more of the following, without any priority: (1) to provide an adequate allowance for depreciation as shall be determined from time to time by the Board in its sole discretion; (2) to pay the cost of extraordinary maintenance, necessary repairs and replacements, or contingencies, or for improvements or extensions to the Facility as shall be determined from time to time by the Board in its sole discretion; (3) to call and redeem Outstanding IEPA Loans, Bonds and/or Additional Bonds which are callable at the time; (4) to pay principal of and interest on any subordinate bonds or obligations issued for the purpose of acquiring or constructing repairs, replacements, renewals, improvements and extensions to the Facility or otherwise properly payable from the Revenues or issued to refund such bonds or obligations; or (5) for any other corporate purpose of the Authority.

Moneys to the credit of the Operating Sub-Fund and the Equipment Replacement Sub-Fund may be invested pursuant to any authorization granted to municipal corporations by Illinois statute or court decision, subject to the Authority's then-current investment policy.

*Section 12. General Covenants.* The Authority covenants and agrees with the registered owners of the Bonds that so long as any Bonds remain Outstanding:

A. The Revenues are pledged to pay Operation and Maintenance Costs and the principal of and interest on all bonds of the Authority that are payable by their terms from the Revenues.

B. The Authority hereby pledges the Revenues deposited into the Equipment Replacement Sub-Fund to the payment of the Bonds and the Board covenants and agrees to provide for, collect, and apply the Revenues in the Equipment Replacement Sub-Fund to the payment of the Bonds.

C. The Authority will punctually pay or cause to be paid from the Equipment Replacement Sub-Fund the principal of and interest on the Bonds in strict conformity with the terms of the Bonds and this Resolution, and the Authority will faithfully observe and perform all of the conditions, covenants and requirements thereof and hereof.

D. The Authority will pay and discharge, or cause to be paid and discharged, from the Equipment Replacement Sub-Fund any and all lawful claims which, if unpaid, might become a lien or charge upon the Revenues, or any part thereof, or upon any funds in the hands of the Bond Registrar, or which might impair the security of the Bonds. Nothing herein contained shall require the Authority to make any such payment so long as the Authority in good faith shall contest the validity of said claims.

E. The Authority will keep, or cause to be kept, proper books of record and accounts, separate from all other records and accounts of the Authority, in which complete and correct entries shall be made of all transactions relating to the Revenues, the Operating Sub-Fund and the Equipment Replacement Sub-Fund.

F. The Authority will preserve and protect the security of the Bonds and the rights of the registered owners of the Bonds and warrant and defend their rights against all claims and demands of all persons. From and after the delivery of the Bonds, the Bonds shall be incontestable by the Authority.

G. The Authority will adopt, make, execute and deliver any and all such further resolutions, instruments and assurances as may be reasonably necessary or proper to carry out the intention of, or to facilitate the performance of, this Resolution, and for the better assuring and confirming unto the registered owners of the Bonds of the rights and benefits provided in this Resolution.

H. The Authority will continue to deposit Revenues into the Equipment Replacement Sub-Fund as described in Section 11 hereof. The Authority covenants and agrees with the registered owners of the Bonds that so long as any Bonds remain Outstanding, the Authority will take no action or fail to take any action which in any way would adversely affect the ability of the Authority to collect and to segregate the Revenues as described in Section 11 hereof. The Authority and its officers will comply with all present and future applicable laws in order to assure that the Revenues may be collected and deposited to the Equipment Replacement Sub-Fund as provided herein.

I. The Authority will maintain the Facility in good repair and working order, maintain appropriate insurance coverage on the Facility operate the Facility efficiently and faithfully and punctually perform all duties with respect thereto required by the Constitution and laws of the State of Illinois and the United States.

J. The Authority will establish and maintain at all times reasonable fees, charges and rates for the use and service of the Facility and will provide for the collection, segregation and application of the Revenues in the manner provided by this Resolution,

sufficient at all times to pay Operation and Maintenance Costs and to pay the principal of and interest on all revenue bonds of the Authority which by their terms are payable from the Revenues; it is hereby expressly provided that the pledge and establishment of fees, charges and rates for use and service of the Facility shall constitute a continuing obligation of the Authority with respect to such establishment and a continuing appropriation of the amounts received.

K. Within 210 days of each Fiscal Year, the Authority will cause the books and accounts of the Facility to be audited by independent certified public accountants in accordance with appropriate audit standards.

*Section 13. Additional Bonds.* The Authority reserves the right to issue Additional Bonds, *provided, however,* the Authority may not issue any such Additional Bonds payable from the Revenues on a parity with and sharing ratably and equally with the Bonds, *provided* that neither of the corporate authorities of the Members approve an ordinance objecting to the issuance of such Additional Bonds. The Executive Oversight Committee of the Authority shall give notice of the Authority's intent to issue such Additional Bonds to the corporate authorities of both Members no less than thirty (30) days' notice prior to consideration by the Board of the resolution authorizing such Additional Bonds.

*Section 14. Use of Proceeds.* Simultaneously with the delivery of the Bonds, the principal proceeds of the Bonds, together with any premium received from the sale of the Bonds, are hereby appropriated to pay the costs of issuance of the Bonds and the Project, and the portion thereof not needed to pay such costs of issuance is hereby ordered deposited into a separate fund hereby created and designated as the "*Project Fund-Series 2023 Bond*" (the "*Project Fund*"). Disbursements shall be made from the Project Fund only for the purposes for which the Bonds are being issued and for which the sale proceeds of the Bonds are hereby appropriated.

*Section 15. Duties of Bond Registrar.* If requested by the Bond Registrar, the Executive Director is authorized to execute the Bond Registrar's standard form of agreement between the Authority and the Bond Registrar with respect to the obligations and duties of the Bond Registrar hereunder which may include the following:

- (a) to act as bond registrar, authenticating agent, paying agent and transfer agent as provided herein;
- (b) to maintain a list of Bondholders as set forth herein and to furnish such list to the Authority upon request, but otherwise to keep such list confidential;
- (c) to give notice of redemption of the Bonds as provided herein;
- (d) to cancel and/or destroy Bonds which have been paid at maturity or submitted for exchange or transfer;
- (e) to furnish the Authority at least annually a certificate with respect to Bonds cancelled and/or destroyed; and
- (f) to furnish the Authority at least annually an audit confirmation of Bonds paid, Bonds Outstanding and payments made with respect to interest on the Bonds.

*Section 16. Non-Arbitrage and Tax-Exemption.* The Authority hereby covenants that it will not take any action, omit to take any action or permit the taking or omission of any action within its control (including, without limitation, making or permitting any use of the proceeds of the Bonds) if taking, permitting or omitting to take such action would cause any of the Bonds to be an arbitrage bond or a private activity bond within the meaning of the Code, or would otherwise cause the interest on the Bonds to be included in the gross income of the recipients thereof for federal income tax purposes. The Authority acknowledges that, in the event of an examination by the Internal Revenue Service (the "IRS") of the exemption from federal income taxation for interest paid on the Bonds, under present rules, the Authority may be treated as a "taxpayer" in such examination and agrees that it will respond in a commercially reasonable manner to any inquiries from the IRS in connection with such an examination.

The Authority also agrees and covenants with the purchasers and holders of the Bonds from time to time Outstanding that, to the extent possible under Illinois law, it will comply with whatever federal tax law is adopted in the future which applies to the Bonds and affects the tax-exempt status of the Bonds.

The Board hereby authorizes the official of the Authority responsible for issuing the Bonds, the same being the Executive Director, to make such further covenants and certifications regarding the specific use of the proceeds of the Bonds as approved by the Board and as may be necessary to assure that the use thereof will not cause the Bonds to be arbitrage bonds and to assure that the interest on the Bonds will be exempt from federal income taxation. In connection therewith, the Authority and the Board further agree: (a) through their officers, to make such further specific covenants, representations as shall be truthful, and assurances as may be necessary or advisable; (b) to consult with counsel approving the Bonds and to comply with such advice as may be given; (c) to pay to the United States, as necessary, such sums of money representing required rebates of excess arbitrage profits relating to the Bonds; (d) to file such forms, statements, and supporting documents as may be required and in a timely manner; and (e) if deemed necessary or advisable by their officers, to employ and pay fiscal agents, financial advisors, attorneys, and other persons to assist the Authority in such compliance.

*Section 17. Designation of Issue.* The Authority may designate all or any portion of the Bonds, if any, as “qualified tax-exempt obligations” for the purposes and within the meaning of Section 265(b)(3) of the Code, as set forth in the Bond Notification.

*Section 18. Municipal Bond Insurance.* In the event the payment of principal of and interest on the Bonds is insured pursuant to a municipal bond insurance policy (a “*Municipal Bond Insurance Policy*”) issued by a bond insurer (a “*Bond Insurer*”), and as long as such Municipal Bond Insurance Policy shall be in full force and effect, the Authority and the Bond Registrar agree

to comply with such usual and reasonable provisions regarding presentment and payment of the Bonds, subrogation of the rights of the Bondholders to the Bond Insurer when holding Bonds, amendment hereof, or other terms, as approved by the Executive Director on advice of counsel, his approval to constitute full and complete acceptance by the Authority of such terms and provisions under authority of this section.

*Section 19. Continuing Disclosure Undertaking.* The Executive Director is hereby authorized, empowered and directed to execute and deliver the Continuing Disclosure Undertaking (the “*Continuing Disclosure Undertaking*”), substantially in the form attached to the Preliminary Official Statement referenced in Section 9 hereof, made a part hereof by this reference, and hereby approved; the officer signatory to such Continuing Disclosure Undertaking being hereby authorized and directed to execute same, his execution to constitute conclusive proof of action in accordance with this Resolution, and approval of all completions or revisions necessary or appropriate to such undertaking. When the Continuing Disclosure Undertaking is executed and delivered on behalf of the Authority as herein provided, the Continuing Disclosure Undertaking will be binding upon the Authority and the officers, employees and agents of the Authority, and the officers, employees and agents of the Authority are hereby authorized, empowered and directed to do all such acts and things and to execute all such documents as may be necessary to carry out and comply with the provisions of the Continuing Disclosure Undertaking as executed. Notwithstanding any other provision of this Resolution, the sole remedies for failure to comply with the Continuing Disclosure Undertaking shall be the ability of the beneficial owner of any Bond to seek mandamus or specific performance by court order, to cause the Authority to comply with its obligations under the Continuing Disclosure Undertaking.

*Section 20. Record-Keeping Policy and Post-Issuance Compliance Matters.* It is necessary and in the best interest of the Authority to maintain sufficient records to demonstrate



compliance with its covenants and expectations to ensure the appropriate federal tax status for the Bonds and other debt obligations of the Authority, the interest on which is excludable from “gross income” for federal income tax purposes or which enable the Authority or the holder to receive federal tax benefits, including, but not limited to, qualified tax credit bonds and other specified tax credit bonds (including the Bonds, the “*Tax Advantaged Obligations*”). Further, it is necessary and in the best interest of the Authority that (i) the Board adopt policies with respect to record-keeping and post issuance compliance with the Authority’s covenants related to its Tax Advantaged Obligations and (ii) the Compliance Officer (as hereinafter defined) at least annually review the Authority’s Contracts (as hereinafter defined) to determine whether the Tax Advantaged Obligations comply with the federal tax requirements applicable to each issue of the Tax Advantaged Obligations. The Board and the Authority hereby adopt the following Record-Keeping Policy and, in doing so, amend any similar Record-Keeping Policy or Policies heretofore adopted:

(a) *Compliance Officer Is Responsible for Records.* The Executive Director (the “*Compliance Officer*”) is hereby designated as the keeper of all records of the Authority with respect to each issue of the Tax Advantaged Obligations, and such officer shall report to the Board at least annually that he/she has all of the required records in his/her possession, or is taking appropriate action to obtain or recover such records.

(b) *Closing Transcripts.* For each issue of Tax Advantaged Obligations, the Compliance Officer shall receive, and shall keep and maintain, a true, correct and complete counterpart of each and every document and agreement delivered in connection with the issuance of the Tax Advantaged Obligations, including without limitation (i) the proceedings of the Authority authorizing the Tax Advantaged Obligations, (ii) any offering document with respect to the offer and sale of the Tax Advantaged Obligations, (iii) any legal opinions with respect to the Tax Advantaged Obligations delivered by any lawyers, and (iv) all written representations of any person delivered in connection with the issuance and initial sale of the Tax Advantaged Obligations.

(c) *Arbitrage Rebate Liability.* The Compliance Officer shall review the agreements of the Authority with respect to each issue of Tax Advantaged Obligations and shall prepare a report for the Board stating whether or not the Authority has any rebate liability to the United States Treasury, and setting forth any applicable exemptions that

each issue of Tax Advantaged Obligations may have from rebate liability. Such report shall be updated annually and delivered to the Board.

(d) *Recommended Records.* The Compliance Officer shall review the records related to each issue of Tax Advantaged Obligations and shall determine what requirements the Authority must meet in order to maintain the tax-exemption of interest paid on its Tax Advantaged Obligations, its entitlement to direct payments by the United States Treasury of the applicable percentages of each interest payment due and owing on its Tax Advantaged Obligations, and applicable tax credits or other tax benefits arising from its Tax Advantaged Obligations. The Compliance Officer shall then prepare a list of the contracts, requisitions, invoices, receipts and other information that may be needed in order to establish that the interest paid on the Tax Advantaged Obligations is entitled to be excluded from “gross income” for federal income tax purposes, that the Authority is entitled to receive from the United States Treasury direct payments of the applicable percentages of interest payments coming due and owing on its Tax Advantaged Obligations, and the entitlement of holders of any Tax Advantaged Obligations to any tax credits or other tax benefits, respectively. Notwithstanding any other policy of the Authority, such retained records shall be kept for as long as the Tax Advantaged Obligations relating to such records (and any obligations issued to refund the Tax Advantaged Obligations) are outstanding, plus three years, and shall at least include:

(i) complete copies of the transcripts delivered when any issue of Tax Advantaged Obligations is initially issued and sold;

(ii) copies of account statements showing the disbursements of all Tax Advantaged Obligation proceeds for their intended purposes, and records showing the assets and other property financed by such disbursements;

(iii) copies of account statements showing all investment activity of any and all accounts in which the proceeds of any issue of Tax Advantaged Obligations has been held or in which funds to be used for the payment of principal of or interest on any Tax Advantaged Obligations has been held, or which has provided security to the holders or credit enhancers of any Tax Advantaged Obligations;

(iv) copies of all bid requests and bid responses used in the acquisition of any special investments used for the proceeds of any issue of Tax Advantaged Obligations, including any swaps, swaptions, or other financial derivatives entered into in order to establish that such instruments were purchased at *fair market value*;

(v) copies of any subscriptions to the United States Treasury for the purchase of State and Local Government Series (SLGS) obligations;

(vi) any calculations of liability for *arbitrage rebate* that is or may become due with respect to any issue of Tax Advantaged Obligations, and any calculations prepared to show that no arbitrage rebate is due, together, if applicable, with

account statements or cancelled checks showing the payment of any rebate amounts to the United States Treasury together with any applicable IRS Form 8038-T; and

(vii) copies of all contracts and agreements of the Authority, including any leases (the “*Contracts*”), with respect to the use of any property owned by the Authority and acquired, constructed or otherwise financed or refinanced with the proceeds of the Tax Advantaged Obligations effective at any time when such Tax Advantaged Obligations are, will or have been outstanding. Copies of contracts covering no more than 50 days of use and contracts related to Authority employees need not be retained.

(e) *IRS Examinations or Inquiries.* In the event the IRS commences an examination of any issue of Tax Advantaged Obligations or requests a response to a compliance check, questionnaire or other inquiry, the Compliance Officer shall inform the Board of such event, and is authorized to respond to inquiries of the IRS, and to hire outside, independent professional counsel to assist in the response to the examination or inquiry.

(f) *Annual Review.* The Compliance Officer shall conduct an annual review of the Contracts and other records to determine for each issue of Tax Advantaged Obligations then outstanding whether each such issue complies with the federal tax requirements applicable to such issue, including restrictions on private business use, private payments and private loans. The Compliance Officer is expressly authorized, without further official action of the Board, to hire outside, independent professional counsel to assist in such review. To the extent that any violations or potential violations of federal tax requirements are discovered incidental to such review, the Compliance Officer may make recommendations or take such actions as the Compliance Officer shall reasonably deem necessary to assure the timely correction of such violations or potential violations through remedial actions described in the United States Treasury Regulations, or the Tax Exempt Bonds Voluntary Closing Agreement Program described in Treasury Notice 2008-31 or similar program instituted by the IRS.

(g) *Training.* The Compliance Officer shall undertake to maintain reasonable levels of knowledge concerning the rules related to tax-exempt bonds (and build America bonds and tax credit bonds to the extent the Authority has outstanding build America bonds or tax-credit bonds) so that such officer may fulfill the duties described in this Section. The Compliance Officer may consult with counsel, attend conferences and presentations of trade groups, read materials posted on various web sites, including the web site of the Tax Exempt Bond function of the IRS, and use other means to maintain such knowledge. Recognizing that the Compliance Officer may not be fully knowledgeable in this area, the Compliance Officer may consult with outside counsel, consultants and experts to assist him or her in exercising his or her duties hereunder. The Compliance Officer will endeavor to make sure that the Authority’s staff is aware of the need for continuing compliance. The Compliance Officer will provide copies of this Resolution and the Tax Exemption Certificate and Agreement or other applicable tax documents for each series of Tax Advantaged Obligations then currently outstanding (the “*Tax Agreements*”) to staff

members who may be responsible for taking actions described in such documents. The Compliance Officer should assist in the education of any new Compliance Officer and the transition of the duties under these procedures. The Compliance Officer will review this Resolution and each of the Tax Agreements periodically to determine if there are portions that need further explanation and, if so, will attempt to obtain such explanation from counsel or from other experts, consultants or staff.

(h) *Amendment and Waiver.* The procedures described in this Section are only for the benefit of the Authority. No other person (including an owner of a Tax Advantaged Obligation) may rely on the procedures included in this Section. The Authority may amend this Section and any provision of this Section may be waived, without the consent of the holders of any Tax Advantaged Obligations and as authorized by passage of a resolution by the Board. Additional procedures may be required for Tax Advantaged Obligations the proceeds of which are used for purposes other than capital governmentally owned projects or refundings of such, including tax increment financing bonds, bonds financing output facilities, bonds financing working capital, or private activity bonds. The Authority also recognizes that these procedures may need to be revised in the event the Authority enters into any derivative products with respect to its Tax Advantaged Obligations.

*Section 21. Defeasance.* Bonds which are no longer Outstanding Bonds as defined in this Resolution shall cease to have any lien on or right to receive or be paid from the Revenues and shall no longer have the benefits of any covenant for the registered owners of Outstanding Bonds as set forth herein as such relates to lien and security for the Bonds in the Revenues.

*Section 22. This Resolution a Contract.* The provisions of this Resolution shall constitute a contract between the Authority and the registered owners of the Bonds, and no changes, additions or alterations of any kind shall be made hereto, except as herein provided.

*Section 23. Severability.* If any section, paragraph, clause or provision of this Resolution shall be held invalid, the invalidity of such section, paragraph, clause or provision shall not affect any of the other provisions of this Resolution.

*Section 24. Repealer.* All resolutions or orders, or parts thereof, in conflict with the provisions of this Resolution are to the extent of such conflict hereby repealed.

*Section 25. Effective Date.* This Resolution shall be effective immediately.

Passed by the Board on November 13, 2023.

AYES: \_\_\_\_\_

\_\_\_\_\_

NAYS: \_\_\_\_\_

ABSENT: \_\_\_\_\_

ABSTAIN: \_\_\_\_\_

RECORDED in Authority Records on November 13, 2023.

ATTEST:

\_\_\_\_\_  
Executive Director

Director \_\_\_\_\_ moved and Director \_\_\_\_\_ seconded the motion that said resolution as presented and read by title be adopted.

After a full and complete discussion thereof, the presiding officer directed that the roll be called for a vote upon the motion to adopt the resolution as read by title.

Upon the roll being called, the following Directors voted AYE: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NAY: \_\_\_\_\_

Whereupon the presiding officer declared the motion carried and the resolution adopted and did direct the Executive Director to record the same in full in the records of the Board of Directors of the Glenbard Wastewater Authority, which was done.

Other business not pertinent to the adoption of said resolution was duly transacted at said meeting.

Upon motion duly made and seconded, the meeting was adjourned.

\_\_\_\_\_  
Executive Director

STATE OF ILLINOIS     )  
                                      ) SS  
COUNTY OF DUPAGE    )

**CERTIFICATION OF RESOLUTION AND MINUTES**

I, the undersigned, do hereby certify that I am the duly qualified and acting Executive Director of the Glenbard Wastewater Authority (the “*Authority*”), and as such officer I am the keeper of the books, records, files, and journal of proceedings of the Authority and of the Board of Directors thereof (the “*Board*”).

