

**Glenbard
Wastewater
Authority
CY2023 Budget**



November 3, 2022

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

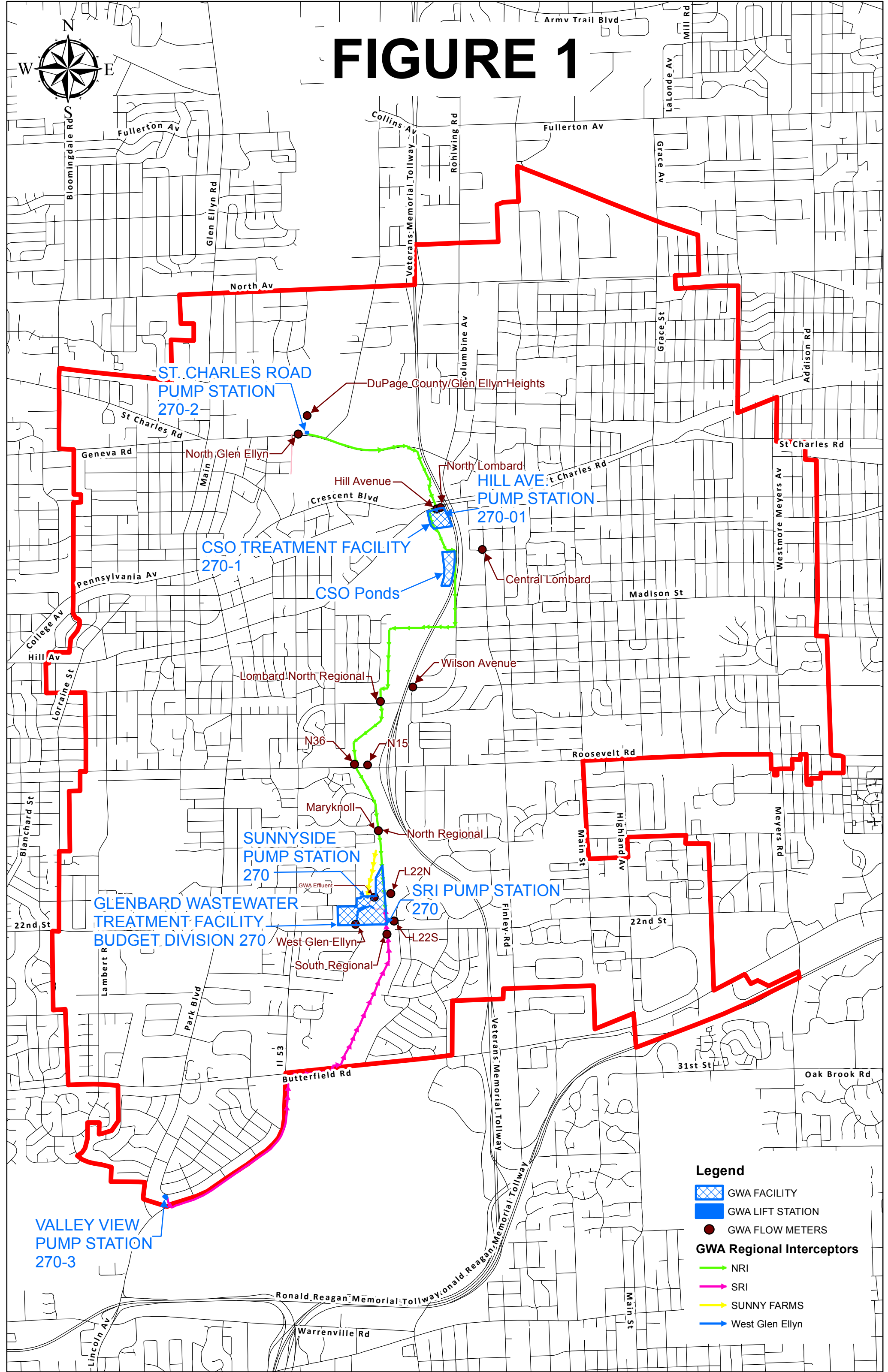
Subject: January 1, 2023 - December 31, 2023 Glenbard Wastewater Authority
Budget (CY2023)

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

BACKGROUND

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

FIGURE 1



Legend

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

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

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

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

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

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

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

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

AUTHORITY ORGANIZATION

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

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

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

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

BUDGET ORGANIZATION

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

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

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

The following is the fund allocation of the Capital fund:

