

**Glenbard  
Wastewater  
Authority  
CY2024 Budget**





November 13, 2023

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

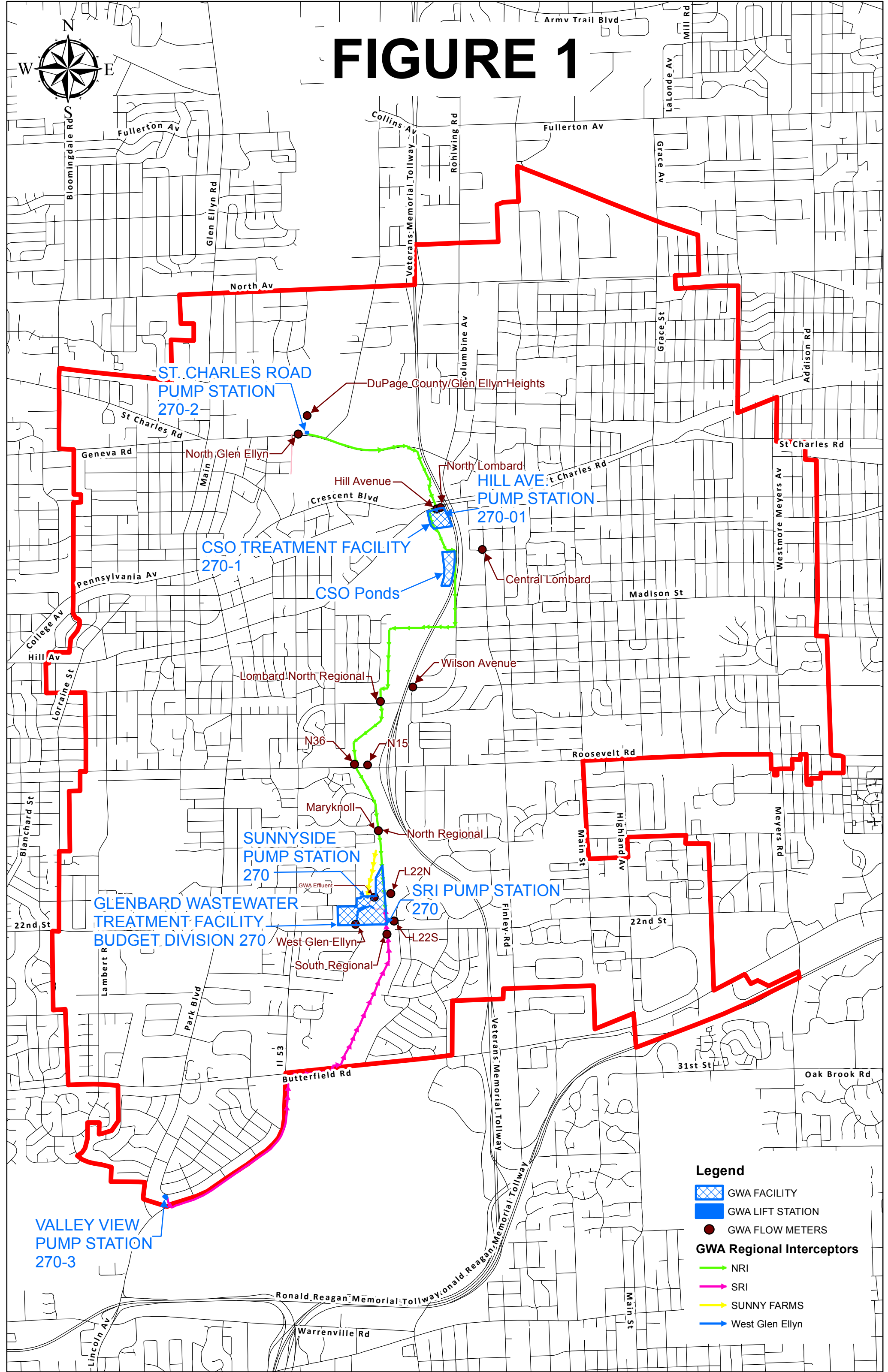
Subject: January 1, 2024 - December 31, 2024 Glenbard Wastewater Authority  
Budget (CY2024)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) CY2024 Budget. The Glenbard Team, with the help of the Village Managers, Public Works Directors, and Finance Directors developed the proposed budget that is being recommended for approval to the Glenbard Wastewater Authority Board. The proposed CY2024 partner allocation shows an overall increase of \$376,256, or 4.3%, compared to the approved CY2023 budget. The budget reflects a substantial capital improvement plan with the continuation of projects recommended in the most recent Facility Planning document. The most significant moderate-sized project is the construction of the Primary Clarifier Improvements Project. Smaller projects include equipment rehabilitation and replacement, small capital projects, and minor infrastructure upgrades. The Primary Clarifier Improvements Project construction expenses are scheduled to be offset with a bond. The proposed budget includes funding that will assure continued plant operation that exceeds regulatory standards resulting in improved water quality of the East Branch of the DuPage River.

## **BACKGROUND**

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

FIGURE 1



Legend

- GWA FACILITY
- GWA LIFT STATION
- GWA FLOW METERS
- GWA Regional Interceptors
  - NRI
  - SRI
  - SUNNY FARMS
  - West Glen Ellyn

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

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

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

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

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

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

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

## **AUTHORITY ORGANIZATION**

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

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

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

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

## **BUDGET ORGANIZATION**

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

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

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

The following is the fund allocation of the Capital fund:

Fund 40 - Equipment Replacement Fund

### **OPERATION AND MAINTENANCE (O&M) DIVISION**

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

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

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

### Cash Reserves / Working Cash

#### CY 2023

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

### Cash Reserves / Working Cash

#### CY 2024

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

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

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

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

1. **Personnel:** The CY2024 proposed GWA team level is at 19.00 full time equivalents (FTE). Personnel costs past years of full-time equivalent staff are shown below. SY14 figures indicate expenses for only 8 months due to transitioning to a calendar year in 2015. The figures are indicative of the efficiencies realized through the elimination of multiple shifts, automation and monitoring, and other optimization measures:

	<u>Budget</u>	<u>Actual</u>	<u>FTE</u>
FY98	\$1,433,080	\$1,212,197	27.5
FY99	\$1,286,970	\$ 981,950	25.0
FY00	\$1,074,863	\$ 837,826	20.0
FY01	\$ 897,041	\$ 720,472	18.3
FY02	\$ 882,500	\$ 806,680	17.9
FY03	\$ 936,000	\$ 919,780	17.0
FY04	\$ 979,600	\$ 974,996	16.8
FY05	\$1,065,500	\$1,120,334	15.9
FY06	\$1,163,100	\$1,127,850	15.9
FY07	\$1,219,100	\$1,140,272	15.9
FY08	\$1,254,550	\$1,112,348	14.9
FY09	\$1,197,300	\$1,102,174	14.3
FY10	\$1,235,100	\$1,188,486	15.8
FY11	\$1,328,200	\$1,308,850	15.8
FY12	\$1,372,900	\$1,314,985	15.8
FY13	\$1,368,150	\$1,306,959	15.8
FY14	\$1,410,000	\$1,373,903	15.8
SY14	\$1,066,800	\$1,012,932	17.8
CY15	\$1,555,700	\$1,545,123	17.8
CY16	\$1,619,400	\$1,570,642	18.8
CY17	\$1,647,000	\$1,583,225	18.8
CY18	\$1,612,000	\$1,583,762	18.8
CY19	\$1,728,690	\$1,700,842	18.8
CY20	\$1,797,543	\$1,738,147	18.75
CY21	\$1,827,670	\$1,808,559	18.75
CY22	\$1,912,464	\$1,648,288	19.00
CY23	\$1,870,648	\$1,850,239	19.00 (Estimated)
CY24	\$1,958,435		19.00 (Budgeted)

2. **O&M:** Expenses are budgeted in the amount of \$1,070,888. This includes electrical, mechanical, operational, laboratory and administrative operation and maintenance of plant equipment and the maintenance of buildings and grounds. It is imperative that the capital investment that the Villages have made in their wastewater facility be operated and maintained appropriately. These funds, coupled with



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

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

	<u>Actual</u>	
FY05	\$606,375	
FY06	\$588,400	
FY07	\$693,128	
FY08	\$1,194,869	
FY09	\$769,137	
FY10	\$873,093	
FY11	\$976,915	
FY12	\$1,163,751	
FY13	\$752,600	
FY14	\$799,084	
SY14	\$560,071	(8 Month Budget)
CY15	\$760,826	
CY16	\$1,023,100	
CY17	\$645,708	
CY18	\$672,769	
CY19	\$692,316	
CY20	\$618,717	
CY21	\$610,330	
CY22	\$522,580	
CY23	\$650,400	(Estimated)
CY24	\$708,900	(Budgeted)

4. **Support Services:** The following are budgeted as support for each of the specific disciplines; Operations, Maintenance, Maintenance Building and Grounds, and Electrical. The CY2024 budget is proposed at a cumulative amount of \$450,419. This includes the cost of specialized support services that are more effectively and/or efficiently purchased or contracted than completed internally. Support Services range from \$200 per year for software support to \$141,600 per year which includes upgraded flow meters, data analysis and meter maintenance fees.

5. **Insurance:** Expenses are budgeted in the amount of \$395,900 for Liability and Health. This number represents all insurance required for the Authority's daily business.

6. **Liquid Oxygen:** The newer process of having liquid oxygen delivered versus producing it onsite provides the Authority with flexibility to operate the biological process with lower dissolved oxygen levels which translate into saving cost on liquid hauling. The budget amount for this line item is \$355,000.
7. **Fees:** Expenses are budgeted in the amount of \$304,691. Fees include payments for service, memberships, or regulatory fees during CY2024.

## **CAPITAL FUND**

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

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

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

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

## **ALLOCATION OF EXPENSES**

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

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

the North side of the GWA Facility Planning Area, and Illinois American Water Company located on the South side of the GWA Facility Planning Area.

In CY2024 a five-year average flow split of 40.90% (Glen Ellyn) and 59.10% (Lombard) is being utilized to estimate the expense allocations for the Wastewater Treatment Facilities. The true ups during the budget year will adjust the members budgeted portions as the flow splits become actual.

The CY2024 budget is inclusive of O&M Division 270 with expense allocation tracking for all facilities. Glen Ellyn recoups some of their operating costs through billings to DuPage County and Illinois-American Water Company.