I do further certify that the foregoing constitutes a full, true and complete transcript of the minutes of the meeting of the Board held on the 13th day of November, 2023, insofar as same relates to the adoption of Resolution No.004-2023 entitled:

RESOLUTION authorizing and providing for the issuance of not to exceed \$7,000,000 Wastewater Treatment Facility Revenue Bonds, Series 2023, of the Glenbard Wastewater Authority for the purpose of paying the costs of improving the wastewater treatment facilities of said Authority, prescribing the details of said bonds and providing for collection, segregation, and application of the revenues of said Authority, and authorizing the sale of said bonds to the purchaser thereof.

a true, correct and complete copy of which said resolution as adopted at said meeting appears in the foregoing transcript of the minutes of said meeting.

I do further certify that the deliberations of the Board on the adoption of said resolution were conducted openly, that the vote on the adoption of said resolution was conducted openly, that said meeting was held at a specified time and place convenient to the public, that notice of said meeting was duly given to all of the news media requesting such notice, that an agenda for said meeting was posted at the location where said meeting was held and at the principal office of the Board at least 96 hours in advance of the holding of said meeting, that at least one copy of said agenda was continuously available for public review during the entire 96-hour period preceding said meeting, that a true, correct and complete copy of said agenda as so posted being attached hereto as *Exhibit A*, that said meeting was called and held in strict accordance with the provisions of the Intergovernmental Cooperation Act of the State of Illinois, as amended, the Open Meetings Act of the State of Illinois, as amended, and the Local Government Debt Reform Act of the State of Illinois, as amended, and that the Board has complied with all of the applicable provisions of said Acts and its procedural rules in the adoption of said resolution.

IN WITNESS WHEREOF, I hereunto affix my official signature this 13th day of November, 2023.

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Executive Director



# **SECTION 9.0**

## **SRI BRIDGE REHABILITATION PROJECT – APPROVAL TO WAIVE COMPETITIVE BIDDING**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

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

**DATE:** October 12, 2023

**RE:** **SRI Bridge Rehabilitation Project**

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In August 2023 the Authority sent a request for proposals for an IDOT inspection the only bridge located in the main plant, commonly referred to the SRI bridge. The RFP was sent to shortlisted firms that had certified IDOT bridge inspectors in-house. Trotter and Associates was selected for the work, and the inspection was completed shortly afterwards.

The inspection yielded that the bridge itself was in relatively good shape, but did require some rehabilitation work in order to maintain it's rated capacity of 80,000 pounds. The engineers estimate calculated roughly \$65,000 of rehabilitation work. Based on the Authority's purchasing policy for professional services, Trotter and Associates was chosen to develop plans and specifications to supply to a contractor in order move forward with the rehabilitation work. Since some of the rehabilitation work will involve repaving asphalt on the bridge deck prior to winter in order to protect the structural components, and asphalt paving typically ceases in late November due to colder weather, the Technical Advisory Committee suggested requesting to waive the public bidding process to expedite the process. As this work is expected to exceed \$20,000, waiving of the competitive bidding is allowed in accordance with Section C, 1: Exceptions to Competitive Bidding of the Glen Ellyn Purchasing Policies and Procedures (per the IGA, the Authority follows the lead agencies purchasing policy), which states, "*A purchase or contract over \$20,000 that is by its nature not adapted to award by competitive bidding may be approved by a 2/3rd vote of the Village Board.*" However, in order to maintain a competitive procurement process, proposals will still be requested from at least three qualified contractors.

Therefore, the Authority requests to waive the competitive bidding process for the SRI Bridge Rehabilitation and move forward with obtaining proposals from at least three qualified contractors to perform the work.

**SECTION 10.0**

**CY2024 BUDGET**

**APPROVAL TO  
RECOMMEND GWA FULL  
BOARD APPROVAL**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

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

**DATE:** October 12, 2023

**RE:** Final Draft CY2024 Budget

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After the presentation of the first draft of the CY2024 budget to the Executive Oversight Committee at the September 14, 2023 EOC meeting, no further significant additions were made. Below is a summary of all the significant changes made in the CY2024 Draft Budget from the CY2023 Approved Budget:

### Capital Fund 40

- **Proceeds from Borrowing** - \$6,000,000. It is anticipated that the Authority will utilize a bond to finance the Primary Clarifier and Gravity Thickener Improvements Project
- **Investment Income** - \$125,000. As the Authority's cash on hand has increased due to deferment of projects, its interest income has increased over the typically budgeted amount as well. Therefore, per the recommendation of the Finance Directors, this number has been increased for CY2024.
- **1.25% increase in capital contributions from each Village.** In CY2023 the Executive Oversight Committee agreed to adjusting the annual contribution increase from 1.0% to 1.25% to alleviate the need for a larger increase in the future.
- **Vehicle and Equipment Replacement** - \$603,000. This includes the replacement of a truck that was anticipated for replacement in CY2022, however, due to the vehicle shortages – it was deferred to CY2023, and now CY2024. Also scheduled for replacement is GWA's crane truck. This replacement is partially due to the age of the vehicle (10 years), but also needs for the crane have changed since it was originally purchased. Since this purchase, GWA has built two new pump stations, and one new lift station, which all contain larger pumps than the Authority previously had. In addition, with a larger crane truck, GWA would have the ability to perform more maintenance in-house. Another smaller vehicle replacement is also scheduled.
- **Small Capital Projects.** This incorporates several smaller scale "capital" projects/purchases that had been deferred from the previous year, seeing a small decrease of \$26,000 over what is typically budgeted for Small Capital.

- **Infrastructure Improvements.** This incorporates several projects/purchases relating to plant infrastructure, and is seeing a slight increase than what is typically budgeted due to planning rehabilitate the bridge located on the main plant site.
- **Plant Equipment Rehabilitation.** This majority of this item includes small rehab project, with a significant increase this year due to the continuing capital rehabilitation of the North Regional Interceptor. That work is expected to be completed in CY2024, at which time, this budget item should return to its normal level of around \$600,000.
- **Other major projects** expected to occur in CY2024 are the construction of the Primary Clarifier/Gravity Thickener Improvements and associated engineering (\$6M & \$600, respectively), Administration parking lot and Bemis Road reconstruction (\$500,000), updating the Facility Plan (\$200,000), Planning/Bidding of the Intermediate Pump Station and Clarifier Rehabilitation (\$200,000), and design/construction to connect primary sludge feed lines directly to the anaerobic digesters (\$460,000 total between design/construction).

## **Operations & Maintenance 270**

- **Salaries – Regular;** Increased 4.6% (\$70,000). Reflects existing rates of pay at a 5% increase
- **Salaries – Temporary/Seasonal;** Increased 28.6% (\$4,000). Reflects 2 seasonal workers, at \$16/hour, for 14 weeks
  - Typical seasonal position is closer to 12 weeks; however, past workers have expressed interest in coming back during winter break to work, which would be beneficial to GWA
- **FICA –** Increased 4.4% (\$5,661). Reflects 7.65% FICA on pay rates
- **IMRF –** Increased 12% (\$8,126). Reflects 4.54% IMRF on pay rates for just regular salaries (and OT)
- **Tuition Reimbursement –** This is a new budget account to designate specific funds for tuition reimbursements
- **Dues/Subscriptions/Fees –** Increased 7.8% (\$1,304) Added Midwest Biosolids Association and ISAWWA memberships, and CY2024 is budgeted for the bi-annual renewal of the FAA license needed to fly GWA's drone
- **Employee Education –** Increased 26.7% (\$4,900). Reflects additional costs for WEFTEC being in New Orleans instead of Chicago, as well as staff attendance at conferences to stay current with new requirements for licenses. In addition, since COVID, attendance for conferences has seen an increase in price, as well as any travel/lodging associated with it.

- **DuPage River/Salt Creek Workgroup Membership** – Increased 3% (\$1,087). Standard membership fees increase 3%/year.
- **Audit Fees** – **Decreased 15.3% (\$2,500)**. Per Village of Glen Ellyn Finance.
- **Liability Insurance** – **Decreased 2.1% (\$3,000)** based on feedback from Village of Glen Ellyn Finance
- **Health Insurance** – **Decreased 0.4% (\$1,100)** based on feedback from Village of Glen Ellyn Finance
- **Building & Grounds Support/Contractual** – Increased 19.9% (\$11,215). The main plant and CSO landscaping contract expire at the end of the CY2023 season causing a slight increase, however, the main contributor of the increase was the \$8,000 inserted for fence line cleanup, as a large amount of overgrowth has occurred in recent years. This is anticipated to be a one-time cost.
- **Maintenance Equipment** – Increased 23.4% (\$27,850). Main contributor is the 12,000-hour service interval on the CHP engines (\$25,000). Small increases in other various maintenance of equipment per trends.
- **Maintenance Support/Contractual** – **Decreased 27.8% (\$20,350)**. The main contributor is the reduction in the Village of Glen Ellyn Fleet Services fees (\$17,800 reduction) due to credit for interest income from the Village of Glen Ellyn's vehicle replacement fund (which the Authority does not contribute to) and a credit for surplus equipment sold (which also does not include any Authority surplus equipment sales).
- **Electric Support/Contractual** – Increased 6.8% (\$16,498). The new RJN Flow Monitoring contract that took effect in CY23 accounts for most of the increase (but was not included in budget since it wasn't approved until 12/22). Other various increases in support/license agreements, as well as some new support contracts. \$5,000 was also added for IT disaster recovery.
- **Operations Supplies** – Increased 32.7% (\$5,600). Various material price increases; PRV's covers, belts for the belt filter press, etc.
- **Operations Support/Contractual** – Increased 50% (\$4,000). Added a "miscellaneous operational support" line item for various needs that Operations has incurred over the past several years.
- **Overhead Fees** – **Decreased by 6.4% (\$9,343)**. Per discussions with Village of Glen Ellyn Finance, this was based off a new calculated number. Typically, the Chicago CPI-U at 12/31 of previous year was used from year to year, however, the Intergovernmental Agreement that forms the Authority requires the Finance Directors recalculate this number every 3 years. This number was last recalculated in CY2015.

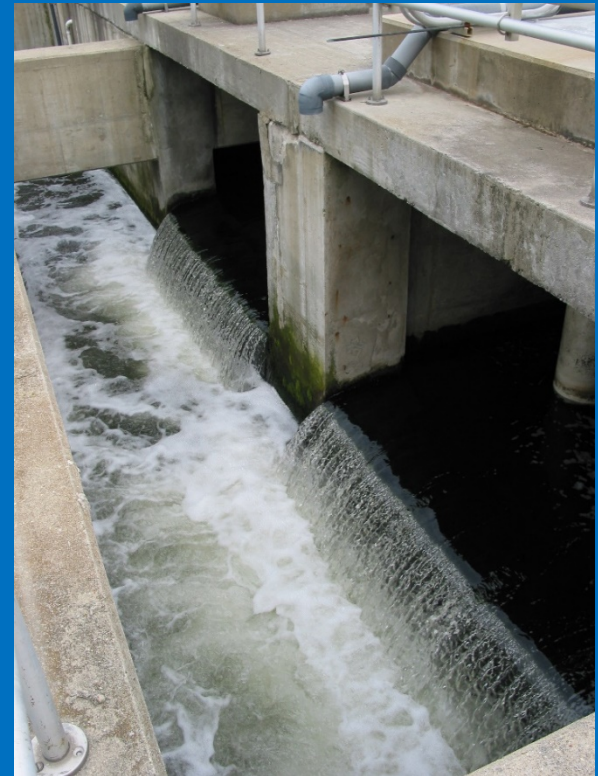
- **Sludge Disposal** – Increased 67.4% (\$155,000). The Authority’s existing sludge hauling contract expires in the first quarter of 2024, and due to the new prevailing wage act that passed through the state legislation in 2023, it’s known that these costs will increase significantly. The Authority polled neighboring facilities who have bid out these services within the past year (when the new law has been anticipated), this budget number is based off the higher (75<sup>th</sup> percentile) end of the bid results.
- **Telecommunications** – Increased 9.5% (\$2,500). A large portion of this was due to service price increases from providers. In addition, all Authority staff has cell phones in lieu of walkie talkies moving forward, giving staff greater abilities to communicate, and not use their own personal phones. This will generate a return on investment in capital costs for radio replacements.
- **Natural Gas** – Increased 84.6% (\$55,000). New supply price of \$4.671/dt will take effect 3/2024 over the old historically low price of \$2.83/dt
- **Water** – **Decreased 25% (\$5,000)**. The decommissioning of the Ecosorb system will result in an overall water savings, which is a significant increase of potable water usage during non-freezing temperatures (April – Oct/Nov).
- **Backup Generator Natural Gas** – Increased 33.3% (\$2,000). A result of the new Natural Gas supply contract cost.
- **Pretreatment expenses** – **Decreased 80.4% (\$36,200)**. Per the Authority’s National Pollutant Discharge Elimination System Permit received in February 2023, a local limits study was required to be completed within 24 months of the permit issuance. That study was budgeted for in this item and concludes in the fall of 2023, however, moving forward this will be an additional \$4,800 higher than its previous years amount – as the Authority will continue a smaller amount of annual sampling related to the next local limits study softening the needs for a larger amount of expenses all in one year.
- **Safety** – **Decreased 11.5% (\$3,000)**. In CY2023 the Authority budgeted to hire a consultant to come in and perform an OSHA inspection. This inspection will have been completed by CY2024
- **Chemicals** – Increased 1% (\$2,000). This is due to chemical cost increases
- **Liquid Oxygen** – Increased 6.0% (\$20,000). Unit prices increase 5%/year, which came to a \$16,750 increase, however, this cost was rounded up since this is also based on usage, which varies dependent on flow conditions.
- **Uniforms** – Increased 20% (\$1,000). This number has not been updated since prior to 2015, so this primarily reflects inflation, but also that staff is offered a wider option of uniforms to select from to take into account working conditions, weather, and gender.

- Stormwater Plant & Hill Avenue Lift Station Budget: A 2.3% increase (\$4,332) is primarily due to an increase in budgeted amount for Natural Gas as a result of the new Natural Gas Supply contract.
- NRI/St. Charles Road Lift Station Budget: No changes
- SRI/Valley View Lift Station Budget: No Changes

The budget has an O&M increase of 6.71% (\$329,247). The budgets overall increase including capital is 4.3% or \$379,256 over the CY2023 budget.

It is requested that the EOC motion to authorize approval of the CY2024 GWA Budget to the Full Boards of Glen Ellyn and Lombard.





**Glenbard  
Wastewater  
Authority  
CY2024 Budget**





November 13, 2023

President Keith Giagnorio and  
Members of the Glenbard Wastewater Authority Board  
Glen Ellyn, Illinois 60137

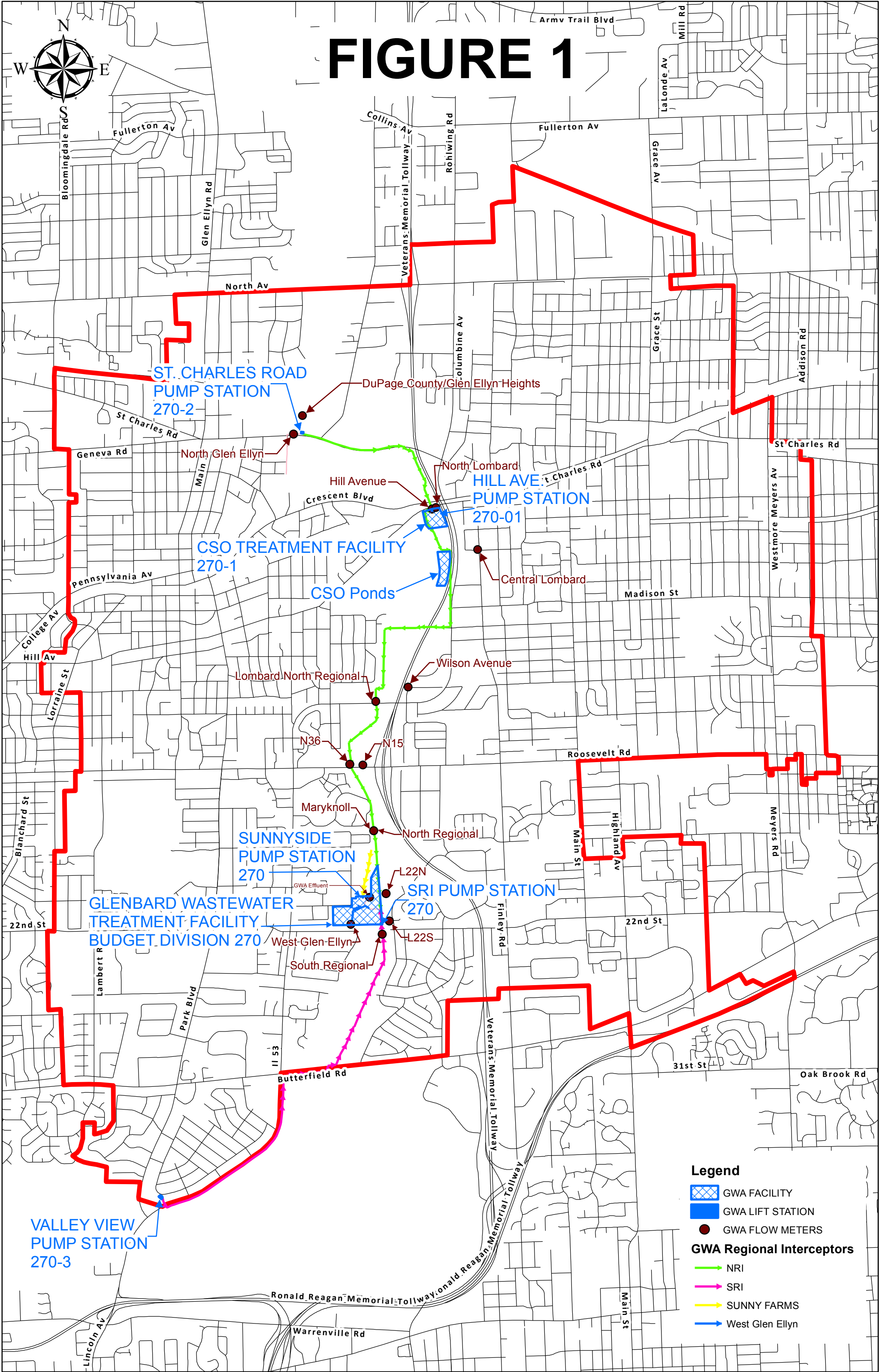
Subject: January 1, 2024 - December 31, 2024 Glenbard Wastewater Authority  
Budget (CY2024)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) CY2024 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 CY2024 partner allocation shows an overall increase of \$376,256, or 4.3%, compared to the approved CY2023 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 bond. 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 most current form of the 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 1<sup>st</sup> to December 31<sup>st</sup> 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:

	<b>Estimated CY2023</b>	<b>Proposed CY2024</b>
Division		
270 - Glenbard Plant	\$4,606,260	\$4,995,765
SRI L.S		
Sunnyside L.S		
270-1 - Stormwater Plant	\$ 155,129	\$ 191,918
Hill Ave. L.S		
270-2 - N. Reg. Int.	\$ 30,835	\$ 32,850
St. Charles Rd. L.S		
270-3 - S. Reg. Int.	\$ 26,756	\$ 23,700
Valley View L.S		
	-----	-----
	\$4,818,980	\$5,244,233

### Cash Reserves / Working Cash

#### CY 2023

Cash Reserves at January 1, 2023	<u>1,495,044</u>
CY22 Projected Surplus/(Deficit)	<u>121,006</u>
Projected Cash Reserves at December 31, 2023	<u>1,616,050</u>
Less: Estimated Encumbrances at December 31, 2022	<u>0</u>
Projected Working Cash at December 31, 2023	<u>1,616,050</u>
Less: CY23 Required Minimum Working Cash	<u>(1,228,746)</u> *
<b>Projected Working Cash Surplus at December 31, 2023</b>	<b><u>387,304</u></b>

### Cash Reserves / Working Cash

#### CY 2024

Projected Cash Reserves at December 31, 2023	<u>1,616,050</u>
CY24 Projected Surplus/(Deficit)	<u>0</u>
Projected Cash Reserves at December 31, 2024	<u>1,616,050</u>
Less: Estimated Encumbrances at December 31, 2023	<u>0</u>
Projected Working Cash at December 31, 2024	<u>1,616,050</u>
Less: CY2023 Required Minimum Working Cash	<u>(1,311,058)</u> **
<b>Projected Working Cash Surplus at December 31, 2023</b>	<b><u>304,992</u></b>

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

\*\* 25% of CY24 Operating Expenses of \$5,244,233

The seven most significant cost centers in the proposed CY2024 O&M budget are as follows:

1. **Personnel:** The CY2024 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
CY23	\$1,870,648	\$1,850,239	19.00 (Estimated)
CY24	\$1,958,435		19.00 (Budgeted)

2. **O&M:** Expenses are budgeted in the amount of \$1,070,888. 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	\$522,580	
CY23	\$650,400	(Estimated)
CY24	\$708,900	(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 CY2024 budget is proposed at a cumulative amount of \$450,419. 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 \$141,600 per year which includes upgraded flow meters, data analysis and meter maintenance fees.