Fund 40 - Equipment Replacement Fund

OPERATION AND MAINTENANCE (O&M) DIVISION

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

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

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

Cash Reserves / Working Cash

CY 2022

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

Cash Reserves / Working Cash

CY 2023

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

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

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

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

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

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

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

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

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

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

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

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

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

CAPITAL FUND

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

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

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

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

ALLOCATION OF EXPENSES

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

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

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

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

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

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

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

CONCLUSION

The total proposed CY2023 budget and comparisons are as follows:

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

Respectfully Submitted,



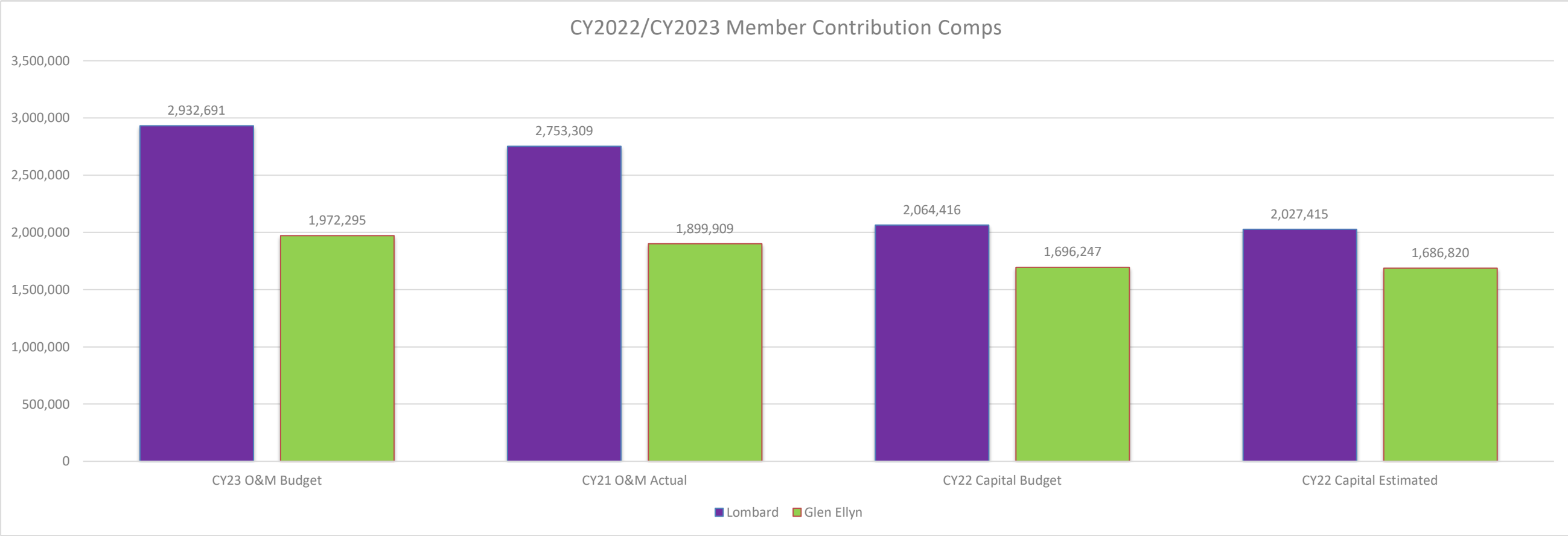
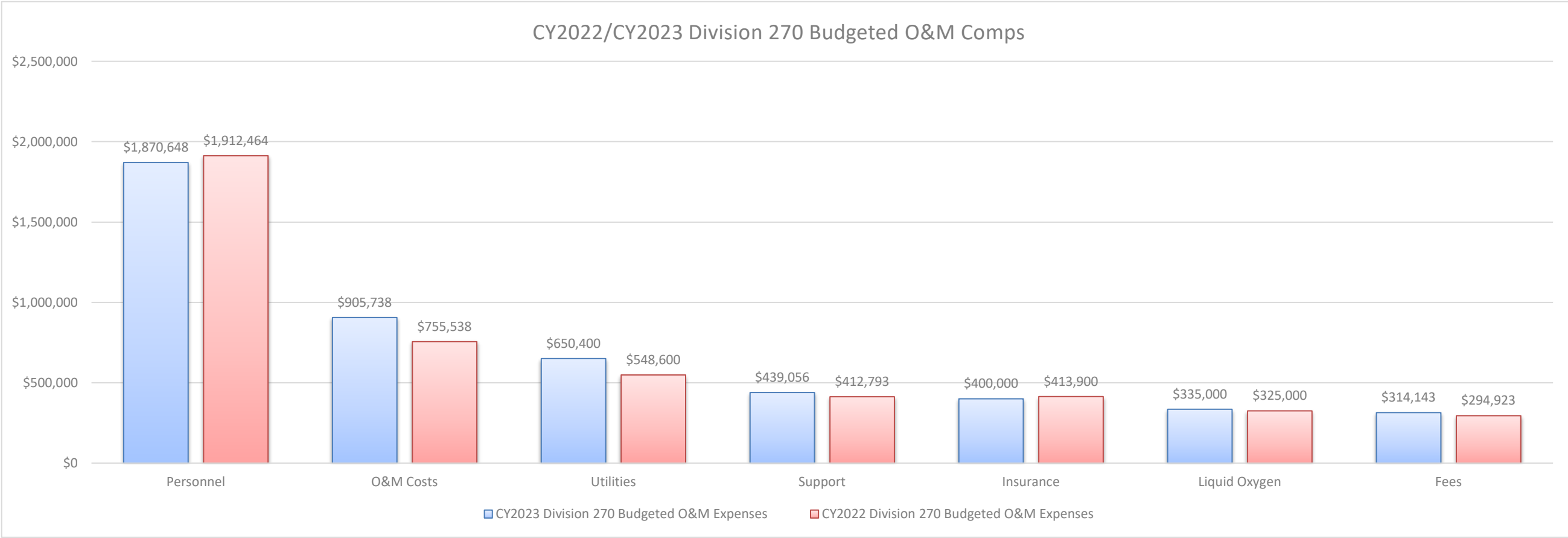
Matt Streicher, P.E. BCEE, PO, ENV SP
Executive Director
Glenbard Wastewater Authority

