

**ANNUAL MEETING  
OF THE  
GLENBARD WASTEWATER AUTHORITY**

**Agenda**

**November 13, 2023**

**Meeting 6:00 pm**

Village of Glen Ellyn

535 Duane Street

Glen Ellyn, IL

1.0 Call to Order

2.0 Pledge of Allegiance

3.0 Roll Call

4.0 Introduction of Board Members and the GWA Team

5.0 Public Comment

6.0 Consent Agenda

*Motion to Approve the Minutes from the November 3, 2022 Annual Meeting of the Glenbard Wastewater Authority Board.*

7.0 Annual Financial Reports FY2022 (Lauterbach & Amen, LLP)

Jamie Wilkey, a Partner in the firm of Lauterbach & Amen, LLP will briefly review the financial status of the Authority for the CY2022 period ending December 31, 2022. Usual areas for review are: fund equity, receivables, payables, liabilities, service fee, maintenance, cash flow and flow splits.

*Motion to Accept the CY2022 Annual Financial Reports as presented by Village of Glen Ellyn Interim Finance Director, Patrick Brankin and Jamie Wilkey, Lauterbach and Amen, LLP.*

8.0 Approval of Resolution Number 004-2023 Bonds Resolution

Kyle Harding from Chapman and Cutler, LLC, and Stephen Roberts from Robert W. Baird & Co. will briefly describe the revenue bond process, and the bonds resolution that the Authority is seeking approval for from the Full Board.

*Motion to approve Resolution 004-2023 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.*

9.0 Comments by GWA Full Board Chairperson

10.0 Executive Director, Matt Streicher, and Assistant Director, Jeremy Henning, will summarize significant events from CY2023 and present information on goals and projects that are planned for CY2024.

11.0 Proposed CY2024 Budget

- Operations and Maintenance – \$5,244,233
- Capital Plan – \$13,026,912

*Motion to Approve the CY2024 Glenbard Wastewater Authority Budget in the amount of \$18,271,145.*

12.0 Other Business collaborating

13.0 Adjournment

## **SECTION 6.0**

### **CONSENT AGENDA – APPROVE MINUTES FROM NOVEMBER 3, 2022 MEETING**

# Village of Lombard

*Village Hall  
255 East Wilson Ave.  
Lombard, IL 60148  
villageoflombard.org*



## Minutes

**Thursday, November 3, 2022**

**5:00 PM**

**Lorraine G. Gerhardt Community Room**

### **Glenbard Wastewater Authority**

*Lombard Village President Keith Giagnorio, Trustee Brian LaVaque,  
Trustee Anthony Puccio, Trustee Bernie Dudek, Trustee Andrew Honig,  
Trustee Dan Militello, Trustee Bob Bachner and Village Clerk Elizabeth Brezinski*

*Glen Ellyn Village President Mark Senak, Trustee Kelli Christiansen,  
Trustee Gary Fasules, Trustee Anne Gould, Trustee Kelley Kalinish,  
Trustee Bill Payne, Trustee Steve Thompson and Village Clerk Caren Crosby*



## 1.0 Call to Order

The annual meeting of the Glenbard Wastewater Authority comprised of the Village Board of the Village of Glen Ellyn and the Village Board of the Village of Lombard held on Thursday, November 3, 2022 in the Board Room of the Lombard Village Hall was called to order by Lombard Village President Keith Giagnorio at 5:00 p.m.

## 2.0 Pledge of Allegiance

Director of Public Works Carl Goldsmith led the Pledge of Allegiance.

## 3.0 Roll Call

**Present** 14 - Keith Giagnorio, Village Clerk Elizabeth Brezinski, Brian LaVaque, Anthony Puccio, Bernie Dudek, Andrew Honig, Dan Militello, Bob Bachner, Village President Mark Senak, Trustee Kelli Christiansen, Gary Fasules, Trustee Anne Gould, Trustee Kelley Kalinish, and Trustee Steve Thompson

**Absent** 2 - Village Clerk Caren Crosby, and Trustee Bill Payne

Lombard Staff Present:  
Village Manager Scott Niehaus  
Director of Finance Tim Sexton  
Director of Public Works Carl Goldsmith  
Assistant Village Manager Nicole Aranas  
Executive Coordinator Carol Bauer

GLen Ellyn Staff Present:  
Village Manager Mark Franz  
Director of Finance Larry Noller

Glenbard Staff Present:  
Executive Director Matt Streicher  
Assistant Director Jeremy Henning  
Operations Superintendent Andrew Pakosta

## 4.0 Introduction of Board Members and GWA Team

Introductions of Village of Glen Ellyn, Village of Lombard and Glenbard Wastewater Authority staff made.

## 5.0 Public Comment

None

## 6.0 Consent Agenda

**A motion was made by Trustee Gary Fasules, seconded by Trustee Kelley Kalinish, that the minutes of the November 15, 2021 Annual Meeting of the Glenbard Wastewater Authority Board be approved. The motion carried by the following vote:**

**Aye:** 11 - Brian LaVaque, Anthony Puccio, Bernie Dudek, Andrew Honig, Dan Militello, Bob Bachner, Trustee Kelli Christiansen, Gary Fasules, Trustee Anne Gould, Trustee Kelley Kalinish, and Trustee Steve Thompson

**Absent:** 1 - Trustee Bill Payne

## 7.0 Annual Financial Reports FY 2021 (Lauterbach & Amen, LLP)

Glen Ellyn Finance Director Larry Noller provided an overview of the Fiscal Year 2021 audited Financial Statements for the Glenbard Wastewater Authority for the period ending December 31, 2021.

Jamie Wilkey, a partner in the firm of Lauterbach & Amen, LLP, briefly reviewed the financial status of the Authority for the CY 2021 period ending December 31, 2021. The usual areas for review included fund equity, receivables, payables, liabilities, service fees, maintenance, cash flow and flow splits. The audit was unmodified or a "clean" audit which is the highest level that can be achieved. The internal controls were also audited, and there were no findings with this or the issued single audit. The Village of Glen Ellyn is responsible for the bookkeeping and Glen Ellyn staff thanked for their work.

**A motion was made by Village President Keith Giagnorio, seconded by Trustee Kelli Christiansen, that the CY 2021 Annual Financial Reports as presented be approved. The motion carried by the following vote:**

**Aye:** 12 - Keith Giagnorio, Brian LaVaque, Anthony Puccio, Bernie Dudek, Andrew Honig, Dan Militello, Bob Bachner, Trustee Kelli Christiansen, Gary Fasules, Trustee Anne Gould, Trustee Kelley Kalinish, and Trustee Steve Thompson

**Absent:** 1 - Trustee Bill Payne

## 8.0 Comments by GWA Full Board Chairperson

Glen Ellyn Village President Mark Senak thanked members of the Boards of Glen Ellyn and Lombard and the Glenbard Wastewater staff for

their continued commitment to the operation of the Glenbard Wastewater Authority. He noted this shows that two communities can work together along with the Village Managers of both municipalities and the Glenbard Wastewater Authority staff on a successful joint venture.

## **9.0 Executive Director Matt Streicher, and Assistant Director Jeremy Henning will summarize significant events from CY 2022 and present information on goals and projects that are planned for CY 2023**

Glenbard Wastewater Executive Director Matt Streicher summarized events from the CY 2022 and present information on goals and projects as follows:

3,351,000,000 (3.351 billion) gallons treated through September 2022;

Past five year average = 3,345,000,000 (3.345 billion) gallons treated through September

30.66 inches total rainfall through September 2022

Past five year average = 28.98 inches through September

9 Odor Complaints through September 2022

2021 odor complaints = 26 through September

2020 odor complaints = 18 through September

2019 odor complaints = 40 through September

2018 odor complaints = 70 through September

2017 odor complaints = 172 through September

Main Plant = no permit excursions

current record - no excursions since 4/4/2013

Combined Sewer Outfall Facility = 2 excursions

reporting period; mechanical malfunction

Zero lost time injury

New permits issued end of January 2022, effective February 1, 2022

relatively same discharge limits

Special conditions

Pretreatment requirements, local limits study, phosphorus requirements, CMOM

Matt Streicher covered the top CY 2022 Capital Projects.

Jeremy Hennig provided an overview of projects:

Electric service distribution System Rehabilitation Project Construction

Electric Service Distribution System Rehabilitation Project Engineering

Biosolids Dewatering Improvements Construction

Biosolids Dewatering Improvement Engineering

Top CY 2023 Capital Projects:

Primary Clarifier & Gravity Thickener Rehabilitation Construction & Engineering

Plant Wide Resurfacing (both main facility and combined sewer outfall

facility

Plant Equipment Rehabilitation

Small Capital Projects

Top Large Projects

Matt Streicher reviewed the partner allocations for operations and maintenance.

CY 2023 Glen Ellyn \$1,976,316 and

CY 2023 Lombard \$2,938,670

Total combined Glen Ellyn and Lombard \$4,914,986

Matt Streicher reviewed the O&M expense tracking and flow split.

Matt Streicher reviewed the Capital Fund 40 Contributions as follows:

Lombard 60% and GE 40%

Capital Fund Contributions CY 2023

Lombard CY 2023 \$2,064,416;

Glen Ellyn CY 2023 \$1,696,247;

Total Lombard and Glen Ellyn CY 2023 \$3,760,663.

Matt Streicher reviewed the Capital Fund 40 contribution flow splits; and the proposed partner allocations.