5. **Insurance:** Expenses are budgeted in the amount of \$395,900 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 \$355,000.
7. **Fees:** Expenses are budgeted in the amount of \$304,691. Fees include payments for service, memberships, or regulatory fees during CY2024.

## **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.

	<b>Estimated CY2023</b>	<b>Proposed CY2024</b>
Fund 40 – Equip. Replacement		
Debt Payment	\$ 1,780,719	\$ 1,659,913
Project Expenses	\$ 2,005,674	\$10,816,999
Property Acquisition	\$ 0	\$ 550,000
Total	\$3,786,393	\$13,026,912

Proposed CY2024 capital expenses of \$13,026,912 are 244% or higher than the CY2023 estimated capital expenses of \$3,786,393. CY2023 saw a significant decrease in capital projects, with several larger projects scheduled to begin in CY2024. Therefore, the increase reflects that no major capital improvements projects occurred during CY2023, whereas the approximately \$6M Primary Clarifier Project is scheduled for CY2024.

## **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 CY2024 a five-year average flow split of 40.90% (Glen Ellyn) and 59.10% (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 CY2024 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:

	<b>Budgeted CY2023</b>	<b>Proposed CY2024</b>
Village of Lombard	\$2,932,691	\$3,093,432
Village of Glen Ellyn	<u>\$1,972,295</u>	<u>\$2,140,801</u>
<b><i>Total</i></b>	<b><i>\$4,904,985</i></b>	<b><i>\$5,234,233</i></b>

The overall O&M contribution by the two Villages has increased by \$329,247 or 6.71% more than the CY2023 budget. The allocation to the Villages for the support of the O&M portion of the budget is \$5,234,233. The allocation to the Villages for support of the proposed Capital Fund is \$3,807,671.

### **CONCLUSION**

The total proposed CY2024 budget and comparisons are as follows:

	<b>Budgeted CY2023</b>	<b>Proposed CY2024</b>
O&M	\$ 4,914,985	\$ 5,244,233
<u>Capital</u>	<u>\$ 12,307,769</u>	<u>\$ 13,026,912</u>
Total	\$ 17,222,754	\$ 18,271,145

Respectfully Submitted,



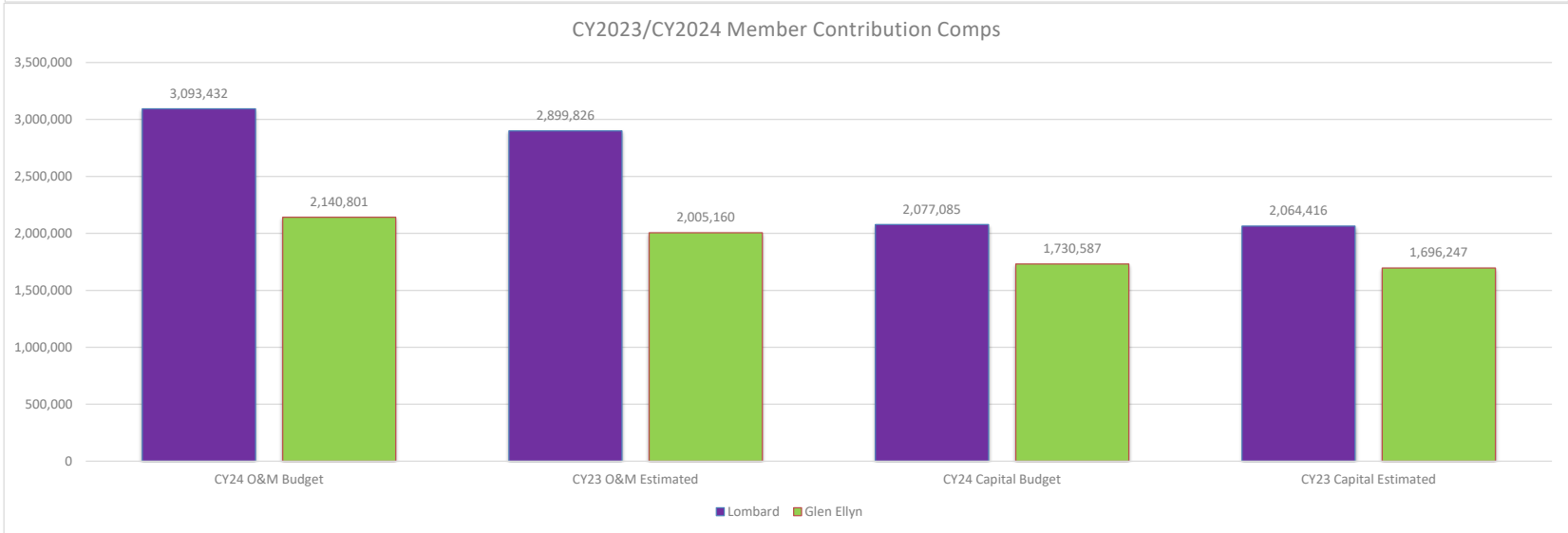
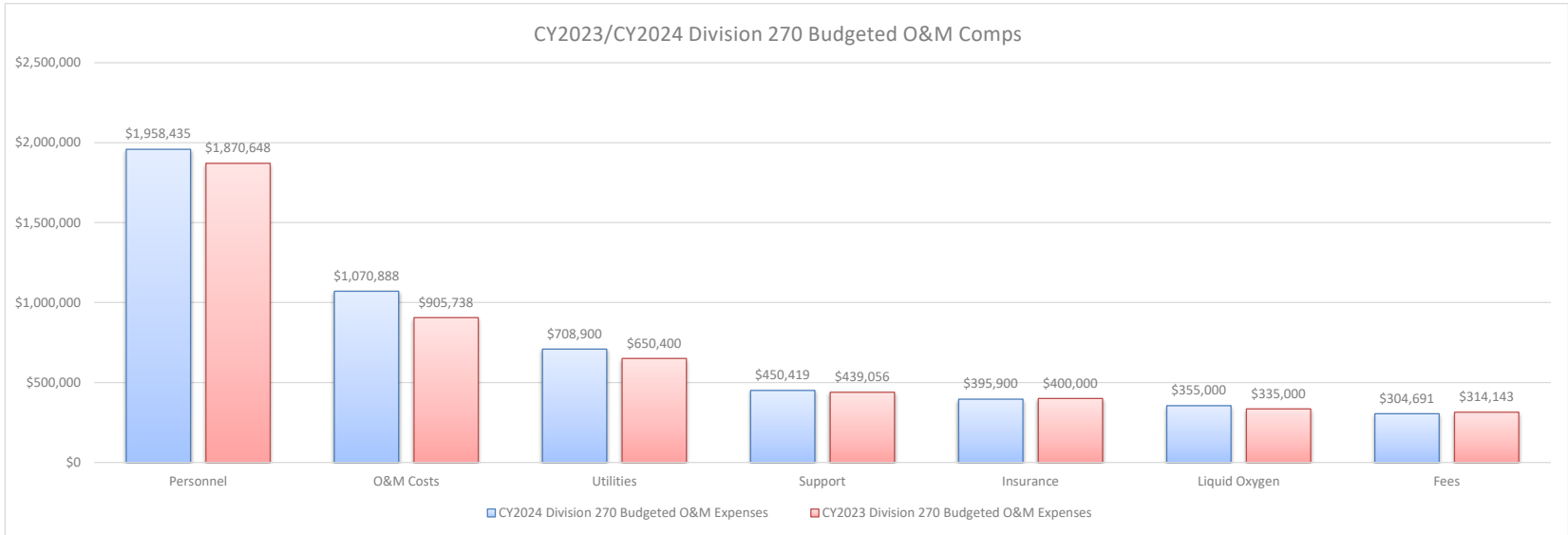
Matt Streicher, P.E. BCEE, PO, ENV SP  
Executive Director  
Glenbard Wastewater Authority

Glenbard Wastewater Authority  
 Budget CY2024  
 All Funds  
 Expense Allocation to Partners

APPROVED CY2023 EXPENSES ALLOCATED TO PARTNERS			
	LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund	2,932,691	1,972,295	4,904,985
<b>TOTAL O&amp;M BUDGET</b>	<b>2,932,691</b>	<b>1,972,295</b>	<b>4,904,985</b>
<b>CAPITAL EQUIPMENT REPLACEMENT FUND</b>	<b>2,064,416</b>	<b>1,696,247</b>	<b>3,760,663</b>
<b>TOTAL O&amp;M AND CAPITAL BUDGETS</b>	<b>4,997,107</b>	<b>3,668,542</b>	<b>8,665,648</b>
ESTIMATED ACTUAL CY2023 EXPENSES ALLOCATED TO PARTNERS			
	LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	2,754,083	1,852,177	4,606,260
270-1 -- Stormwater Plant / Hill Ave L.S.	92,751	62,377	155,129
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	18,436	12,399	30,835
270-3 -- South Reg. Int. / Valley View L.S.	15,998	10,759	26,756
<b>TOTAL O&amp;M BUDGET</b>	<b>2,881,268</b>	<b>1,937,712</b>	<b>4,818,980</b>
<b>CAPITAL EQUIPMENT REPLACEMENT FUND</b>	<b>2,064,416</b>	<b>1,696,247</b>	<b>3,760,663</b>
<b>TOTAL O&amp;M AND CAPITAL BUDGETS</b>	<b>4,945,684</b>	<b>3,633,959</b>	<b>8,579,643</b>
<b>CY2023 BUDGET OVER (UNDER)</b>	<b>(51,422)</b>	<b>(34,583)</b>	<b>(86,005)</b>
PROPOSED CY2024 PARTNERS ALLOCATION			
	LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund	3,093,432	2,140,801	5,234,233
<b>TOTAL O&amp;M BUDGET</b>	<b>3,093,432</b>	<b>2,140,801</b>	<b>5,234,233</b>
<b>CAPITAL EQUIPMENT REPLACEMENT FUND</b>	<b>2,077,085</b>	<b>1,730,587</b>	<b>3,807,671</b>
<b>TOTAL O&amp;M AND CAPITAL BUDGETS</b>	<b>5,170,516</b>	<b>3,871,388</b>	<b>9,041,904</b>
Proposed CY2024 Partners Allocation Compared to Approved Expenses Allocated to Partners CY2023:			
Operation & Maintenance	\$160,741 5.48%	\$168,507 8.54%	\$329,247 6.71%
Capital Improvements	\$12,669 0.61%	\$34,340 2.02%	\$47,008 1.25%
<b>Total O&amp;M and Capital Budgets</b>	<b>\$173,410 3.5%</b>	<b>\$202,846 5.5%</b>	<b>\$376,256 4.3%</b>

Glenbard Wastewater Authority Budget CY2024 Operations & Maintenance				
SUMMARY BY DIVISION				
Expense Allocation to Partners REVENUES	Actual CY2022	Budgeted CY2023	Estimated CY2023	Budgeting CY2024
Div. 270 -- Glenbard Wastewater Authority	4,653,218	4,904,985	4,904,986	5,234,233
Interest O&M Fund	12,447	10,000	35,000	10,000
Miscellaneous Revenue	4,050	0	0	0
IRMA Reimbursement	0	0	0	0
<b>Total Revenues</b>	<b>4,669,715</b>	<b>4,914,985</b>	<b>4,939,986</b>	<b>5,244,233</b>
EXPENSES	Actual CY2022	Budgeted CY2023	Estimated CY2023	Budgeting CY2024
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	4,258,848	4,670,517	4,606,260	4,995,765
270-1 -- Stormwater Plant / Hill Ave L.S.	129,251	187,918	155,129	191,918
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	28,109	32,850	30,835	32,850
270-3 -- South Reg. Int. / Valley View L.S.	13,581	23,700	26,756	23,700
<b>Total O&amp;M Expense:</b>	<b>4,429,789</b>	<b>4,914,985</b>	<b>4,818,980</b>	<b>5,244,233</b>
Village of Glen Ellyn O&M Expenditures	1,796,279	1,976,316	1,967,590	2,144,891
Village of Lombard O&M Expenditures	2,633,509	2,938,670	2,851,391	3,099,342
<b>Budget (Over) Under</b>	<b>239,926</b>	<b>0</b>	<b>121,006</b>	<b>0</b>
Use of Available Cash				

Glenbard Wastewater Authority CY2024 Total Budget				
	Actual CY2022	Budgeted CY2023	Estimated CY2023	Budgeting CY2024
<b>Operations &amp; Maintenance</b>	\$4,429,789	\$4,914,985	\$4,818,980	\$5,244,233
<b>Capital Costs</b> (Expenses & Debt Repayment)	\$4,108,837	\$12,307,769	\$3,786,393	\$13,026,912
<b>TOTAL</b>	<b>\$8,538,625</b>	<b>\$17,222,754</b>	<b>\$8,605,373</b>	<b>\$18,271,145</b>



**DIVISION 270  
GLENBARD PLANT  
and  
THE SRI LIFT STATION  
and  
SUNNYSIDE LIFT STATION  
O&M NARRATIVE**

Division 270 is the main treatment facility. The facility treats, on average, 12 million gallons per day (MGD). The flow is conveyed via two interceptors:

- ~The North Regional Interceptor (SRI)
- ~The South Regional Interceptor (NRI)

These interceptors end at a junction chamber that is located on the eastern property line. Once they have reached the junction chamber, one 60" sewer conveys the flow under the East Branch of the DuPage River and into the GWA Treatment Facility. The 22<sup>nd</sup> Street sewer pipe also conveys flow to the junction chamber, but is not considered an interceptor since it is the property of the Village of Lombard.

The SRI Lift Station is located on the southeastern corner of the Glenbard Plant. The station was built in 1992 to alleviate the overpowering flow of wastewater from the NRI that created sanitary sewer overflows of the South Regional Interceptor. The wastewater that is pumped through the SRI Lift Station is conveyed to the station by the South Regional Interceptor which receives flow 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.

The Sunnyside Lift Station which was built in 1979 as part of the re-aligning of the North Regional Interceptor (NRI) during the construction of the new Glenbard Wastewater Authority Treatment Facility. The NRI at the time was on the west side of the East Branch of the DuPage River. The construction of the new Glenbard plant re-aligned the NRI to the east side of the East Branch of the DuPage River. The homeowners that had laterals leading directly to the NRI needed to be serviced, so the creation of the Sunnyside Lift Station came to be. The lift station serves less than twelve residents along Sunnybrook Road.

Flow through the Glenbard Plant is billed to both the Village of Lombard and the Village of Glen Ellyn based on monthly flow billing.

**Budget CY2024****Operations & Maintenance****Division 270****Expense Allocation to Partners****REVENUE**

		<b>Actual CY2022</b>	<b>Budgeted CY2023</b>	<b>Estimated CY2023</b>	<b>Budgeting CY2024</b>
<b>Operation/Maintenance</b>					
450010	Glen Ellyn Share - 40.90%	1,874,866	1,972,295	2,005,160	2,140,801
450015	Lombard Share - 59.10%	2,778,352	2,932,691	2,899,826	3,093,432
	Partners Allocation	4,653,218	4,904,985	4,904,986	5,234,233
<b>Interest Income - O&amp;M Fund</b>		<b>12,447</b>	<b>10,000</b>	<b>35,000</b>	<b>10,000</b>
<b>Misc. Revenue</b>		<b>4,050</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IRMA Reimbursement</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>DIVISION 270</b>		<b>4,669,715</b>	<b>4,914,985</b>	<b>4,939,986</b>	<b>5,244,233</b>

NOTE: The flow splits used to calculate partner payments for CY2024 are as follows:

Flow Split for Glen Ellyn: 40.90%

Flow Split for Lombard 59.10%

(for 5 yrs. Average ending 12/31/22)

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)



**Budget CY2024**  
**Operations and Maintenance**  
**Division 270**  
**Expense Allocation to Partners**

Footnotes

**EXPENSES**

		Actual CY2022	Budgeted CY2023	Estimated CY2023	Budgeting CY2024	% Difference CY23-CY24	\$ Difference CY23-CY24
<b>Personnel Services</b>							
510100	Salaries - Regular	1,419,382	1,530,000	1,540,067	1,600,000	4.6%	70,000
510110	Salaries - Part-Time Ops.	43,193	65,000	53,791	65,000	0.0%	0
510200	Salaries - Overtime	50,209	66,000	62,192	66,000	0.0%	0
510300	Salaries - Temporary/Seasonal	18,921	14,000	5,520	18,000	28.6%	4,000
510400	FICA	112,814	128,138	123,228	133,799	4.4%	5,661
510500	IMRF	96,808	67,511	65,441	75,636	12.0%	8,126
	State Unemployment	0	0	0	0	0.0%	0
	<b>Total</b>	<b>1,741,326</b>	<b>1,870,648</b>	<b>1,850,239</b>	<b>1,958,435</b>	<b>4.7%</b>	<b>87,787</b>
<b>Contractual Services and Commodities</b>							
520304	Tuition Assistance	0	0	0	8,000	0.0%	8,000
520305	Employee Recognition	0	1,000	1,000	1,000	0.0%	0
520600	Dues/Subs./Fees	11,734	12,880	10,784	14,184	10.1%	1,304
520615	Recruiting/Testing	3,851	1,000	700	1,000	0.0%	0
520620	Employee Education	15,131	27,300	27,000	32,200	17.9%	4,900
520625	Travel (Mileage)	128	300	280	300	0.0%	0
520700	Pro. Serv.-Legal Support	4,156	15,000	32,000	15,000	0.0%	0
520750	Legal Notices	537	1,000	587	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	35,163	36,218	36,218	37,305	3.0%	1,087
520806	Pro. Serv.-Lab Support	26,173	27,500	25,000	27,500	0.0%	0
520816	External Consulting Fees	29,393	30,000	23,000	30,000	0.0%	0
520825	Audit Fees / Pro. Serv. - Acct.	13,000	16,300	16,300	13,800	-15.3%	(2,500)
520885	Insurance - Liability (MICA)	124,479	140,000	123,690	137,000	-2.1%	(3,000)
520893	Wellness/Health Incentives	0	0	600	0	0.0%	0
520895	Insurance - Health	242,955	260,000	247,708	258,900	-0.4%	(1,100)
520970	Maint. - Bldg. & Grds.	2,812	9,950	9,800	9,950	0.0%	0
520971	Bldg. & Grounds - Support	31,112	56,450	43,696	67,665	19.9%	11,215
520975	Maint. - Equipment	182,402	119,188	180,206	147,038	23.4%	27,850
520976	Maint. - Support	63,109	73,300	130,596	52,950	-27.8%	(20,350)
520980	Maint. - Electronics	62,759	64,000	56,276	64,000	0.0%	0
520981	Elect. - Support	215,504	243,638	216,613	260,136	6.8%	16,498
520990	Operations - Supplies	7,182	17,100	16,718	22,700	32.7%	5,600
520991	Operations - Support	10,469	8,000	10,378	12,000	50.0%	4,000
521055	Professional Services - Other Support	0	4,000	0	4,000	0.0%	0
521130	Overhead Fees	139,238	145,504	145,500	136,161	-6.4%	(9,343)
521150	Sludge Disposal - Land Applied	220,954	230,000	226,867	385,000	67.4%	155,000
521195	Telecommunications	28,033	26,400	23,964	28,900	9.5%	2,500
521201	Electric Power	346,402	450,000	380,540	450,000	0.0%	0
521202	Natural Gas	62,336	65,000	68,548	120,000	84.6%	55,000
521203	Water	20,498	20,000	14,451	15,000	-25.0%	(5,000)
521204	Self-Gen Gas	6,736	6,000	5,899	8,000	33.3%	2,000
530100	Office Expenses	13,540	14,000	13,909	14,000	0.0%	0
530106	Operating Supplies - Lab	15,911	17,500	15,589	17,500	0.0%	0
530107	Pretreatment Expenses	0	45,000	43,295	8,800	-80.4%	(36,200)
530200	Administrative Purchases	0	1,000	1,000	1,000	0.0%	0
530225	Safety	27,142	26,100	24,519	23,100	-11.5%	(3,000)
530440	Chemicals	141,826	196,000	189,981	198,000	1.0%	2,000
530443	Liquid Oxygen	353,032	335,000	331,684	355,000	6.0%	20,000
530445	Uniforms	7,084	5,000	7,884	6,000	20.0%	1,000
	<b>Total</b>	<b>2,517,522</b>	<b>2,799,869</b>	<b>2,756,022</b>	<b>3,037,330</b>	<b>8.5%</b>	<b>237,461</b>
<b>TOTAL DIVISION 270</b>		<b>4,258,848</b>	<b>4,670,517</b>	<b>4,606,260</b>	<b>4,995,765</b>	<b>7.0%</b>	<b>325,247</b>

## **CY2024 DIVISION 270 O&M FOOTNOTES**

**(1) SALARIES (\$1,600,000):**

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. The item also covers the Part-Time Laborer position, a 20/week position, and temporary administrative assistance for when the Executive Assistant is absent.