Glenbard Wastewater Authority
 Budget CY2023
 All Funds
 Expense Allocation to Partners

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

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

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



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

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

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

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

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

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

Flow Split for Glen Ellyn: 40.21%

Flow Split for Lombard 59.79%

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

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

Flow Split for Glen Ellyn: 40.83%

Flow Split for Lombard 59.17%

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

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

Flow Split for Glen Ellyn: 40.55%

Flow Split for Lombard 59.45%

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

Budget CY2023
Operations and Maintenance
Division 270
Expense Allocation to Partners

Footnotes

EXPENSES

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

CY2023 DIVISION 270 O&M FOOTNOTES

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

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

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

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

(3) SALARIES – OVERTIME (\$66,000):

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

(4) SALARIES – TEMPORARY/SEASONAL:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

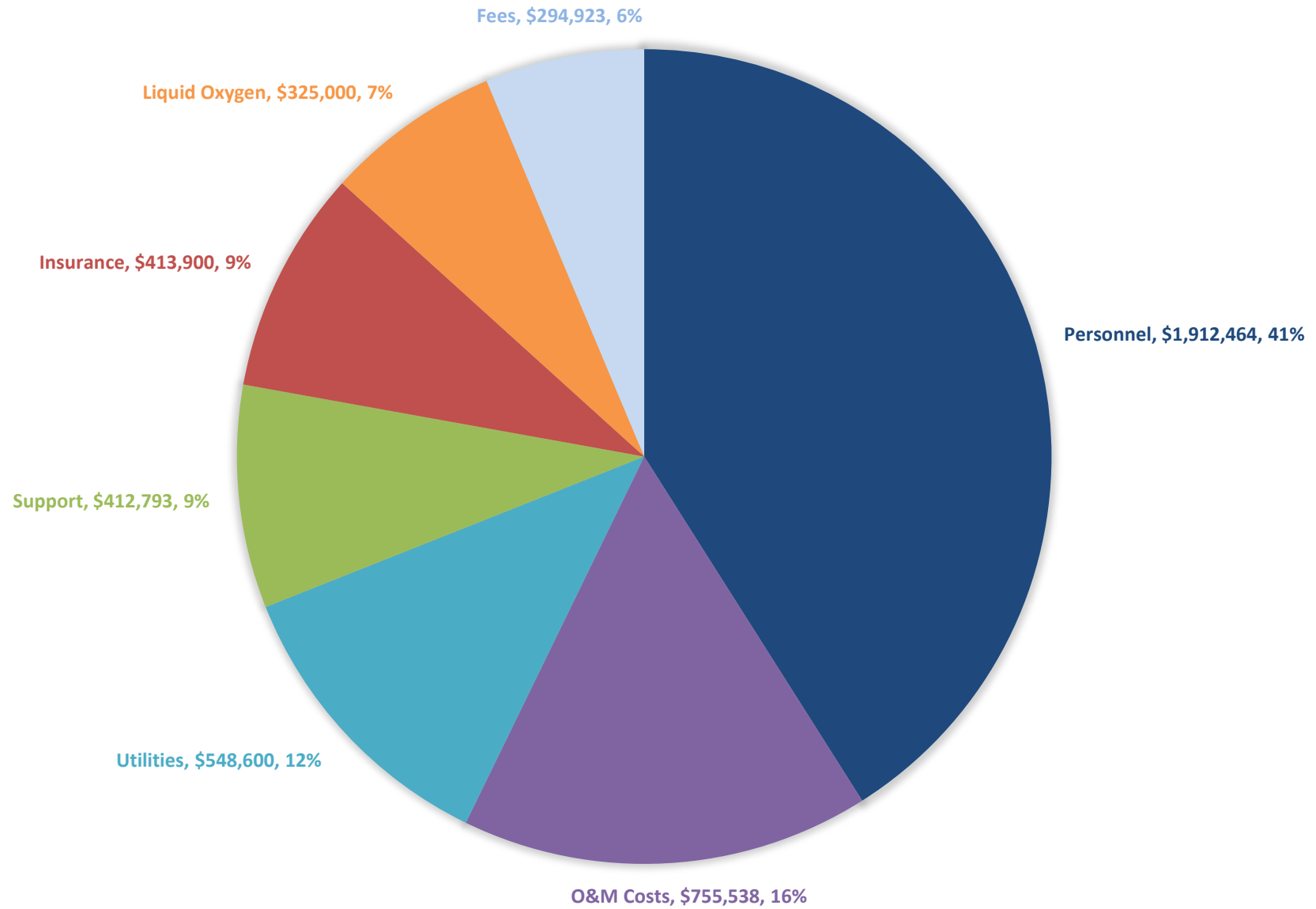
(18) CHEMICALS (\$196,000):

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

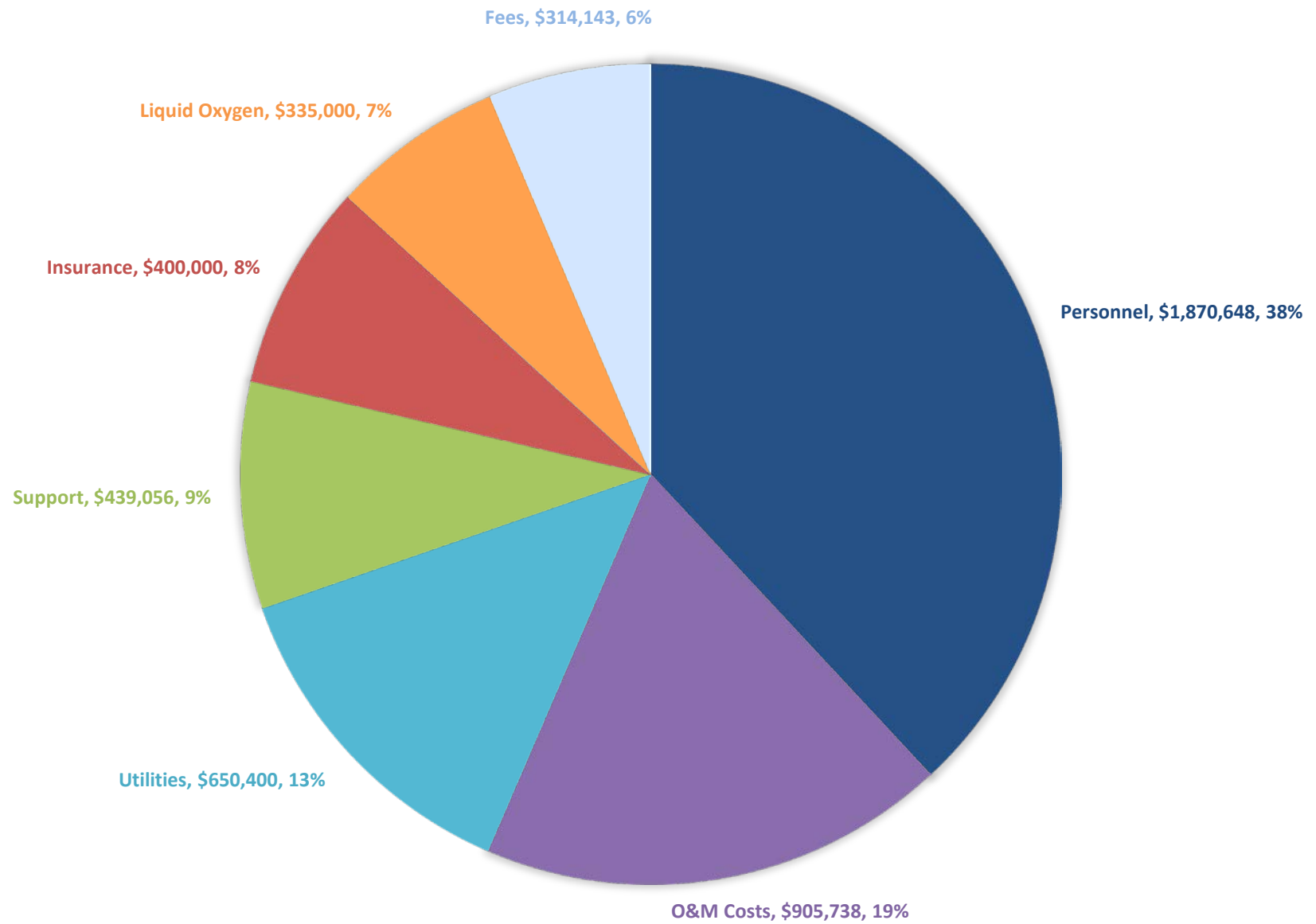
(19) Liquid Oxygen (\$335,000)