Matt Streicher and the Glenbard Wastewater staff requested the Authority approve the Glenbard Wastewater CY 2022 budget in the amount of \$17,222,754.

## 10. Proposed CY 2023 Budget

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**A motion was made by Trustee Anthony Puccio, seconded by Trustee Kelli Christiansen, that the Glenbard Wastewater Authority CY 2022 budget in the amount of \$17,222,754 be approved. The motion carried by the following vote:**

**Aye:** 11 - Brian LaVaque, Anthony Puccio, Bernie Dudek, Andrew Honig, Dan Militello, Bob Bachner, Trustee Kelli Christiansen, Gary Fasules, Trustee Anne Gould, Trustee Kelley Kalinish, and Trustee Steve Thompson

**Absent:** 1 - Trustee Bill Payne

## 11. Other Business

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None

## 12. Adjournment

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A motion was made by Village President Keith Giagnorio, seconded by Trustee Kelli Christiansen, that the regular meeting of the Village Board of Glen Ellyn and the Village Board of Lombard known at the Glenbard Wastewater Authority held on Thursday, November 3, 2023 in the CommunityRoom of the Lombard Village Hall be adjourned at 5:31 p.m. The motion carried by the following vote

**Aye:** 12 - Keith Giagnorio, Brian LaVaque, Anthony Puccio, Bernie Dudek, Andrew Honig, Dan Militello, Bob Bachner, Trustee Kelli Christiansen, Gary Fasules, Trustee Anne Gould, Trustee Kelley Kalinish, and Trustee Steve Thompson

**Absent:** 1 - Trustee Bill Payne

## **SECTION 7.0**

# **ANNUAL FINANCIAL REPORTS**

**FISCAL YEAR 2022 -  
PATRICK BRANKIN  
AND  
JAMIE WILKEY  
(LAUTERBACH & AMEN,  
LLP)**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

**FROM:** Patrick Brankin, Assistant Finance Director

**DATE:** June 8, 2023

**RE:** 2022 Audited Financial Statements

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### 2022 Audited Financial Statements

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

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

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

### Operating Fund Surplus

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

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

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

### Other Communications

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

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

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



Proposed Action Items:

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

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



May 25, 2023

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

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

### Significant Audit Findings

#### *Qualitative Aspects of Accounting Practices*

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

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

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

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

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

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

#### *Corrected and Uncorrected Misstatements*

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

Significant Audit Findings - Continued

*Disagreements with Management*

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

*Management Representations*

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

*Management Consultations with Other Independent Auditors*

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

*Other Audit Findings or Issues*

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

Other Matters

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

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

Restrictions on Use

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

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

*Lauterbach & Amen, LLP*

LAUTERBACH & AMEN, LLP

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

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## MANAGEMENT LETTER



May 25, 2023

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

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

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

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

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

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

*Lauterbach & Amen, LLP*

LAUTERBACH & AMEN, LLP

## CURRENT RECOMMENDATION

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

#### Comment

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

#### Recommendation

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

#### Management Response

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

## PRIOR RECOMMENDATION

### 1. GASB STATEMENT NO. 87 LEASES

#### Comment

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

#### Recommendation

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

#### Status

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



# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

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## ANNUAL FINANCIAL REPORT

FOR THE FISCAL YEAR ENDED  
DECEMBER 31, 2022

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[www.gbww.org](http://www.gbww.org)

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

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## **FINANCIAL SECTION**

This section includes:

Independent Auditors' Report

Management's Discussion and Analysis

Basic Financial Statements

Required Supplementary Information

Other Supplementary Information

## **INDEPENDENT AUDITORS' REPORT**

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



## **INDEPENDENT AUDITORS' REPORT**

May 25, 2023

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

### **Opinions**

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

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

### **Basis for Opinions**

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

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

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

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

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

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

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

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

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

## **Required Supplementary Information**

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

### **Supplementary Information**

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

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

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

*Lauterbach & Amen, LLP*

LAUTERBACH & AMEN, LLP

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



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

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

**December 31, 2022**

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

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

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

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

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

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

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

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

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

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

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

**December 31, 2022**

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

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

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

### **Financial Highlights**

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

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Management's Discussion and Analysis

December 31, 2022

### Financial Highlights - Continued

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

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

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

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

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

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

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Management's Discussion and Analysis

December 31, 2022

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### Authority's Financial Analysis

#### *Net Position*

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

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

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

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

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Management's Discussion and Analysis

December 31, 2022

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### Authority's Financial Analysis - Continued

#### *Activities*

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

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

#### *Revenues*

##### Operating Fund Revenues

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

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

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

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

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

**Equipment Replacement Fund Revenues**

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

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

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

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

**December 31, 2022**

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

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

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

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

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

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

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

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



# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Management's Discussion and Analysis

December 31, 2022

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### Authority's Financial Analysis - Continued

#### *Expenses - Continued*

#### Operating Fund Expenses - Continued

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

#### Equipment Replacement Fund Expenses

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

#### *Capital Assets*

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

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

\*Does not include restatement amounts

For more detailed information, see Note 3.

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

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

**December 31, 2022**

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

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

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

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

For more detailed information, see Note 3.

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

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

## **BASIC FINANCIAL STATEMENTS**

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

**Statement of Net Position**

**December 31, 2022**

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

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**See Following Page**

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

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

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

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

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

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

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

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

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

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

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



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

## **Notes to the Financial Statements**

**December 31, 2022**

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

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

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

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

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

#### **REPORTING ENTITY**

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

#### **BASIS OF PRESENTATION**

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

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

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

**Notes to the Financial Statements**

**December 31, 2022**

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

**MEASUREMENT FOCUS AND BASIS OF ACCOUNTING**

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

**Measurement Focus**

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

**Basis of Accounting**

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

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

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

**Cash and Investments**

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

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

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

## **Notes to the Financial Statements**

**December 31, 2022**

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

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

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

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

##### **Receivables**

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

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

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

##### **Capital Assets**

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

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

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

**Notes to the Financial Statements**

**December 31, 2022**

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

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

**Deferred Outflows/Inflows of Resources**

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

**Compensated Absences**

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

**Long-Term Obligations**

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

**Net Position**

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

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

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

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

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

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

## **Notes to the Financial Statements**

**December 31, 2022**

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

#### **BUDGETARY INFORMATION**

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

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

#### **DEPOSITS AND INVESTMENTS**

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

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

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

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

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

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

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Notes to the Financial Statements

December 31, 2022

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

#### DEPOSITS AND INVESTMENTS - Continued

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

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

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

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

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

#### CONSTRUCTION COMMITMENTS

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

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

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

**Notes to the Financial Statements**

**December 31, 2022**

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

**CAPITAL ASSETS**

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

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

Depreciation was allocated to the members as follows:

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

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

**Notes to the Financial Statements**

**December 31, 2022**

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

**LEASES RECEIVABLE**

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

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

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

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

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



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

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

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

(a) Includes construction interest.

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

The Authority has the following lease outstanding at year end:

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

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

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

**Long-Term Liability Activity**

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

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

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

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

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

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Notes to the Financial Statements

December 31, 2022

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

#### NET POSITION

##### Net Position Classification

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

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

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

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

##### Net Position Restatement

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

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

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

## **Notes to the Financial Statements**

**December 31, 2022**

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

#### **NET POSITION - Continued**

##### **Equipment Replacement Fund**

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

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

##### **Working Cash Account**

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

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

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

**Working cash balance computation:**

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

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

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

**Notes to the Financial Statements**

**December 31, 2022**

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**NOTE 4 - OTHER INFORMATION - Continued**

**RISK MANAGEMENT - Continued**

**Municipal Insurance Cooperative Association**

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

**Intergovernmental Personnel Benefit Cooperative (IPBC)**

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

**CONTINGENT LIABILITIES**

**Litigation**

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

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

**Illinois Municipal Retirement Fund (IMRF)**

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

**Plan Descriptions**

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

Notes to the Financial Statements

December 31, 2022

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NOTE 4 - OTHER INFORMATION - Continued

EMPLOYEE RETIREMENT SYSTEM - DEFINED BENEFIT PENSION PLAN - Continued

Illinois Municipal Retirement Fund (IMRF) - Continued

Plan Descriptions - Continued

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

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

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

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

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

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

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



# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Notes to the Financial Statements

December 31, 2022

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### NOTE 4 - OTHER INFORMATION - Continued

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

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

##### Plan Descriptions - Continued

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

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

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

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

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

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Notes to the Financial Statements

December 31, 2022

### NOTE 4 - OTHER INFORMATION - Continued

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

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

##### Plan Descriptions - Continued

*Actuarial Assumptions - Continued.*

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

##### Discount Rate

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

##### Discount Rate Sensitivity

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

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

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

**Notes to the Financial Statements**

**December 31, 2022**

**NOTE 4 - OTHER INFORMATION - Continued**

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

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

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

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

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

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

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

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

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

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

**Notes to the Financial Statements**

**December 31, 2022**

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**NOTE 4 - OTHER INFORMATION - Continued**

**OTHER POST-EMPLOYMENT BENEFITS**

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

## **REQUIRED SUPPLEMENTARY INFORMATION**

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

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

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

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

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

Notes to the Required Supplementary Information:

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

Note:

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

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

**Illinois Municipal Retirement Fund**

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

**December 31, 2022**

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

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

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



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

## **OTHER SUPPLEMENTARY INFORMATION**

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

**Combining Statement of Net Position**

**December 31, 2022**

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**See Following Page**

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

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

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

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

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

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

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

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

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

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

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

**Operating Sub-Fund**

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

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

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

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



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

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

**Equipment Replacement Sub-Fund**

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

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

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

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

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

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

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

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

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

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

# GLENBARD WASTEWATER AUTHORITY, GLEN ELLYN, ILLINOIS

## Schedule of Allocation Costs

December 31, 2022 (Unaudited)