**(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 (\$18,000):**

This budget number includes 2 seasonal workers

**(5) EMPLOYEE EDUCATION (\$32,200):**

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 CY24 WEFTEC will be in New Orleans instead of Chicago (every other year rotation), therefore, additional costs are associated with attendance.

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

This item 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. The CY2023 estimated/actual costs far exceeded this number due to an unforeseen United States Environmental Protection Agency Performance Compliance Inspection that resulted in the need for representation

**(7) DUPAGE RIVER SALT CREEK WORK GROUP (\$37,305):**

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 CY2024. In addition, more funds are being budgeted in this account due to the Authority only having one engineer on staff, who is also the Director, and therefore will have greater needs for consulting engineering services.

**(9) AUDIT FEES (\$13,800):**

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 CY2023 financials.

**(10) INSURANCE LIABILITY (\$137,000):**

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 2.1% decrease over what was in the CY2023 budget. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.

**(11) INSURANCE HEALTH (\$258,900):**

Health care is provided through the Village of Glen Ellyn insurance plan. This line item reflects a \$1,100 from the CY2023 budget number of \$260,000.

**(12) MAINTENANCE SUPPORT (\$52,950):**

This line item reflects work previously budgeted in the Maintenance-Contractual line item. This represents a \$20,350 decrease from the CY2023 budget number of \$73,300, \$17,800 of which is a decrease on Equipment Services Support from the Village of Glen Ellyn, as the Authority benefited from credit for interest income from the Village of Glen Ellyn's vehicle replacement fund (which the Authority does not contribute to) and a credit for surplus equipment sold (which also does not include any Authority surplus equipment sales).

**(13) ELECTRICAL SUPPORT (\$260,136)**

This line item reflects a 6.8% increase in CY2024 compared to CY2023 budget number of \$243,638. The increase is solely attributed to increased annual service charges from contractual services, including a \$9,600 increase in the Flow Meter contract that determines the flow split. The price for that contract had not increased for the past 6 years, and it was renewed in CY2023.

**(14) OVERHEAD FEES (\$136,161):**

Overhead fees per the Intergovernmental Agreement (IGA) are based on the annually published CPI-U Chicago increases, but are to be recalculated every 3 years. This year, the Finance Directors for the member Villages reviewed the demands of the Authority regarding the Operating Agency's responsibility for oversight and performed that recalculation. The last time it had been done was 2015.

**(15) SLUDGE DISPOSAL FEES (\$385,000):**

Sludge disposal fees had been calculated based the bid price that was obtained in CY2021 for a 3-year contract, and estimated volume of sludge produced. The Authority will need to rebid this contract in CY2024, and estimates a significant increase in costs due to a recent Illinois Bill that passed requiring prevailing wages for biosolids hauling/spreading. Although all public works related work already had prevailing wage requirements, this type of work had not previously been recognized as public works related work. This cost includes the costs of hauling sludge off plant site daily in order to better mitigate odors.

**(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 CY2024.

**(17) NATURAL GAS (\$120,000):**

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. These were historically low rates. In CY2023, after competitively procuring prices, the Authority found the low price of \$4.671 per dekatherm, as

the new contract will begin in March 2024. This is a higher cost than our previous contract, therefore, additional funds have been inserted into the budget

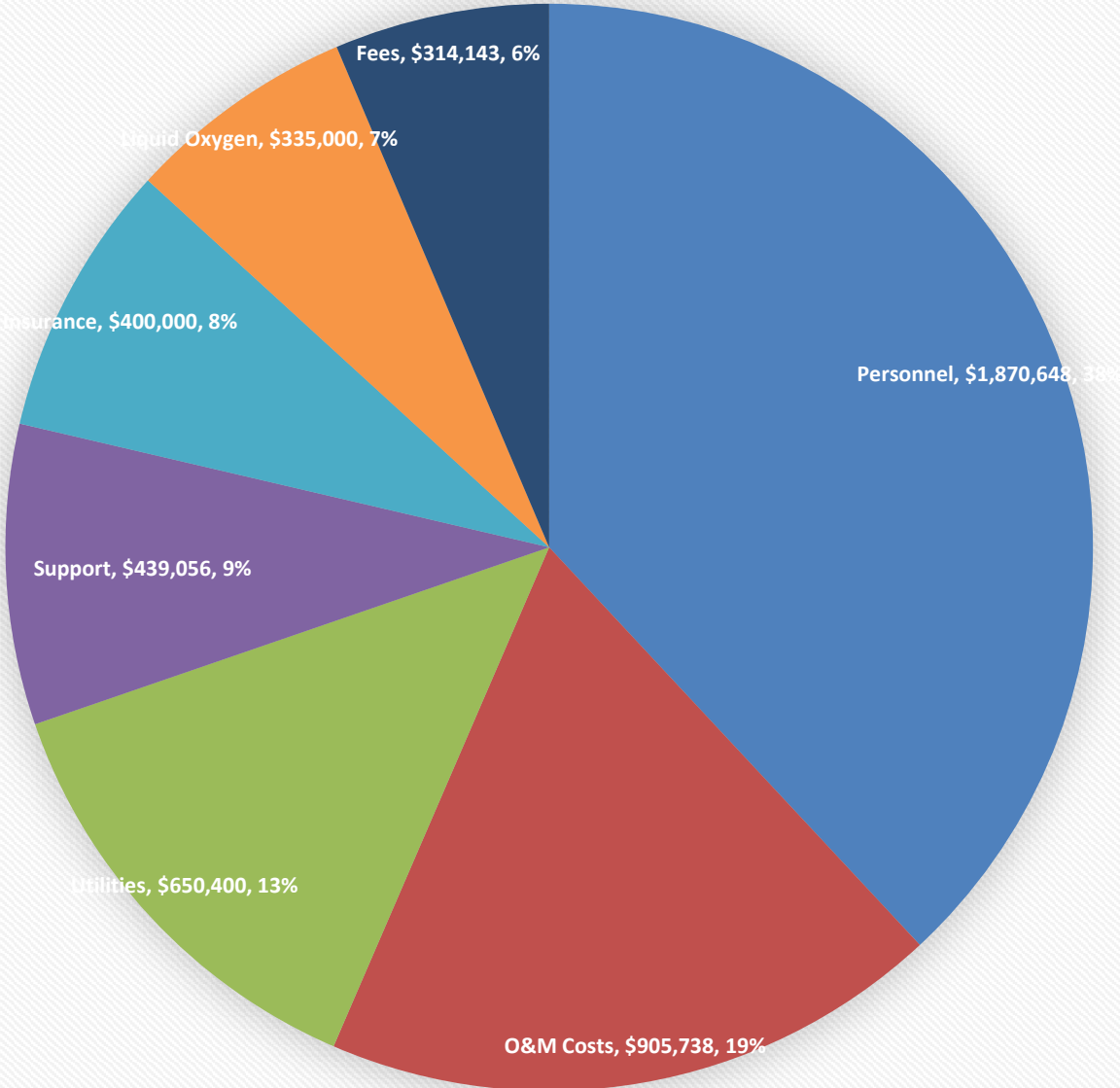
**(18) CHEMICALS (\$198,000):**

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 (\$355,000)**

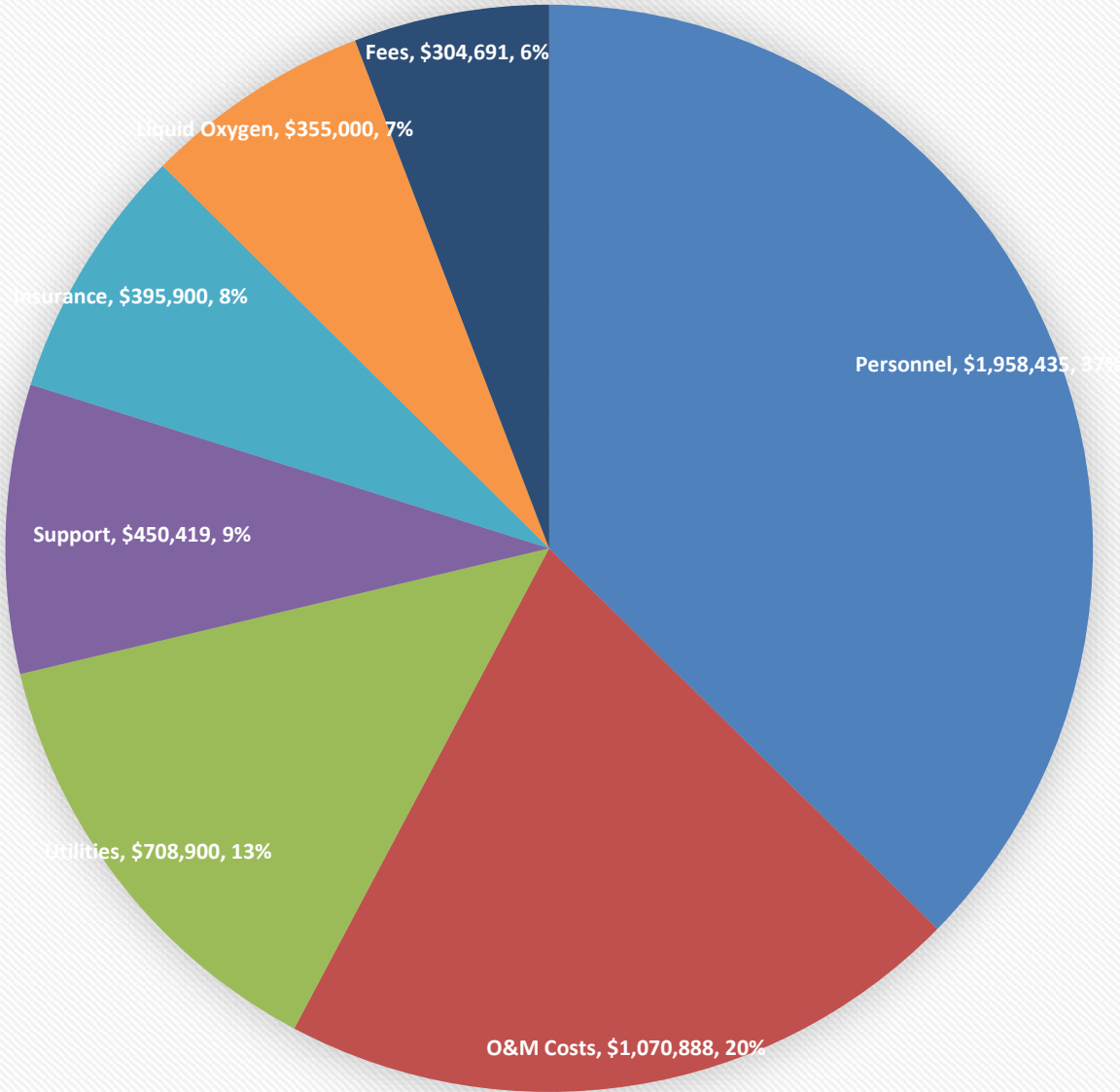
In CY2018 the Authority began to haul in pure oxygen from an outside provider. The transition to hauling it from an outside provider has allowed the Authority to start using less energy, while still operating the high purity oxygen system, and gave the ability to fine tune operations prior to converting 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 CY2027.

CY2023 O&M Expenses



■ Personnel ■ O&M Costs ■ Utilities ■ Support ■ Insurance ■ Liquid Oxygen ■ Fees

CY2024 O&M Expenses



■ Personnel ■ O&M Costs ■ Utilities ■ Support ■ Insurance ■ Liquid Oxygen ■ Fees

**Glenbard Wastewater Authority**  
**CY2024 Personnel Budget**  
**Division 270 -- 510100-510500**

	Item	Comments	CY23 Budgeted	CY24 Budgeting
510100	Salaries - Regular		1,530,000	1,600,000
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	18,000
			<hr/>	<hr/>
			Salaries Regular, PT Ops & Seasonal	1,609,000
			Salaries Overtime (3)	66,000
			<hr/>	<hr/>
			<b>Salaries</b>	<b>1,675,000</b>
				<b>1,749,000</b>
510400	FICA - 7.65%		128,138	133,799
510500	IMRF - 4.54%		67,511	75,636
			<hr/>	<hr/>
			<b>Personnel Services</b>	<b>\$1,870,648</b>
				<b>\$1,958,435</b>



Glenbard Wastewater Authority  
CY2024 Recognition/Awards Budget  
270 520305

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Tuition Assistance	Tuition Assistance			8,000	
Total			\$0		\$8,000

**Glenbard Wastewater Authority**  
**CY2024 Recognition/Awards Budget**  
**270 520305**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Recognition/Awards	Miscellaneous (Manager's Discretion)	1,000		1,000	
<b>Total</b>			<b>\$1,000</b>		<b>\$1,000</b>

**Glenbard Wastewater Authority**  
**CY2024 Dues/Fees/Subscriptions Budget**  
**270 520600**

<b>Item</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Dues/Fees/Subs.	Water Environment Federation - Memberships	2,000		2,000	
	WEF - Publications	0		0	
	NACWA	1,100		1,100	
	IAWA	5,000		5,100	
	Midwest Biosolids Association	0		500	
	ISAWWA			250	
	SHRM Membership (Gayle)	0		244	
	International Society of Automation	130		140	
	Conservation Foundation	250		250	
	FAA Bi-Annual Renewal (\$600, CY24)	0		600	
	License Renewals-Drivers/Electrician/Engineering	1,000		1,000	
	Julie - Locating Services	500		500	
	Newspaper Subscriptions	1,700		2,000	
	Various Memberships (Amazon, Costco, etc.)	500		500	
			<b>\$12,180</b>		<b>\$14,184</b>

**Glenbard Wastewater Authority**  
**CY2024 Recruit/Test Budget**  
**270 520615**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Recruiting/Testing	Pre-Employment Screening	1,000		1,000	
			1000		1000

**Glenbard Wastewater Authority  
CY2024 Employee Training/Education Budget  
270 520620**

		<b>CY23 Budgeted</b>	<b>CY24 Budgeting</b>
<b>Administration</b>	<b>Employee Education - Administration</b>		
	WEFTEC -- New Orleans, LA		
	Streicher	1,000	2,500
	Henning	1,000	2,500
	CSWEA. IWEA, IAWA (Meetings/Conferences)	5,000	5,000
	NACWA Pretreatment Conference - Staat	1,500	3,000
	IPSI - Illinois Public Sector Institute Training:		
	Streicher - Year 3 of 3 year training program	1,500	2,000
<b>Operations</b>	<b>Employee Education - Operations (5 Operators)</b>		
	WEFTEC -- New Orleans, LA	200	0
	IPSI - Illinois Public Sector Institute Training		
	Operator - Year 1 of 3 year training program	1,500	0
	Dillmann - Year 2 of 3 year training program	1,500	2,000
	Misc Tech Seminars	2,000	2,000
	Central States WEA, IAWA State Conferences	2,000	4,000
<b>Maintenance</b>	<b>Employee Education - Maintenance</b>		
	WEFTEC -- New Orleans, LA	200	0
	Facilities Maintenance Show -- 4 Maint Mech (Chicago)	200	200
	Maintenance Based Courses/Seminars (APWA Snow and Ice)	500	500
	IPSI - Illinois Public Sector Institute Training	0	0
	Mechanic - Year 1 of 3 year training program	1,500	2,000
	Misc Tech Seminars	3,000	3,000
<b>Electrical</b>	<b>Employee Education - Electrical</b>		
	Misc Tech Seminars	2,000	0
	WEFTEC -- New Orleans, LA		
	IPSI - Illinois Public Sector Institute Training		
	Electrical - Year 1 of 3 year training program	1,500	2,000
	Facilities Maintenance, ISA Shows -- R. Freeman, P. Dziewior & J. Solita (Chicago)	200	500
<b>Lab</b>	<b>Employee Education - Laboratory</b>		
	Misc Tech Seminars	1,000	1,000
		<b>\$27,300</b>	<b>\$32,200</b>

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**  
**CY2024 Mileage Reimbursement Budget**  
**270 520625**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Travel	Travel for Seminars/Training	0		0	
	Manufacturing Trade Shows				
	I-Pass	300		300	
		<hr/>		<hr/>	
		<b>\$300</b>		<b>\$300</b>	

**Glenbard Wastewater Authority  
CY2024 Pro. Svc. Legal Budget  
270 520700**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Pro. Svc. Legal	Contracted Legal Assistance	15,000		15,000	
<b>Total</b>			<b>\$15,000</b>		<b>\$15,000</b>

**Glenbard Wastewater Authority**  
**CY2024 Legal Notices**  
**270 520750**

Item	Recommendation	CY22 Budgeted	Total	CY24 Budgeting	Total
Legal Notices	Chicago Tribune				
	Daily Herald	1,000		1,000	
			<b>\$1,000</b>		<b>\$1,000</b>



**Glenbard Wastewater Authority**  
**CY2024 Regulatory Fees**  
**270 520775**

Item	Recommendation	CY23 Budgeted	Total	CY24 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	241		241	
		<hr/>		<hr/>	
				<b>\$53,241</b>	<b>\$53,241</b>

**Glenbard Wastewater Authority  
CY2024 DuPage River Salt Creek Work Group Commitment  
270 520776**

Recommendation		CY23 Budgeted	Total	CY24 Budgeting	Total
GWA	Workgroup Membership Dues	36,218		37,305	
<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>					
			<b>\$36,218</b>		<b>\$37,305</b>

**Glenbard Wastewater Authority**  
**CY2024 Prof. Svc. Lab. Budget**  
**270 520806**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Cont. Lab Testing	Suburban Laboratories (Metals)	27,500		27,500	
	Digester Testing				
	Monthly Process Testing				
	Monthly Sludge Fecal Testing				
			<b>\$27,500</b>		<b>\$27,500</b>

Glenbard Wastewater Authority  
CY2024 Prof. Svc. Eng. Budget  
270 520816

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Pro. Serv. Engr.	External Consulting Fees	30,000		30,000	
		<hr/>		<hr/>	
		\$30,000		\$30,000	

Glenbard Wastewater Authority  
CY2024 Prof. Svc. Acct. Budget  
270 520825

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Pro. Svc. Acct.	Contracted Audit/Acct. Fees	12,500		12,800	
	Workpaper Preparation	0		1,000	
	Single Audit for SRF Disbursements	3,800			
			<b>\$16,300</b>		<b>\$13,800</b>

**Glenbard Wastewater Authority**  
**CY2024 Insurance Liability Budget**  
**270 520885**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Ins.-Liability	Fees for Liability Coverage	140,000		137,000	
			<b>\$140,000</b>		<b>\$137,000</b>

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

Total Liability Insurance Amount: \$137,00 is a 10% increase  
over actual costs of \$123,690 for CY2023

**Glenbard Wastewater Authority**  
**CY2024 Health Insurance Fees Budget**  
**270 520895**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Ins. - Health	Fees for Employee Health Insurance Coverage	260,000		258,900	
			<b>\$260,000</b>		<b>\$258,900</b>

Total Health Insurance amount reflects less than a 1% decrease over budgeted (\$260,000) for CY2023

**Glenbard Wastewater Authority**  
**CY2024 - Buildings and Grounds Budget**  
**Maintenance**  
**270 520970**

Description		Recommendations	CY23 Budgeted	Total	CY24 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	
				<b>\$9,950</b>		<b>\$9,950</b>



**Glenbard Wastewater Authority**  
**CY2024 - Buildings and Grounds - Support Budget**  
**Maintenance**  
**270 520971**

<b>DESIGNATION</b>	<b>RECOMMENDATIONS</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
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		2,900	
	Elevator Service/Repairs	0		0	
	Elevator Press Tests	1,500		1,500	
	Elevator Inspections	3,000		3,000	
	Landscape Maintenance	20,625		20,640	
	One-time Landscape/Shrub Cleanup			8,000	
	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		17,500	
	Unanticipated Contracted Building/Grounds Repairs	2,000		2,000	
	Admin Window Cleaning Contract	825		825	
			<b>\$56,450</b>		<b>\$67,665</b>