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

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

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

### **CONCLUSION**

The total proposed CY2024 budget and comparisons are as follows:

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

Respectfully Submitted,



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

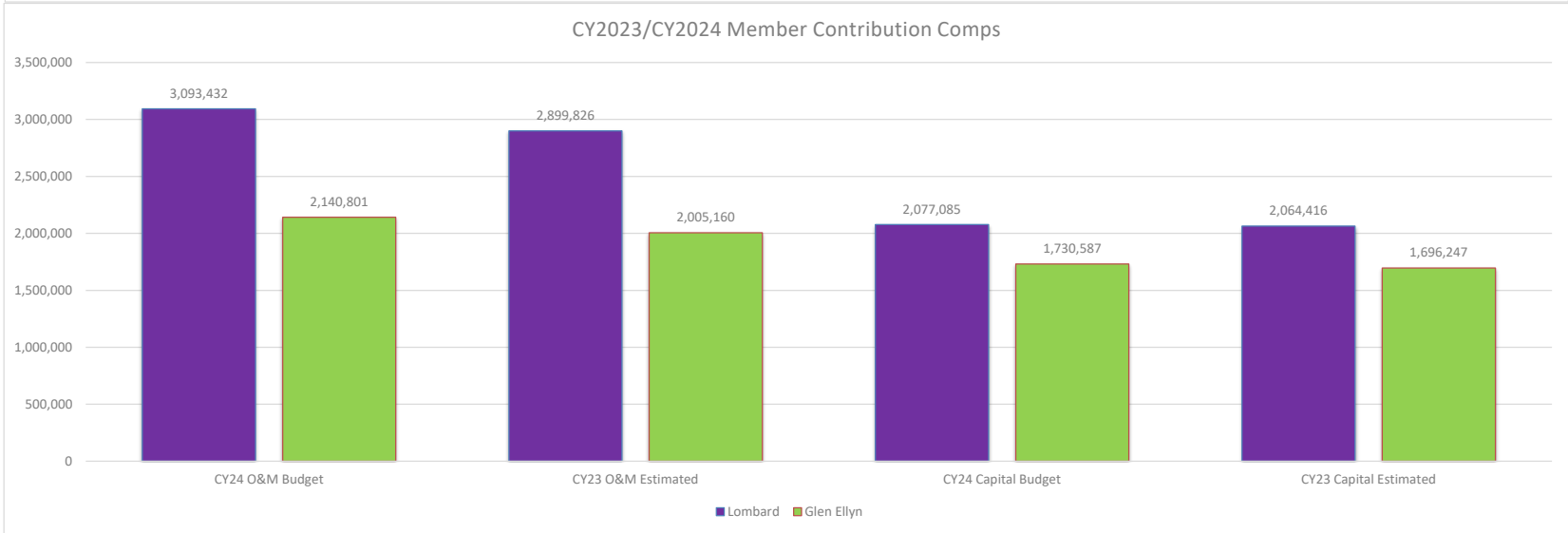
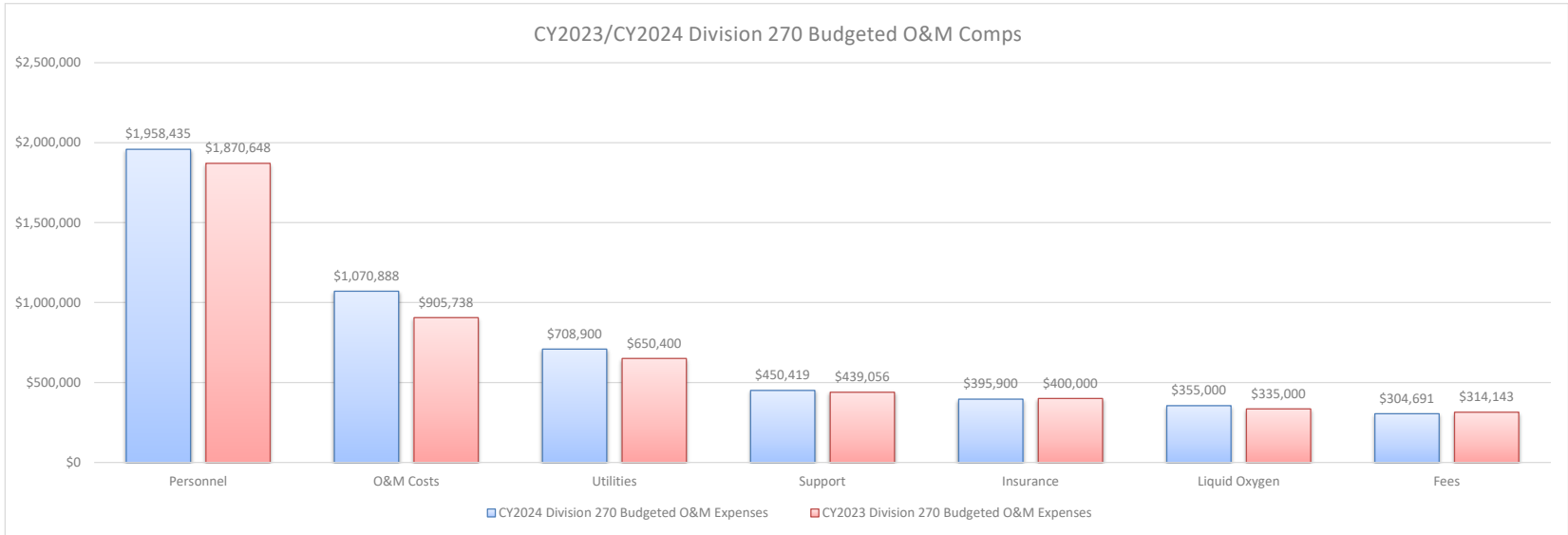
Glenbard Wastewater Authority  
Budget CY2024  
All Funds  
Expense Allocation to Partners

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



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

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



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

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

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

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

The SRI Lift Station is located on the southeastern corner of the Glenbard Plant. The station was built in 1992 to alleviate the overpowering flow of wastewater from the NRI that created sanitary sewer overflows of the South Regional Interceptor. The wastewater that is pumped through the SRI Lift Station is conveyed to the station by the South Regional Interceptor which receives flow exclusively from collection systems operated and maintained by Illinois-American Water, a private utility company regulated by the Illinois Commerce Commission. Glenbard provides wastewater treatment for Illinois-American Water, who pays a user charge for this service to the Village of Glen Ellyn.

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

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

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

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

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

Flow Split for Glen Ellyn: 40.90%

Flow Split for Lombard 59.10%

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

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

Flow Split for Glen Ellyn: 40.21%

Flow Split for Lombard 59.79%

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

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

Flow Split for Glen Ellyn: 40.83%

Flow Split for Lombard 59.17%

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



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

Footnotes

**EXPENSES**

		Actual CY2022	Budgeted CY2023	Estimated CY2023	Budgeting CY2024	% Difference CY23-CY24	\$ Difference CY23-CY24
<b>Personnel Services</b>							
510100	Salaries - Regular	1,419,382	1,530,000	1,540,067	1,600,000	4.6%	70,000
510110	Salaries - Part-Time Ops.	43,193	65,000	53,791	65,000	0.0%	0
510200	Salaries - Overtime	50,209	66,000	62,192	66,000	0.0%	0
510300	Salaries - Temporary/Seasonal	18,921	14,000	5,520	18,000	28.6%	4,000
510400	FICA	112,814	128,138	123,228	133,799	4.4%	5,661
510500	IMRF	96,808	67,511	65,441	75,636	12.0%	8,126
	State Unemployment	0	0	0	0	0.0%	0
	<b>Total</b>	<b>1,741,326</b>	<b>1,870,648</b>	<b>1,850,239</b>	<b>1,958,435</b>	<b>4.7%</b>	<b>87,787</b>
<b>Contractual Services and Commodities</b>							
520304	Tuition Assistance	0	0	0	8,000	0.0%	8,000
520305	Employee Recognition	0	1,000	1,000	1,000	0.0%	0
520600	Dues/Subs./Fees	11,734	12,880	10,784	14,184	10.1%	1,304
520615	Recruiting/Testing	3,851	1,000	700	1,000	0.0%	0
520620	Employee Education	15,131	27,300	27,000	32,200	17.9%	4,900
520625	Travel (Mileage)	128	300	280	300	0.0%	0
520700	Pro. Serv.-Legal Support	4,156	15,000	32,000	15,000	0.0%	0
520750	Legal Notices	537	1,000	587	1,000	0.0%	0
520775	Regulatory Fees	52,740	53,241	53,241	53,241	0.0%	0
520776	DuPage River Salt Creek Work Group Fee	35,163	36,218	36,218	37,305	3.0%	1,087
520806	Pro. Serv.-Lab Support	26,173	27,500	25,000	27,500	0.0%	0
520816	External Consulting Fees	29,393	30,000	23,000	30,000	0.0%	0
520825	Audit Fees / Pro. Serv. - Acct.	13,000	16,300	16,300	13,800	-15.3%	(2,500)
520885	Insurance - Liability (MICA)	124,479	140,000	123,690	137,000	-2.1%	(3,000)
520893	Wellness/Health Incentives	0	0	600	0	0.0%	0
520895	Insurance - Health	242,955	260,000	247,708	258,900	-0.4%	(1,100)
520970	Maint. - Bldg. & Grds.	2,812	9,950	9,800	9,950	0.0%	0
520971	Bldg. & Grounds - Support	31,112	56,450	43,696	67,665	19.9%	11,215
520975	Maint. - Equipment	182,402	119,188	180,206	147,038	23.4%	27,850
520976	Maint. - Support	63,109	73,300	130,596	52,950	-27.8%	(20,350)
520980	Maint. - Electronics	62,759	64,000	56,276	64,000	0.0%	0
520981	Elect. - Support	215,504	243,638	216,613	260,136	6.8%	16,498
520990	Operations - Supplies	7,182	17,100	16,718	22,700	32.7%	5,600
520991	Operations - Support	10,469	8,000	10,378	12,000	50.0%	4,000
521055	Professional Services - Other Support	0	4,000	0	4,000	0.0%	0
521130	Overhead Fees	139,238	145,504	145,500	136,161	-6.4%	(9,343)
521150	Sludge Disposal - Land Applied	220,954	230,000	226,867	385,000	67.4%	155,000
521195	Telecommunications	28,033	26,400	23,964	28,900	9.5%	2,500
521201	Electric Power	346,402	450,000	380,540	450,000	0.0%	0
521202	Natural Gas	62,336	65,000	68,548	120,000	84.6%	55,000
521203	Water	20,498	20,000	14,451	15,000	-25.0%	(5,000)
521204	Self-Gen Gas	6,736	6,000	5,899	8,000	33.3%	2,000
530100	Office Expenses	13,540	14,000	13,909	14,000	0.0%	0
530106	Operating Supplies - Lab	15,911	17,500	15,589	17,500	0.0%	0
530107	Pretreatment Expenses	0	45,000	43,295	8,800	-80.4%	(36,200)
530200	Administrative Purchases	0	1,000	1,000	1,000	0.0%	0
530225	Safety	27,142	26,100	24,519	23,100	-11.5%	(3,000)
530440	Chemicals	141,826	196,000	189,981	198,000	1.0%	2,000
530443	Liquid Oxygen	353,032	335,000	331,684	355,000	6.0%	20,000
530445	Uniforms	7,084	5,000	7,884	6,000	20.0%	1,000
	<b>Total</b>	<b>2,517,522</b>	<b>2,799,869</b>	<b>2,756,022</b>	<b>3,037,330</b>	<b>8.5%</b>	<b>237,461</b>
<b>TOTAL DIVISION 270</b>		<b>4,258,848</b>	<b>4,670,517</b>	<b>4,606,260</b>	<b>4,995,765</b>	<b>7.0%</b>	<b>325,247</b>

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

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

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

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

The Glenbard Plant operates 24 hours per day, 7 days per week. The SCADA System monitors the plant while it is not manned. Work *is* required on weekends and holidays to assure continued treatment and processing to meet stream discharge standards. Most of this work involves solids processing that must be done 7 days per week. Since roughly 1999 the Authority has used Part-Time Operators to provide operational inspections and solids processing on weekends and holidays. The use of five (5) part-time operations staff has allowed the full-time operations staff to work a regular work week without needing to work swing shifts or weekend work unless a situation arises. This has worked out well, and has resulted in not only better working arrangements for the full-time operations staff, but also utilizes an expanded pool of operators who can be called upon to help with the plant operations and are also paid at a lower part-time rate. This item is based on the equivalent of one (1) full time 40 hour per week employee. The item also covers the Part-Time Laborer position, a 20/week position, and temporary administrative assistance for when the Executive Assistant is absent.