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

### 1. Total Water Flow

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

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

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

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

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

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

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

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

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

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

**Schedule of Allocation Costs - Continued**

**December 31, 2022 (Unaudited)**

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

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

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

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

3. Total Revenue Billed and Received per Authority

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

# **SECTION 8.0**

## **APPROVAL OF RESOLUTION NUMBER 004-2023, BONDS RESOLUTION**



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## MEMORANDUM

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**TO:** Glenbard Wastewater Authority Full Board

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

**DATE:** November 13, 2023

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

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Historically, the Glenbard Wastewater Authority has utilized the Illinois Environmental Protection Agency's (IEPA) State Revolving Fund (SRF) Clean Water Fund Low Interest Loans to finance projects in order to stabilize the amount the Village's have to contribute to the Authority's Capital Fund year to year. Past projects this program has been utilized for include the Anerobic Digester Improvements (2007, \$7.7M at 2.5%/15 years – amended in 2016 to \$7,543,076.05), the Facility Improvements Project (2016, \$16.725M at 1.75%/20 years) and most recently, the Biosolids Improvements Project (2021, \$2,490,750 at 1.35%/20 years).

To attempt to keep the Village Contributions as close to a 1.25% increase year over year for the foreseeable future, the Authority had planned to continue to utilize the SRF program for several additional projects in the Capital Plan; Primary Clarifier and Gravity Thickener Improvements (2021 - \$6.5M), Final Clarifier Improvements (2026 - \$5M), CSO Rehabilitation (2029 - \$5M), and the Biological Nutrient Removal Improvements (2030 - \$30M).

Per IEPA's standard procedures, the application process for the SRF low interest loans was completed for the Primary Clarifier and Gravity Thickener Improvements during the Authority's most recent Facility Planning study in 2019. The project was approved for funding from IEPA, and was put on the state's fiscal year 2020 "intended funding list." In order to be added to the intended funding list, the IEPA reviews the applicant, the project specifics, and other factors, and then assigns the project a score. The highest scoring projects fall onto the intended funding list until all SRF dollars for that particular fiscal year are exhausted, and remaining projects that are eligible for loans, but no dollars exist, are put onto a "bypass list." If projects on the intended funding list do not move forward, funds then free up for the highest scoring projects on the bypass list.

Unfortunately, final design and bidding of the Primary Clarifier and Gravity Thickener Improvements was not able to be completed by the deadline to use the funds in FY2020, and therefore, notification was given to IEPA to take the Authority off the intended funding list and open the funds for other projects. Traditionally, projects not ready to move forward during a certain fiscal year simply carry over to the next years intended funding list. However, the Authority lost its place on the intended funding list, and was moved to the bypass list. The

Authority's project has remained on the bypass list since that time and does not foresee funds becoming available.

There are various reasons that the Authority's project no longer falls on the intended funding list, which are mostly related to IEPA's SRF scoring system, and changes that have occurred in the past several years. Higher scores are given to projects related to nutrient removal, water quality *improvements*, and other emerging issues that require complex solutions. In addition, higher scores are given to applicants who are located in an area with a high rate of "environmental justice" (mix of racial/economic status'), applicants who serve communities below the state's median household income, and facilities who have repeated violations and are in non-compliance with their National Discharge Pollutant Elimination System (NPDES) permit. Lastly, due to municipal agencies facing greater financial constraints in recent times, the number of applicants to the SRF program has significantly increased, and the number of projects on the intended funding list that do not move forward has decreased, the program has become more competitive.

The Authority's Primary Clarifier and Gravity Thickener Improvements mainly consists of rehabilitation work, and therefore does not score high in project criteria. Also, the Authority mostly serves communities that average above the median household income for the state, and the Authority has not violated its NPDES permit for over 10 years. The Authority also speculates that the Final Clarifier Improvements project scheduled for 2026 will not score high as well. However, the CSO Rehabilitation Project and the Biological Nutrient Removal Project have potential to score higher and be awarded funding due to the nature of those particular projects.

After realizing the funds may not become available for the Primary Clarifier and Gravity Thickener Improvements, but the need to complete the project continued to increase, other financing options were explored. An analysis of the needed increases to the Village contributions was also performed, however, the increase was too significant for either Village to consider. Although the SRF program has lower interest rates, revenue bonds appeared to be the next lowest interest rate beyond the SRF loans. Both Village's utilize revenue bonds to occasionally finance projects and other significant costs.

After consultation with both Village's Managers, Finance Directors, their financial advisors, and a bond counsel it was determined that that Authority could proceed with its first ever bond issuance. The Executive Oversight Committee approved to engage in services with Chapman and Cutler for purposes of bond and disclosure counsel, and Robert W. Baird & Co. for financial advisor services. Both firms will provide a short presentation describing the bond process and their services.

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 the Authority is seeking approval for from the Full Board.** The resolution was prepared by the Authority's bond counsel and is in accordance with all laws and regulations.

MINUTES of a regular public meeting of the Board of Directors of the Glenbard Wastewater Authority held at the Village of Glen Ellyn Civic Center, 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 \$7,750,000 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 \$7,750,000 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, including the Primary Clarifier and Gravity Thickener Improvements Project (collectively, 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 \$7,750,000, 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 \$7,750,000 (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 \$7,750,000 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 Stifel, Nicolaus & Company, Incorporated.

*“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 \$7,750,000. 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 7.0% 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; Creation of Debt Service Reserve Account; 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.

There is hereby created a separate account within the Equipment Replacement Sub-Fund, designated as the “Debt Service Reserve Account (Series 2023)” (the “*Reserve Account*”). All moneys in the Reserve Account shall be used only to pay principal of or interest on Outstanding Bonds at any time when there are insufficient funds otherwise available in the Equipment Replacement Sub-Fund to pay the same. The Authority may establish additional debt service reserve accounts in the Equipment Replacement Sub-Fund to further secure Additional Bonds. Deposits of any funds to the credit of the Equipment Replacement Sub-Fund into any such additional debt service reserve account shall be on a parity with deposits into the Reserve Account.

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. Funds to the credit of the Equipment Replacement Sub-Fund shall next be credited to the Reserve Account until the balance to the credit of the Reserve Account equals the Required Amount (as hereinafter defined). As used herein, “Reserve Requirement” means the amount of any such funds required to be so credited to the Reserve Account. The “Required Amount” shall be set forth in the Bond Notification. Each year, funds to the credit of the Equipment Replacement Sub-Fund in excess of the Current Debt Service Requirement and the Reserve 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, including the Reserve Account, 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.* Sale proceeds of the Bonds and/or other lawfully available funds of the Authority in an amount set forth in the Bond Notification (not to exceed the Required Amount) shall be deposited into the Reserve Account. The remaining sale proceeds 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 \$7,750,000 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.

---

Executive Director

# **SECTION 9.0**

**COMMENTS BY GWA  
FULL BOARD  
CHAIRPERSON -  
PRESIDENT KEITH  
GIAGNORIO –  
VILLAGE OF LOMBARD**

## **SECTION 10.0**

**GWA PRESENTATION –  
MATT STREICHER,  
EXECUTIVE DIRECTOR  
AND  
JEREMY HENNING,  
ASSISTANT DIRECTOR**

# Glenbard Wastewater Authority



Full Board Meeting Presentation  
November 13, 2023

Matt Streicher  
Jeremy Henning



# Talking Points

- Executive Oversight Committee Member Introductions
- Performance Statistics
- 2023/2024 Major Projects
- Operations & Maintenance Fund
- Capital Fund
- Budget Summary
- Action Requested





# Executive Oversight Committee Representatives



Mark Senak – President  
Kelli Christiansen – Trustee  
Mark Franz – Manager  
Dave Buckley – Public Works Director



Keith Giagnorio - President  
Bob Bachner – Trustee  
Scott Niehaus – Manager  
Carl Goldsmith – Public Works Director



# 2023 Key Performance Indicators

- **~ 3,077,000,000 (3.077 Billion) Gallons Treated Through September 2023**
  - ✓ Past 5 Year Average = 3,352,000,000 (3.352 Billion) Gallons Treated Through September
- **26.11 Inches Total Rainfall Through September 2023**
  - ✓ Past 5 Year Average = 29.83 Inches Through September
- **10 Odor Complaints Through September 2023**
  - ✓ 2022 Odor Complaints = 9 Through September
  - ✓ 2021 Odor Complaints = 26 Through September
  - ✓ 2020 Odor Complaints = 18 Through September
  - ✓ 2019 Odor Complaints = 40 Through September
  - ✓ 2018 Odor Complaints = 70 Through September
  - ✓ 2017 Odor Complaints = 172 Through September
- **Main Plant = No Permit Excursions**
  - ✓ Current Record – No Excursions Since 4/4/2013
- **Combined Sewer Outfall Facility = 0 Excursions**
  - ✓ No Excursions Since 9/12/2022
- **0 Lost Time Injury**