**Glenbard Wastewater Authority**  
**CY2024 Equipment Maintenance Budget**  
**270 520975**

<b>Building</b>	<b>Designation</b>	<b>CY23 Budgeted</b>	<b>CY24 Budgeting</b>
A	Bar Screen	1,750	3,150
B	Raw Pump	2,700	2,700
C	Grit Removal	3,950	3,950
D	Primary Pump	2,350	2,350
E	Primary Scum	2,725	425
F	Unox	8,700	8,700
H	Screw Pump	8,750	8,750
I	Final Clarifiers	2,500	3,000
J	Pump & Metering	2,350	3,350
L	Sand Filter	1,050	1,800
N	Warehouse	100	100
P	Press	6,050	6,050
Q	Cryo.	3,100	3,100
R	Administration	2,000	2,000
S	Maint. Garage	4,750	5,750
T	Electrical Shop	700	700
U	Digester	3,450	3,950
V	Co-Gen	1,500	1,500
Y	Combined Heat and Power	39,813	64,813
Z	SRI Lift Station	3,250	3,250
	Miscellaneous	17,650	17,650
<b>TOTAL</b>		<b>\$119,188</b>	<b>\$147,038</b>

**Glenbard Wastewater Authority**  
**CY2024 Equipment Maintenance Budget**  
**Maintenance**  
**270 520975**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Bldg A - Bar Screen</b>	Bar Screen PM/Repairs	1,200		1,200	
	Rag Washer PM/Repairs	250		1,750	
	Isolation Gate PM/Repair	100		100	
	Potable Water System PM/Repairs	100		0	
	Non-Potable Water System PM/Repairs	100		100	
			<b>\$1,750</b>		<b>\$3,150</b>
<b>Bldg B - Raw Pump</b>	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	
			<b>\$2,700</b>		<b>\$2,700</b>
<b>Bldg C - Grit</b>	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	2,500		2,500	
			<b>\$3,950</b>		<b>\$3,950</b>
<b>Bldg D - Primary Pump</b>	Potable Water System PM/Repairs	0		0	
	Sump Pump System PM/Repairs	250		250	

**Glenbard Wastewater Authority**  
**CY2024 Equipment Maintenance Budget**  
**Maintenance**  
**270 520975**

Designation	Recommendations	CY23 Budgeted	Total	CY24 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	
			<b>\$2,350</b>		<b>\$2,350</b>
<b>Bldg E - Primary Scum</b>	Potable Water System PM/Repairs	50		100	
	Non-Potable Water System PM/Repairs	75		75	
	Scum Compation System PM/Repairs	100		250	
	Odor Control System PM/Repairs	2,500		0	
			<b>\$2,725</b>		<b>\$425</b>
<b>Bldg F - Unox</b>	Seal Antifreeze	0		0	
	Unox System PM/Repairs	200		200	
	Mixer PM/Repairs	7,500		7,500	
	Valve Repair/Replacement	1,000		1,000	
			<b>\$8,700</b>		<b>\$8,700</b>
<b>Bldg H - Screw Pump</b>	V-Belts	750		750	
	Grease	6,500		6,500	
	Drive Oil	1,500		1,500	
			<b>\$8,750</b>		<b>\$8,750</b>
<b>Bldg I - Final Clarifiers</b>	Enclosure Insulation	500		500	
	Final Clarifier PM/Repair	1,500		2,000	

**Glenbard Wastewater Authority**  
**CY2024 Equipment Maintenance Budget**  
**Maintenance**  
**270 520975**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
	Valve PM/Repair	500		500	
		<u>500</u>	<b>\$2,500</b>	<u>500</u>	<b>\$3,000</b>
<b>Bldg J - Pump and Metering</b>	Sludge Pumping System PM/Repair	1,500		1,500	
	Odor Control System PM/Repair	0		1,000	
	Potable Water System PM/Repair	100		100	
	Nitro Waste System PM/Repair	500		500	
	Non-Potable Water System PM/Repair	250		250	
		<u>250</u>	<b>\$2,350</b>	<u>250</u>	<b>\$3,350</b>
<b>Bldg L - Disc Filter</b>	Potable Water System PM/Repair	50		50	
	Non-Potable Water System PM/Repair	250		250	
	Disc Filter PM/Repair	750		1,500	
		<u>750</u>	<b>\$1,050</b>	<u>1,500</u>	<b>\$1,800</b>
<b>Bldg N - Warehouse</b>	Shelving Rehab	100		100	
		<u>100</u>	<b>\$100</b>	<u>100</u>	<b>\$100</b>
<b>Bldg P - Press</b>	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	100		100	
	Potable Water System PM/Repair	100		100	
	Press Seal	0		0	
		<u>0</u>	<b>\$6,050</b>	<u>0</u>	<b>\$6,050</b>

**Glenbard Wastewater Authority**  
**CY2024 Equipment Maintenance Budget**  
**Maintenance**  
**270 520975**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Bldg Q - Cryo</b>	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**  
**CY2024 Equipment Maintenance Budget**  
**Maintenance**  
**270 520975**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
	Replacement PRV's	0		0	
	Emergency Repair/Parts	1,000		1,000	
			<b>\$3,100</b>		<b>\$3,100</b>
<b>Bldg R - Admin</b>	Lavatory Repair Parts	1,000		1,000	
	Laboratory Systems PM/Repair	500		500	
	Washer/Dryer Parts	500		500	
			<b>\$2,000</b>		<b>\$2,000</b>
<b>Bldg S - Maintenance Garage</b>	Welding Supplies	1,500		1,500	
	Potable Water System PM/Repair	250		250	
	Compressed Air System PM/Repair	500		500	
	Shop Tools (lathe,mill,power,hand,trucks)	2,500		3,500	
			<b>\$4,750</b>		<b>\$5,750</b>
<b>Bldg T - CRAS/Electric Shop</b>	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	
			<b>\$700</b>		<b>\$700</b>
<b>Bldg U - Digester</b>	Boiler Parts / Cleaning	500		1,000	
	Non-Potable Water System PM/Repair	150		150	

**Glenbard Wastewater Authority**  
**CY2024 Equipment Maintenance Budget**  
**Maintenance**  
**270 520975**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
	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	
			<b>\$3,450</b>		<b>\$3,950</b>
<b>Bldg V - Co-Gen</b>	Coolant (Completed in 2017)	0		0	
	Oil	0		0	
	Filters (Air/Oil)	1,500		1,500	
	Miscellaneous (Plugs, Coils, etc.)	0		0	
			<b>\$1,500</b>		<b>\$1,500</b>
<b>Bldg Y - CHP</b>	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		25,000	
	20000 Hour Service Interval (1 Interval per engine)	0		0	
	Recommended Spare Parts	1,000		1,000	
			<b>\$39,813</b>		<b>\$64,813</b>
<b>Bldg Z - SRI</b>	Salt/ Brine Parts (Snow)	250		250	
	Pump Parts/Seals	3,000		3,000	



**Glenbard Wastewater Authority**  
**CY2024 Equipment Maintenance Budget**  
**Maintenance**  
**270 520975**

Designation	Recommendations	CY23 Budgeted	Total \$3,250	CY24 Budgeting	Total \$3,250
	<b>Miscellaneous</b>				
	Paints/Supplies	500		500	
	Replacement Tools	3,500		3,500	
	Oil Analysis	200		200	
	Batteries (Cordless Tools)	2,000		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	
			<b>\$17,650</b>		<b>\$17,650</b>
<b>GWA Facilities</b>	<b>TOTAL</b>		<b>\$119,188</b>		<b>\$147,038</b>

**Glenbard Wastewater Authority**  
**CY2024 Equipment Maintenance - Support Budget**  
**270-520976**

<b>Building</b>	<b>Designation</b>	<b>CY23 Budgeted</b>	<b>CY24 Budgeting</b>
R	Administration	1,500	1,500
S	Maint. Garage	1,500	1,000
T	CRAS/Electric Shop	0	0
U	Digester	2,500	2,500
V	Co-Gen	0	0
	Intermediate Clarifiers	0	0
Y	Combined Heat & Power	2,000	2,000
	Miscellaneous	19,600	17,550
	Vehicle Maintenance Services	46,200	28,400
	<b>TOTAL</b>	<b>\$73,300</b>	<b>\$52,950</b>

**Glenbard Wastewater Authority**  
**CY2024 Equipment Maintenance - Support**  
**Maintenance**  
**270-520976**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Bldg R - Administration</b>	Washer/Dryer Chemicals	<u>1500</u>	<b>\$1,500</b>	<u>1500</u>	<b>\$1,500</b>
<b>Bldg S - Maintenance Garage</b>	Safety Klean Parts Service	0		0	
	Torch Gas Cylinder Lease	1,000		750	
	Miscellaneous	<u>500</u>	<b>\$1,500</b>	<u>250</u>	<b>\$1,000</b>
<b>Bldg T - CRAS/Electrical Shop</b>	Boiler Repairs	0		0	
	Pump Repairs	0		0	
	Boiler Certification Inspections	<u>0</u>	<b>\$0</b>	<u>0</u>	<b>\$0</b>
<b>Bldg U - Digester</b>	Boiler Repairs	2,500		2,500	
	Boiler Tuneup/Inspection/Cleaning/Repairs	0		0	
	Boiler Certification Inspections	<u>0</u>	<b>\$2,500</b>	<u>0</u>	<b>\$2,500</b>
<b>Bldg Y - CHP</b>	Support Services	<u>2,000</u>	<b>\$2,000</b>	<u>2,000</u>	<b>\$2,000</b>
<b>GWA Facilities</b>	<b>Miscellaneous Certifications/Services</b>				
	Overhead Crane Inspection/Repairs	2,500		2,000	
	State Boiler/Pressure Vessel Certifications	2,500		2,500	

**Glenbard Wastewater Authority  
CY2024 Equipment Maintenance - Support  
Maintenance  
270-520976**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
	Elevator Service	2,500		2,500	
	Elevator Inspections - Lombard	0		0	
	RPZ - Lombard	500		200	
	RPZ Inspections	2,000		750	
	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	2,500		2,500	
	Unanticipated Contracted Repairs	2,500		2,500	
			<b>\$19,600</b>		<b>\$17,550</b>
Equipment Services Support		46,200		28,400	
			<b>\$46,200</b>		<b>\$28,400</b>
	<b>TOTAL</b>		<b>\$73,300</b>		<b>\$52,950</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electrical Budget Details**  
**270 520980**

Building	Designation	CY23 Budgeted	CY24 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	15,000	15,000
		<b>\$64,000</b>	<b>\$64,000</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
<b>Bar Screen</b>	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	
	<b>Bar Screen Total</b>		<b>\$2,600</b>		<b>\$2,600</b>
<b>Raw Pumps</b>	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	
	<b>Raw Pumps Total</b>		<b>\$5,300</b>		<b>\$5,300</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Grit</b>	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	
	<b>Grit Total</b>		<b>\$2,400</b>		<b>\$2,400</b>
<b>Primary Clarifier</b>	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	
	<b>Primary Clarifier Total</b>		<b>\$500</b>		<b>\$500</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Primary Pump</b>	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	
<b>Primary Pump Total</b>			<b>\$2,100</b>		<b>\$2,100</b>
<b>Unox Deck</b>	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	
<b>Unox Deck Total</b>			<b>\$3,800</b>		<b>\$3,800</b>



**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>ATAD</b>	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	
	<b>ATAD Total</b>		<b>\$500</b>		<b>\$500</b>
<b>Screw Pump</b>	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	
	<b>Screw Pump Total</b>		<b>\$2,100</b>		<b>\$2,100</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Final Clarifer</b>	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	
	<b>Final Clarifier Total</b>		<b>\$1,350</b>		<b>\$1,350</b>
<b>Pump and Meter</b>	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	
	<b>Pump and Metering Total</b>		<b>\$2,300</b>		<b>\$2,300</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Thickener</b>	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	
	<b>Thickener Total</b>		<b>\$550</b>		<b>\$550</b>
<b>Sandfilter</b>	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	
	<b>Sandfilter Total</b>		<b>\$1,700</b>		<b>\$1,700</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Warehouse</b>	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	
	<b>Warehouse Total</b>		<b>\$800</b>		<b>\$800</b>
<b>UV</b>	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	
	<b>UV Total</b>		<b>\$2,700</b>		<b>\$2,700</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Press</b>	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	
	<b>Press Total</b>		<b>\$3,400</b>		<b>\$3,400</b>
<b>Cryo</b>	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	
			<b>\$1,100</b>		<b>\$1,100</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Administration</b>	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	
	<b>Administration Total</b>		<b>\$2,900</b>		<b>\$2,900</b>
<b>Maintenance Garage</b>	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	
	<b>Maintenance Garage Total</b>		<b>\$1,300</b>		<b>\$1,300</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>CRAS</b>	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	
	<b>CRAS Total</b>		<b>\$2,200</b>		<b>\$2,200</b>
<b>Digester</b>	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	
	<b>Digester Total</b>		<b>\$3,300</b>		<b>\$3,300</b>

**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>CHP</b>	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	
	<b>Digester Total</b>		<b>\$3,300</b>		<b>\$3,300</b>
<b>Co-Gen</b>	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	
	<b>Co-Gen Total</b>		<b>\$2,800</b>		<b>\$2,800</b>
<b>Electrical Supplies</b>	Conduit, wire, enclosures, fittings, switches, batteries, cleaning supplies, contact cleaners electronic components, Pneumatic Tubing & Fittings Thermal Overloads, fasteners, strut				



**Glenbard Wastewater Authority**  
**CY2024 Maintenance Electronics Budget Details**  
**270 520980**

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
	wire, nuts, etc.	15,000		15,000	
	Electrical Total		\$15,000		\$15,000
	Grand Total		\$64,000		\$64,000

**Glenbard Wastewater Authority**  
**CY2024 Electrical/Electronics - Support Budget**  
**270 520981**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Administration	Network/Communications Consulting	10,000		10,000	
	Intellution iFIX Global Support	9,200		10,000	
	IT/SCADA Disaster Recovery	0		5,000	
	Software Support agreement Specter (Win-911)	1,200		1,200	
	Software Support Agreements Cisco Smartnet	2,500		3,200	
	Software Support Fortinet Firewall Appliance	1,200		1,200	
	Software Support Agreement CMMS Data (MVP Plant)	21,600		24,225	
	Software Support Agreement Rockwell (PLC)	1,500		1,500	
	Software Support OpWorks	4,800		5,200	
	Software Support Agreement TimeTrax (Time Clock)	150		150	
	KnowBe4 Cybersecurity	700		800	
	Software Support Agreement and Battery ADS ECHO	499		499	
	Software Support BitDefender Endpoint Security (A/V)	1,500		2,200	
	Software Support MS Mail Hosting & Exchange Online Protection	1,800		2,000	
	Software Support HP Switches	1,000		1,000	
	Telephone System Support Agreement B&B Networks	2,700		2,700	
	Zoom Professional account	155		155	
	Fire/Security Alarm Systems Support Agreement Siemens	7,734		12,107	
	Fire/Security Alarm Systems Testing & Monitoring (Remote Sites)	3,500		3,500	
	Microsoft Server Select Agreement / Client Select Agreement	4,700		4,700	
	Carbonite Offsite Backup Service	1,300		2,000	
	Web Hosting & Support	1,300		1,300	
	Software Support Agreement ArcGIS (ESRI)	800		800	
Pretreatment	Linko Annual Software License Fee	4,500		5,000	
Pretreatment	SWIFTCOMPLY Annual Service Fee	5,200		5,200	
Flow Metering	RJN Flow Meter Maintenance/Data Analysis	132,000		141,600	
UV	Effluent Ammonia Analyzer Service Contract	7,200		7,900	
Plant Wide	HVAC Refrigeration Repairs	5,000		5,000	
Co-Generation	Switchgear Bi-Annual PM	6,000		0	
	Protection Relay Bi-Annual Calibration	4,600		0	
			<b>\$244,338</b>		<b>\$260,136</b>

**Glenbard Wastewater Authority**  
**CY2024 Operations - Supplies Budget**  
**270 520990**

<b>Item</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Operating Supplies	Operational Supplies				
	Misc. Supplies from Various Vendors	3,400		4,000	
	Yard Hose Replacements	1,500		1,000	
	Primary Clarifier Deodorizer Nozzle Replacements	1,000		0	
	Vacuum Hose Repalcement	0		1,500	
	PRV Covers	4,000		6,000	
	Grit Deodorizer Nozzle Replacements	200		200	
	Belt Filter Press Replacement Belts	7,000		10,000	
		<hr/>		<hr/>	
				<b>\$17,100</b>	<b>\$22,700</b>

**Glenbard Wastewater Authority**  
**CY2024 Operations - Support Budget**  
**270 520991**

<b>Designation</b>		<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Plant Wide		Solid Waste / Recycle Waste Disposal	8,000		8,000	
Misc Ops Support					4,000	
UV		Recycle Fees	0		0	
			<hr/>		<hr/>	
			<b>\$8,000</b>		<b>\$12,000</b>	

**Glenbard Wastewater Authority**  
**CY2024 Professional Services - Other**  
**270 521055**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Administration	Temporary labor services are billed to this account	4,000		4,000	
		<hr/>		<hr/>	
		<b>\$4,000</b>		<b>\$4,000</b>	

**Glenbard Wastewater Authority  
CY2024 Service Charge Budget  
270 521130**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Service Charge	Village of Glen Ellyn -- Overhead fees	145,504		136,161	
		<hr/>		<hr/>	
				<b>\$145,504</b>	<b>\$136,161</b>

CY2024 Overhead fees typically use CPI-U Chicago increase as of 12/31 of previous year  
Finance Directors Tri-annual review resulted in a 6.42% decrease over CY2023  
Next Tri-Annual Review due in CY2026

Glenbard Wastewater Authority  
CY2024 Sludge Disposal - Land App. Budget  
270 521150

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Sludge Disposal	Trucking fees for Sludge Removal	230,000		385,000	
		<hr/>			
		Total	\$230,000		\$385,000

**Glenbard Wastewater Authority  
CY2024 Telecomm Budget  
270 521195**

<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Peerless Networks	6,000		4,800	
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	3,300		3,500	
Cell Phone Reimbursements (Matt, Asst. Director, LSC)	2,400		1,800	
Comcast Internet - Primary ISP	4,000		4,200	
AT&T Internet - Secondary ISP (U-Verse)	1,100		1,200	
Verizon Cellular Service - Phones, tablets	6,400		10,000	
Verizon Cellular Service - RTU Radio Network	3,200		3,400	
		<b>\$26,400</b>		<b>\$28,900</b>



**Glenbard Wastewater Authority  
CY2024 Electrical Power Budget  
270 521201**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Electrical Power	Fees for Purchase of Electric Power & ComEd Delivery Services	450,000		450,000	
		<hr/>		<hr/>	
		<b>\$450,000</b>		<b>\$450,000</b>	

**Glenbard Wastewater Authority  
CY2024 Natural Gas - Brokered - Budget  
270 521202**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Nat. Gas - Brokered	Fees for Direct and Brokered purchase of Natural Gas	65,000		120,000	
			<b>\$65,000</b>		<b>\$120,000</b>

**Glenbard Wastewater Authority  
CY2024 Water Budget  
270 521203**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Water	Fees for Purchase of Potable Water - Village of Glen Ellyn	20,000		15,000	
			<b>\$20,000</b>		<b>\$15,000</b>

**Glenbard Wastewater Authority**  
**CY2024 Co-Gen Natural Gas Budget**  
**270 521204**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Natural Gas	Fees for Purchase of Natural Gas (Co-Generation Unit)	6,000		8,000	
		<hr/>		<hr/>	
		<b>\$6,000</b>		<b>\$8,000</b>	

**Glenbard Wastewater Authority  
CY2024 Office Supplies Budget  
270 530100**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Office Supplies	Supplies for Administrative Management functions (I.e. Office Supplies, Federal Express, UPS, printer/fax, copier supplies, printing)	8,000		8,000	
	Minolta Bus. Sys. Support (copy machine)	1,500		1,500	
	Postage Meter Rental/Postage	1,500		1,500	
	Coffee Machine Services/Supplies	3,000		3,000	
	<b>Total</b>				
			<b>\$14,000</b>		<b>\$14,000</b>

**Glenbard Wastewater Authority**  
**CY2024 Laboratory Supplies Budget**  
**270 530106**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Laboratory Supplies	Laboratory Consumables and Glassware	17,500		17,500	
			<b>\$17,500</b>		<b>\$17,500</b>