**(3) SALARIES – OVERTIME (\$66,000):**

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

**(4) SALARIES – TEMPORARY/SEASONAL (\$18,000):**

This budget number includes 2 seasonal workers

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

The employee education budget includes costs for attendance at seminars, conferences, and other educational courses – and includes travel costs and reimbursements. In addition to encouraging staff to receive continuing education, in 2019 the Illinois Environmental Protection Agency revised the requirements for Wastewater Operators to maintain their licenses, and now require continuing education, therefore we know staff will need to attend more events in order to keep their status current. Also, in CY24 WEFTEC will be in New Orleans instead of Chicago (every other year rotation), therefore, additional costs are associated with attendance.

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

This item is used for legal needs regarding projects and contract reviews, lease agreements, access, and all other legal consultation. This item was increased for CY2021 due to the anticipated need for additional legal services in relation to the Facility Improvements Project, therefore, it had been lowered back down to

its traditional amount starting in CY22. The CY2023 estimated/actual costs far exceeded this number due to an unforeseen United States Environmental Protection Agency Performance Compliance Inspection that resulted in the need for representation

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

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

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

This item covers the cost to hire a consulting engineer for small specific tasks required to implement equipment changes, operational changes or general consultation. In CY2021 the amount was increased by \$5,000 due to the need for assistance to fulfill all the requirements mandated in the Authority's new NPDES permit issued towards the end of CY2021, however, those need will continue into CY2024. In addition, more funds are being budgeted in this account due to the Authority only having one engineer on staff, who is also the Director, and therefore will have greater needs for consulting engineering services.

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

The Audit fees for the Authority cover the cost of the Village of Glen Ellyn as the "Operating Agency" to hire a third-party financial firm to provide an audit of the CY2023 financials.

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

This item represents the annual premium cost of the Authority's coverage with Municipal Insurance Cooperative Agency (MICA), a pooled insurance program, which provides a protected self-insured plan. Included in this expense line is the annual premium payment to MICA for CY2023 and an excess liability policy. This Line item is a 2.1% decrease over what was in the CY2023 budget. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.

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

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

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

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

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

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

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

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

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

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

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

In CY2021 the Authority entered into a new four-year agreement with Direct Energy for a fixed fee of \$0.03958/kWh that took effect in February, 2022. Power consumption is directly impacted by wet weather conditions impacting our facilities. The Authority originally estimated this cost to be much lower (\$300,000) due to the potential electricity being produced by Combined Heat & Power (CHP) engine generators, however due the uncertainty of the co-digestion/HSW program, and its effect on the ability to generate more electricity, conservative numbers have been reinserted into the budget. Based on historical usage, the Finance Directors recommended the \$450,000 budget number for CY2024.

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

In CY2020 The Authority signed a three-year agreement which began in CY2021 (April 1) with Constellation Energy Services for a fixed fee of \$2.83 per dekatherm. These were historically low rates. In CY2023, after competitively procuring prices, the Authority found the low price of \$4.671 per dekatherm, as



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

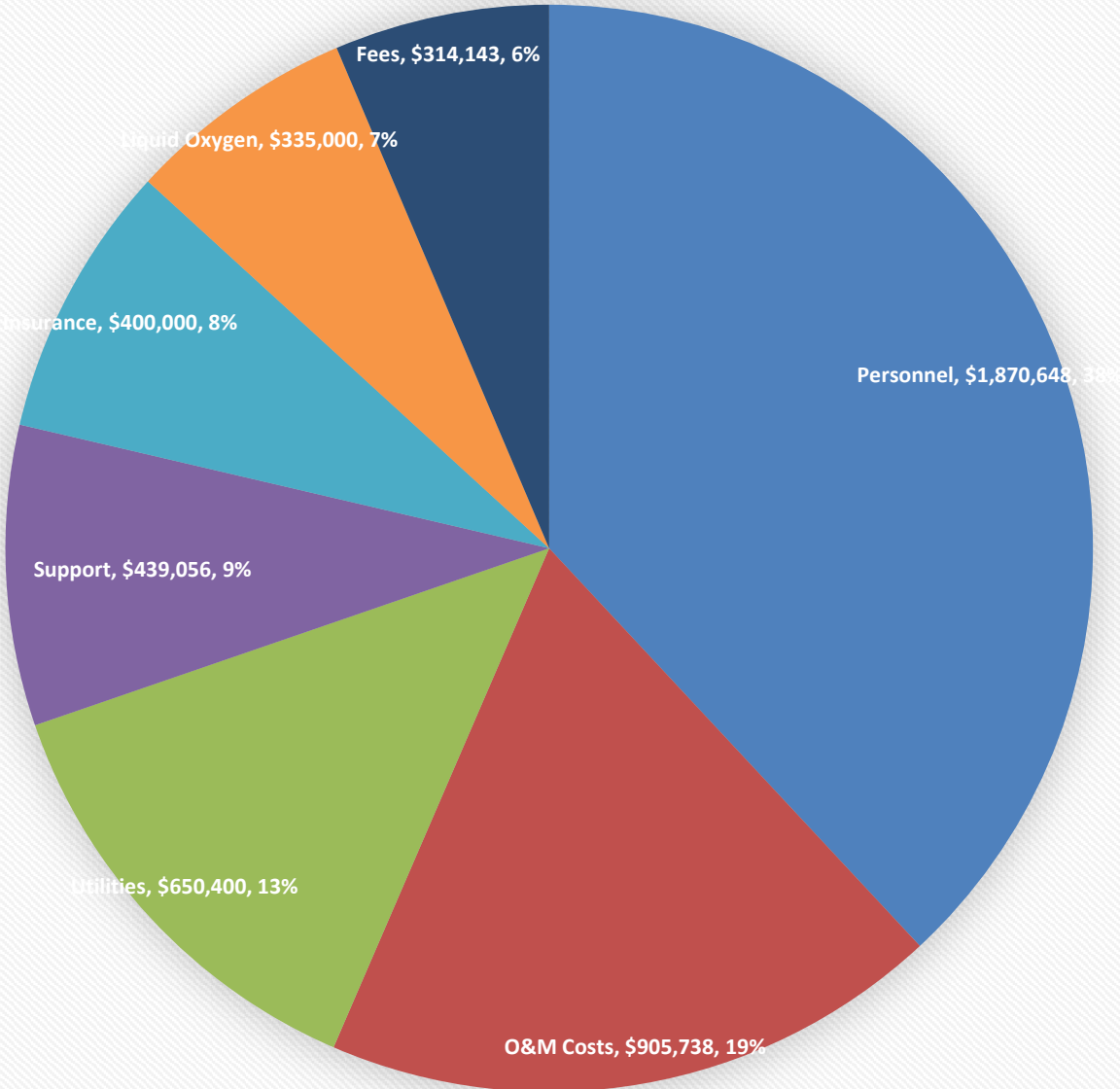
**(18) CHEMICALS (\$198,000):**

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

**(19) Liquid Oxygen (\$355,000)**

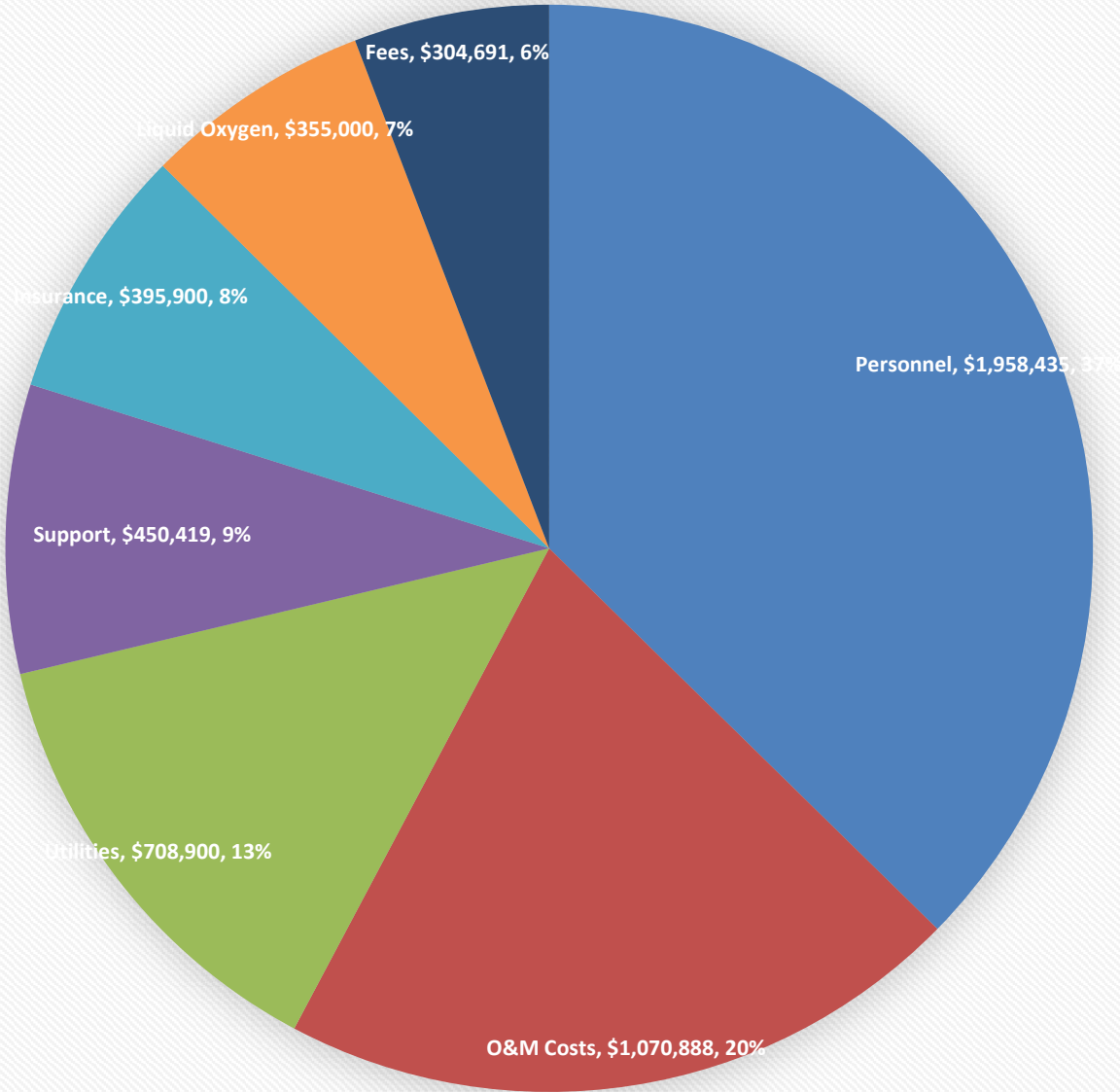
In CY2018 the Authority began to haul in pure oxygen from an outside provider. The transition to hauling it from an outside provider has allowed the Authority to start using less energy, while still operating the high purity oxygen system, and gave the ability to fine tune operations prior to converting to a biological nutrient removal process. Performing the transition could avoid shocks to the biological components of the overall treatment process as a result of moving directly from High Purity Oxygen (HPO) Activated Sludge process to Biological Nutrient Removal (BNR). The transition to liquid hauling also consumes less staff time since the cryogenic plant is no longer in operation. Traditionally, this number would decrease as a result of trying to refine actual numbers based on historical usage. However, the Authority's existing contract for supply of liquid oxygen expired in CY2022 and was rebid. The unit price came in higher, however, the Authority is now able to avoid unforeseen fees attached to invoices, such as delivery charges for off-hours and fuel surcharges. Coupled with the ability to reduce usage, along with higher material prices, this budget center is predicted to remain relatively stable into CY2027.