# Top CY2023 Capital Projects



Description	Project Budget Amount	Assumptions / Comments
Main & Combined Sewer Outfall Plant Resurfacing Project	\$500,000	Both the main plant site and the combined sewer outfall facility have had significant patch work performed on them, with no single paving job having occurred for over 25 years. The plant's were in dire need of pavement rehabilitation
Phase 1 North Regional Interceptor Rehabilitation	\$310,730	The Authority inspects it's sewers every 5 years. Upon the last inspection, some deterioration was noted in some areas of the North Regional Interceptor, and therefore, plans to rehabilitate them were issued and bid. This work has not yet occurred, but is awarded, and expected to be completed prior to the end of the calendar year.
Digester #1 Cleaning	\$70,000	Per standards, anaerobic digesters such as the ones the Authority operates, are recommended to be drained and cleaned every 7-10 years. The Authority's largest digester, #1, had not been cleaned for over 7 years.
Top Large Projects	\$880,730	





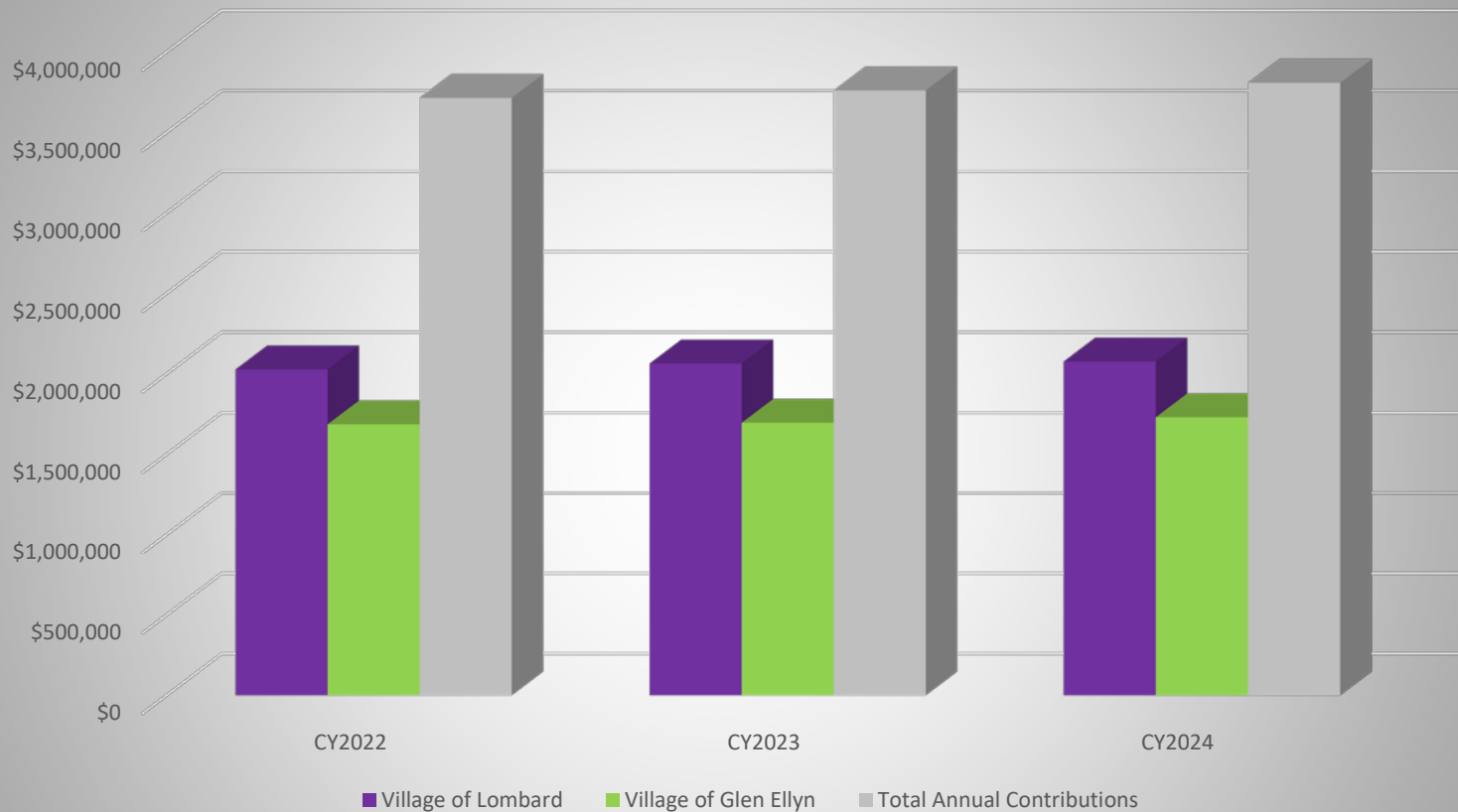
# Top CY2024 Capital Projects



Description	Project Budget Amount	Assumptions / Comments
Primary Clarifier & Gravity Thickener Rehabilitation Construction & Engineering	\$6,600,000	Much of the equipment associated with the Authority's primary clarifiers and gravity thickener is approaching or has exceeded the end of its useful life and is in need of replacement. This project will also incorporate some odor control aspects, and is scheduled to be completely funded with a low interest IEPA SRF loan. It is anticipated this project will be bid in early 2023 and completed in 2023
Administrative Parking Lot/Bemis Road Improvements	\$500,000	The Administrative Parking Lot, where most visitors park, is long overdue for replacement. This project will redesign and reconstruct the parking lot. In addition, the Authority is contributing some of the cost to reconstruct Bemis Road since the majority of the truck traffic the roadway sees is attributed to the Authority's operations.
Primary Sludge Line Direct Digester Feed	\$460,000	In conjunction with the Primary Clarifier Project, the Authority will be re-implementing a pipeline to deliver primary sludge directly to the digester, resulting in better operational performance, and less odors.
Facility Plan Study	\$200,000	Per the Intergovernmental Agreement that created the Authority, the Authority is to conduct a Facility Planning study every 5 years to gain a better outlook on its 10 year capital plan. The last Facility Plan was completed in 2019. This year's Facility Plan will focus heavily on the upcoming Biological Nutrient Removal Project
Plant Equipment Rehabilitation	\$1,247,535	The majority of the funds are budgeted towards rehabilitating the Authority's interceptors. This is a continuation of work that is being completed in 2023. This budget item also includes \$100k towards media used to clean the gas that burns in the Combined Heat and Power Units
Small Capital Projects	\$325,000	This budget item consists of small capital projects that have totaled up to a substantial amount. Some of these projects include new equipment, a solar feasibility study, interior LED projects, and more.
Top Large Projects	\$9,332,535	



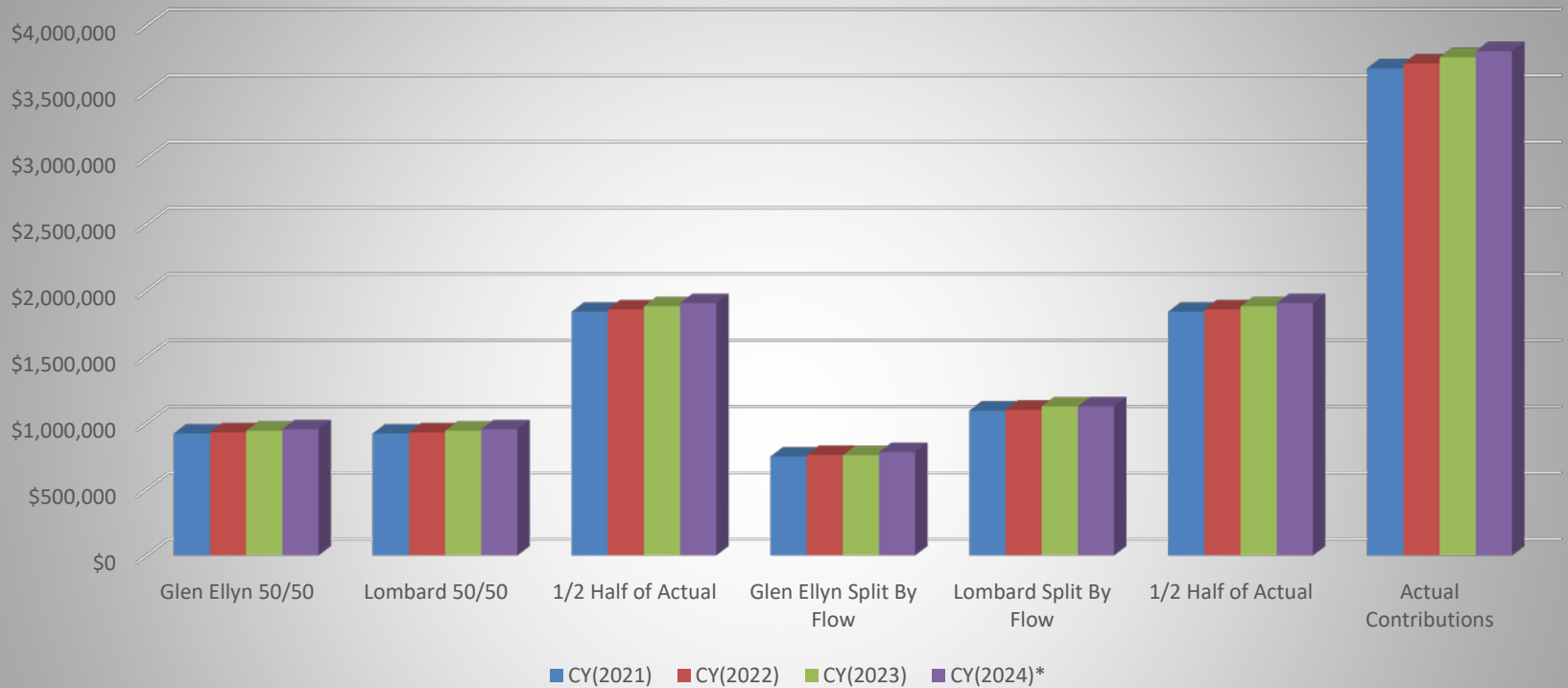
# Capital Fund 40 Contributions



	CY2022	CY2023	CY2024
Village of Lombard	\$2,027,415	\$2,064,416	\$2,077,085
Village of Glen Ellyn	\$1,686,820	\$1,696,247	\$1,730,587
Total Annual Contributions	\$3,714,235	\$3,760,663	\$3,807,672