**Glenbard Wastewater Authority  
CY2024 Pretreatment Supplies Budget  
270 530107**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Pretreatment Supplies	Sampling, Dyes, Test Kits, Tools	1,000		1,000	
Local Limits Evaluation	Consultant Fees for Evaluation	24,000		0	
Public Outreach	Flyers/Brochures/Artwork/Magnets	0		1,000	
Various Professional Lab Services				1,000	
Initial PFAS Survey Tools				1,000	
Testing	Annual Local Limit Baseline Testing/NPDES Permit Requirement	20,000		4,800	
			<b>\$45,000</b>		<b>\$8,800</b>

**Glenbard Wastewater Authority**  
**CY2024 Administrative Purchasing Budget**  
**270 530200**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Purchasing	Aerial Photography	0		0	
	Celebrating Success	500		500	
	Office Decorations	500		500	
Total					
			<u>\$1,000</u>		<u>\$1,000</u>



**Glenbard Wastewater Authority**  
**CY2024 Safety Budget**  
**270 530225**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Admin	Portable Gas Detection Meter Cal Gas	1,500		2,000	
	Portable Gas Detection Meter Repair/Replacement	1,000		1,000	
	Confined Space Equip. Repairs/Replacement	1,200		1,200	
	Safety Audit	3,500		0	
	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	
<b>Total</b>			<b>\$26,100</b>		<b>\$23,100</b>

**Glenbard Wastewater Authority  
CY2024 Chemical Supplies Budget  
270 530440**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Treatment Costs	Polymer	85,000		85,000	
	Odor Control	5,000		5,000	
	Struvite Control	16,000		18,000	
	Acid	10,000		10,000	
	Hypochlorite	10,000		10,000	
	Etc.	20,000		20,000	
	Hydrogen Peroxide Odor System (USP Technologies)	50,000		50,000	
		<hr/>		<hr/>	
				<b>\$196,000</b>	<b>\$198,000</b>

Glenbard Wastewater Authority  
CY2024 Liquid Oxygen Supply Budget  
270 530443

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Cryo	Liquid Oxygen	335,000		355,000	
			<hr/> <hr/>		<hr/> <hr/>
			\$335,000		\$355,000

**Glenbard Wastewater Authority**  
**CY2024 Uniforms Budget**  
**270 530445**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Uniforms	Uniform Replacements	5,000		6,000	
<b>Total</b>			<b>\$5,000</b>		<b>\$6,000</b>

**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 CY2024**

**Operations & Maintenance**

**Division 270-1**

**Stormwater Plant & Hill Avenue Lift Station**

**EXPENSES**

		<b>Actual CY2022</b>	<b>Budgeted CY2023</b>	<b>Estimated CY2023</b>	<b>Budgeting CY2024</b>	<b>% Difference CY23-CY24</b>	<b>\$ Difference CY23-CY24</b>
<b>Operations &amp; Maintenance</b>							
520775	Regulatory Fees	20,000	20,000	20,000	20,000	0.0%	0
520970	Maint. - Bldgs. & Grnds. / Support	6,787	9,968	9,326	9,968	0.0%	0
520975	Maint. - Equipment	0	6,700	6,908	6,700	0.0%	0
520980	Maint. - Electronics	1,966	2,250	1,119	2,250	0.0%	0
521201	Electric Power	26,961	38,000	31,395	38,000	0.0%	0
521202	Natural Gas	3,613	5,000	4,741	9,000	80.0%	4,000
521203	Water	3,970	5,000	2,440	5,000	0.0%	0
530105	Operations Supplies	0	1,000	1,571	1,000	0.0%	0
<b>Commodities</b>							
530440	Chemicals	65,953	100,000	77,627	100,000	0.0%	0
<b>Total 270-1</b>		<b>129,251</b>	<b>187,918</b>	<b>155,129</b>	<b>191,918</b>	<b>2.1%</b>	<b>4,000</b>

**Glenbard Wastewater Authority**  
**CY2024 Budget - 270-1 - Stormwater Plant & Hill Avenue Lift Station**

Item			Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
520775	IEPA Regulatory Fees			20,000		20,000	

**Glenbard Wastewater Authority**  
**CY2024 Budget - 270-1 - Stormwater Plant & Hill Avenue Lift Station**

Item		Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
		Safety Equipment PM/Repairs	0		0	
		SCADA System PM/Repairs	500		500	
		Telecommunications PM/Repairs	200		200	
				<b>\$2,250</b>		<b>\$2,250</b>
521201	Electricity			<b>\$38,000</b>		<b>\$38,000</b>
521202	Natural Gas	Building Heaters		<b>\$5,000</b>		<b>\$9,000</b>
521203	Water	Hosing, Lab, Chlor/DeChlor carrying water		<b>\$5,000</b>		<b>\$5,000</b>
530105	Operations	Replacement Tools and Yard Hose	1,000		1,000	
				<b>\$1,000</b>		<b>\$1,000</b>
530440	Chemicals	Hypochlorite / Sodium Thiosulfate		<b>\$100,000</b>		<b>\$100,000</b>
		<b>Total 270-1</b>		<b>\$187,918</b>		<b>\$191,918</b>



**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 CY2024**

**EXPENSES**

**Operations & Maintenance**

**270-2**

**NRI / St. Charles Road L.S.**

		<b>Actual CY2022</b>	<b>Budgeted CY2023</b>	<b>Estimated CY2023</b>	<b>Budgeting CY2024</b>	<b>% Difference CY23-CY24</b>	<b>\$ Difference CY23-CY24</b>
<b>St. Charles Rd. Lift Station</b>							
520970 SC	Maint. - Bldg. & Grnds.	104	950	540	950	0.0%	0
520975 SC	Maint - Equipment	2,885	10,100	9,860	10,100	0.0%	0
520980 SC	Maint. - Electronics	9,350	1,800	0	1,800	0.0%	0
521201 SC	Electric Power	15,665	20,000	20,435	20,000	0.0%	0
<b>Total</b>		<b>28,005</b>	<b>32,850</b>	<b>30,835</b>	<b>32,850</b>	0.0%	0
<b>North Regional Interceptor</b>							
520970 NRI	Maint. - Piping & Grnds.	104	0	0	0	0.0%	0
<b>Total</b>		<b>104</b>	<b>0</b>	<b>0</b>	<b>0</b>	0.0%	0
<b>Total 270-2</b>		<b>28,109</b>	<b>32,850</b>	<b>30,835</b>	<b>32,850</b>	0.0%	0

**Glenbard Wastewater Authority**  
**CY2024 Budget - 270-2 NRI / St. Charles Rd. L.S.**

	Item	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>St. Charles L.S.</b>						
520970 SC	Bldg and Grounds	Miscellaneous	150		150	
		Annual RPZ Certification	150		150	
		Annual Fire System Certification	150		150	
				<b>\$450</b>		<b>\$450</b>
520975 SC	Maint. Equip.	Misc Parts/Oils (Post Warranty)	1,500		1,500	
		Generator Diesel Fuel	2,500		2,500	
		Submersible Pumps Annual Maintenance	5,000		5,000	
		Generator Service	1,100		1,100	
				<b>\$10,100</b>		<b>\$10,100</b>
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	500		500	
		Telecommunications PM/Repairs	100		100	
				<b>\$1,800</b>		<b>\$1,800</b>
521201 SC	Electric Power		20,000		20,000	
				<b>\$20,000</b>		<b>\$20,000</b>
<b>NRI</b>						
520970 NRI	Maint Piping and Grounds	Misc. repairs to the exposed manholes	500		500	
				<b>500</b>		<b>\$500</b>
<b>Total 270-2</b>				<b>\$32,850</b>		<b>\$32,850</b>

**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 22<sup>nd</sup> 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 CY2024**  
**Operations & Maintenance**  
**270-3**  
**SRI / Valley View L.S.**

**EXPENSES**

		<b>Actual CY2022</b>	<b>Budgeted CY2023</b>	<b>Estimated CY2023</b>	<b>Budgeting CY2024</b>	<b>% Difference CY23-CY24</b>	<b>\$ Difference CY23-CY24</b>
<b>Valley View Lift Station</b>							
520970 VV	Bldg. & Grnds. Support	104	1,200	10,775	1,200	0.0%	0
520975 VV	Maint. - Equipment	5,007	6,500	4,600	6,500	0.0%	0
520980 VV	Maint. - Electronics	0	1,000	599	1,000	0.0%	0
521201 VV	Electric Power	6,841	13,000	9,751	13,000	0.0%	0
521203 VV	Water	1,525	2,000	1,032	2,000	0.0%	0
<b>Total</b>		<b>13,477</b>	<b>23,700</b>	<b>26,756</b>	<b>23,700</b>	0.0%	0
<b>South Regional Interceptor</b>							
520970	Maint. - Piping & Grnds.	104	0	0	0	0.0%	0
<b>Total</b>		<b>104</b>	<b>0</b>	<b>0</b>	<b>0</b>	0.0%	0
<b>Total 270-3</b>		<b>13,581</b>	<b>23,700</b>	<b>26,756</b>	<b>23,700</b>	0.0%	0

**Glenbard Wastewater Authority**  
**CY2024 Budget - 270-3 - SRI / Valley View L.S.**

DESIGNATION	Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Valley View Lift Station</b>						
520970 VV	Bldg./Grnds - Support	Miscellaneous	1,000		1,000	
		Annual RPZ Certification	200		200	
				<b>\$1,200</b>		<b>\$1,200</b>
520975 VV	Maint. Equip.	Misc Parts/Oils (Post Warranty)	1,500		1,500	
		Generator Diesel Fuel	1,500		1,500	
		Pump Maintenance	2,000		2,000	
		Generator Service	1,500		1,500	
				<b>\$6,500</b>		<b>\$6,500</b>
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	500		500	
		Telecommunications PM/Repairs	0		0	
				<b>\$1,000</b>		<b>\$1,000</b>
521201 VV	Electricity			<b>\$13,000</b>		<b>\$13,000</b>
521203 VV	Water			<b>\$2,000</b>		<b>\$2,000</b>
				<b>\$0</b>		<b>\$0</b>
<b>Total 270-3</b>				<b>\$23,700</b>		<b>\$23,700</b>

# Capital

GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

REVENUE in Thousands \$		Footnotes	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)	CY(2044)
			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			6000		5000			5000		10000	10000	10000	0	0	0	0	0	0	0	0	0	0	0
Investment Income			200	125	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Glen Ellyn Conn Fees			105	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Lombard Conn Fees			70	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		8	8																				
Leachate Revenue	3		5	5	5																			
Fats Oil & Grease (FOG) / Industrial Waste Tipping Fees	4		125	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Cell Tower Revenue	5		67	71	76	80	85	90	96	101	107	114	121	128	136	144	152	162	171	182	192	204	216	229
Operating Surplus Transfers	6		376	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			72	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Misc. Revenue			24	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			1696	1731	1735	1757	1779	1801	1823	1846	1869	1892	1916	1940	1964	1989	2014	2039	2064	2090	2116	2143	2170	2197
Capital Fund Contribution - Lombard			2064	2077	2120	2147	2174	2201	2228	2256	2284	2313	2342	2371	2401	2431	2461	2492	2523	2555	2587	2619	2652	2685
Total Capital Fund Contribution	7		3761	3808	3855	3903	3952	4002	4052	4102	4154	4206	4258	4311	4365	4420	4475	4531	4588	4645	4703	4762	4821	4882
TOTAL REVENUE			4813	10323	4262	9310	4363	4418	9473	4530	14587	14645	14705	4765	4827	4890	4953	5019	5085	5152	5221	5292	5364	5437
EXPENSES in Thousands \$			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)	CY(2044)
Debt Service Payments:			Planning	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	319																			
Final Clarifier Project Debt Payment (P&I) BONDED @4%							350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350
Biosolids Project Debt Payment (P&I)	9		123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
Primary Clarifier Project Debt Payment (P&I) BONDED @ ~4%					507	507	507	506	505	508	506	508	509	510	504	509	507	509	506	507	506	508	508	507
Chem P Debt Payment (P&I) REMOVED																								
CSO Plant Rehab Debt Payment (P&I) IEPA LOAN @2%										305	305	305	305	305	305	305	305	305	305	305	305	305	305	305
Biological Nutrient Removal Debt Payment (P&I) IEPA LOAN @2%														1915	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915
FIP Debt Payment Actual (P&I)	10		1021	900	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021
Debt Service Payment Subtotal			1781	1660	1970	1651	2001	2000	1999	2307	2305	2307	2308	4224	4218	4223	4221	4223	4220	4221	3199	3078	3078	3077
Debt Service Subtotal			1781	1660	1970	1651	2001	2000	1999	2307	2305	2307	2308	4224	4218	4223	4221	4223	4220	4221	3199	3078	3078	3077
Capital Improvements																								
Property Acquisition			0	550																				
Capital Improvement Projects																								
Vehicle and Equipment Replacement	11		0	603	258	789	315	69	238	295	0	200	0	0	166	0	0	0	0	0	183	0	0	0
Small Capital Projects	12		195	219	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Infrastructure Improvements	13		110	88	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		0	0	133	212	259	100	80	53	328	185	235	208	0	0	0	1	1	227	0	0	0	0
Plant Equipment Rehabilitation	15		666	1567	200	600	600	600	600	200	600	600	600	600	200	600	600	600	600	200	600	600	600	600
Atomospheric Vaporizer Lease	16		20	20	20	20	20	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCC Replacements	17		140	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0	0	0
Unox Deck Replacements*	19		100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DuPage River Salt Creek Work Group Assmt for Watershed Projects	20		260	260	260	325.146	334.9	344.947	355.296	424.084														
Primary Clarifier & Gravity Thickener Improvements Project	21																							
Engineering			0	600																				
Construction			0	6000																				
Plant/CSO Resurfacing			515																					
Administrative Parking Lot/Bemis Road Improvements	22			500																				
Facility Plan	23			200					200					200						200				200
Primary Sludge Direct Digester Feed	24																							
Engineering				60																				
Construction				400																				
Collection System Televising					350					350					350						350			
Intermediate Pumping Station and Clarifier Rehabilitation	25																							
Engineering				200																				
Construction					2000																			
Final Clarifier Rehabilitation																								
Engineering					500																			
Construction						5000																		
CSO Plant Rehab, Barscreen & Grit Collection System Upgrade																								
Engineering								750																
Construction									5000															
Carbo RAS Meter & Final Clarifier RAS Waste Pump VFD Replacement*								25																
Anticipated Future Projects per the 20 Year 2013 Facility Plan.																								
Biological Nutrient Removal																								
Engineering									1500	1500														
Construction											10000	10000	10000											
Project Total			2006	10817	4311	7536	2119	2504	8588	3437	11418	11475	11325	1498	1206	1390	1090	1091	1291	1267	1273	1090	1090	1290
IFT/DEBT SERVICES / PROJ TOTAL			3786	13027	6281	9187	4120	4504	10587	5744	13723	13782	13633	5722	5424	5613	5311	5314	5511	5488	4472	4168	4168	4367
Cash on Hand 1/1			5881	6908	4204	2185	2308	2551	2465	1351	137	1001	1864	2936	1979	1382	659	301	6	(420)	(756)	(756)	(7)	1189
Gain/Loss FY			1027	(2704)	(2019)	123	243	(86)	(1114)	(1214)	864	863	1072	(957)	(597)	(723)	(358)	(295)	(426)	(336)	749	1124	1196	1070
Cash on Hand 12/31			6908	4204	2185	2308	2551	2465	1351	137	1001	1864	2936	1979	1382	659	301	6	(420)	(756)	(7)	368	1189	2259

\* = Process Equipment Replacement/Work Done In-House

All other projects include a 15% contingency and Engineering, Legal, & Admin @ 15% of the Construction Cost



## CY2024

### 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 CY2025.

(2) **Demand Load Response Program (\$8,000)**

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 CY2024, at which point it may be renewed.

(3) **Leachate Revenue (\$5,000):**

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 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 (\$150,000)**

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 (\$0.06/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 (\$71,461):**

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 (\$375,953):**

The EOC approved the audit reported CY2022 O&M surplus to be transferred to the Capital Fund 40 at the June 8, 2023 meeting.

**(7) Capital Fund Contributions (\$3,807,671):**

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. These repayments will sunset in CY2025

**(9) Biosolids Dewatering Improvements Project Debt Payment (\$122,855):**

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 started 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 (\$603,000):**

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 has, therefore, been continued to be deferred until. In addition, the Authority plans to replace its crane truck in CY2024, 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 (\$219,000):**

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

**(13) Infrastructure Improvements (\$88,000):**

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 (\$1,567,000):**

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 CY2024, 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 (\$0)**

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. Typically, \$140,000 a year would be budgeted for this work, however, funds from this line were shifted to the Intermediate Pump Station Rehabilitation Project.

**(18) Program Logic Controller (PLC) Replacements (\$0)**

Historically, 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 had been lowered to \$40,000 per year beginning in CY2023 in order to begin budgeting for future years. The purpose of this was to establish sufficient replacement funds 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. 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. In light of the replacement in CY2021, and that any replacements in the interim before the next major upgrade would be incorporated into other project cost, this item was revised to simply budget for another capital project in CY2036 when the majority of the new equipment reaches it's expected life.

**(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 components; Primary Clarifier Improvements, Primary Grit Odor Control Improvements, and Gravity Thickener Improvements. These components were combined into a single project due to an economy of scale due to their adjacent locations within the plant, similar scope of work and that all the equipment has now exceeded its life expectancy. Below are individual descriptions of the components:

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 called 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.

**(22) Administrative Parking Lot and Bemis/Sunnybrook Improvements (\$500,000)**

The Authority's main public parking lot at the Administrative Building was originally scheduled to be replaced in CY2017, however, it ultimately ended up being postponed due to the Authority's purchase of the property across the street, and the impending reconstruction of Bemis Road and Sunnybrook Road. The purchase of the property across the street could

allow the Village of Glen Ellyn to redesign the Bemis/Sunnybrook intersection to be more desirable to residential traffic, as well allow the Authority's entrance driveway to be more suitable to accommodate trucks. The Village had also originally intended to reconstruct Bemis Road in CY2017, but the project has been postponed for a number of years. Due to the heavily deteriorated condition of the Authority's existing parking lot, and the need for additional parking spaces, this project is long overdue.

Since Bemis Road is the main route in for any vehicles coming to the Authority, including heavy construction equipment, fully loaded tanker trucks, and a variety of other truck traffic, the Authority is contributing funds to the Village's cost to reconstruct Bemis Road in order to further fortify the street to handle the heavier loads. The Authority's cost will only for the further fortification to meet the Authority's needs; any costs related to the reconstruction of a residential roadway will be borne by the Village.

### **(23) Facility Plan Study**

Per the Intergovernmental Agreement that the Authority was formed by, every five years the Authority shall conduct a review of the capital plan; said review shall be performed by an outside consultant and be known as the facilities plan. The result shall be used as the basis for updating the Authority's ten (10) year capital plan. The last Facility Plan was completed in CY2019, and therefore, one is due to be completed in CY2024. A formal request for proposals will be sent to the Authority's shortlisted consulting firms, afterwards staff will score the proposals, and recommend the selected proposal for award to the Executive Oversight Committee.

### **(24) Primary Sludge Direct Digester Feed Engineering & Construction (\$60,000 & \$400,000)**

With the Primary Clarifier Improvement Project that is expected to be completed in CY2024, pumping modifications to the primary sludge system will allow for higher solids concentrations to be maintained. With these improvements the Authority is obtaining sludge concentration off of the primary clarifiers of approximately 3-4%. As a result, additional thickening is not necessary, and primary sludge could be sent directly to anaerobic digestion. This has a number of advantages of the existing process of "co-thickening" primary sludge, carbo sludge, and nitro sludge, with the primary advantage of being able to control pumping rates of the primary sludge, also the sludge with the greatest strength, directly to the digester. This can help prevent upsets in the digester, as well as allow for better operation of the primary clarifiers. In addition, co-thickening the primary sludge with the other sludges can create septic conditions which may lead to nuisance odors and should be avoided if possible. In general,

exposing primary sludge to atmosphere should be avoided to reduce the potential for objectionable odors.

**(25) Intermediate Pump Station and Clarifier Improvements Project Engineering (\$200,000)**

The 2018 Facility Plan recommended the design and replacement of the Intermediate Pump station in CY2021, and the Intermediate Clarifiers in CY2025. Due to the potential for these processes to be redesigned, repurposed, or eliminated when the Authority converts to a biological nutrient removal process after Phosphorus regulations are implemented, these projects were “shelved.” However, after critical failures in CY2023 at the pump station, it has been determined that some aspects of rehabilitation do need to occur. Since the Intermediate Clarifiers are immediately adjacent to the pump station and are expected to need some improvements as well, they are being lumped in with the lift station. This is budget for design engineering to identify components that are prone to failure in the next 10 years, and to develop plans and specifications for the bidding of work to occur in CY2025, where \$2M is budgeted for construction.