# CY2023 O&M Expenses



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

# CY2024 O&M Expenses



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

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

Item		Comments	CY23 Budgeted	CY24 Budgeting
510100	Salaries - Regular		1,530,000	1,600,000
510110	Part - Time Operations	= 1.0 Full Time Equivalent	65,000	65,000
510200	Laboratory Overtime		2,000	2,000
510200	Ops. Reg. Overtime		3,000	3,000
510200	High Flow Overtime		3,000	3,000
510200	Ops. Call-In Overtime		10,000	10,000
510200	Ops. SCADA Monitoring Overtime		21,000	21,000
510200	Maint. Regular Overtime		4,000	4,000
510200	Maint. Call-In Overtime		10,000	10,000
510200	Elec. Reg. Overtime		4,000	4,000
510200	Elec. Call-In Overtime		9,000	9,000
510300	Seasonal Labor	= .5 Full Time Equivalent	14,000	18,000
			<hr/>	<hr/>
			Salaries Regular, PT Ops & Seasonal	1,609,000
			Salaries Overtime (3)	66,000
			<hr/>	<hr/>
			<b>Salaries</b>	<b>1,675,000</b>
				<b>1,749,000</b>
510400	FICA - 7.65%		128,138	133,799
510500	IMRF - 4.54%		67,511	75,636
			<hr/>	<hr/>
			<b>Personnel Services</b>	<b>\$1,870,648</b>
				<b>\$1,958,435</b>

Glenbard Wastewater Authority  
CY2024 Recognition/Awards Budget  
270 520305

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

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

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

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

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

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

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



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

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

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

**Glenbard Wastewater Authority**  
**CY2024 Mileage Reimbursement Budget**  
**270 520625**

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

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

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

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

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

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

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
Glenbard Plant	IEPA Regulatory Fees associated with the NPDES permit and sludge disposal permit as legislated by State.	53,000		53,000	
	IEPA ROSS Air Emissions Fee	241		241	
		<hr/>		<hr/>	
				<b>\$53,241</b>	<b>\$53,241</b>

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

Recommendation		CY23 Budgeted	Total	CY24 Budgeting	Total
GWA	Workgroup Membership Dues	36,218		37,305	
<p>Based on the approval of TMDL (Total Max. Daily Load) reports which address the water quality of the local streams and rivers relative to their Dissolved Oxygen and Chloride Levels, the IEPA has directed all wastewater treatment facilities in DuPage County to reserve funds for the efforts to improve water in Salt Creek and the East/West Branches of the DuPage River. This proposed funding is based on Work Group method established on January 26, 2005 and represents Contribution for the Glenbard Wastewater Authority by Million Gallons per Day.</p> <p>The Work group research has found that habitat improvement is showing positive signs after multiple dam removal efforts. DRSCWG is working with the IEPA to help promote scientific data for improved watershed quality.</p>					
			<b>\$36,218</b>		<b>\$37,305</b>

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

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

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

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



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

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

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

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

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

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

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

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

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

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

Description	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
GWA Building/Grounds	Janitorial Supplies for Custodians	2,500		2,500	
	Door/Lock/Misc Repairs	1,750		1,750	
	Bldg./Equipment. Painting Supplies (Non-Contract)	750		750	
	Misc. Repair Parts	2,000		2,000	
	Mulch	400		400	
	Planting Beds	300		300	
	Grass Seed	750		750	
	Topsoil	1,500		1,500	
			<b>\$9,950</b>		<b>\$9,950</b>

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

<b>DESIGNATION</b>	<b>RECOMMENDATIONS</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Glenbard Plant	Roofing Systems Survey	0		0	
	Contractor Door/Lock Repairs	2,500		2,500	
	Spoil Removal	0		0	
	Shop Towel Service	2,500		2,500	
	Fire Extinguisher Service/Repairs	3,200		2,900	
	Elevator Service/Repairs	0		0	
	Elevator Press Tests	1,500		1,500	
	Elevator Inspections	3,000		3,000	
	Landscape Maintenance	20,625		20,640	
	One-time Landscape/Shrub Cleanup			8,000	
	Pest Control	300		300	
	Tru-Green Chemlawn - Turf/Shrub Disease Control	5,000		5,000	
	Contracted Window Repairs	1,000		1,000	
	Contracted Janitorial Service	14,000		17,500	
	Unanticipated Contracted Building/Grounds Repairs	2,000		2,000	
	Admin Window Cleaning Contract	825		825	
			<b>\$56,450</b>		<b>\$67,665</b>

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

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

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

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Bldg A - Bar Screen</b>	Bar Screen PM/Repairs	1,200		1,200	
	Rag Washer PM/Repairs	250		1,750	
	Isolation Gate PM/Repair	100		100	
	Potable Water System PM/Repairs	100		0	
	Non-Potable Water System PM/Repairs	100		100	
			<b>\$1,750</b>		<b>\$3,150</b>
<b>Bldg B - Raw Pump</b>	Potable Water System PM/Repair	100		100	
	Non-Potable Water System PM/Repair	1,500		1,500	
	Raw Pump PM/Repair	1,000		1,000	
	Isolation Gate PM/Repair	100		100	
			<b>\$2,700</b>		<b>\$2,700</b>
<b>Bldg C - Grit</b>	Potable Water System PM/Repairs	100		100	
	Non-Potable Water System PM/Repairs	100		100	
	Grit Collection System PM/Repairs	200		200	
	Grit Pump System PM/Repairs	100		100	
	Grit Washer System PM/Repairs	750		750	
	Blower System PM/Repairs	200		200	
	Odor Control PM/Repair	2,500		2,500	
			<b>\$3,950</b>		<b>\$3,950</b>
<b>Bldg D - Primary Pump</b>	Potable Water System PM/Repairs	0		0	
	Sump Pump System PM/Repairs	250		250	

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

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



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

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
	Valve PM/Repair	<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	<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	<u>750</u>	<b>\$1,050</b>	<u>1,500</u>	<b>\$1,800</b>
<b>Bldg N - Warehouse</b>	Shelving Rehab	<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	<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
Bldg Q - Cryo	Oil and Filters	0		0	
	Misc. Parts	0		0	
	Instrument Air System PM/Repair	2,000		2,000	
	Potable Water System PM/Repair	100		100	

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

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
	Replacement PRV's	0		0	
	Emergency Repair/Parts	1,000		1,000	
			<b>\$3,100</b>		<b>\$3,100</b>
<b>Bldg R - Admin</b>	Lavatory Repair Parts	1,000		1,000	
	Laboratory Systems PM/Repair	500		500	
	Washer/Dryer Parts	500		500	
			<b>\$2,000</b>		<b>\$2,000</b>
<b>Bldg S - Maintenance Garage</b>	Welding Supplies	1,500		1,500	
	Potable Water System PM/Repair	250		250	
	Compressed Air System PM/Repair	500		500	
	Shop Tools (lathe,mill,power,hand,trucks)	2,500		3,500	
			<b>\$4,750</b>		<b>\$5,750</b>
<b>Bldg T - CRAS/Electric Shop</b>	Compressed Air System PM/Repair	100		100	
	Potable Water System PM/Repair	50		50	
	Non-Potable Water System PM/Repair	150		150	
	Carbo Pumping System PM/Repair	300		300	
	Carbo Piping PM/Repair	100		100	
			<b>\$700</b>		<b>\$700</b>
<b>Bldg U - Digester</b>	Boiler Parts / Cleaning	500		1,000	
	Non-Potable Water System PM/Repair	150		150	

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

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
	Potable Water System PM/Repair	50		50	
	Boiler PM/Repair	750		750	
	Recirculation Pump PM/Repair	750		750	
	Mixing Pump PM/Repair	500		500	
	Digester PM/Repair	250		250	
	Bio-gas System PM/Repair	250		250	
	Oil and Belts	250		250	
			<b>\$3,450</b>		<b>\$3,950</b>
<b>Bldg V - Co-Gen</b>	Coolant (Completed in 2017)	0		0	
	Oil	0		0	
	Filters (Air/Oil)	1,500		1,500	
	Miscellaneous (Plugs, Coils, etc.)	0		0	
			<b>\$1,500</b>		<b>\$1,500</b>
<b>Bldg Y - CHP</b>	600 Hour Service Interval (17 Intervals per engine)	18,000		18,000	
	1200 Hour Service Interval (6 Intervals per engine)	20,813		20,813	
	7500 Hour Service Interval (1 Interval per engine)	0		0	
	12000 Hour Service Interval (1 Interval per engine)	0		25,000	
	20000 Hour Service Interval (1 Interval per engine)	0		0	
	Recommended Spare Parts	1,000		1,000	
			<b>\$39,813</b>		<b>\$64,813</b>
<b>Bldg Z - SRI</b>	Salt/ Brine Parts (Snow)	250		250	
	Pump Parts/Seals	3,000		3,000	

