



**Glenbard  
Wastewater  
Authority  
CY2022 Budget**



November 15, 2021

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

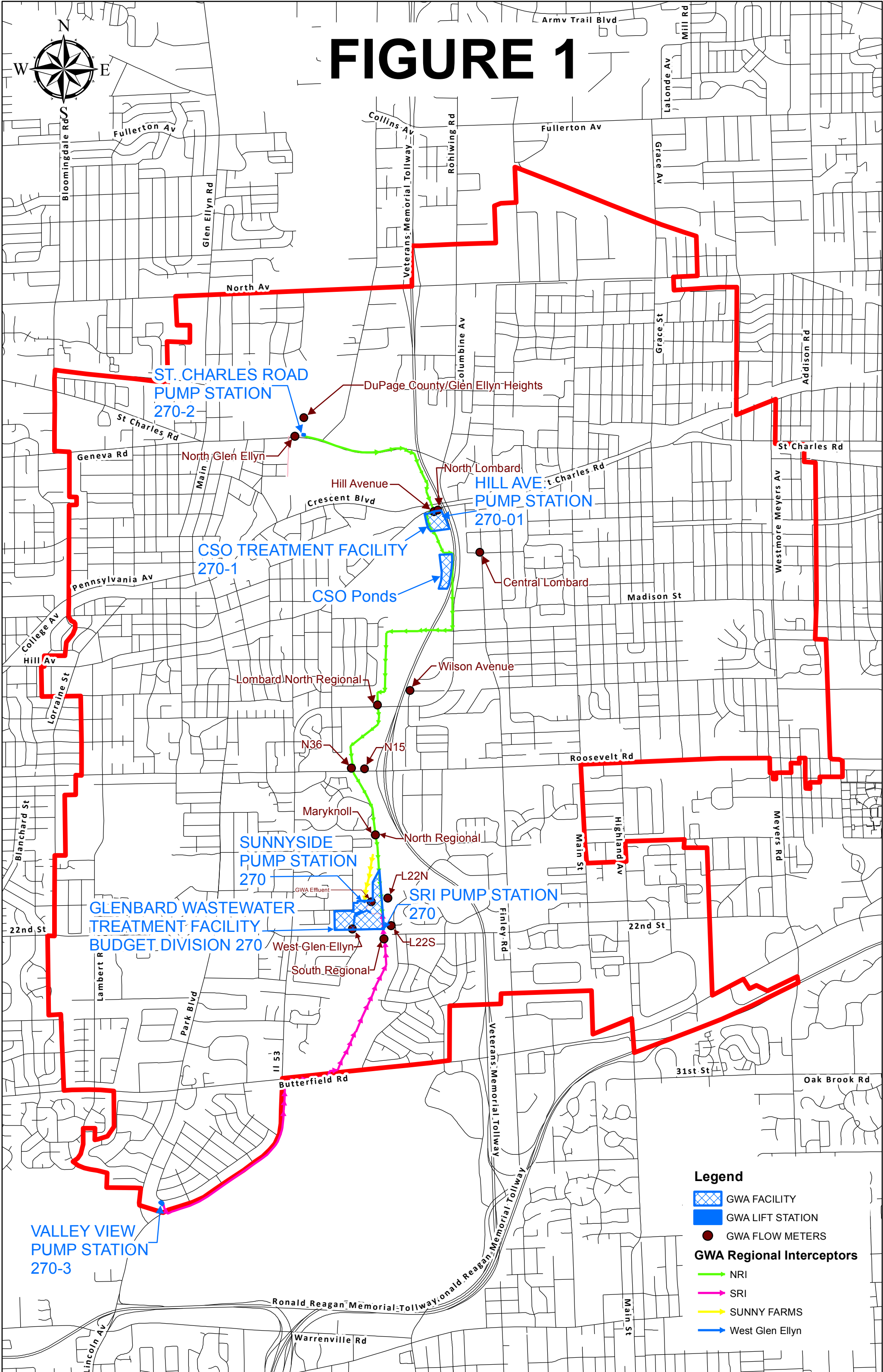
Subject: January 1, 2022 - December 31, 2022 Glenbard Wastewater Authority  
Budget (CY2022)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) CY2022 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 CY2022 partner allocation shows an overall decrease of \$4,668, or 0.1%, compared to the approved CY2021 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 1.5%. 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 (17) employees work full-time while another seven (7) work part-time. Eleven employees are certified by the Illinois Environmental Protection Agency in wastewater treatment operations, and eight (8) of those eleven (11) employees hold Class I certificates, the highest certification possible within the State of Illinois.