Budget CY2024  
Glenbard Treatment Facility  
Fund 40 Capital Plan  
Capital Improvements Detail

	Estimated CY2023	Budgeting CY2024
PROCEEDS FROM BORROWING		6,000,000
INVESTMENT INCOME	200,000	125,000
CONNECTION FEES - GLEN ELLYN	105,000	25,000
CONNECTION FEES - LOMBARD	70,000	50,000
ENERNOC DEMAND RESPONSE PROGRAM	8,000	8,000
LEACHATE REVENUE	5,000	5,000
FATS OIL & GREASE (FOG) / INDUSTRIAL WASTE TIPPING FEES	125,000	150,000
CELL TOWER REVENUE	67,416	71,461
OPERATING SURPLUS TRANSFERS	375,953	50,000
PRETREATMENT FINES	0	0
RENEWABLE ENERGY CREDITS	72,150	30,000
MISCELLANEOUS REVENUE	24,000	1,000
EQUIPMENT REPLACEMENT FUND		
	GLEN ELLYN - 45.45%	1,696,247
	LOMBARD - 54.55%	2,064,416
<b>REVENUES TOTAL:</b>	<b>4,813,182</b>	<b>10,323,132</b>
<b>PRINCIPAL &amp; INTEREST:</b>		
IEPA FIP PRINCIPAL	762,470	775,872
IEPA FIP INTEREST	258,393	124,186
IEPA BIOSOLIDS PRINCIPAL	95,462	96,755
IEPA BIOSOLIDS INTEREST	27,392	26,099
IEPA DIGESTER PRINCIPAL	602,381	617,534
IEPA DIGESTER INTEREST	34,621	19,467
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>	<b>1,780,719</b>	<b>1,659,913</b>
<b>CAPITAL IMPROVEMENTS</b>		
PROPERTY ACQUISITION		
SPENT/ESTIMATED TO SPEND	0	550,000
<b>CAPITAL IMPROVEMENT PROJECTS</b>		
VEHICLE AND EQUIPMENT REPLACEMENT	0	603,000
SMALL CAPITAL PROJECTS	194,575	219,000
INFRASTRUCTURE UPGRADES	110,000	88,000
ROOF REPLACEMENTS	0	0
PLANT EQUIPMENT REHABILITATION	666,100	1,567,000
CRYO MAINTENANCE/ATMOSPHERIC VAPORIZER PURCHASE OR LEASE	20,000	20,000
MCC REPLACEMENTS	140,000	0
PLC REPLACEMENTS	0	0
UNOX DECK REPLACEMENTS	100,000	100,000
PRIMARY SLUDGE DIRECT DIGESTER FEED ENGINEERING		60,000
PRIMARY SLUDGE DIRECT DIGESTER FEED CONSTRUCTION		400,000
FACILITY PLAN		200,000
DUPAGE RIVER SALT CREEK WORKGROUP ASSESSMENT	259,999	259,999
PLANT (MAIN & CSO) RESURFACING	515,000	0
ADMINISTRATION PARKING LOT/BEMIS RECONSTRUCTION		500,000
PRIMARY CLARIFIER & GRAVITY THICKENER REHABILITATION ENGINEERING		600,000
PRIMARY CLARIFIER & GRAVITY THICKENER REHABILITATION CONSTRUCTION		6,000,000
INTERMEDIATE PUMP STATION AND CLARIFIER REHABILITATION ENGINEERING		200,000
INTERMEDIATE PUMP STATION AND CLARIFIER REHABILITATION CONSTRUCTION		0
<b>CAPITAL IMPROVEMENTS TOTALS:</b>	<b>2,005,674</b>	<b>10,816,999</b>
<b>PRINCIPAL &amp; INTEREST / CAPITAL IMPROVEMENTS TOTALS</b>	<b>3,786,393</b>	<b>13,026,912</b>

**Glenbard Wastewater Authority**  
**CY2024 Small Capital Improvement**  
**40 580120**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>CY23 Estimated</b>	<b>CY24 Budgeting</b>
	Miscellaneous Office Furniture Upgrades	2,000	2,000	2,000
	Property Demolition	0	0	0
	Solar Feasibility Study	30,000		0
	Interior LED Lighting	30,000	30,000	10,000
	Health & Wellness- Exercise Equipment Upgrades	1,000	1,000	1,000
	Software Upgrades (OS & Application)	6,000	0	6,000
	Workstation Replacements SCADA & LAN	2,000	1,500	10,000
	Generator Battery Replacement	0		0
	UPS Battery Replacement	0		0
	Grinder Exchange Program	25,000	25,000	25,000
	Metal Stock and Metal for Various Projects	5,000	5,000	5,000
	Flare Improvements	0		5,000
	Reporting & Data Analytics			30,000
	SCADA iFIX Software Upgrade/Server Hardware/Software Upgrades			20,000
	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	10,000	10,000
	Property Boundary Landscape Clearing/Improvements	8,000	7,000	10,000
	Rehabilitate/Replace Instrument Air Compressor	60,000	25,000	
	Replacement Portable Ecosorb Unit	0	0	5,000
	UNOX LEL Monitoring Equipment Replacement	20,000	20,375	0
	UHF Two-Way Radio/Battery Replacement	20,000	2,000	0
	Arc Flash Protectice Suit/Headgear/Gloves	5,000	5,000	0
	FOG Feed and Digester Transfer Flow Meter Replacement	20,000	11,200	0
	UV System Toriodal Transformers	40,000	30,000	0
	Grit Building Overhead Door Actuator	0	0	10,000
	Admin Humidty Issues	0	0	20,000
	Vega Level Sensors			10,000
	MSA LEL Sensors			10,000
	Site Lighting LED Retrofits on Exisitng Lightpoles			15,000
	Miscellaneous Laboratory Equipment	6,000	4,500	0
	<b>Grand Total</b>	<b>\$305,000</b>	<b>\$194,575</b>	<b>\$219,000</b>

**Glenbard Wastewater Authority**  
**CY2024 Infrastructure Improvement**  
**40 580140**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>CY23 Estimated</b>	<b>CY24 Budgeting</b>
	Campus Surveillance System Installation	70,000	30,000	50,000
	Electronic Security Access			10,000
	Bridge Rehabilitation (Engineering and Construction)	0	80,000	0
	Routine Interior Painting (see schedule)	24,000	0	28,000
	Roof Replacement Consulting	0		0
	<b>Grand Total</b>	<b>\$94,000</b>	<b>\$110,000</b>	<b>\$88,000</b>

**Glenbard Wastewater Authority  
CY2024 Plant Equipment Rehabilitation  
40 580150**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>CY23 Estimated</b>	<b>CY24 Budgeting</b>
Glenbard Plant	Moyno Pumps Spare Parts (Total of 10 Moyno Pumps)	25,000	25,000	25,000
	Annual Collection System Rehabilitation Funding (Televising, Repairs, etc.)	310,730	382,000	650,000
	West Boiler Repair Tube Repair			35,000
	Collection System Rehabilitaiton Engineering	50,000	58,000	55,000
	Interceptor Heavy Cleaning (Construction & Engineering)			650,000
	Digester Cleaning	70,000	101,100	0
	Siloxane and Hydrogen Sulfide Media Replacement	100,000	100,000	100,000
	Copier Replacement	0	0	10,000
	Grit Chamber Rehabilitation - Steel, Redwood, Chain & Sprockets	5,000	0	5,000
	Concrete Lining System - Various Locations	10,000	0	10,000
	F450 Dump Truck with Plow Bed Replacement - 647	0	0	15,000
	Miscellaneous Laboratory Equipment	0	0	12,000
	Annual Lift Station Rehabilitation Funding	0		0
<b>Grand Total</b>		<b>\$570,730</b>	<b>\$666,100</b>	<b>\$1,567,000</b>

Glenbard Wastewater Authority Roof Replacement Schedule  
CY 2024 -- Roof Replacement Cost Based on \$35.5870973952/ 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 2024

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	\$ -	\$ -	\$ -

Glenbard Wastewater Authority Painting Schedule  
CY 2023 -- Painting Cost Based on \$1.1236/ sq. ft.

Building Code	Building Description	Most Recent Paint Year	Known Issues	Est Square Footage	Scheduled Paint Year	Paint Job Estimation
A	Bar Screen	Unknown		6,400		\$ 0
J	Pump & Metering	Unknown		1,224		\$ 0
N	Warehouse	Unknown		2,490		\$ 0
CSO-C	Tin Shed	Unknown		1,024		\$ 0
B	Raw Pump	Unknown		22,000	2024	\$ 27,774
U	Digesters	Unknown		5,500		\$ 0
S	Maint. Shop	Unknown		6,460		\$ 0
Q	Cryo	Unknown		2,400		\$ 0
D	Pri. Diversion	Unknown		207		\$ 0
F	Unox	Unknown		608		\$ 0
H	Screw	Unknown		1,020		\$ 0
P	Truck Bay (Lower Roof)	Unknown		323		\$ 0
P	FOG Tank (Lower Roof)	Unknown		722		\$ 0
R	Admin	Unknown		6,996		\$ 0
C	Grit	Unknown		1,227		\$ 0
V	CoGen	Unknown		2,552		\$ 0
CSO-A	A Raw Pump (South Building)	Unknown		3,025		\$ 0
CSO-B	B Grit (North Building)	Unknown		1,600		\$ 0
Y	CHP	Unknown		3,948		\$ 0
LS-St. Ch	St. Charles Rd LS	Unknown		896		\$ 0
LS-VV	Valley View LS	Unknown		2,500		\$ 0
T	CRAS / Electronics	Unknown		2,915		\$ 0
P	Press (Upper Roof)	Unknown		2,750		\$ 0
O	UV	Unknown		4,250		\$ 0
Z	SRI	Unknown		1,000		\$ 0
L	Filter	Unknown		12,912		\$ 0
E	Scum	Unknown		1,050		\$ 0
G	ATAD	Unknown		540		\$ 0

price increase year over year 1.06  
CURRENT Budget Year 2024

Annual Total		
Year	Replacement Cost	TOTAL BUDGET
2020	\$ -	\$ -
2021	\$ -	\$ -
2022	\$ -	\$ -
2023	\$ -	\$ -
2024	\$ 27,774	\$ 28,000
2025	\$ -	\$ -
2026	\$ -	\$ -
2027	\$ -	\$ -
2028	\$ -	\$ -
2029	\$ -	\$ -
2030	\$ -	\$ -
2031	\$ -	\$ -
2032	\$ -	\$ -
2033	\$ -	\$ -
2034	\$ -	\$ -
2035	\$ -	\$ -
2036	\$ -	\$ -
2037	\$ -	\$ -
2038	\$ -	\$ -
2039	\$ -	\$ -
2040	\$ -	\$ -
2041	\$ -	\$ -
2042	\$ -	\$ -
2043	\$ -	\$ -
2044	\$ -	\$ -
2045	\$ -	\$ -
2046	\$ -	\$ -
2047	\$ -	\$ -
2048	\$ -	\$ -
2049	\$ -	\$ -
2050	\$ -	\$ -
2051	\$ -	\$ -
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)	2024	\$ 29,799	\$ 5,000	\$ 83,815	\$ 78,815	HOLD	\$ 1,677,000
644	2012	Crane Truck	2024	\$ 122,375	\$ 40,000	\$ 500,000	\$ 460,000		
642	2010	Dodge Grand Caravan	2024	\$ 19,916	\$ 3,000	\$ 66,554	\$ 63,554	2022	\$ -
646	2014	F350 Maintenance Truck	2025	\$ 62,816	\$ -	\$ 162,092	\$ 162,092	2023	\$ -
637	2009	Bobcat Skidsteer	2025	\$ 24,018	\$ -	\$ 95,359	\$ 95,359	2024	\$ 603,000
611	2004	Volvo Semi-Tractor	2026	\$ 76,425	\$ -	\$ 508,884	\$ 508,884	2025	\$ 258,000
648	2015	Explorer (Director's Vehicle - 7 year cycle)	2026	\$ 27,659	\$ -	\$ 71,372	\$ 71,372	2026	\$ 789,000
633	2006	Godwin 8" Trailer Mounted Pump	2026	\$ 37,181	\$ -	\$ 208,378	\$ 208,378	2027	\$ 315,000
647	2014	F450 Dump Truck with Plow	2027	\$ 47,052	\$ -	\$ 144,252	\$ 144,252	2028	\$ 69,000
649	2015	F350 with Utilimaster Body (Electric)	2027	\$ 35,875	\$ -	\$ 100,904	\$ 100,904	2029	\$ 238,000
TBN	2017	Polaris Gem eM1400 (Dump Bed Cart)	2027	\$ 14,532	\$ -	\$ 34,403	\$ 34,403	2030	\$ 295,000
TBN	2017	Polaris Gem eM1400 (Cart)	2027	\$ 14,831	\$ -	\$ 35,110	\$ 35,110	2031	\$ -
605	2016	C-Max Hybrid (Pretreatment)	2028	\$ 24,294	\$ -	\$ 68,331	\$ 68,331	2032	\$ 200,000
625	2016	Vac-Tron Vacuum Trailer with Jetter	2029	\$ 77,497	\$ -	\$ 237,591	\$ 237,591	2033	\$ -
630	2006	Tandem Dump Trailer	2030	\$ 37,181	\$ -	\$ 294,142	\$ 294,142	2034	\$ -
627	2020	Ford Utilimaster Low Cube (Electrical - orig. 2017)	2032	\$ 46,000	\$ -	\$ 129,383	\$ 129,383	2035	\$ 166,000
600	2017	Bobcat 250 EFI (Mounted on Crane Truck)	2032	\$ 4,570	\$ -	\$ 16,646	\$ 16,646	2036	\$ -
606	2017	Millermatic 350P w/Gun Push-Pull XR-A Aluma-Pro	2032	\$ 5,699	\$ -	\$ 20,759	\$ 20,759	2037	\$ -
620	2017	Miller TIG/Stick Dynasty 350	2032	\$ 8,946	\$ -	\$ 32,586	\$ 32,586	2038	\$ -
627	2020	Ford F-350 XL 4x2 Chassis Cab w/enclosed utility body (Electric)	2035	\$ 45,468	\$ -	\$ 165,616	\$ 165,616	2039	\$ -
612	2021	Daewoo Fork Lift	2041	\$ 32,646	\$ -	\$ 182,962	\$ 182,962	2040	\$ -
610	2002	John Deere Wheel Loader	HOLD	\$ 86,500	\$ -	\$ 1,363,528	\$ 1,363,528	2041	\$ 183,000
	2022	Trailer	HOLD	\$ 15,000		\$ 19,024	\$ 19,024	2042	\$ -
628	1985	Bridgeport Vertical Milling Machine	HOLD	\$ 3,750	\$ -	\$ 9,896	\$ 9,896	2043	\$ -
623	1993	MEC Scissor Lift	HOLD	\$ 3,950	\$ -	\$ 8,896	\$ 8,896	2044	\$ -
617	1997	Pace Trailer (Confined Space)	HOLD	\$ 29,687	\$ -	\$ 61,769	\$ 61,769	2045	\$ -
616	2001	Ingersol-Rand Trailer Air Compressor	HOLD	\$ 15,000	\$ -	\$ 28,833	\$ 28,833	2046	\$ -
618	2003	Miller Trailblazer Welding Machine (Crane Truck)	HOLD	\$ 6,823	\$ -	\$ 12,606	\$ 12,606	2047	\$ -
632	2006	Doosan/Daewoo Fork Lift	HOLD	\$ 27,200	\$ -	\$ 47,356	\$ 47,356	2048	\$ -
635	2007	Salt Dog Salt Spreader	HOLD	\$ 3,456	\$ -	\$ 5,899	\$ 5,899	2049	\$ -
638	2009	Bobcat Skid Steer Backhoe Attachment	HOLD	\$ 6,683	\$ -	\$ 10,964	\$ 10,964	2050	\$ -
641	2009	Bobcat Skid Steer Sweeper Attachment	HOLD	\$ 2,403	\$ -	\$ 3,943	\$ 3,943	2051	\$ -
629	2013	Knuth Metal Cutting Lathe	HOLD	\$ 10,595	\$ -	\$ 16,058	\$ 16,058	2052	\$ -
619	2017	Miller Spectrum Plasma Cutting Machine	HOLD	\$ 1,725	\$ -	\$ 2,415	\$ 2,415	2053	\$ -
645	2012	Transfer Flow Fuel Tanks (Unleaded/Diesel on 643)	HOLD	\$ 2,443	\$ -	\$ 3,777	\$ 3,777	2054	\$ -
620*	1993	Miller - Shopmaster 300 Welding Generator (TIG)	HOLD	\$ 2,300	\$ -	\$ 5,180	\$ 5,180	2055	\$ -
606*		New MIG Welder	HOLD		\$ -	\$ -	\$ -	2056	\$ -
615	2001	Mersino 4" Trailer Mounted Pump	HOLD	\$ 32,730	\$ -	\$ 62,915	\$ 62,915		\$ -
621	2003	Alladin Hot Water Pressure Washer	HOLD	\$ 7,359	\$ -	\$ 13,597	\$ 13,597		\$ -

CY2024

GLENBARD WASTEWATER AUTHORITY EQUIPMENT REPLACEMENT FUND

FUND 40		Actual CY22 Bdgt	Approved CY23 Bdgt	Estimated CY23 Bdgt	Budgeting CY24 Bdgt
5966	<b>Equipment Replacement Flow Split - Total = Half of the Whole</b>	<b>1,857,118</b>	<b>1,880,332</b>	<b>1,880,332</b>	<b>1,903,836</b>
	* Glen Ellyn Flow Split - 40.90%	758,261	756,081	756,081	778,669
	* Lombard Flow Split - 59.10%	1,098,856	1,124,250	1,124,250	1,125,167
	<b>Equipment Replacement Split in Equity - Total = Half of the Whole</b>	<b>1,857,118</b>	<b>1,880,332</b>	<b>1,838,730</b>	<b>1,903,836</b>
	Glen Ellyn Flow Split - 50%	928,559	940,166	940,166	951,918
	Lombard Flow Split - 50%	928,559	940,166	940,166	951,918
	<b>Total</b>	<b>3,714,235</b>	<b>3,760,663</b>	<b>3,719,062</b>	<b>3,807,671</b>

				Total Contributions	Percentage by Contribution
Total Glen Ellyn Equipment Replacement Fund Contribution:	1,686,820	1,696,247	1,696,247	1,730,587	45.45%
Total Lombard Equipment Replacement Fund Contribution:	2,027,415	2,064,416	2,064,416	2,077,085	54.55%

\* Indicates Current 5 Year Avg. Flow Split for CY2024



# Appendix

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 Split By Flow	Lombard Split 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	778,668.79	1,125,166.88	40.90/59.10	1,903,835.67	3,807,671.33	1.25%	\$ 1,730,586.62	\$ 2,077,084.71	\$ 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(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
CY(2044)	1,220,394.10	1,220,394.10	2,440,788.21	976,315.28	1,464,472.92	40/62	2,440,788.21	4,881,576.41	1.25%	\$ 2,196,709.39	\$ 2,684,867.03	\$ 161,970,130.60
TOTALS	\$ 11,037,136.80	\$ 11,037,136.80		\$ 10,273,274.07	\$ 13,752,728.57			\$ 64,159,907.15		\$ 65,592,995.89	\$ 80,190,308.19	

\* 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

~ CY2023 Proposed 1.25% increase has been requested

**Glenbard Wastewater Authority**  
**Summary of Projected Future Debt Service Payments**  
**As of January 1, 2024**

	<b>Digester Project</b>	<b>Facility Improvements Project</b>	<b>Biosolids Dewatering Improvements</b>	<b>Total Debt Service</b>
CY24*	637,001	1,020,863	122,854	1,780,718
CY25	318,501	1,020,863	122,854	1,462,218
CY26		1,020,863	122,854	1,143,717
CY27		1,020,863	122,854	1,143,717
CY28		1,020,863	122,854	1,143,717
CY29		1,020,863	122,854	1,143,717
CY30		1,020,863	122,854	1,143,717
CY31		1,020,863	122,854	1,143,717
CY32		1,020,863	122,854	1,143,717
CY33		1,020,863	122,854	1,143,717
CY34		1,020,863	122,854	1,143,717
CY35		1,020,863	122,854	1,143,717
CY36		1,020,863	122,854	1,143,717
CY37		1,020,863	122,854	1,143,717
CY38		1,020,863	122,854	1,143,717
CY39		1,020,863	122,854	1,143,717
CY40			122,854	122,854
CY41			122,854	122,854
CY42				0
CY43				0
CY44				0
CY45				0
CY46				0
CY47				0
CY48				0
CY49				0
CY50				0
CY51				0
CY52				0
CY53				0
CY54				0
CY55				0
	<b>3,503,506</b>	<b>18,350,361</b>		<b>22,817,988</b>