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

Designation	Recommendations	CY23 Budgeted	Total \$3,250	CY24 Budgeting	Total \$3,250
	<b>Miscellaneous</b>				
	Paints/Supplies	500		500	
	Replacement Tools	3,500		3,500	
	Oil Analysis	200		200	
	Batteries (Cordless Tools)	2,000		2,000	
	Hardware -- Bolts/Nuts/Drills/Taps	4,000		4,000	
	Parts Repair Shipping Costs (Freight)	250		250	
	Portable Pump Hose Replacements	200		200	
	Vacuum Hose Replacment	0		0	
	Safety Lane Vehicle Inspections	0		0	
	Hardware -- PVC Piping	1,000		1,000	
	Hardware -- Process Piping	1,000		1,000	
	Misc. Valves/Repair Clamps	1,000		1,000	
	Manhole Repair Parts	2,000		2,000	
	Unanticipated Equipment Repair Parts	2,000		2,000	
			<b>\$17,650</b>		<b>\$17,650</b>
<b>GWA Facilities</b>	<b>TOTAL</b>		<b>\$119,188</b>		<b>\$147,038</b>

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

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

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

<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**

<b>Designation</b>	<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
<b>Warehouse</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	<b>Warehouse Total</b>		<b>\$800</b>		<b>\$800</b>
<b>UV</b>	Control Panel PM/Repairs	1,000		1,000	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	300		300	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	<b>UV Total</b>		<b>\$2,700</b>		<b>\$2,700</b>



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

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Press</b>	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	500		500	
	HVAC Equipment PM/Repairs	500		500	
	Instrumentation PM/Repairs	1,000		1,000	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	<b>Press Total</b>		<b>\$3,400</b>		<b>\$3,400</b>
<b>Cryo</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	400		400	
	Telecommunications PM/Repairs	0		0	
			<b>\$1,100</b>		<b>\$1,100</b>

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

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Administration</b>	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	500		500	
	Instrumentation PM/Repairs	400		400	
	LAN PM/Repairs	300		300	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	500		500	
	<b>Administration Total</b>		<b>\$2,900</b>		<b>\$2,900</b>
<b>Maintenance Garage</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	200		200	
	<b>Maintenance Garage Total</b>		<b>\$1,300</b>		<b>\$1,300</b>

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

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>CRAS</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	800		800	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	300		300	
	<b>CRAS Total</b>		<b>\$2,200</b>		<b>\$2,200</b>
<b>Digester</b>	Control Panel PM/Repairs	300		300	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	400		400	
	Instrumentation PM/Repairs	500		500	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	500		500	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	<b>Digester Total</b>		<b>\$3,300</b>		<b>\$3,300</b>

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

Designation	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>CHP</b>	Control Panel PM/Repairs	300		300	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	400		400	
	Instrumentation PM/Repairs	500		500	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	500		500	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	<b>Digester Total</b>		<b>\$3,300</b>		<b>\$3,300</b>
<b>Co-Gen</b>	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	300		300	
	Instrumentation PM/Repairs	800		800	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	300		300	
	Safety Equipment PM/Repairs	300		300	
	SCADA System PM/Repairs	300		300	
	Telecommunications PM/Repairs	0		0	
	<b>Co-Gen Total</b>		<b>\$2,800</b>		<b>\$2,800</b>
<b>Electrical Supplies</b>	Conduit, wire, enclosures, fittings, switches, batteries, cleaning supplies, contact cleaners electronic components, Pneumatic Tubing & Fittings Thermal Overloads, fasteners, strut				

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

<b>Recommendations</b>	<b>CY23 Budgeted</b>	<b>Total</b>	<b>CY24 Budgeting</b>	<b>Total</b>
Peerless Networks	6,000		4,800	
Security Panel (1904)				
SCADA WIN-911 on SCADA 1 & 2 (0958, 0689)				
Dedicated Elevator (1486),				
Brokered Nat. Gas Meter Reader (0407)				
St.Charles Lift Station Fire Panel Primary & Backup				
B&B Technologies SIP Trunk. 911 Service, DID's, E-Fax	3,300		3,500	
Cell Phone Reimbursements (Matt, Asst. Director, LSC)	2,400		1,800	
Comcast Internet - Primary ISP	4,000		4,200	
AT&T Internet - Secondary ISP (U-Verse)	1,100		1,200	
Verizon Cellular Service - Phones, tablets	6,400		10,000	
Verizon Cellular Service - RTU Radio Network	3,200		3,400	
		<b>\$26,400</b>		<b>\$28,900</b>

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

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

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

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

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

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

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

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



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

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

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

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

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

<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**

Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
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

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

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

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



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

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

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

**Budget CY2024**

**Operations & Maintenance**

**Division 270-1**

**Stormwater Plant & Hill Avenue Lift Station**

**EXPENSES**

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

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

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

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

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

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

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

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

**Budget CY2024**

**EXPENSES**

**Operations & Maintenance**

**270-2**

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

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

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

	Item	Recommendations	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>St. Charles L.S.</b>						
520970 SC	Bldg and Grounds	Miscellaneous	150		150	
		Annual RPZ Certification	150		150	
		Annual Fire System Certification	150		150	
				<b>\$450</b>		<b>\$450</b>
520975 SC	Maint. Equip.	Misc Parts/Oils (Post Warranty)	1,500		1,500	
		Generator Diesel Fuel	2,500		2,500	
		Submersible Pumps Annual Maintenance	5,000		5,000	
		Generator Service	1,100		1,100	
				<b>\$10,100</b>		<b>\$10,100</b>
520980 SC	Maintenance Electronics	Control Panel PM/Repairs	200		200	
		Electrical Distribution PM/Repairs	100		100	
		HVAC Equipment PM/Repairs	200		200	
		Instrumentation PM/Repairs	200		200	
		Lighting Equipment PM/Repairs	100		100	
		Misc Spare Parts	200		200	
		Motor PM/Repairs	200		200	
		SCADA System PM/Repairs	500		500	
		Telecommunications PM/Repairs	100		100	
				<b>\$1,800</b>		<b>\$1,800</b>
521201 SC	Electric Power		20,000		20,000	
				<b>\$20,000</b>		<b>\$20,000</b>
<b>NRI</b>						
520970 NRI	Maint Piping and Grounds	Misc. repairs to the exposed manholes	500		500	
				<b>500</b>		<b>\$500</b>
<b>Total 270-2</b>				<b>\$32,850</b>		<b>\$32,850</b>

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

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

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



**Budget CY2024**  
**Operations & Maintenance**  
**270-3**  
**SRI / Valley View L.S.**

**EXPENSES**

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

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

DESIGNATION	Item	Recommendation	CY23 Budgeted	Total	CY24 Budgeting	Total
<b>Valley View Lift Station</b>						
520970 VV	Bldg./Grnds - Support	Miscellaneous	1,000		1,000	
		Annual RPZ Certification	200		200	
				<b>\$1,200</b>		<b>\$1,200</b>
520975 VV	Maint. Equip.	Misc Parts/Oils (Post Warranty)	1,500		1,500	
		Generator Diesel Fuel	1,500		1,500	
		Pump Maintenance	2,000		2,000	
		Generator Service	1,500		1,500	
				<b>\$6,500</b>		<b>\$6,500</b>
520980 VV	Maint, Electronics	Control Panel PM/Repairs	50		50	
		Electrical Distribution PM/Repairs	100		100	
		HVAC Equipment PM/Repairs	100		100	
		Instrumentation PM/Repairs	100		100	
		LAN PM/Repairs	0		0	
		Lighting Equipment PM/Repairs	50		50	
		Motor PM/Repairs	100		100	
		SCADA System PM/Repairs	500		500	
		Telecommunications PM/Repairs	0		0	
				<b>\$1,000</b>		<b>\$1,000</b>
521201 VV	Electricity			<b>\$13,000</b>		<b>\$13,000</b>
521203 VV	Water			<b>\$2,000</b>		<b>\$2,000</b>
				<b>\$0</b>		<b>\$0</b>
<b>Total 270-3</b>				<b>\$23,700</b>		<b>\$23,700</b>