## **BUDGET ORGANIZATION**

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

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

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

The following is the fund allocation of the Capital fund:

Fund 40 - Equipment Replacement Fund

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

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

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

	<b>Estimated CY2021</b>	<b>Proposed CY2022</b>
Division		
270 - Glenbard Plant	\$4,589,128	\$4,462,850
SRI L.S		
Sunnyside L.S		
270-1 - Stormwater Plant	\$ 103,419	\$ 146,968
Hill Ave. L.S		
270-2 - N. Reg. Int.	\$ 26,321	\$ 30,950
St. Charles Rd. L.S		
270-3 - S. Reg. Int.	\$ 16,581	\$ 22,450
Valley View L.S		
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	\$4,735,449	\$4,663,218

### Cash Reserves / Working Cash

#### CY 2021

Cash Reserves at January 1, 2021	<u>1,439,597</u>
CY21 Projected Surplus/(Deficit)	<u>(34,812)</u>
Projected Cash Reserves at December 31, 2021	<u>1,404,785</u>
Less: Estimated Encumbrances at December 31, 2020	<u>0</u>
Projected Working Cash at December 31, 2021	<u>1,404,785</u>
Less: CY21 Required Minimum Working Cash	<u>(1,176,170) *</u>
<b>Projected Working Cash Surplus at December 31, 2021</b>	<b><u><u>228,615</u></u></b>

### Cash Reserves / Working Cash

#### CY 2022

Projected Cash Reserves at December 31, 2021	<u>1,404,785</u>
CY22 Projected Surplus/(Deficit)	<u>0</u>
Projected Cash Reserves at December 31, 2022	<u>1,404,785</u>
Less: Estimated Encumbrances at December 31, 2021	<u>0</u>
Projected Working Cash at December 31, 2022	<u>1,404,785</u>
Less: CY22 Required Minimum Working Cash	<u>(1,167,130) **</u>
<b>Projected Working Cash Surplus at December 31, 2022</b>	<b><u><u>237,656</u></u></b>

\* 25% of CY21 Operating Expenses of \$4,704,680

\*\* 25% of CY22 Operating Expenses of \$4,668,518

The seven most significant cost centers in the proposed CY2022 O&M budget are as follows:

1. **Personnel:** The CY2022 proposed GWA team level is at 18.75 full time equivalents (FTE). Personnel costs for the past twenty 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	18.3	
CY21	\$1,827,670	\$1,858,428	18.3	(Estimated)
CY22	\$1,912,464			(Budgeted)

2. **O&M:** Expenses are budgeted in the amount of \$755,538. 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	\$622,717	(Estimated)
CY22	\$548,600	(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 CY2022 budget is proposed at a cumulative amount of \$412,793. 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 \$413,900 for Liability and Health. This number represents all insurance required for the Authority's daily business.

6. **Liquid Oxygen:** The newer process of having liquid oxygen delivered versus producing it onsite provides the Authority with flexibility to operate the biological process with lower dissolved oxygen levels which translate into saving cost on liquid hauling. The budget amount for this line item is \$325,000.

7. **Fees:** Expenses are budgeted in the amount of \$294,923. Fees include payments for service, memberships, or regulatory fees during CY2022.

**CAPITAL FUND**

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

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

	<b>Estimated</b>	<b>Proposed</b>
	CY2021	CY2022
Fund 40 – Equip. Replacement		
Debt Payment	\$ 1,631,731	\$ 1,631,731
Project Expenses	\$ 9,199,988	\$ 5,518,388
Property Acquisition	\$ 0	\$ 550,000
Total	<u>\$10,831,720</u>	<u>\$ 7,700,199</u>

Proposed CY2022 capital expenses of \$7,700,199 are 29% or \$3,131,521 lower than the CY2021 estimated capital expenses of \$10,831,720. The decrease reflects the completion of both the Electrical Grid Rehabilitation Project (~\$4.7M) and the Biosolids Dewatering Improvements Project (~\$2.1M).

**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 CY2022 a five-year average flow split of 40.83% (Glen Ellyn) and 59.17% (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 CY2022 budget is inclusive of O&M Division 270 with expense allocation tracking for all facilities. Glen Ellyn recoups some of their operating costs through billings to DuPage County and Illinois-American Water Company.

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

	<b>Budgeted CY2021</b>	<b>Proposed CY2022</b>
Village of Lombard	\$2,790,987	\$2,753,309
Village of Glen Ellyn	<u>\$1,903,693</u>	<u>\$1,899,909</u>
<i><b>Total</b></i>	<i><b>\$4,694,680</b></i>	<i><b>\$4,653,218</b></i>

The overall O&M contribution by the two Villages has decreased by \$41,462 or 0.9% less than the CY2021 budget. The allocation to the Villages for the support of the O&M portion of the budget is \$4,653,218. The allocation to the Villages for support of the proposed Capital Fund is \$3,714,235.

**CONCLUSION**

The total proposed CY2022 budget and comparisons are as follows:

	<b>Budgeted CY2021</b>	<b>Proposed CY2022</b>
O&M	\$ 4,704,680	\$ 4,663,218
Capital	<u>\$ 7,105,241</u>	<u>\$ 7,820,119</u>
Total	\$11,809,922	\$12,483,337