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

CY2022 O&M EXPENSES



CY2023 O&M EXPENSES



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

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

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

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

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

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

Glenbard Wastewater Authority
CY2023 Recruit/Test Budget
270 520615

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

**Glenbard Wastewater Authority
CY2023 Employee Training/Education Budget
270 520620**

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

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

Glenbard Wastewater Authority
CY2023 Mileage Reimbursement Budget
270 520625

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

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

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

Glenbard Wastewater Authority
CY2023 Legal Notices
270 520750

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

Glenbard Wastewater Authority
CY2023 Regulatory Fees
270 520775

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

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

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

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

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

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

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

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

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

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

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

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

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

**Glenbard Wastewater Authority
CY2023 Health Insurance Fees Budget
270 520895**

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

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

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

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

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

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

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
270 520975

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

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

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

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

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

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

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

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

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

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

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

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

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

Glenbard Wastewater Authority
CY2023 Equipment Maintenance Budget
Maintenance
270 520975

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

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

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

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

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

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

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

Glenbard Wastewater Authority
CY2023 Maintenance Electronics Budget Details
270 520980

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

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

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

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

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

Glenbard Wastewater Authority
CY2023 Operations - Support Budget
270 520991

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

Glenbard Wastewater Authority
CY2023 Professional Services - Other
270 521055

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Glenbard Wastewater Authority
CY2023 Laboratory Supplies Budget
270 530106

| Item | Recommendation | CY22 Budgeted | Total | CY23 Budgeting | Total |
|---------------------|--------------------------------------|-----------------|-------|-----------------|-------|
| Laboratory Supplies | Laboratory Consumables and Glassware | 17,500 | | 17,500 | |
| | | <hr/> | | <hr/> | |
| | | \$17,500 | | \$17,500 | |

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

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

Glenbard Wastewater Authority
CY2023 Administrative Purchasing Budget
270 530200

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

Glenbard Wastewater Authority
CY2023 Safety Budget
270 530225

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

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

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

Glenbard Wastewater Authority
CY2023 Liquid Oxygen Supply Budget
270 530443

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

Glenbard Wastewater Authority
CY2023 Uniforms Budget
270 530445

| Item | Recommendation | CY22 Budgeted | Total | CY23 Budgeting | Total |
|----------|----------------------|---------------|-----------------------|----------------|-----------------------|
| Uniforms | Uniform Replacements | 5,000 | | 5,000 | |
| Total | | | <u><u>\$5,000</u></u> | | <u><u>\$5,000</u></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 CY2023