# Capital

GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

REVENUE in Thousands \$		Footnotes	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)	CY(2031)	CY(2032)	CY(2033)	CY(2034)	CY(2035)	CY(2036)	CY(2037)	CY(2038)	CY(2039)	CY(2040)	CY(2041)	CY(2042)	CY(2043)	CY(2044)
			Estimated	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing	1			6000		5000			5000		10000	10000	10000	0	0	0	0	0	0	0	0	0	0	0
Investment Income			200	125	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Glen Ellyn Conn Fees			105	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Lombard Conn Fees			70	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Demand Response Program	2		8	8																				
Leachate Revenue	3		5	5	5																			
Fats Oil & Grease (FOG) / Industrial Waste Tipping Fees	4		125	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Cell Tower Revenue	5		67	71	76	80	85	90	96	101	107	114	121	128	136	144	152	162	171	182	192	204	216	229
Operating Surplus Transfers	6		376	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Pretreatment Fines			0	0																				
Renewable Energy Credits			72	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Misc. Revenue			24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Capital Fund Contribution - Glen Ellyn			1696	1731	1735	1757	1779	1801	1823	1846	1869	1892	1916	1940	1964	1989	2014	2039	2064	2090	2116	2143	2170	2197
Capital Fund Contribution - Lombard			2064	2077	2120	2147	2174	2201	2228	2256	2284	2313	2342	2371	2401	2431	2461	2492	2523	2555	2587	2619	2652	2685
Total Capital Fund Contribution	7		3761	3808	3855	3903	3952	4002	4052	4102	4154	4206	4258	4311	4365	4420	4475	4531	4588	4645	4703	4762	4821	4882
TOTAL REVENUE			4813	10323	4262	9310	4363	4418	9473	4530	14587	14645	14705	4765	4827	4890	4953	5019	5085	5152	5221	5292	5364	5437
EXPENSES in Thousands \$			CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)	CY(2031)	CY(2032)	CY(2033)	CY(2034)	CY(2035)	CY(2036)	CY(2037)	CY(2038)	CY(2039)	CY(2040)	CY(2041)	CY(2042)	CY(2043)	CY(2044)
Debt Service Payments:			Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Ana Digester Project Debt Payment (P&I)	8		637	637	319																			
Final Clarifier Project Debt Payment (P&I) BONDED @4%							350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350
Biosolids Project Debt Payment (P&I)	9		123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
Primary Clarifier Project Debt Payment (P&I) BONDED @ ~4%					507	507	507	506	505	508	506	508	509	510	504	509	507	509	506	507	506	508	508	507
Chem P Debt Payment (P&I) REMOVED																								
CSO Plant Rehab Debt Payment (P&I) IEPA LOAN @2%										305	305	305	305	305	305	305	305	305	305	305	305	305	305	305
Biological Nutrient Removal Debt Payment (P&I) IEPA LOAN @2%														1915	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915
FIP Debt Payment Actual (P&I)	10		1021	900	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021
Debt Service Payment Subtotal			1781	1660	1970	1651	2001	2000	1999	2307	2305	2307	2308	4224	4218	4223	4221	4223	4220	4221	3199	3078	3078	3077
Debt Service Subtotal			1781	1660	1970	1651	2001	2000	1999	2307	2305	2307	2308	4224	4218	4223	4221	4223	4220	4221	3199	3078	3078	3077
Capital Improvements																								
Property Acquisition			0	550																				
Capital Improvement Projects																								
Vehicle and Equipment Replacement	11		0	603	258	789	315	69	238	295	0	200	0	0	166	0	0	0	0	0	183	0	0	0
Small Capital Projects	12		195	219	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Infrastructure Improvements	13		110	88	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Roof Replacements - Updated based on Repl. Schedule	14		0	0	133	212	259	100	80	53	328	185	235	208	0	0	0	1	1	227	0	0	0	0
Plant Equipment Rehabilitation	15		666	1567	200	600	600	600	600	200	600	600	600	600	200	600	600	600	600	200	600	600	600	600
Atomospheric Vaporizer Lease	16		20	20	20	20	20	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCC Replacements	17		140	0	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
PLC Replacements - Campus Wide	18		0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0	0	0
Unox Deck Replacements*	19		100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DuPage River Salt Creek Work Group Assmt for Watershed Projects	20		260	260	260	325.146	334.9	344.947	355.296	424.084														
Primary Clarifier & Gravity Thickener Improvements Project	21																							
Engineering			0	600																				
Construction			0	6000																				
Plant/CSO Resurfacing			515																					
Administrative Parking Lot/Bemis Road Improvements	22			500																				
Facility Plan	23			200					200					200					200					200
Primary Sludge Direct Digester Feed	24																							
Engineering				60																				
Construction				400																				
Collection System Televising					350					350					350						350			
Intermediate Pumping Station and Clarifier Rehabilitation	25																							
Engineering				200																				
Construction					2000																			
Final Clarifier Rehabilitation																								
Engineering					500																			
Construction						5000																		
CSO Plant Rehab, Barscreen & Grit Collection System Upgrade																								
Engineering								750																
Construction									5000															
Carbo RAS Meter & Final Clarifier RAS Waste Pump VFD Replacement*								25																
Anticipated Future Projects per the 20 Year 2013 Facility Plan.																								
Biological Nutrient Removal																								
Engineering									1500	1500														
Construction											10000	10000	10000											
Project Total			2006	10817	4311	7536	2119	2504	8588	3437	11418	11475	11325	1498	1206	1390	1090	1091	1291	1267	1273	1090	1090	1290
IFT/DEBT SERVICES / PROJ TOTAL			3786	13027	6281	9187	4120	4504	10587	5744	13723	13782	13633	5722	5424	5613	5311	5314	5511	5488	4472	4168	4168	4367
Cash on Hand 1/1			5881	6908	4204	2185	2308	2551	2465	1351	137	1001	1864	2936	1979	1382	659	301	6	(420)	(756)	(756)	(7)	1189
Gain/Loss FY			1027	(2704)	(2019)	123	243	(86)	(1114)	(1214)	864	863	1072	(957)	(597)	(723)	(358)	(295)	(426)	(336)	749	1124	1196	1070
Cash on Hand 12/31			6908	4204	2185	2308	2551	2465	1351	137	1001	1864	2936	1979	1382	659	301	6	(420)	(756)	(7)	368	1189	2259

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

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

## CY2024

### FUND 40 CAPITAL FOOTNOTES

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

This line item depicts the borrowing in CY2023 to help fund the Primary Clarifier Rehabilitation Project. The total amount being requested to borrow is estimated to be \$6,000,000. The 20-year Debt payment is scheduled to begin in CY2025.

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

In CY2018 the EOC approved the Authority to enter into a Demand Load Response program. Since we have the ability to use the backup generators to remove ourselves from the power grid, the power companies ask that we remain available to do so in the event their demand is too high for any given period. For remaining available to do so we are granted some revenue. This is a 6-year program and will end in CY2024, at which point it may be renewed.

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

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

(4) **Fats Oil & Grease (FOG)/Industrial Waste Tipping Fees (\$150,000)**

In CY2016 upon the completion of the Combined Heat and Power Engines and the FOG receiving station, the EOC approved the acceptance of these materials in order to generate revenue (\$0.06/gallon). The program was put on a moratorium in August 2017 during a major biological upset, but was restarted again in April 2018 after thorough research into proper methods. Historically, \$75,000 had been budgeted for revenue, but as the program has grown so has revenue, allowing this budgetary number to be increased.

**(5) Cell Tower Revenue (\$71,461):**

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

**(6) Operating Surplus Transfers (\$375,953):**

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

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

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

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

This is the principal and interest payment for the IEPA Loan utilized for the 2007-2013 installation of a new 80' digester at the Glenbard Plant. Also included in this project was some cleanup work from the BIP Project. The amount of the loan was \$7,543,026 to be paid back over fifteen (15) years at an interest rate of 2.5%. Substantial completion was awarded near the end of FY2011. Final Completion of the Anaerobic Digester Project was awarded in November 2013. These repayments will sunset in CY2025

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

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

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

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

**(11) Rolling Stock (\$603,000):**

GWA had budgeted to replace a F250 Pickup/Plow truck in CY2022, however, due to supply chain issues, the Authority was advised this purchase would not be possible – and has, therefore, been continued to be deferred until. In addition, the Authority plans to replace its crane truck in CY2024, as the existing crane truck is nearing the end of its useful life, and it is a heavily used piece of equipment.

**(12) Small Capital Improvements (\$219,000):**

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

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

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

**(14) Roof Replacements (\$0):**

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

**(15) Plant Equipment Rehabilitation (\$1,567,000):**

This cost center provides for various equipment rehabilitations throughout the GWA Facilities, such as work on sewers and lift stations, and rehabilitating existing equipment. Specifically, in CY2024, the Authority intends to perform some significant rehabilitation to its interceptors, as a considerable need for it was revealed in a recent study performed in CY2021

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

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

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

**(17) Motor Control Center (MCC) Replacements (\$0)**

Sufficient replacement funds should be established to support the rehabilitation and replacement efforts necessary to ensure continued operation of all equipment onsite, and to maintain safe electrical equipment. Based on the estimated replacement costs provided in the facility plan, it is recommended that the Authority budget to replace all of the identified equipment over the next ten years. In addition, it is recommended that as part of each capital improvements project that the Authority completes that the MCC's identified be incorporated into the scope of the project. The overall budgeted values should then be updated based on the improvements that have been completed at the end of each year. Typically, \$140,000 a year would be budgeted for this work, however, funds from this line were shifted to the Intermediate Pump Station Rehabilitation Project.

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

Historically, the capital fund would designate \$130,000 per year for this item. However, after purchasing new PLC's and having them installed in CY2021 for a cost of \$216,000, this item had been lowered to \$40,000 per year beginning in CY2023 in order to begin budgeting for future years. The purpose of this was to establish sufficient replacement funds to support the rehabilitation, repair, and replacement efforts necessary to ensure the continued future reliability of the aging instrumentation and control equipment, as well as to take advantage of new technology. In addition, it is recommended that as part of each capital improvements project that the Authority completes that the PLC's identified be incorporated into the scope of the project. In light of the replacement in CY2021, and that any replacements in the interim before the next major upgrade would be incorporated into other project cost, this item was revised to simply budget for another capital project in CY2036 when the majority of the new equipment reaches it's expected life.

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

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



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

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

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

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

As part of the 2018 Facility Plan, a comprehensive Odor study was performed, with one of the recommendations being to construct additional odor control measures at the preliminary treatment processes. Preliminary treatment processes are typically major sources of odor emissions for liquid stream treatment, and generally consist of raw sewage pumps, grit removal, and screening. GWA has two separate facilities for raw sewage pumping, screening, and grit removal. The majority of the raw sewage pumping and screening is contained. Additionally, the grit building had the HVAC system replaced as part of the Facilities Improvements Project. The recommendation in the Facility Plan was a two phased approach, in which the first phase would be to install primary clarifier launder covers, which essentially cover the areas of the primary tanks that emit the greatest odors. Phase two proposed to install a complex system that would draw the air out from under those covers, and treat it in a biological system that would remove the odorous components of the air. However, phase two was a multi-million-dollar

effort, and due to other recent improvements, it may no longer be necessary. Therefore, at this time, the Authority is planning to move forward with phase one, which will require outside consultant engineering to assist in design, and a public bidding process for installation. If the phase one improvements do not prove to be completely successful for mitigating odors, the Authority can evaluate moving into phase two.

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

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

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

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

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

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

**(23) Facility Plan Study**

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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	\$ -	\$ -	\$ -

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

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

price increase year over year 1.06  
CURRENT Budget Year 2024

Annual Total		
Year	Replacement Cost	TOTAL BUDGET
2020	\$ -	\$ -
2021	\$ -	\$ -
2022	\$ -	\$ -
2023	\$ -	\$ -
2024	\$ 27,774	\$ 28,000
2025	\$ -	\$ -
2026	\$ -	\$ -
2027	\$ -	\$ -
2028	\$ -	\$ -
2029	\$ -	\$ -
2030	\$ -	\$ -
2031	\$ -	\$ -
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2051	\$ -	\$ -
2052	\$ -	\$ -
2053	\$ -	\$ -
2054	\$ -	\$ -
2055	\$ -	\$ -
2056	\$ -	\$ -