Respectfully Submitted,



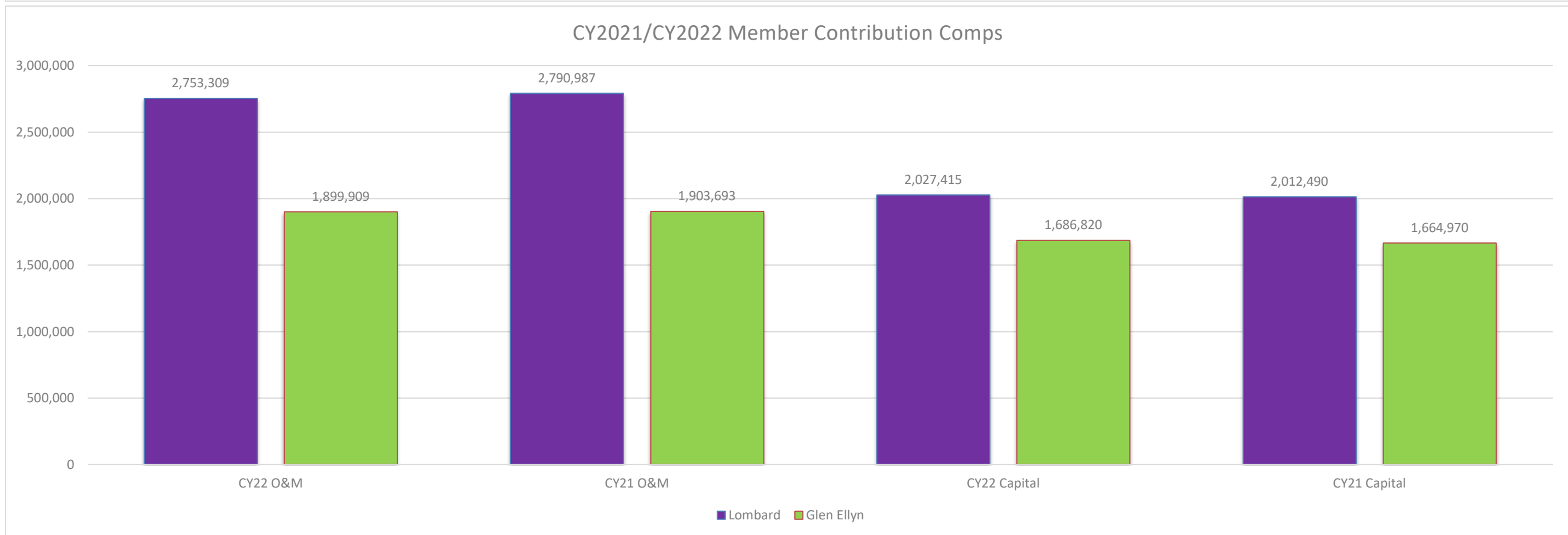
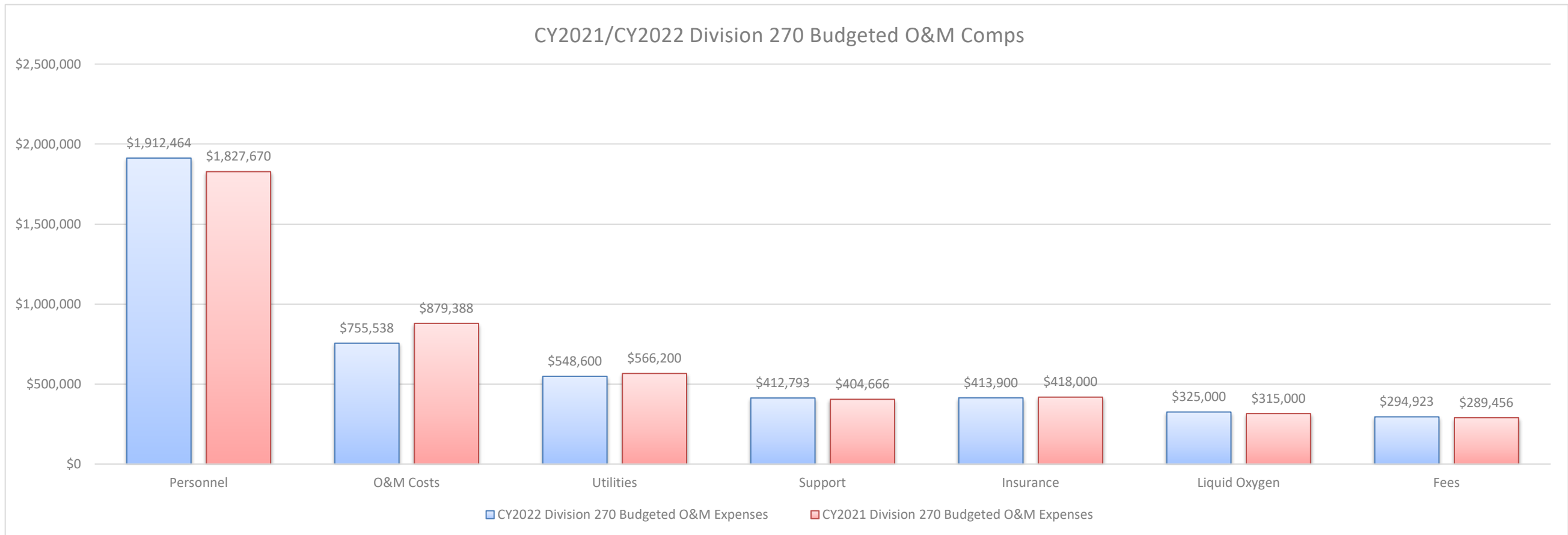
Matt Streicher, P.E. BCEE, PO, ENV SP  
 Executive Director  
 Glenbard Wastewater Authority