# Capital Fund 40 Contribution Flow Splits

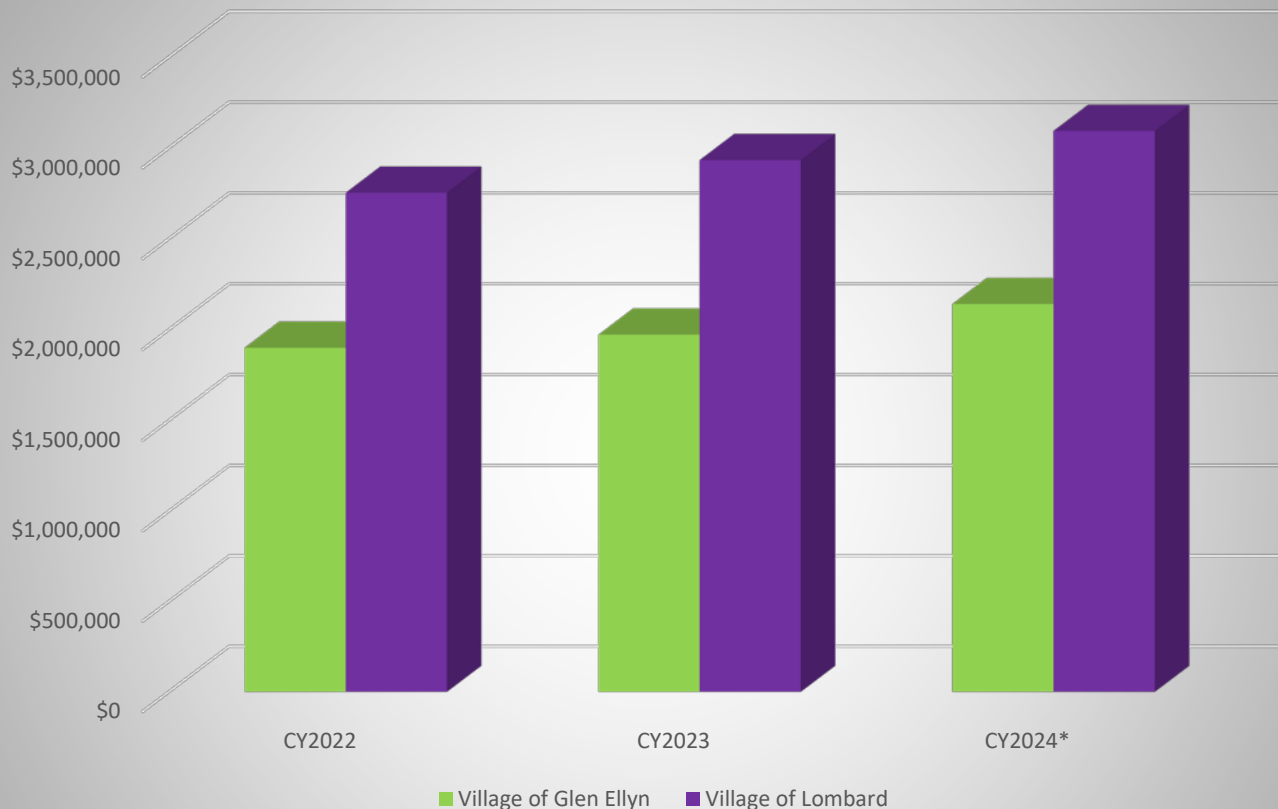


Fiscal Year	Glen Ellyn Split 50/50	Lombard Split 50/50	1/2 Half of Actual	Glen Ellyn Split By Flow	Lombard Split By Flow	% Flow Split By Partner	1/2 Half of Actual	Actual Contributions	Percentage Increase
CY(2021)	\$919,365	\$919,365	\$1,838,730	\$745,605	\$1,093,125	40.55/59.45	\$1,838,730	\$3,677,461	1%
CY(2022)	\$928,559	\$928,559	\$1,857,118	\$758,261	\$1,098,856	40.83/59.17	\$1,857,118	\$3,714,235	1%
CY(2023)	\$940,166	\$940,166	\$1,880,332	\$756,081	\$1,124,250	40.21/59.79	\$1,880,332	\$3,760,663	1.25%
CY(2024)*	\$951,918	\$951,918	\$1,903,836	\$778,669	\$1,125,167	40.90/59.10	\$1,903,836	\$3,807,671	1.25%



# Partner Allocations

## Operation & Maintenance



	CY2022	CY2023	CY2024*
Village of Glen Ellyn	\$1,899,909	\$1,972,295	\$2,140,801
Village of Lombard	\$2,753,309	\$2,932,691	\$3,093,432
Total Allocations	\$4,653,218	\$4,904,986	\$5,234,233

\* - Budgeted



# Significant Contributors

**Net Increase of \$329,247**

## **Increases - \$409,740**

- 38% Biosolids Hauling
- 17% Personnel
- 15% Natural Gas
- 7% Combined Heat & Power
- 5% Liquid Oxygen

## **Decreases - \$80,493**

- 45% Pretreatment
- 25% Fleet Services
- 12% Overhead Fees

82% (\$333,850) of increases =  
“uncontrollable”





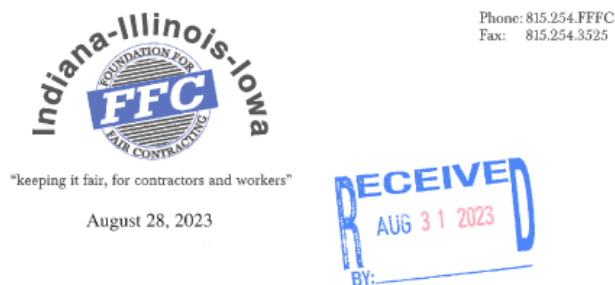
# House Bill 2845 (Now PW Act 103-0327)

## Changes

- Signed into law on July 28, 2023
- Requires that Prevailing Wage rates for GWA's "sludge" hauling

## Impacts

- Effective January 1, 2024
- Price Increases for Affected Customers
- Force Majeure Clause of Contract Enacted



Glenbard Wastewater Authority  
945 Bemis Rd  
Glen Ellyn, IL 60137

Re: Prevailing Wage Act Amendment - Public Act 103-0327

To Whom it May Concern:

The Indiana, Illinois, Iowa Foundation for Fair Contracting (III FFC) is a labor-management organization established to increase market share for responsible contractors, work opportunities for skilled craftsmen and craftswomen, and value for taxpayers. The III FFC raises standards in the construction industry by advocating for public policies that reward work, ensure business growth, and create broad-based prosperity. We accomplish our goals by working with public bodies to ensure compliance throughout all stages of a public construction project.

As a leading organization in Illinois' public construction industry, we are writing to inform you about Public Act 103-0327 (formerly House Bill 2845) which amends Section 2 of the Illinois Prevailing Wage Act and will impact municipalities and water treatment plants across the state.



August 18, 2023

Glenbard Wastewater Authority  
Matt Streicher

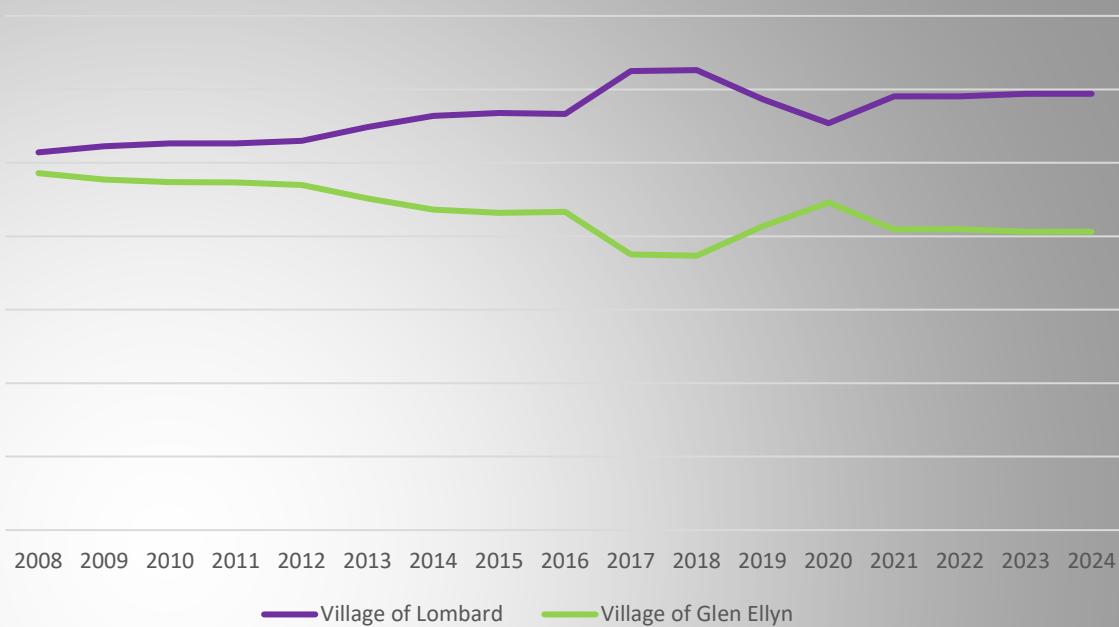
RE: Illinois Department of Labor Change in Law for Transportation and Hauling of Biosolids and Lime Residuals

On July 27, 2023, the State of Illinois Legislature passed revisions to the Illinois Department of Labor Code regulating Prevailing Wages within the State of Illinois. The Governor has signed these bills into law, which take effect on January 1, 2024. HB 2845 now requires that Prevailing Wage rates be paid to transportation providers and hauling services for removal and transportation of Biosolids and Lime residuals. Under the previous interpretation, these services were excluded from Prevailing Wage coverage. The changes passed by legislature, and now enacted into law were those we discussed in our previous letter of June 2022.