Unit No.	Purchase Year	Unit Description	Scheduled Replacement	Purchased Price	Anticipated Sale Income	Appreciated Planned Year Purchase Cost*	Total Replacement Cost	Year	Annual Vehicle Budget
643	2012	F250 Pick Up w/plow (Fuel Truck)	2024	\$ 29,799	\$ 5,000	\$ 83,815	\$ 78,815	HOLD	\$ 1,677,000
644	2012	Crane Truck	2024	\$ 122,375	\$ 40,000	\$ 500,000	\$ 460,000		
642	2010	Dodge Grand Caravan	2024	\$ 19,916	\$ 3,000	\$ 66,554	\$ 63,554	2022	\$ -
646	2014	F350 Maintenance Truck	2025	\$ 62,816	\$ -	\$ 162,092	\$ 162,092	2023	\$ -
637	2009	Bobcat Skidsteer	2025	\$ 24,018	\$ -	\$ 95,359	\$ 95,359	2024	\$ 603,000
611	2004	Volvo Semi-Tractor	2026	\$ 76,425	\$ -	\$ 508,884	\$ 508,884	2025	\$ 258,000
648	2015	Explorer (Director's Vehicle - 7 year cycle)	2026	\$ 27,659	\$ -	\$ 71,372	\$ 71,372	2026	\$ 789,000
633	2006	Godwin 8" Trailer Mounted Pump	2026	\$ 37,181	\$ -	\$ 208,378	\$ 208,378	2027	\$ 315,000
647	2014	F450 Dump Truck with Plow	2027	\$ 47,052	\$ -	\$ 144,252	\$ 144,252	2028	\$ 69,000
649	2015	F350 with Utilimaster Body (Electric)	2027	\$ 35,875	\$ -	\$ 100,904	\$ 100,904	2029	\$ 238,000
TBN	2017	Polaris Gem eM1400 (Dump Bed Cart)	2027	\$ 14,532	\$ -	\$ 34,403	\$ 34,403	2030	\$ 295,000
TBN	2017	Polaris Gem eM1400 (Cart)	2027	\$ 14,831	\$ -	\$ 35,110	\$ 35,110	2031	\$ -
605	2016	C-Max Hybrid (Pretreatment)	2028	\$ 24,294	\$ -	\$ 68,331	\$ 68,331	2032	\$ 200,000
625	2016	Vac-Tron Vacuum Trailer with Jetter	2029	\$ 77,497	\$ -	\$ 237,591	\$ 237,591	2033	\$ -
630	2006	Tandem Dump Trailer	2030	\$ 37,181	\$ -	\$ 294,142	\$ 294,142	2034	\$ -
627	2020	Ford Utilimaster Low Cube (Electrical - orig. 2017)	2032	\$ 46,000	\$ -	\$ 129,383	\$ 129,383	2035	\$ 166,000
600	2017	Bobcat 250 EFI (Mounted on Crane Truck)	2032	\$ 4,570	\$ -	\$ 16,646	\$ 16,646	2036	\$ -
606	2017	Millermatic 350P w/Gun Push-Pull XR-A Aluma-Pro	2032	\$ 5,699	\$ -	\$ 20,759	\$ 20,759	2037	\$ -
620	2017	Miller TIG/Stick Dynasty 350	2032	\$ 8,946	\$ -	\$ 32,586	\$ 32,586	2038	\$ -
627	2020	Ford F-350 XL 4x2 Chassis Cab w/enclosed utility body (Electric)	2035	\$ 45,468	\$ -	\$ 165,616	\$ 165,616	2039	\$ -
612	2021	Daewoo Fork Lift	2041	\$ 32,646	\$ -	\$ 182,962	\$ 182,962	2040	\$ -
610	2002	John Deere Wheel Loader	HOLD	\$ 86,500	\$ -	\$ 1,363,528	\$ 1,363,528	2041	\$ 183,000
	2022	Trailer	HOLD	\$ 15,000		\$ 19,024	\$ 19,024	2042	\$ -
628	1985	Bridgeport Vertical Milling Machine	HOLD	\$ 3,750	\$ -	\$ 9,896	\$ 9,896	2043	\$ -
623	1993	MEC Scissor Lift	HOLD	\$ 3,950	\$ -	\$ 8,896	\$ 8,896	2044	\$ -
617	1997	Pace Trailer (Confined Space)	HOLD	\$ 29,687	\$ -	\$ 61,769	\$ 61,769	2045	\$ -
616	2001	Ingersol-Rand Trailer Air Compressor	HOLD	\$ 15,000	\$ -	\$ 28,833	\$ 28,833	2046	\$ -
618	2003	Miller Trailblazer Welding Machine (Crane Truck)	HOLD	\$ 6,823	\$ -	\$ 12,606	\$ 12,606	2047	\$ -
632	2006	Doosan/Daewoo Fork Lift	HOLD	\$ 27,200	\$ -	\$ 47,356	\$ 47,356	2048	\$ -
635	2007	Salt Dog Salt Spreader	HOLD	\$ 3,456	\$ -	\$ 5,899	\$ 5,899	2049	\$ -
638	2009	Bobcat Skid Steer Backhoe Attachment	HOLD	\$ 6,683	\$ -	\$ 10,964	\$ 10,964	2050	\$ -
641	2009	Bobcat Skid Steer Sweeper Attachment	HOLD	\$ 2,403	\$ -	\$ 3,943	\$ 3,943	2051	\$ -
629	2013	Knuth Metal Cutting Lathe	HOLD	\$ 10,595	\$ -	\$ 16,058	\$ 16,058	2052	\$ -
619	2017	Miller Spectrum Plasma Cutting Machine	HOLD	\$ 1,725	\$ -	\$ 2,415	\$ 2,415	2053	\$ -
645	2012	Transfer Flow Fuel Tanks (Unleaded/Diesel on 643)	HOLD	\$ 2,443	\$ -	\$ 3,777	\$ 3,777	2054	\$ -
620*	1993	Miller - Shopmaster 300 Welding Generator (TIG)	HOLD	\$ 2,300	\$ -	\$ 5,180	\$ 5,180	2055	\$ -
606*		New MIG Welder	HOLD		\$ -	\$ -	\$ -	2056	\$ -
615	2001	Mersino 4" Trailer Mounted Pump	HOLD	\$ 32,730	\$ -	\$ 62,915	\$ 62,915		\$ -
621	2003	Alladin Hot Water Pressure Washer	HOLD	\$ 7,359	\$ -	\$ 13,597	\$ 13,597		\$ -

CY2024

GLENBARD WASTEWATER AUTHORITY EQUIPMENT REPLACEMENT FUND

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

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

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

# Appendix

Original Fund 27 & 28 FY1986 through FY1997

Glenbard Wastewater Authority  
Equipment Replacement Fund

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

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

Original Fund 40 FY1998 through FY2010

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

Intermediate Capital Funding FY2011 through FY2013

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

Fund 40 FY2014 through CY2030

Fiscal Year	Glen Ellyn Split 50/50	Lombard Split 50/50	Split 1/2 Half of Actual	Glen Ellyn Split By Flow	Lombard Split By Flow	% Flow Split By Partner	1/2 Half of Actual	Actual Contributions	Percentage Increase	Total Glen Ellyn	Total Lombard	Accumulated Funding
FY(2014)	675,000.00	675,000.00	1,350,000.00	642,600.00	707,400.00	47.60 / 52.40	1,350,000.00	2,700,000.00	11%	\$ 1,317,600.00	\$ 1,382,400.00	\$ 37,390,539.00
SY(2014)	490,050.00	490,050.00	980,100.00	459,666.90	520,433.10	46.90 / 53.10	980,100.00	1,960,200.00	-38%	\$ 949,716.90	\$ 1,010,483.10	\$ 39,350,739.00
CY(2015)	816,750.00	816,750.00	1,633,500.00	766,111.50	867,388.50	46.90 / 53.10	1,633,500.00	3,267,000.00	40%	\$ 1,582,861.50	\$ 1,684,138.50	\$ 42,617,739.00
CY(2016)	832,500.00	832,500.00	1,665,000.00	768,564.00	896,436.00	46.16 / 53.84	1,665,000.00	3,330,000.00	2%	\$ 1,601,064.00	\$ 1,728,936.00	\$ 45,947,739.00
CY(2017)	850,000.00	850,000.00	1,700,000.00	769,250.00	930,750.00	45.25 / 54.75	1,700,000.00	3,400,000.00	2%	\$ 1,619,250.00	\$ 1,780,750.00	\$ 49,347,739.00
CY(2018)	875,000.00	875,000.00	1,750,000.00	777,875.00	972,125.00	44.45 / 55.55	1,750,000.00	3,500,000.00	3%	\$ 1,652,875.00	\$ 1,847,125.00	\$ 52,847,739.00
CY(2019)	883,750.00	883,750.00	1,767,500.00	752,248.00	1,015,252.00	42.56 / 57.44	1,767,500.00	3,535,000.00	1.0%	\$ 1,635,998.00	\$ 1,899,002.00	\$ 56,382,739.00
CY(2020)	910,262.50	910,262.50	1,820,525.00	746,597.30	1,073,927.70	41.01/58.99	1,820,525.00	3,641,050.00	3.0%	\$ 1,656,859.80	\$ 1,984,190.20	\$ 60,023,789.00
CY(2021)	919,365.13	919,365.13	1,838,730.25	745,605.12	1,093,125.13	40.55/59.45	1,838,730.25	3,677,460.50	1.0%	\$ 1,664,970.24	\$ 2,012,490.26	\$ 63,701,249.50
CY(2022)	928,558.78	928,558.78	1,857,117.55	758,261.10	1,098,856.46	40.83/59.17	1,857,117.55	3,714,235.11	1.0%	\$ 1,686,819.87	\$ 2,027,415.23	\$ 67,415,484.61
CY(2023)	940,165.76	940,165.76	1,880,331.52	756,081.30	1,124,250.22	40.21/59.79	1,880,331.52	3,760,663.04	1.25%	\$ 1,696,247.07	\$ 2,064,415.98	\$ 71,176,147.65
CY(2024)*	951,917.83	951,917.83	1,903,835.67	778,668.79	1,125,166.88	40.90/59.10	1,903,835.67	3,807,671.33	1.25%	\$ 1,730,586.62	\$ 2,077,084.71	\$ 74,983,818.98
CY(2025)	963,816.81	963,816.81	1,927,633.61	771,053.44	1,156,580.17	40/60	1,927,633.61	3,855,267.22	1.25%	\$ 1,734,870.25	\$ 2,120,396.97	\$ 78,839,086.20
CY(2026)	975,864.52	975,864.52	1,951,729.03	780,691.61	1,171,037.42	40/60	1,951,729.03	3,903,458.06	1.25%	\$ 1,756,556.13	\$ 2,146,901.94	\$ 82,742,544.27</

CY(2034)	1,077,828.79	1,077,828.79	2,155,657.59	862,263.04	1,293,394.55	40/60	2,155,657.59	4,311,315.18	1.25%	\$ 1,940,091.83	\$ 2,371,223.35	\$ 115,778,970.52
CY(2035)	1,091,301.65	1,091,301.65	2,182,603.31	873,041.32	1,309,561.99	40/60	2,182,603.31	4,365,206.62	1.25%	\$ 1,964,342.98	\$ 2,400,863.64	\$ 120,144,177.14
CY(2036)	1,104,942.93	1,104,942.93	2,209,885.85	883,954.34	1,325,931.51	40/60	2,209,885.85	4,419,771.70	1.25%	\$ 1,988,897.27	\$ 2,430,874.44	\$ 124,563,948.84
CY(2037)	1,118,754.71	1,118,754.71	2,237,509.42	895,003.77	1,342,505.65	40/60	2,237,509.42	4,475,018.85	1.25%	\$ 2,013,758.48	\$ 2,461,260.37	\$ 129,038,967.68
CY(2038)	1,132,739.15	1,132,739.15	2,265,478.29	906,191.32	1,359,286.97	40/60	2,265,478.29	4,530,956.58	1.25%	\$ 2,038,930.46	\$ 2,492,026.12	\$ 133,569,924.27
CY(2039)	1,146,898.38	1,146,898.38	2,293,796.77	917,518.71	1,376,278.06	40/60	2,293,796.77	4,587,593.54	1.25%	\$ 2,064,417.09	\$ 2,523,176.45	\$ 138,157,517.81
CY(2040)	1,161,234.61	1,161,234.61	2,322,469.23	928,987.69	1,393,481.54	40/60	2,322,469.23	4,644,938.46	1.25%	\$ 2,090,222.31	\$ 2,554,716.15	\$ 142,802,456.26
CY(2041)	1,175,750.05	1,175,750.05	2,351,500.09	940,600.04	1,410,900.06	40/60	2,351,500.09	4,703,000.19	1.25%	\$ 2,116,350.09	\$ 2,586,650.10	\$ 147,505,456.45
CY(2042)	1,190,446.92	1,190,446.92	2,380,893.85	952,357.54	1,428,536.31	40/60	2,380,893.85	4,761,787.69	1.25%	\$ 2,142,804.46	\$ 2,618,983.23	\$ 152,267,244.15
CY(2043)	1,205,327.51	1,205,327.51	2,410,655.02	964,262.01	1,446,393.01	40/61	2,410,655.02	4,821,310.04	1.25%	\$ 2,169,589.52	\$ 2,651,720.52	\$ 157,088,554.18
CY(2044)	1,220,394.10	1,220,394.10	2,440,788.21	976,315.28	1,464,472.92	40/62	2,440,788.21	4,881,576.41	1.25%	\$ 2,196,709.39	\$ 2,684,867.03	\$ 161,970,130.60
TOTALS	\$ 11,037,136.80	\$ 11,037,136.80		\$ 10,273,274.07	\$ 13,752,728.57			\$ 64,159,907.15		\$ 65,592,995.89	\$ 80,190,308.19	

\* Indicates Actual 5 Year Flow Split

***Comments Pertaining to the Historical Value of the Equipment Replacement Fund***

~ As a condition of Grant funding, the United States Environmental Protection Agency required that an equipment replacement fund be established. The purpose of the replacement fund is to be sure adequate funds are in place to replace equipment and make improvements as they are needed.