Glenbard Wastewater Authority  
 Budget CY2022  
 All Funds  
 Expense Allocation to Partners

<b>APPROVED CY2021 EXPENSES ALLOCATED TO PARTNERS</b>			
	LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund	2,790,987	1,903,693	4,694,680
<b>TOTAL O&amp;M BUDGET</b>	<b>2,790,987</b>	<b>1,903,693</b>	<b>4,694,680</b>
<b>CAPITAL EQUIPMENT REPLACEMENT FUND</b>	<b>2,012,490</b>	<b>1,664,970</b>	<b>3,677,461</b>
<b>TOTAL O&amp;M AND CAPITAL BUDGETS</b>	<b>4,803,477</b>	<b>3,568,663</b>	<b>8,372,141</b>
<b>ESTIMATED ACTUAL CY2021 EXPENSES ALLOCATED TO PARTNERS</b>			
	LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	2,707,127	1,882,001	4,589,128
270-1 -- Stormwater Plant / Hill Ave L.S.	61,007	42,412	103,419
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	15,527	10,794	26,321
270-3 -- South Reg. Int. / Valley View L.S.	9,781	6,800	16,581
<b>TOTAL O&amp;M BUDGET</b>	<b>2,793,442</b>	<b>1,942,008</b>	<b>4,735,449</b>
<b>CAPITAL EQUIPMENT REPLACEMENT FUND</b>	<b>2,027,415</b>	<b>1,686,820</b>	<b>3,714,235</b>
<b>TOTAL O&amp;M AND CAPITAL BUDGETS</b>	<b>4,820,857</b>	<b>3,628,828</b>	<b>8,449,684</b>
<b>CY2021 BUDGET OVER (UNDER)</b>	<b>17,380</b>	<b>60,165</b>	<b>77,543</b>
<b>PROPOSED CY2022 PARTNERS ALLOCATION</b>			
	LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund	2,753,309	1,899,909	4,653,218
<b>TOTAL O&amp;M BUDGET</b>	<b>2,753,309</b>	<b>1,899,909</b>	<b>4,653,218</b>
<b>CAPITAL EQUIPMENT REPLACEMENT FUND</b>	<b>2,027,415</b>	<b>1,686,820</b>	<b>3,714,235</b>
<b>TOTAL O&amp;M AND CAPITAL BUDGETS</b>	<b>4,780,724</b>	<b>3,586,729</b>	<b>8,367,453</b>
<b>Proposed CY2022 Partners Allocation Compared to Approved Expenses Allocated to Partners CY2021:</b>			
<b>Operation &amp; Maintenance</b>	<b>(\$37,678)</b> -1.3%	<b>(\$3,784)</b> -0.2%	<b>(\$41,462)</b> -0.9%
<b>Capital Improvements</b>	<b>\$14,925</b> 0.7%	<b>\$21,850</b> 1.3%	<b>\$36,774</b> 1.0%
<b>Total O&amp;M and Capital Budgets</b>	<b>(\$22,753)</b> -0.5%	<b>\$18,066</b> 0.5%	<b>(\$4,688)</b> -0.1%

<b>Glenbard Wastewater Authority</b>				
<b>Budget CY2022</b>				
<b>SUMMARY BY DIVISION</b>				
<b>Operations &amp; Maintenance</b>				
Expense Allocation to Partners	<b>Actual</b>	<b>Budgeted</b>	<b>Estimated</b>	<b>Budgeting</b>
<b>REVENUES</b>	<b>CY2020</b>	<b>CY2021</b>	<b>CY2021</b>	<b>CY2022</b>
Div. 270 -- Glenbard Wastewater Authority	4,248,925	4,694,680	4,699,533	4,653,218
<b>Interest O&amp;M Fund</b>	<b>979</b>	<b>10,000</b>	<b>1,105</b>	<b>10,000</b>
<b>Miscellaneous Revenue</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IRMA Reimbursement</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Revenues</b>	<b>4,249,904</b>	<b>4,704,680</b>	<b>4,700,638</b>	<b>4,663,218</b>
	<b>Actual</b>	<b>Budgeted</b>	<b>Estimated</b>	<b>Budgeting</b>
<b>EXPENSES</b>	<b>CY2020</b>	<b>CY2021</b>	<b>CY2021</b>	<b>CY2022</b>
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	4,099,373	4,515,212	4,589,128	4,462,850
270-1 -- Stormwater Plant / Hill Ave L.S.	110,172	136,968	103,419	146,968
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	24,565	30,050	26,321	30,950
270-3 -- South Reg. Int. / Valley View L.S.	13,836	22,450	16,581	22,450
<b>Total O&amp;M Expense:</b>	<b>4,247,946</b>	<b>4,704,680</b>	<b>4,735,449</b>	<b>4,663,218</b>
<b>Village of Glen Ellyn O&amp;M Expenditures</b>	<b>1,742,083</b>	<b>1,907,748</b>	<b>1,920,225</b>	<b>1,903,992</b>
<b>Village of Lombard O&amp;M Expenditures</b>	<b>2,505,863</b>	<b>2,796,932</b>	<b>2,815,225</b>	<b>2,759,226</b>
<b>Budget (Over) Under</b>	<b>1,958</b>	<b>(0)</b>	<b>(34,812)</b>	<b>0</b>
<b>Use of Available Cash</b>				