**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
<b>Totals</b>			<b>\$7,703,496.87</b>	<b>\$1,538,529.43</b>		<b>\$9,242,026.30</b>	

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)**  
**Facility Improvements Project**

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

**State of Illinois - Environmental Protection Agency**  
**Clean Water SRF Loan Repayment Schedule (1.35% Interest Rate)**  
**Biosolids Dewatering Improvements Project**

<b>Ref</b>	<b>Due Date</b>	<b>Principal</b>	<b>Interest</b>	<b>Total Payment</b>	<b>Ending</b>
1	10/22/2022	\$11,182.55	\$4,930.81	\$16,113.36	\$2,052,834.93
2	4/22/2023	\$47,570.64	\$13,856.64	\$61,427.28	\$2,005,264.29
3	10/22/2023	\$47,891.75	\$13,535.53	\$61,427.28	\$1,957,372.54
4*	4/22/2024	\$48,215.02	\$13,212.26	\$61,427.28	\$1,909,157.52
5*	10/22/2024	\$48,540.47	\$12,886.81	\$61,427.28	\$1,860,617.05
6	4/22/2025	\$48,868.11	\$12,559.17	\$61,427.28	\$1,811,748.94
7	10/10/2025	\$49,197.97	\$12,229.31	\$61,427.28	\$1,762,550.97
8	4/22/2026	\$49,530.06	\$11,897.22	\$61,427.28	\$1,713,020.91
9	10/22/2026	\$49,864.39	\$11,562.89	\$61,427.28	\$1,663,156.52
10	4/22/2027	\$50,200.97	\$11,126.31	\$61,327.28	\$1,612,955.55
11	10/22/2027	\$50,539.83	\$10,877.45	\$61,417.28	\$1,562,415.72
12	4/10/2028	\$50,880.97	\$10,546.34	\$61,427.31	\$1,511,534.75
13	10/22/2028	\$51,224.42	\$10,202.86	\$61,427.28	\$1,460,310.33
14	4/22/2029	\$51,570.19	\$9,857.09	\$61,427.28	\$1,408,740.14
15	10/22/2029	\$51,918.28	\$9,509.00	\$61,427.28	\$1,356,821.86
16	4/22/2030	\$52,268.73	\$9,158.55	\$61,427.28	\$1,304,553.13
17	10/22/2030	\$52,621.55	\$8,805.73	\$61,427.28	\$1,251,931.58
18	4/22/2031	\$52,976.74	\$8,450.54	\$61,427.28	\$1,198,954.84
19	10/22/2031	\$53,334.33	\$8,092.95	\$61,427.28	\$1,145,620.51
20	4/22/2032	\$53,694.34	\$7,732.94	\$61,427.28	\$1,091,926.17
21	10/22/2032	\$54,056.78	\$7,370.50	\$61,427.28	\$1,037,869.39
22	4/22/2033	\$54,421.66	\$7,005.62	\$61,427.28	\$983,447.73
23	10/22/2033	\$54,789.01	\$6,638.27	\$61,427.28	\$928,658.72
24	4/22/2034	\$55,158.83	\$6,268.45	\$61,427.28	\$873,499.89
25	10/22/2034	\$55,531.16	\$5,896.12	\$61,427.28	\$817,968.73
26	4/22/2035	\$55,905.99	\$5,521.29	\$61,427.28	\$762,062.74
27	10/22/2035	\$56,283.36	\$5,143.92	\$61,427.28	\$705,779.38
28	4/22/2036	\$56,663.27	\$4,764.01	\$61,427.28	\$649,116.11
29	10/22/2036	\$57,045.75	\$4,381.53	\$61,427.28	\$592,070.36
30	4/22/1937	\$57,430.81	\$3,996.47	\$61,427.28	\$534,639.55
31	10/22/2037	\$57,818.46	\$3,608.82	\$61,427.28	\$476,821.09
32	4/22/2038	\$58,208.74	\$3,218.54	\$61,427.28	\$418,612.35
33	10/22/2037	\$58,601.65	\$2,825.63	\$61,427.28	\$360,010.70

34	4/22/2039	\$58,997.21	\$2,430.07	\$61,427.28	\$301,013.49
35	10/22/2039	\$59,395.44	\$2,031.84	\$61,427.28	\$241,618.05
36	4/22/2040	\$59,796.36	\$1,630.92	\$61,427.28	\$181,821.69
37	10/22/2040	\$60,199.98	\$1,227.30	\$61,427.28	\$121,621.71
38	4/22/2041	\$60,606.33	\$820.95	\$61,427.28	\$61,015.38
39	10/22/2041	\$61,015.38	\$0.00	\$61,015.38	\$0.00
40	10/10/2039			\$0.00	



**Calendar Year 2023  
Position Classification**

<b>ADMINISTRATION</b>	<b>Salary Range</b>	<b>CY 20</b>	<b>CY 21</b>	<b>CY 22</b>	<b>CY 23</b>	<b>CY 24</b>
Executive Director	<b>S</b>	1	1	1	1	1
Assistant Executive Director	<b>Q</b>	1	1	1	1	1
Enviromental Resources Coordinator	<b>I</b>	1	1	1	1	1
Seasonal FTE = .25	<b>D</b>	1	1	2	2	2
Executive Assistant	<b>H</b>	0	0	0	1	1
<b>FT Employee Totals</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>PT Employee Totals</b>		<b>1</b>	<b>1</b>	<b>0</b>	<b>0.5</b>	<b>0.5</b>
<b>FTE Totals</b>		<b>4.25</b>	<b>4.25</b>	<b>4.5</b>	<b>4.5</b>	<b>4.5</b>
<b>Operations</b>						
Operations Superintendent	<b>N</b>	1	1	1	1	1
Lead Operator	<b>K</b>	N/A	N/A	N/A	1	1
Plant Operator I	<b>I</b>	2	3	1	0	0
Plant Operator II	<b>H</b>	0	0	0	0	0
Plant Operator III	<b>G</b>	0	0	0	0	2
Plant Operator IV	<b>F</b>	2	1	3	2	1
Operator-in-Training	<b>E</b>	0	0	0	1	0
Operator PT - FTE = 0.2	<b>E</b>	5	5	5	5	5
Laboratory Services Coordinator	<b>K</b>	1	1	1	1	1
Wastewater Laboratory Technician	<b>I</b>	0	0	0	0	0
PT Laborer - FTE = .50	<b>D</b>	1	1	1	1	1
<b>FT Employee Totals</b>		<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
<b>PT Employee Totals</b>		<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>1.5</b>
<b>FTE Totals</b>		<b>7.5</b>	<b>7.5</b>	<b>7.5</b>	<b>7.5</b>	<b>7.5</b>
<b>MECHANICAL MAINTENANCE</b>						
Mechanical Maintenance Superintendent	<b>N</b>	1	1	1	1	1
Maintenance Mechanic I	<b>I</b>	1	1	1	1	1
Maintenance Mechanic II	<b>G</b>	1	1	1	2	1
Maintenance Mechanic III	<b>F</b>	1	1	1	0	1
<b>FT Employee Totals</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>PT Employee Totals</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FTE Totals</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>ELECTRICAL MAINTENANCE</b>						
Electrical Superintendent	<b>N</b>	1	1	1	1	1
Electronic Technician	<b>J</b>	1	1	1	1	1
Plant Electrician	<b>J</b>	1	1	1	1	1
<b>FT Employee Totals</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>PT Employee Totals</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FTE Totals</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>TOTAL OF ALL CATEGORIES</b>						
Total Full Time Employees		17	17	17	17	17
Total PT/Seasonal Employees		7	7	6.5	6.5	2
Total Full Time Equivalent (FTE)		18.75	18.75	19	19	19

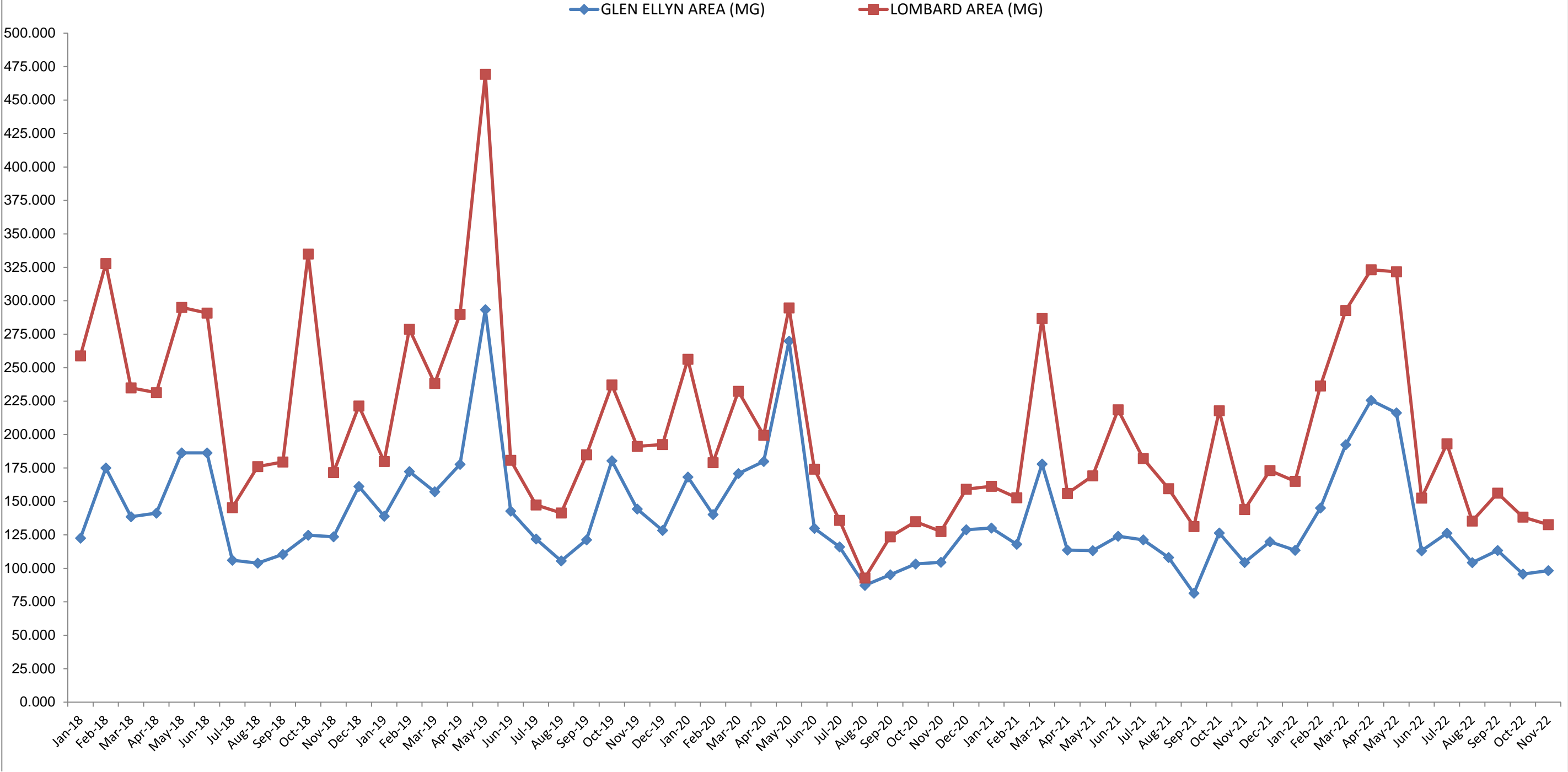
Glenbard Wastewater Authority  
Salary Schedule - January 1, 2024 through December 31, 2024

Range	Annualized			Hourly		
	Min	Mid	Max	Min	Mid	Max
CY24 Salary Schedule Adjustment = 2% Increase to Salary Ranges from CY23						
Salary schedule is draft version subject to Final CY2024 Village of Glen Ellyn Budget Approval						
A	\$39,959.21	\$50,331.20	\$60,679.67	\$19.21	\$24.20	\$29.17
B	\$41,911.31	\$52,824.24	\$63,713.66	\$20.15	\$25.40	\$30.63
C	\$44,028.04	\$55,505.44	\$66,982.83	\$21.17	\$26.69	\$32.20
D	\$46,215.33	\$58,233.67	\$70,252.01	\$22.22	\$28.00	\$33.78
E	\$48,543.74	\$61,197.10	\$73,850.45	\$23.34	\$29.42	\$35.51
F	\$50,989.74	\$64,278.12	\$77,566.50	\$24.51	\$30.90	\$37.29
G	\$53,576.86	\$67,500.26	\$81,423.65	\$25.76	\$32.45	\$39.15
H	\$56,258.05	\$70,887.03	\$85,492.48	\$27.05	\$34.08	\$41.10
I	\$59,056.84	\$74,438.44	\$89,796.51	\$28.39	\$35.79	\$43.17
J	\$61,973.23	\$78,107.44	\$94,241.65	\$29.79	\$37.55	\$45.31
K	\$65,101.29	\$82,058.67	\$99,016.05	\$31.30	\$39.45	\$47.60
L	\$68,393.99	\$86,151.02	\$103,908.06	\$32.88	\$41.42	\$49.96
M	\$71,757.24	\$90,408.01	\$109,035.26	\$34.50	\$43.47	\$52.42
N	\$75,355.69	\$94,923.70	\$114,491.72	\$36.23	\$45.64	\$55.04
O	\$79,212.84	\$99,839.23	\$120,465.61	\$38.08	\$48.00	\$57.92
P	\$83,164.08	\$104,778.27	\$126,392.47	\$39.98	\$50.37	\$60.77
Q	\$87,232.91	\$109,905.47	\$132,578.03	\$41.94	\$52.84	\$63.74
R	\$91,678.05	\$115,526.57	\$139,351.57	\$44.08	\$55.54	\$67.00
S	\$96,240.78	\$121,288.79	\$146,313.27	\$46.27	\$58.31	\$70.34

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-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 w o	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  T h r e e	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 o u r	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%
Y e a r  F i v e	Jan-22	278.662	113.542	40.75%	165.120	59.25%
	Feb-22	381.380	145.074	38.04%	236.306	61.96%
	Mar-22	485.094	192.400	39.66%	292.694	60.34%
	Apr-22	548.888	225.633	41.11%	323.255	58.89%
	May-22	537.910	216.234	40.20%	321.676	59.80%
	Jun-22	265.705	113.170	42.59%	152.535	57.41%
	Jul-22	319.326	126.267	39.54%	193.059	60.46%
	Aug-22	239.691	104.337	43.53%	135.354	56.47%
	Sep-22	269.738	113.431	42.05%	156.307	57.95%
	Oct-22	234.091	95.787	40.92%	138.304	59.08%
	Nov-22	231.022	98.295	42.55%	132.727	57.45%
	Dec-22	311.054	125.560	40.37%	185.494	59.63%
AVERAGE		344.383	139.460	40.90%	204.923	59.10%

AVERAGED WASTEWATER FLOWS UTILIZED FOR BUDGET



# **SECTION 11.0**

## **DISCUSSION**

## **SECTION 11.1**

# **ANTICIPATED NEAR FUTURE REQUESTS FOR AUTHORIZATION**

**SECTION 12.0**

**OTHER BUSINESS**

## **SECTION 12.1**

# **TECHNICAL ADVISORY COMMITTEE UPDATES**





## Glenbard Wastewater Authority

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

### GWA Technical Advisory Committee (TAC) Meeting Minutes September 27, 2023 8:00am

1. Bond Discussion
2. Budget Discussion
  - a. Mr. Streicher explained that there are no further updates to the budget as of now. We are expecting potentially adjusted numbers from RJN group regarding upcoming capital projects but it should only affect the capital budget and not change the village contribution amounts.
3. Biosolids Hauling
  - a. Force Majeure letter
    - i. Existing contract does not have Force Majeure clause, nor does it state any prevailing wage requirement
      1. Mr. Streicher reviewed the Force Majeure clause that is attempting to be claimed by our biosolids hauler. Questions from Mr. Buckley and Goldsmith as to whether or not they can actually utilize the clause if it is not on the contract.
      2. Mr. Goldsmith asked if we could extend the contract instead of rebidding. GWA will need to work with the hauler to determine approximately what the new rate will be to determine how to move forward.
  - b. Contract Expires April 30, 2024
    - i. Terminate Contract
    - ii. Wait to rebid
4. Hearing conservation program
  - a. Mr. Henning summarized the progress thus far with the internal sound level testing being performed. Per our current testing it does not appear that GWA will hit OSHA thresholds that require annual audiometric testing for staff. Staff is continuing to work through that process to ensure we are interpreting the OSHA standards correctly. Mr. Goldsmith requested a copy of GWA's hearing conservation program.
5. ~~Cost per gallon treated analysis~~
  - a. Mr. Streicher explained that we verified further details regarding how the other facility costs were calculated. We intend to gather additional information from at least one other similarly sized treatment plant and present the details to the board at the November meeting.
  - b. Mr. Buckley asked if we could or have ever calculated potable water pumped vs rainfall as there could potentially be a relationship between rainfall and lower water use in the village. This is unrelated to Glenbard treatment analysis, but would be an interesting comparison for the village. Mr. Henning will reach out to Mr. Burgoni to gather the details on Glen Ellyn's potable water pumping for comparison.
6. Odor season
  - a. Mr. Streicher summarized some of the details regarding the current odor season and recent odor complaints from residents and our responses. This is just intended to make sure the TAC is aware that we have received a handful of odor complaints this late-summer / early-fall season and we are addressing them to the best of our ability.
7. 36" diameter cleaning spoils
  - a. Mr. Schwab reached out and notified Mr. Henning that the village of Lombard sewer cleaning project is beginning within the next week. There were previous discussions that Lombard could use GWA's CSO facility to dump the debris from the cleaning and would then haul away that

*Protecting the Environment for Tomorrow*

debris at the end of the project. Mr. Henning will work with both villages to ensure the spoils are kept separate and hauled away once the project is complete.

8. Old Business

- a. Landscape Contract
- b. Final paving project invoice
  - i. GWA is waiting on the final invoice which is expected to be around \$4k over what EOC approved. Staff wanted to verify that since EOC approved a final amount, whether the VOGÉ Village Manager or GWA ED can approve additional amounts as typically allowed by the purchasing policy. Mr. Buckley believed that any amount over an approved large project amount will need to be approved by the Village Manager. GWA staff intended to send the approval up through Mr. Buckley and Mr. Franz regardless, but wanted to confirm the interpretation of the policy.
- c. Bridge Inspection
  - i. Estimated \$64k rehabilitation work, not including engineering
  - ii. Unbudgeted in CY2023, but Capital Cash on Hand can cover it, as other items were not spent
  - iii. This year or next year?
    - 1. Mr. Streicher summarized the inspection and rehabilitation work that is required. GWA is looking for input as to whether or not it makes sense to move forward with the repair work this year as opposed to waiting till next year.
    - 2. Both Mr. Buckley and Mr. Goldsmith agreed that moving forwarding sooner than later makes sense and that we could move forward with the existing engineer to create the engineering specs to go out to bid or quoting.
    - 3. Mr. Streicher will move forward with an item on the October EOC meeting to waive competitive bidding for the construction of the repairs.
- d. Interceptor Rehab Project
  - i. Additional engineering fees
    - 1. Mr. Streicher summarized the additional fees that RJN is attempting to recuperate from the recent projects. We are still waiting for a negotiated number back from them on the additional charges. Depending on the total dollar amount negotiated, it may or may not need to be bought to the EOC for approval. Mr. Streicher will keep the TAC and EOC apprised of the final numbers.
- e. Primary Clarifier Project
  - i. No update
- f. Solar Feasibility / RFP's
  - i. Finance Discussions
  - ii. Site preparations separate
    - 1. Preliminary study on it this year?
  - iii. Eliminate PPA option?
    - 1. Mr. Henning reviewed the details provided at the recent EOC meeting and confirmed that GWA intends to start working through the process of determining cost estimates and timelines to have the East side of the river GWA property prepared for solar installation.
- g. Electrical Grid Project Summons
  - i. No update
- h. Facility plan RFP
  - i. Mr. Streicher summarized the release of the facility plan RFP and whether or not the TAC would like to be a part of the RFP review and interview process. Mr. Streicher will shared the details with the TAC once we receive them and the TAC can then decide their level of involvement.
- i. Exhibits and language for Village/GWA Connection points at
  - i. Agreement between VOL and VOGÉ for Hill Ave Force Main point of entry
  - ii. Language in IGA's with other entities

**SECTION 13.0**

**NEXT EOC MEETING**

**THURSDAY,**

**NOVEMBER 9, 2023**

**AT 8:00 A.M.**