As a result of this Change in Law, and per the terms and conditions of the Force Majeure / Change in Law section of your contract with Synagro for Biosolids or Lime Residuals management services, Synagro will be required to adjust the Contract pricing for the services impacted by this Change in Law. While the State of Illinois has yet to provide a final determination of what the Prevailing Rates will be, we do anticipate that there will be cost increases, based on the new State requirements. Any cost increases would be effective on the first invoice of 2024. Synagro will continue to monitor the situation and provide updates to you regarding the forthcoming changes and potential cost increases, as soon as the State, and the



Flow Split



## Factors That Affect Flow Split

- Illinois American Water Valley View Subdivision Rehabilitation (2014)
- Inflow and Infiltration Reduction Efforts
- Additional/Increased Development
- Flow Metering Equipment/Service Provider
- Precipitation Amounts and Distributions
  - Combined/Separate System



# Proposed Partner Allocations

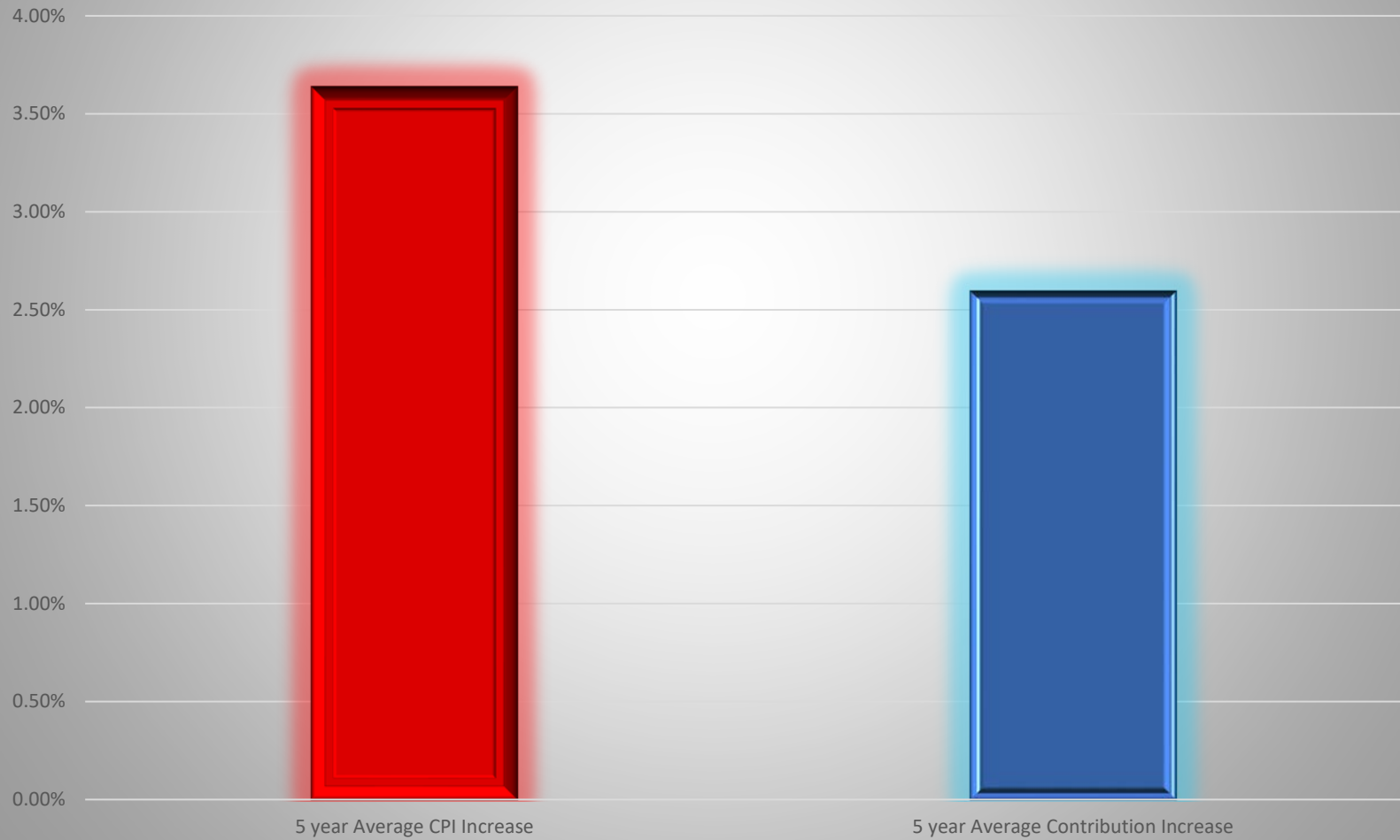
PROPOSED CY2024 PARTNERS ALLOCATION						
				LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund				3,093,432	2,140,801	5,234,233
		TOTAL O&M BUDGET		3,093,432	2,140,801	5,234,233
		CAPITAL EQUIPMENT REPLACEMENT FUND		2,077,085	1,730,587	3,807,671
		TOTAL O&M AND CAPITAL BUDGETS		5,170,516	3,871,388	9,041,904
Proposed CY2024 Partners Allocation Compared						
to Approved Expenses Allocated to Partners CY2023:						
		Operation & Maintenance		\$160,741	\$168,507	\$329,247
				5.48%	8.54%	6.71%
		Capital Improvements		\$12,669	\$34,340	\$47,008
				0.61%	2.02%	1.25%
		Total O&M and Capital Budgets		\$173,410	\$202,846	\$376,256
				3.5%	5.5%	4.3%



VS



CPI vs. GWA









# Awards & Recognition

- **US DOE 50001 Ready, May 2023**

- The standard provides requirements for establishing, implementing, maintaining, and improving an Energy Management System, that enables an organization to follow a systematic approach toward improving energy performance, efficiency, security, use, and consumption.



- **NACWA Platinum Performance Award, May 2023**

- 100% compliance with permits over a consecutive five-year period or longer (9 years)



- **WEF, WRF, NACWA, WR, and USWA - Utility of the Future Recognition, October 2023**

- Recognizes agencies engaged in advancing resource efficiency and recovery, developing proactive relationships with stakeholders, and establishing resilient, sustainable, and livable communities.





## Action Requested This Evening

The Glenbard Wastewater Authority Staff and the EOC kindly requests the Board of Directors of the Glenbard Wastewater Authority to approve the proposed  
CY2024 Budget in the amount of \$**18,271,145.**