<b>Glenbard Wastewater Authority</b>				
<b>CY2022 Total Budget</b>				
	<b>Actual</b>	<b>Budgeted</b>	<b>Estimated</b>	<b>Budgeting</b>
	<b>CY2020</b>	<b>CY2021</b>	<b>CY2021</b>	<b>CY2022</b>
<b>Operations &amp; Maintenance</b>	<b>\$4,247,946</b>	<b>\$4,704,680</b>	<b>\$4,735,449</b>	<b>\$4,663,218</b>
<b>Capital Costs</b> (Expenses & Debt Repayment)	<b>\$3,577,746</b>	<b>\$7,105,241</b>	<b>\$10,831,720</b>	<b>\$7,820,119</b>
<b>TOTAL</b>	<b>\$7,825,692</b>	<b>\$11,809,921</b>	<b>\$15,567,169</b>	<b>\$12,483,337</b>



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

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

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

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

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

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

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

**Budget CY2022****Operations & Maintenance****Division 270****Expense Allocation to Partners****REVENUE**

		<b>Actual CY2020</b>	<b>Budgeted CY2021</b>	<b>Estimated CY2021</b>	<b>Budgeting CY2022</b>
<b>Operation/Maintenance</b>					
450010	Glen Ellyn Share - 40.83%	1,730,062	1,903,693	1,900,509	1,899,909
450015	Lombard Share - 59.17%	2,518,863	2,790,987	2,799,024	2,753,309
	Partners Allocation	4,248,925	4,694,680	4,699,533	4,653,218
	<b>Interst Income - O&amp;M Fund</b>	<b>979</b>	<b>10,000</b>	<b>1,105</b>	<b>10,000</b>
	<b>Misc. Revenue</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>IRMA Reimbursement</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>DIVISION 270</b>		<b>4,249,904</b>	<b>4,704,680</b>	<b>4,700,638</b>	<b>4,663,218</b>

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)

NOTE: The flow splits used to calculate partner payments for CY2020 are as follows:

Flow Split for Glen Ellyn: 41.01%

Flow Split for Lombard 58.99%

(for 5 yrs. Average ending 12/31/18)