~ The 1985 Fred P. Johnson and Associates study recommended that a seven percent (7%) Sinking Fund be set up for equipment replacement. That meant that the fund would grow by seven percent (7%) each year. The Johnson study projected the Sinking Fund through FY 1991.

~ In FY1986 the O&M Sinking Fund was established with contributions being made to Fund 27, Glenbard Wastewater Authority Operations and Maintnance Fund.

~ In 1988 a new Fund was created based off of the Johnson Study recommendations. This was Fund 28, Glenbard Wastewater Authority Capital Equipment Replacement Fund. Fund 27 was the depository for Fund 28 with Inter Fund Trasfers (IFT's) being the vehicle to transfer needed funds into Fund 28. The Equipment Replacement Fund spreadsheet illustrates the deposits, transfers, splits and accumulations of the money.

~ In FY1992, after analyzing likely FY1992 - FY1997 equipment replacement needs, Glenbard Staff and the Executive Oversight Committee concluded that a five percent (5%) sinking fund will be adequate. It took four fiscal years between FY1992 and FY1996 to return to the contribution level of 1991. The Sinking Fund is shown as growing by five percent (5%) from FY1992 - FY1999.

~ A Facility Plan developed in FY(1998) caused the Glenbard Staff and the Executive Oversight Committee to commit to increasing the Sinking Fund to the Fred Johnson calculated values by FY2004.

~ The Sinking Fund was re-evaluated during the FY2007 budget discussions with Village Managers and Finance Directors when it was decided to no longer follow the recommended seven percent (7%) annual increase, but to evaluate the contribution on an annual basis. The Managers agreed to return to the seven percent (7%) annual increase in FY2008.

~ The Sinking Fund was again evaluated during budget planning for FY2008 when the decision by Village Managers and Finance Directors moved the Authority away from dedicated annual contributions, but to evaluate the contribution annually. At this time Village Managers and Finance Directors agreed to reduce the annual contribution to the Sinking Fund. It took three fiscal years between FY2008 and FY2010 to return to the contribution level of FY2007.

~ FY2011 was the first year that the EOC agreed to change the budget format without an executed IGA. The change to the percentages regarding how the Regional Treatment System was constructed did nothing more than devalue the Glenbard Plant to create arbitrary funds and increase value in others.

~ FY 2013 is the third year the budget has been formatted without a supporting IGA. Both Village presidents agreed at the December 2011 EOC meeting that this would be the last budget formatted without a supporting IGA. If an agreeable funding mechanism cannot be achieved by November 2012 the budget will revert back to the 1998 IGA supporting the FY10 budget format.

~ Beginning with the FY2013 Facility Plan the Capital Equipment Replacement Fund shall be funded with a mandatory ten percent (10%) increase from fiscal year to fiscal year through the 10 year plan as agreed to by the EOC. The increase to the Fund for FY2014 is actually eleven percent (11%). With this figure the period between FY2000 & FY2014 averages seven percent (7%) contribution.

~ FY2014 The Capital Equipment Replacement Fund 40 is utilizing a unique revenue split approved by both partners. The revenue split shall divide the agreed contribution in half, of which the first half shall be split 50% between partners. The second half of the agreed contribution will be split by the flow utilized to calculate the partners payments. A single Capital Fund (40) shall be used to expense all projects with the approval of the Executive Oversight Committee.

~ SY2014, contribution which was originally the FY2015 contribution was scheduled to be \$2,970,000 based on a 12 month fiscal year. With the change to a calendar year format FY2015 was modified to a Stub Year (SY) due to the 8 month budget. The scheduled contribution for capital improvements for FY2015 of \$2,970,000 was reduced by 33% or 829,800 for a total contribution of \$1,960,200. This is shown as a 38% reduction on the schedule above. The following year CY2015 the contribution contiues as scheduled indicating a \$1,306,800 or 40% increase over SY2014.

~ CY2016 The Capital Equipment Replacement Fund 40 continues utilizing the unique revenue split approved by both partners. The revenue split shall divide the agreed contribution in half, of which the first half shall be split 50% between partners. The second half of the agreed contribution will be split by the flow utilized to calculate the partners payments. A single Capital Fund (40) shall be used to expense all projects with the approval of the Executive Oversight Committee.

~ CY2019 Proposed 1% increase has been requested

~ CY2023 Proposed 1.25% increase has been requested

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

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



**Budget CY2021**  
**Anaerobic Digester**  
**Loan # L17-287400**

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

**IEPA Loan - Payback Schedule**  
**Interest Rate: 2.5%**

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

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

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

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

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

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

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

**Calendar Year 2023  
Position Classification**

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

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

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

TABLE 1. TOTAL WASTEWATER FLOWS AND PERCENTAGES FOR CY2023 BUDGET

	MONTH	TOTAL FLOW MILLION GALS (MG)	GLEN ELLYN FLOW (MG)	PERCENT OF TOTAL	LOMBARD FLOW (MG)	PERCENT OF TOTAL
Y e a r  O n e	Jan-18	381.492	122.602	32.14%	258.890	67.86%
	Feb-18	502.867	175.046	34.81%	327.821	65.19%
	Mar-18	373.514	138.570	37.10%	234.944	62.90%
	Apr-18	372.669	141.336	37.93%	231.333	62.07%
	May-18	481.336	186.327	38.71%	295.009	61.29%
	Jun-18	477.075	186.258	39.04%	290.817	60.96%
	Jul-18	251.469	106.069	42.18%	145.400	57.82%
	Aug-18	280.070	103.967	37.12%	176.103	62.88%
	Sep-18	290.026	110.434	38.08%	179.592	61.92%
	Oct-18	459.853	124.849	27.15%	335.004	72.85%
	Nov-18	295.224	123.642	41.88%	171.582	58.12%
	Dec-18	382.605	161.226	42.14%	221.379	57.86%
Y e a r  T w o	Jan-19	318.896	138.933	43.57%	179.963	56.43%
	Feb-19	451.171	172.314	38.19%	278.857	61.81%
	Mar-19	395.588	157.321	39.77%	238.267	60.23%
	Apr-19	467.686	177.686	37.99%	290.000	62.01%
	May-19	762.655	293.351	38.46%	469.304	61.54%
	Jun-19	323.629	142.766	44.11%	180.863	55.89%
	Jul-19	269.388	121.928	45.26%	147.460	54.74%
	Aug-19	247.046	105.654	42.77%	141.392	57.23%
	Sep-19	306.237	121.314	39.61%	184.923	60.39%
	Oct-19	417.528	180.472	43.22%	237.056	56.78%
	Nov-19	335.586	144.345	43.01%	191.241	56.99%
	Dec-19	320.896	128.362	40.00%	192.534	60.00%
Y e a r  T h r e e	Jan-20	424.596	168.315	39.64%	256.281	60.36%
	Feb-20	319.328	140.284	43.93%	179.044	56.07%
	Mar-20	403.218	170.790	42.36%	232.428	57.64%
	Apr-20	379.428	179.917	47.42%	199.511	52.58%
	May-20	564.516	269.806	47.79%	294.710	52.21%
	Jun-20	304.067	129.924	42.73%	174.143	57.27%
	Jul-20	251.938	116.077	46.07%	135.861	53.93%
	Aug-20	180.173	87.324	48.47%	92.849	51.53%
	Sep-20	218.823	95.204	43.51%	123.619	56.49%
	Oct-20	238.231	103.307	43.36%	134.924	56.64%
	Nov-20	232.185	104.535	45.02%	127.650	54.98%
	Dec-20	288.187	128.939	44.74%	159.248	55.26%
Y e a r  F o u r	Jan-21	291.478	130.097	44.63%	161.381	55.37%
	Feb-21	270.933	118.070	43.58%	152.863	56.42%
	Mar-21	464.632	177.941	38.30%	286.691	61.70%
	Apr-21	269.610	113.646	42.15%	155.964	57.85%
	May-21	282.372	113.224	40.10%	169.148	59.90%
	Jun-21	342.575	123.978	36.19%	218.597	63.81%
	Jul-21	303.476	121.355	39.99%	182.121	60.01%
	Aug-21	267.744	108.183	40.41%	159.561	59.59%
	Sep-21	212.671	81.360	38.26%	131.311	61.74%
	Oct-21	344.196	126.452	36.74%	217.744	63.26%
	Nov-21	248.441	104.420	42.03%	144.021	57.97%
	Dec-21	293.108	119.972	40.93%	173.136	59.07%
Y e a r  F i v e	Jan-22	278.662	113.542	40.75%	165.120	59.25%
	Feb-22	381.380	145.074	38.04%	236.306	61.96%
	Mar-22	485.094	192.400	39.66%	292.694	60.34%
	Apr-22	548.888	225.633	41.11%	323.255	58.89%
	May-22	537.910	216.234	40.20%	321.676	59.80%
	Jun-22	265.705	113.170	42.59%	152.535	57.41%
	Jul-22	319.326	126.267	39.54%	193.059	60.46%
	Aug-22	239.691	104.337	43.53%	135.354	56.47%
	Sep-22	269.738	113.431	42.05%	156.307	57.95%
	Oct-22	234.091	95.787	40.92%	138.304	59.08%
	Nov-22	231.022	98.295	42.55%	132.727	57.45%
	Dec-22	311.054	125.560	40.37%	185.494	59.63%
AVERAGE		344.383	139.460	40.90%	204.923	59.10%

# AVERAGED WASTEWATER FLOWS UTILIZED FOR BUDGET