## **SECTION 11.0**

# **PROPOSED CY2024 BUDGET APPROVAL**



**Glenbard  
Wastewater  
Authority  
CY2024 Budget**





November 13, 2023

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

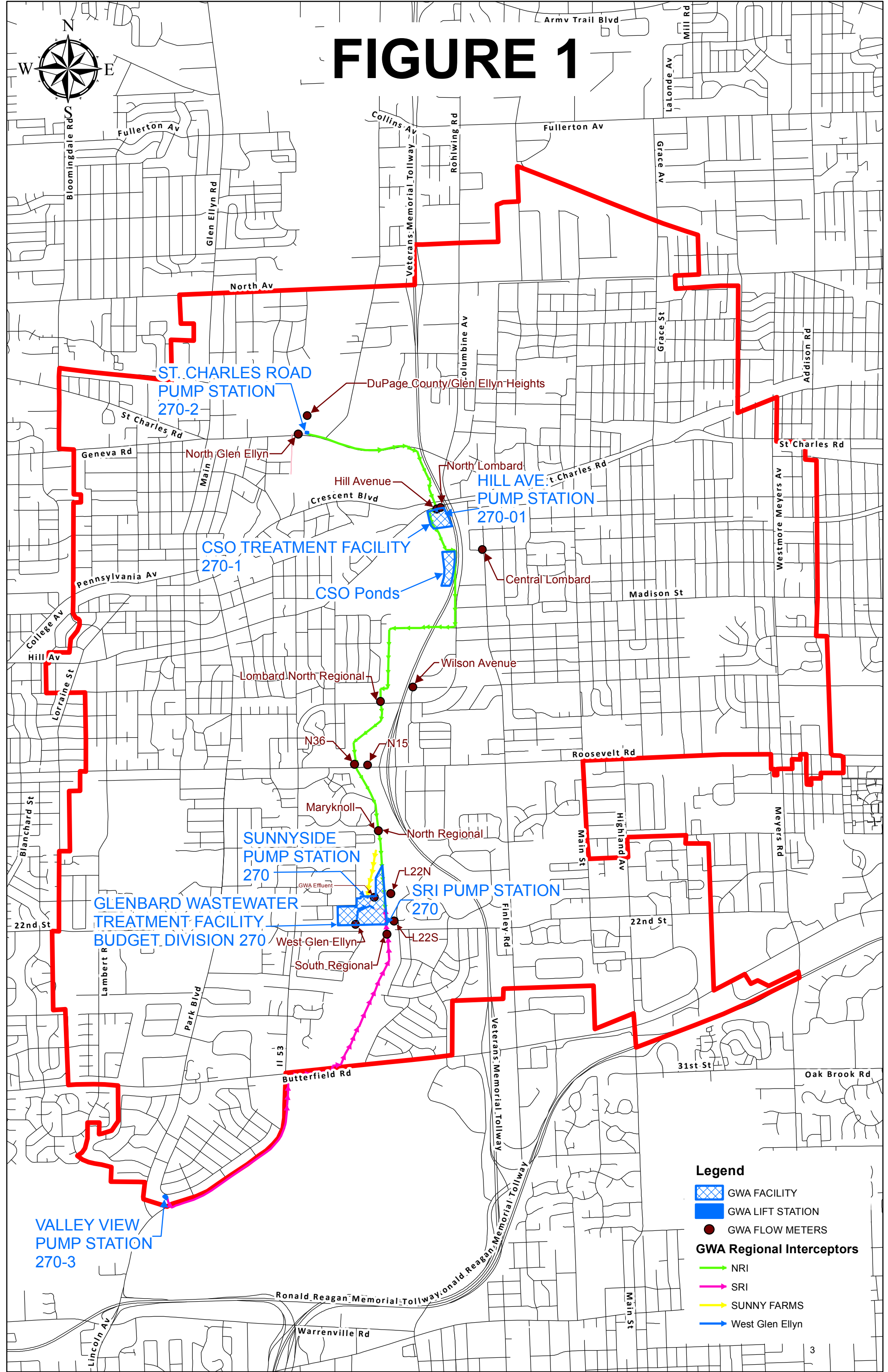
Subject: January 1, 2024 - December 31, 2024 Glenbard Wastewater Authority  
Budget (CY2024)

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



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>Interst 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			Footnotes	EXPENSES				% Difference CY23-CY24	\$ Difference CY23-CY24
Operations and Maintenance				Actual CY2022	Budgeted CY2023	Estimated CY2023	Budgeting CY2024		
Division 270									
Expense Allocation to Partners									
Personnel Services									
510100	Salaries - Regular		1	1,419,382	1,530,000	1,540,067	1,600,000	4.6%	70,000
510110	Salaries - Part-Time Ops.		2	43,193	65,000	53,791	65,000	0.0%	0
510200	Salaries - Overtime		3	50,209	66,000	62,192	66,000	0.0%	0
510300	Salaries - Temporary/Seasonal		4	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
	Total			1,741,326	1,870,648	1,850,239	1,958,435	4.7%	87,787
Contractual Services and Commodities									
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		5	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		6	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		7	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		8	29,393	30,000	23,000	30,000	0.0%	0
520825	Audit Fees / Pro. Serv. - Acct.		9	13,000	16,300	16,300	13,800	-15.3%	(2,500)
520885	Insurance - Liability (MICA)		10	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		11	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		12	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		13	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		14	139,238	145,504	145,500	136,161	-6.4%	(9,343)
521150	Sludge Disposal - Land Applied		15	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		16	346,402	450,000	380,540	450,000	0.0%	0
521202	Natural Gas		17	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		18	141,826	196,000	189,981	198,000	1.0%	2,000
530443	Liquid Oxygen		19	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
	Total			2,517,522	2,799,869	2,756,022	3,037,330	8.5%	237,461
TOTAL DIVISION 270				4,258,848	4,670,517	4,606,260	4,995,765	7.0%	325,247