**Budget CY2022**  
**Operations and Maintenance**  
**Division 270**  
**Expense Allocation to Partners**

Footnotes

**EXPENSES**

			Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2022	% Difference CY21-CY22	\$ Difference CY21-CY22
<b>Personnel Services</b>								
510100	Salaries - Regular	1	1,418,133	1,440,000	1,518,460	1,530,000	6.3%	90,000
510110	Salaries - Part-Time Ops.	2	39,505	60,000	40,156	65,000	8.3%	5,000
510200	Salaries - Overtime	3	45,724	66,000	41,410	66,000	0.0%	0
510300	Salaries - Temporary/Seasonal		1,698	7,000	6,900	14,000	100.0%	7,000
510400	FICA		107,519	120,335	118,425	128,138	6.5%	7,803
510500	IMRF	4	125,567	134,335	133,077	109,326	-18.6%	(25,009)
	State Unemployment		0	0	0	0	0.0%	0
	<b>Total</b>		<b>1,738,147</b>	<b>1,827,670</b>	<b>1,858,428</b>	<b>1,912,464</b>	4.6%	<b>84,794</b>
<b>Contractual Services and Commodities</b>								
520305	Employee Recognition		0	1,000	1,000	1,000	0.0%	0
520600	Dues/Subs./Fees		10,529	9,900	10,900	12,180	23.0%	2,280
520615	Recruiting/Testing		0	1,000	1,200	1,000	0.0%	0
520620	Employee Education	5	7,626	24,700	20,000	31,200	26.3%	6,500
520625	Travel (Mileage)		0	750	250	300	-60.0%	(450)
520700	Pro. Serv.-Legal Support	6	15,229	20,000	6,979	15,000	-25.0%	(5,000)
520750	Legal Notices		846	500	489	1,000	100.0%	500
520775	Regulatory Fees		52,735	53,000	53,000	53,241	0.5%	241
520776	DuPage River Salt Creek Work Group Fee	7	32,984	34,140	34,139	35,164	3.0%	1,024
520806	Pro. Serv.-Lab Support		22,906	25,000	32,485	27,500	10.0%	2,500
520816	External Consulting Fees	8	8,072	20,000	19,000	20,000	0.0%	0
520825	Audit Fees / Pro. Serv. - Acct.	9	11,700	15,100	26,200	15,100	0.0%	0
520885	Insurance - Liability (MICA)	10	136,331	145,000	138,310	149,400	3.0%	4,400
520893	Wellness/Health Incentives		600	0	0	0	0.0%	0
520895	Insurance - Health	11	260,856	273,000	284,813	264,500	-3.1%	(8,500)
520970	Maint. - Bldg. & Grds.		2,291	9,950	9,000	9,950	0.0%	0
520971	Bldg. & Grounds - Support		45,972	54,674	50,000	55,374	1.3%	700
520975	Maint. - Equipment		77,404	350,388	275,000	112,788	-67.8%	(237,600)
520976	Maint. - Support	12	44,687	64,750	60,000	61,650	-4.8%	(3,100)
520980	Maint. - Electronics		61,435	60,000	73,494	60,000	0.0%	0
520981	Elect. - Support	13	181,514	217,774	216,177	230,301	5.8%	12,527
520990	Operations - Supplies		9,098	7,100	9,901	11,100	56.3%	4,000
520991	Operations - Support		5,675	7,000	6,021	7,000	0.0%	0
521055	Professional Services - Other Support		1,409	4,000	3,800	4,000	0.0%	0
521130	Overhead Fees	14	134,228	137,316	137,316	139,238	1.4%	1,922
521150	Sludge Disposal - Land Applied	15	217,405	195,000	220,502	220,000	12.8%	25,000
521195	Telecommunications		29,693	27,200	31,915	30,600	12.5%	3,400
521201	Electric Power	16	456,941	375,000	424,936	350,000	-6.7%	(25,000)
521202	Natural Gas	17	37,134	60,000	90,049	60,000	0.0%	0
521203	Water		26,716	15,000	17,740	20,000	33.3%	5,000
521204	Self-Gen Gas		2,766	6,000	4,894	5,000	-16.7%	(1,000)
530100	Office Expenses		10,040	16,500	15,800	16,500	0.0%	0
530106	Operating Supplies - Lab		17,518	16,000	16,464	17,500	9.4%	1,500
530107	Pretreatment Expenses		34	4,500	577	4,500	0.0%	0
530200	Administrative Purchases		592	1,000	800	1,000	0.0%	0
530225	Safety		23,392	21,000	26,920	27,300	30.0%	6,300
530440	Chemicals	18	107,480	90,000	99,177	150,000	66.7%	60,000
530443	Liquid Oxygen	19	302,050	315,000	307,880	325,000	3.2%	10,000
530445	Uniforms		5,338	5,000	3,574	5,000	0.0%	0
	<b>Total</b>		<b>2,361,226</b>	<b>2,683,243</b>	<b>2,730,700</b>	<b>2,550,386</b>	-5.0%	<b>(132,856)</b>
<b>TOTAL DIVISION 270</b>			<b>4,099,373</b>	<b>4,510,912</b>	<b>4,589,128</b>	<b>4,462,850</b>	-1.1%	<b>(48,062)</b>

## **CY2022 DIVISION 270 O&M FOOTNOTES**

- (1) SALARIES (\$1,530,000):**  
This budget number includes salaries provided for seventeen (17) full-time staff members. The full-time equivalent for all staff is approximately 18.8 including part-time operators and seasonal staff.
- (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) IMRF (\$109,326):**  
This represents a \$25,009 decrease compared to the CY2021 budget number of \$134,335.
- (5) EMPLOYEE EDUCATION (\$31,200):**  
The employee education budget includes costs for attendance at seminars, conferences, and other educational courses – and includes travel costs and reimbursements. In addition to encouraging staff to receive continuing education, in 2019 the Illinois Environmental Protection Agency revised the requirements for Wastewater Operators to maintain their licenses, and now require continuing education, therefore we know staff will need to attend more events in order to keep their status current. Also, in CY22 WEFTEC will be in New Orleans, therefore, more costs are associated with attendance.
- (6) PROFESSIONAL SERVICE LEGAL (\$15,000):**  
This item had a \$5,000 decrease from CY2021 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 FIP, therefore, it has been lowered back down to its traditional amount for CY22.

(7) **DUPAGE RIVER SALT CREEK WORK GROUP (\$35,164):**

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 (\$20,000):**

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 CY2022 the Authority anticipates needing to use external consultants for a number of small jobs or studies. The amount was increased by \$5,000 for CY2021 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, it's being lowered back to it's standard amount of \$20,000.

(9) **AUDIT FEES (\$15,100):**

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 CY2021 financials.

(10) **INSURANCE LIABILITY (\$149,400):**

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 CY2022 and an excess liability policy. This Line item is a 3% increase over what was in the CY2021 budget. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.

(11) **INSURANCE HEALTH (\$264,500):**

Health care is provided through the Village of Glen Ellyn insurance plan. This line item reflects a \$8,500 decrease over the CY2021 budget number of \$273,000.

**(12) MAINTENANCE SUPPORT (\$61,650):**

This line item reflects work previously budgeted in the Maintenance-Contractual line item. This represents a \$3,100 decrease from the CY2021 budget number of \$64,750, and is a result of reduced support services for the Combined Heat and Power facility.

**(13) ELECTRICAL SUPPORT (\$230,301)**

This line item reflects an increase in CY2022 compared to CY2021 budget number of \$217,774. The increase is solely attributed to increased annual service charges related to the new computerized maintenance management system.