Operations & Maintenance

Division 270-1

Stormwater Plant & Hill Avenue Lift Station

EXPENSES

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

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

| | | | CY22 Budgeted | Total | CY23 Budgeting | Total |
|--------|----------------------|--------------------------------------|----------------------|-----------------|-----------------------|-----------------|
| 520775 | IEPA Regulatory Fees | | 20,000 | | 20,000 | |
| | | | | \$20,000 | | \$20,000 |
| 520970 | Building/Grounds | Misc. Repairs | 2,500 | | 2,500 | |
| | | Sidewalk Repairs | 500 | | 500 | |
| | Bldg/Grnds - Support | Door/Lock/Window Repairs | 500 | | 500 | |
| | | Landscape Maintenance | 5,768 | | 5,768 | |
| | | Pest Control | 100 | | 100 | |
| | | Fire Extinguisher Service/Repairs | 100 | | 100 | |
| | | Tru-Green Chemlawn | 800 | | 0 | |
| | | Roof Inspection | 0 | | 0 | |
| | | Roof Repairs | 500 | | 500 | |
| | | Sidewalk Repairs | 0 | | 0 | |
| | | | | \$10,768 | | \$9,968 |
| 520975 | Maintenance | Unanticipated Equipment Repairs | 1,000 | | 2,500 | |
| | | Hill Avenue Submersible Pump Service | 1,000 | | 1,000 | |
| | | Grease/Oil/Belts | 2,500 | | 2,500 | |
| | | Peristaltic Pump Replacement Hose | 500 | | 500 | |
| | Equipment - Support | Unanticipated Equipment Repairs | 0 | | 0 | |
| | | RPZ Inspections | 200 | | 200 | |
| | | | | \$5,200 | | \$6,700 |
| 520980 | Elect. Maintenance | Control Panel PM/Repairs | 200 | | 200 | |
| | | Electrical Distribution PM/Repairs | 200 | | 200 | |
| | | HVAC Equipment PM/Repairs | 300 | | 300 | |
| | | Instrumentation PM/Repairs | 400 | | 400 | |
| | | LAN PM/Repair | 0 | | 0 | |
| | | Lighting Equipment PM/Repairs | 200 | | 200 | |
| | | Motor PM/Repairs | 250 | | 250 | |

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

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

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

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

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

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

EXPENSES

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

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

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

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

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

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

Budget CY2023
Operations & Maintenance
270-3

EXPENSES

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

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

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

Capital

GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

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

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

CY2023

FUND 40 CAPITAL FOOTNOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(14) Roof Replacements (\$0):

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Glenbard Wastewater Authority
CY2023 Infrastructure Improvement
40 580140

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

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

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

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

| Building Code | Building Description | Roof Installation Year | Known Issues | Existing Roof Type | 2017 Showalter Useful Life | Recommended Replacement Type | Square Footage | Warranty Expires | Scheduled Assessment | Scheduled Replacement | Roof Replacement Estimation |
|---------------|-----------------------------|------------------------|--------------|--|----------------------------|------------------------------|----------------|------------------|----------------------|-----------------------|-----------------------------|
| A | Bar Screen | 1993 | | 4 ply, fiberglass 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, fiberglass felts, Type VI in asphalt w/gravel surface | 3 - 5 | Existing Type | 1,224 | Expired | 2019 | 2022 | \$ 40,272 |
| N | Warehouse | 1998 | | 4 ply, fiberglass 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, fiberglass 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, fiberglass felts, Type VI in asphalt w/gravel surface | 6 - 10 | Existing Type | 6,460 | Expired | 2022 | 2027 | \$ 258,598 |
| Q | Cryo | 2010 | | 4 ply, fiberglass 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, fiberglass felts, Type VI in asphalt w/gravel surface | 12 - 15 | Existing Type | 207 | 2020 | 2022 | 2029 | \$ 8,963 |
| F | Unox | 2010 | | 4 ply, fiberglass felts, Type VI in asphalt w/gravel surface | 12 - 15 | Existing Type | 608 | 2020 | 2022 | 2029 | \$ 26,325 |
| H | Screw | 2010 | | 4 ply, fiberglass 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, fiberglass felts, Type VI in asphalt w/gravel surface | | Existing Type | 722 | 2020 | 2022 | 2030 | \$ 32,511 |
| R | Admin | 2012 | | 4 ply, fiberglass felts, Type VI in asphalt w/gravel surface | 5 - 8 | Existing Type | 6,996 | 2022 | 2022 | 2031 | \$ 327,624 |
| C | Grit | 2012 | | 4 ply, fiberglass 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, fiberglass 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, fiberglass 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, fiberglass 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, fiberglass felts, Type VI in asphalt w/gravel surface | | Existing Type | 2,915 | 2028 | 2038 | 2048 | \$ 265,908 |
| P | Press (Upper Roof) | 2018 | | 4 ply, fiberglass felts, Type VI in asphalt w/gravel surface | | Existing Type | 2,750 | 2028 | 2038 | 2048 | \$ 250,857 |
| O | UV | 2019 | | 4 ply, fiberglass 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, fiberglass 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, fiberglass felts, Type VI in asphalt w/gravel surface | 1 - 5 | Existing Type | 1,050 | 2031 | 2019 | 2051 | \$ 107,741 |
| G | ATAD | 2021 | | 4 ply, fiberglass felts, Type VI in asphalt w/gravel surface | 3 - 5 | Existing Type | 540 | 2031 | 2019 | 2051 | \$ 55,410 |