## **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

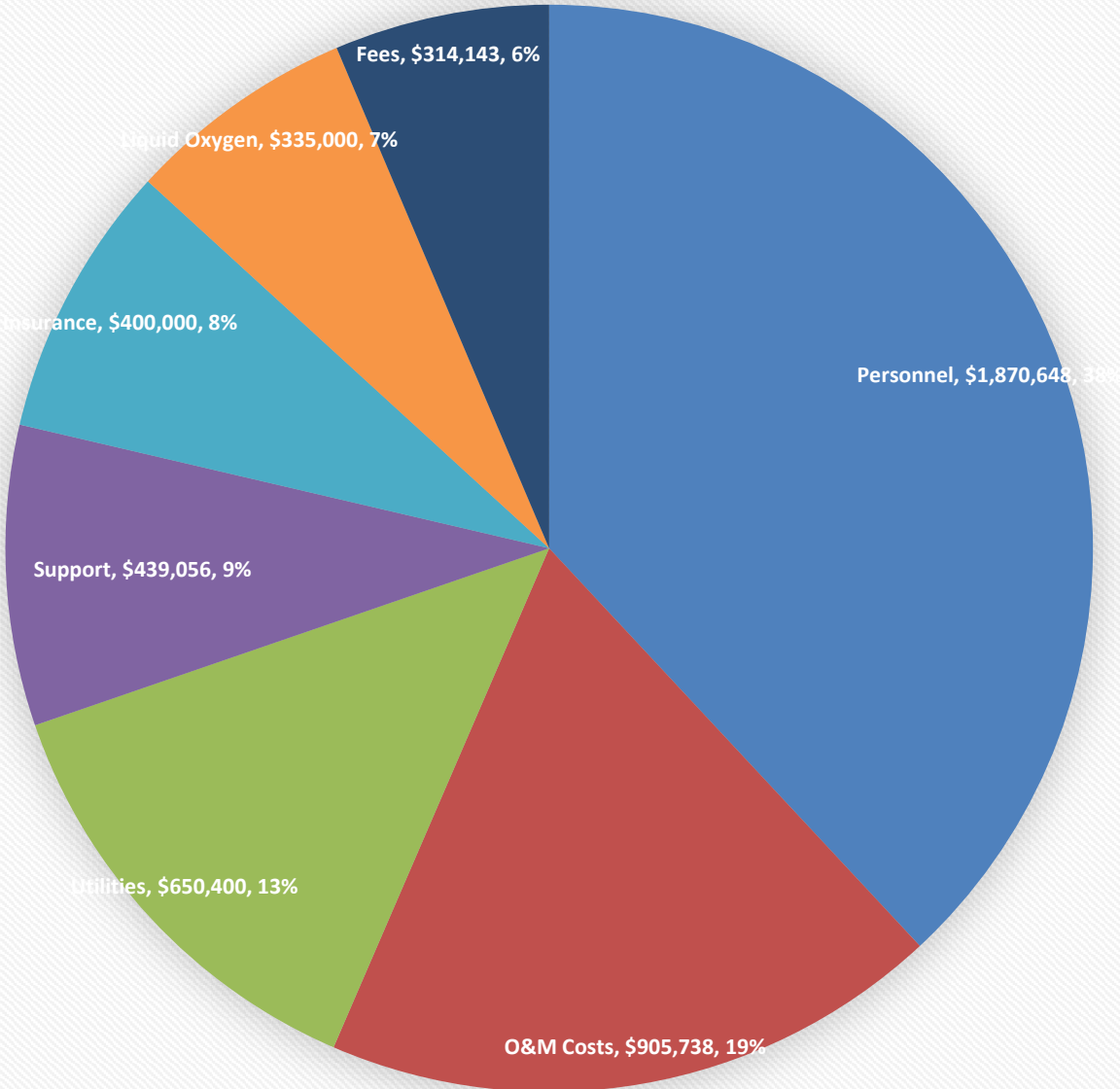
**(18) CHEMICALS (\$198,000):**

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)**

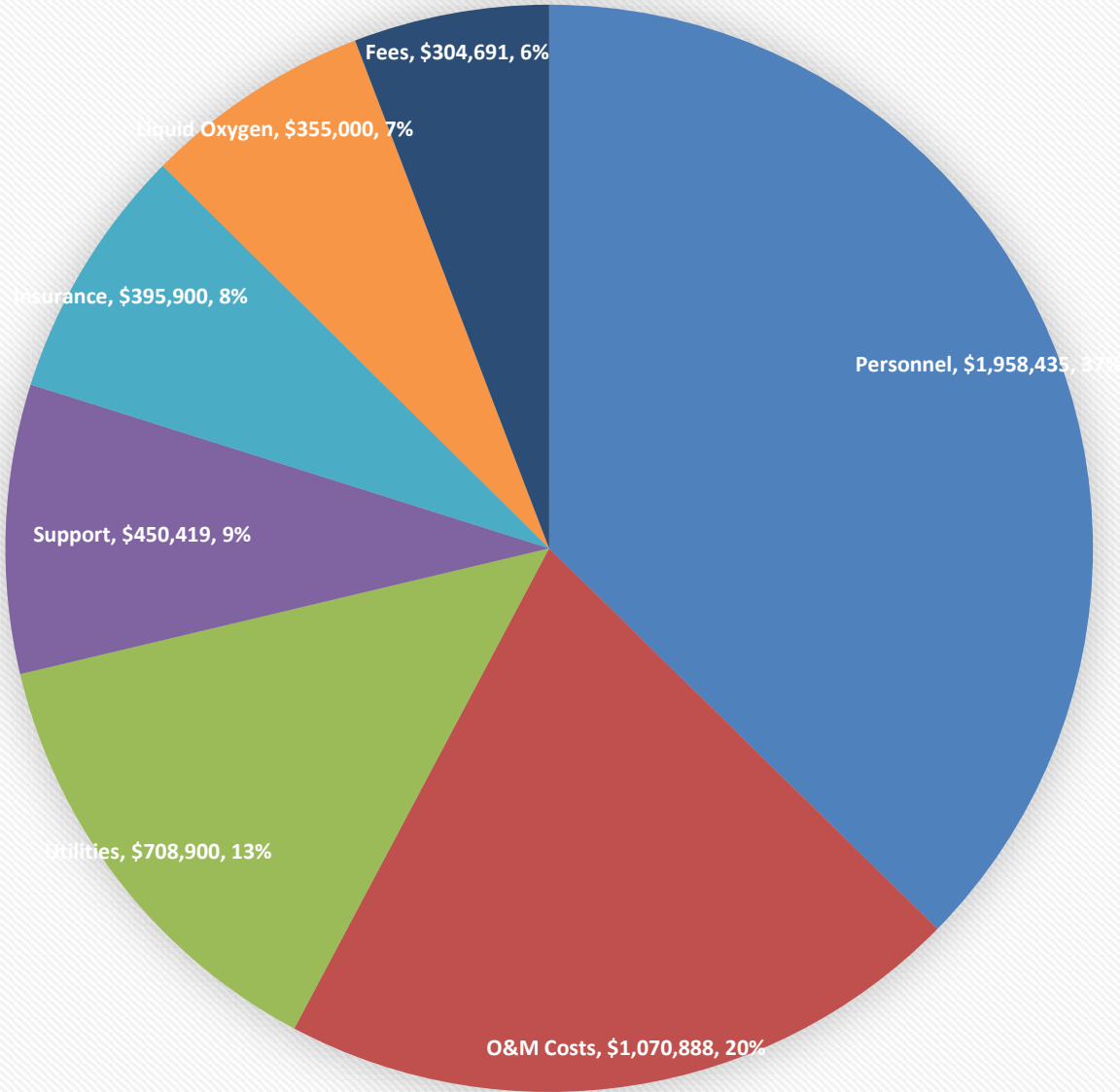
In CY2018 the Authority began to haul in pure oxygen from an outside provider. The transition to hauling it from an outside provider has allowed the Authority to start using less energy, while still operating the high purity oxygen system, and gave the ability to fine tune operations prior to converting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

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Tuition Assistance	Tuition Assistance			8,000	
<b>Total</b>			<b>\$0</b>		<b>\$8,000</b>

**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**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
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	300		300	
	I-Pass				
		<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	
		<hr/>		<hr/>	
			<b>\$1,000</b>		<b>\$1,000</b>

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

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
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>					
		<hr/> <b>\$36,218</b>		<hr/> <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/>	
				<b>\$30,000</b>	<b>\$30,000</b>

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**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
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**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
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**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
	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	
		<u>          </u>	<b>\$3,450</b>	<u>          </u>	<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	
		<u>          </u>	<b>\$1,500</b>	<u>          </u>	<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	
		<u>          </u>	<b>\$39,813</b>	<u>          </u>	<b>\$64,813</b>
<b>Bldg Z - SRI</b>	Salt/ Brine Parts (Snow)	250		250	
	Pump Parts/Seals	3,000		3,000	
		<u>          </u>		<u>          </u>	

**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**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
<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**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
<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**

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

**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**

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

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

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
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/>			
		<b>Total</b>	<b>\$230,000</b>		<b>\$385,000</b>



**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**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
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**

<b>Item</b>	<b>Recommendation</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
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**

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

**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**

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

**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**

			<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
520775	IEPA Regulatory Fees		20,000		20,000	
				<b>\$20,000</b>		<b>\$20,000</b>
520970	Building/Grounds	Misc. Repairs	2,500		2,500	
		Sidewalk Repairs	500		500	
	Bldg/Grnds - Support	Door/Lock/Window Repairs	500		500	
		Landscape Maintenance	5,768		5,768	
		Pest Control	100		100	
		Fire Extinguisher Service/Repairs	100		100	
		Tru-Green Chemlawn	0		0	
		Roof Inspection	0		0	
		Roof Repairs	500		500	
		Sidewalk Repairs	0		0	
				<b>\$9,968</b>		<b>\$9,968</b>
520975	Maintenance	Unanticipated Equipment Repairs	2,500		2,500	
		Hill Avenue Submersible Pump Service	1,000		1,000	
		Grease/Oil/Belts	2,500		2,500	
		Peristaltic Pump Replacement Hose	500		500	
	Equipment - Support	Unanticipated Equipment Repairs	0		0	
		RPZ Inspections	200		200	
				<b>\$6,700</b>		<b>\$6,700</b>
520980	Elect. Maintenance	Control Panel PM/Repairs	200		200	
		Electrical Distribution PM/Repairs	200		200	
		HVAC Equipment PM/Repairs	300		300	
		Instrumentation PM/Repairs	400		400	
		LAN PM/Repair	0		0	
		Lighting Equipment PM/Repairs	200		200	
		Motor PM/Repairs	250		250	



**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 it's useful like, 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 it's 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 Humidity 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.

price increase year over year

1.04

CURRENT Budget Year

2024

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

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	\$ -	\$ -	\$ -

price increase year over year  
CURRENT Budget Year

1.06  
2024

Building	Building	Most Recent	Known	Est	Scheduled	Paint
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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

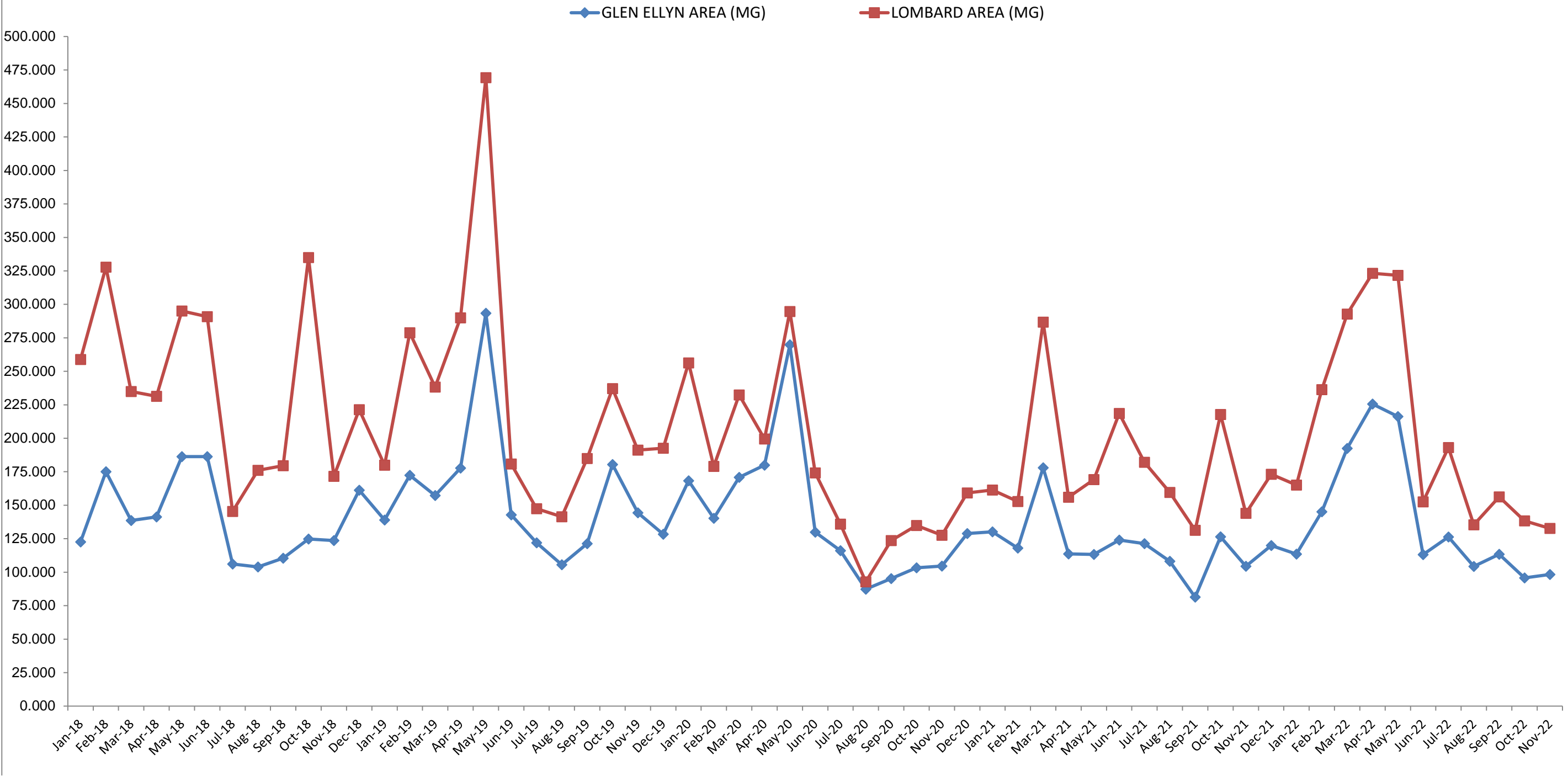
Glenbard Wastewater Authority  
Salary Schedule - January 1, 2024 through December 31, 2024

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 12.0**

**OTHER BUSINESS**

**SECTION 13.0**

**ADJOURNMENT**