**(14) OVERHEAD FEES (\$139,238):**

Overhead fees per the Intergovernmental Agreement (IGA) are based on the annually published CPI-U Chicago increase of 1.4% for the CY2022 budget. 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 (\$220,000):**

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.

**(16) ELECTRIC POWER (\$350,000):**

In CY2017 The Authority signed a four-year agreement which began in CY2018 (February) with Direct Energy for a fixed fee of \$0.04436/kWh (reduction from previous 3-year contract with Dynegy Energy for \$.0478/kWh). In CY2021 the Authority entered into a new four-year agreement with Direct Energy for a fixed fee of \$0.03958/kWh that will take 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 to the digester upset, conservative numbers have been reinserted into the budget keeping in mind the uncertainty of the co-digestion/HSW program, and its effect on the ability to generate more electricity. The \$350,000 budget number for CY2022 was lowered from the previous years \$375,000 budget number, and is based on past trends and predicted CHP Electricity production. Due to significant changes related to the recently completed Facility Improvements Project, this number will be closely monitored once historical figures are able to be attained.

**(17) NATURAL GAS (\$60,000):**

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. The Authority is looking to continue to reduce our natural gas costs

with the CHP process which as a secondary savings driver will reduce the need for natural gas as a fuel for our 1.5 million BTU boilers used to heat the anaerobic digesters. The hot water created by the engines is used to heat the digester which lowers the temperature of the water as it recirculates back through the engine and gets reheated. The hydronic process of the CHP system is complicated due to the needs of two processes, the anaerobic digester heating demands and the CHP engine cooling demands. The two must work together to successfully regulate the temperatures each one specifically needs. The hot water if not needed by the boilers, will be cooled by the radiators to keep the CHPs from overheating.

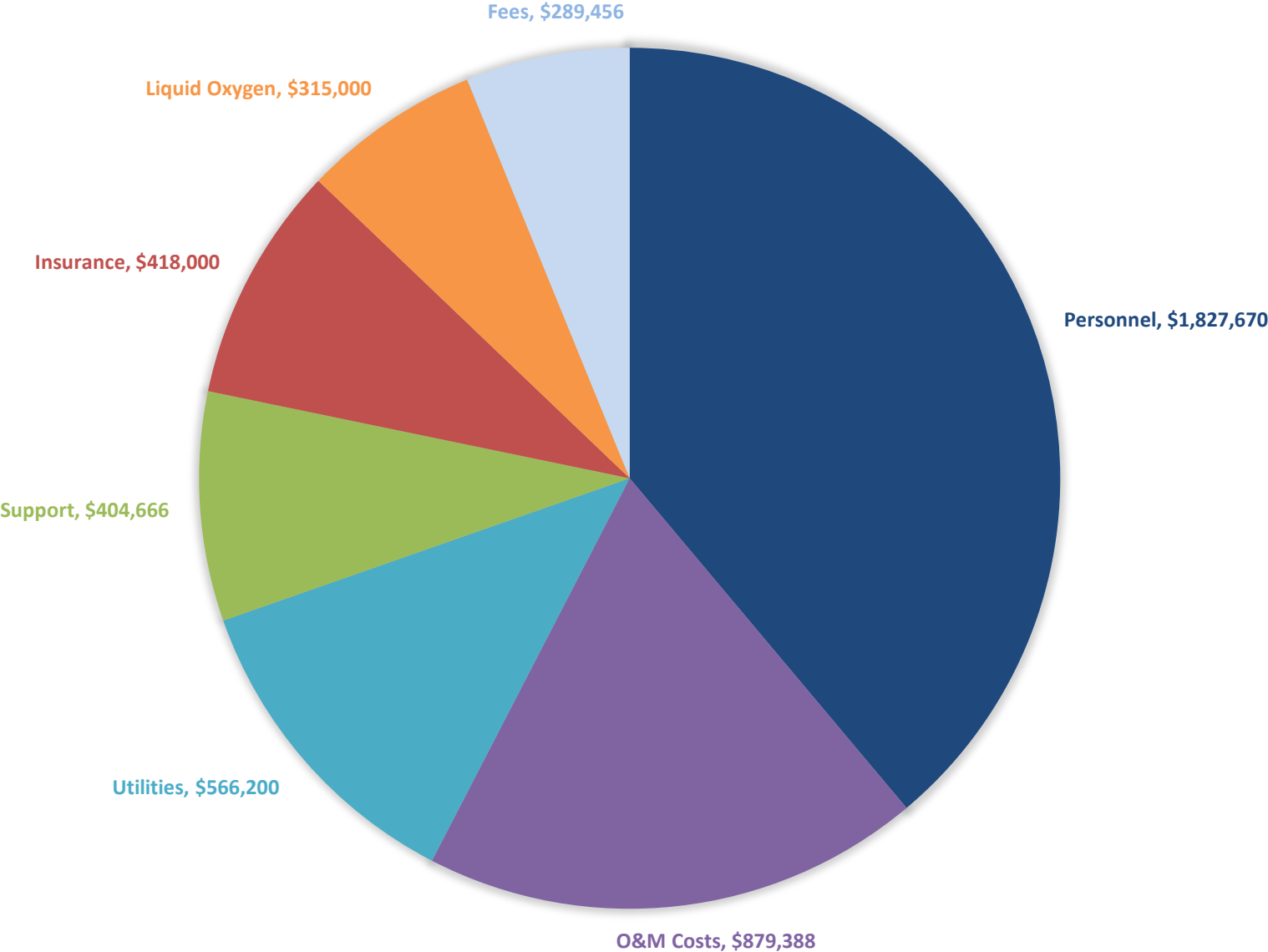
**(18) CHEMICALS (\$150,000):**

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 after the COVID pandemic. 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.