price increase year over year 1.04
CURRENT Budget Year 2023

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

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

Appendix

CY2023
GLENBARD WASTEWATER AUTHORITY EQUIPMENT REPLACEMENT FUND

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

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

* Indicates Current 5 Year Avg. Flow Split for CY2023

Original Fund 27 & 28 FY1986 through FY1997

Glenbard Wastewater Authority
Equipment Replacement Fund

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

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

Original Fund 40 FY1998 through FY2010

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

Intermediate Capital Funding FY2011 through FY2013

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

Fund 40 FY2014 through CY2030

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

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

* Indicates Actual 5 Year Flow Split

Comments Pertaining to the Historical Value of the Equipment Replacement Fund

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

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

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

Budget CY2021
Anaerobic Digester
Loan # L17-287400

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

IEPA Loan - Payback Schedule
Interest Rate: 2.5%

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

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

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

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

**Calendar Year 2023
Position Classification**

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

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

| Range | Annualized | | | Hourly | | |
|--|------------|---------|---------|--------|-------|-------|
| | Min | Mid | Max | Min | Mid | Max |
| CY23 Salary Schedule Adjustment = 2% Increase to Salary Ranges from CY22 | | | | | | |
| Salary schedule is draft version subject to Final CY2023 Village of Glen Ellyn Budget Appr | | | | | | |
| A | 39,176 | 49,344 | 59,490 | 18.83 | 23.72 | 28.60 |
| B | 41,090 | 51,788 | 62,464 | 19.75 | 24.90 | 30.03 |
| C | 43,165 | 54,417 | 65,669 | 20.75 | 26.16 | 31.57 |
| D | 45,309 | 57,092 | 68,875 | 21.78 | 27.45 | 33.11 |
| E | 47,592 | 59,997 | 72,402 | 22.88 | 28.84 | 34.81 |
| F | 49,990 | 63,018 | 76,046 | 24.03 | 30.30 | 36.56 |
| G | 52,526 | 66,177 | 79,827 | 25.25 | 31.82 | 38.38 |
| H | 55,155 | 69,497 | 83,816 | 26.52 | 33.41 | 40.30 |
| I | 57,899 | 72,979 | 88,036 | 27.84 | 35.09 | 42.32 |
| J | 60,758 | 76,576 | 92,394 | 29.21 | 36.82 | 44.42 |
| K | 63,825 | 80,450 | 97,075 | 30.68 | 38.68 | 46.67 |
| L | 67,053 | 84,462 | 101,871 | 32.24 | 40.61 | 48.98 |
| M | 70,350 | 88,635 | 106,897 | 33.82 | 42.61 | 51.39 |
| N | 73,878 | 93,062 | 112,247 | 35.52 | 44.74 | 53.96 |
| O | 77,660 | 97,882 | 118,104 | 37.34 | 47.06 | 56.78 |
| P | 81,533 | 102,724 | 123,914 | 39.20 | 49.39 | 59.57 |
| Q | 85,522 | 107,750 | 129,978 | 41.12 | 51.80 | 62.49 |
| R | 89,880 | 113,261 | 136,619 | 43.21 | 54.45 | 65.68 |
| S | 94,354 | 118,911 | 143,444 | 45.36 | 57.17 | 68.96 |

TABLE 1. TOTAL WASTEWATER FLOWS AND PERCENTAGES FOR CY2023 BUDGET

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

AVERAGED WASTEWATER FLOWS UTILIZED FOR BUDGET