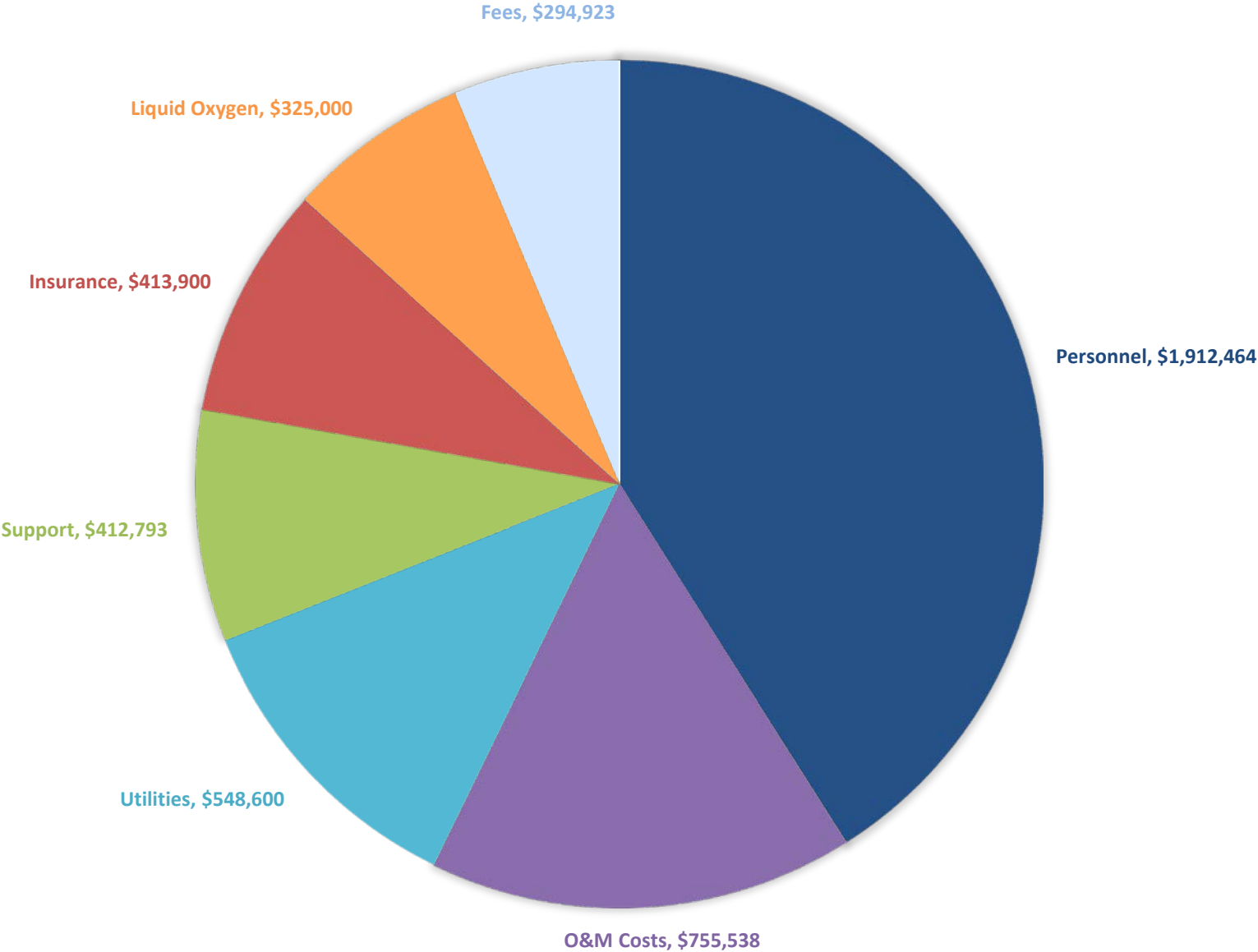
**(19) Liquid Oxygen (\$325,000)**

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 is set to expire in CY2022, and it's estimated material prices have significantly increased. Therefore, coupled with the ability to reduce usage, along with higher material prices, this item has seen a slight increase over CY2021's number of \$315,000.

# CY2021 O&M EXPENSES



# CY2022 O&M EXPENSES



**Glenbard Wastewater Authority  
CY2022 Personnel Budget  
Division 270 -- 510100-510500**

Item	Comments	CY21 Budgeted	CY22 Budgeting
510100	Salaries - Regular	1,440,000	1,530,000
510110	Part - Time Operations = 1.0 Full Time Equivalent	60,000	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	Part Time Labor = .5 Full Time Equivalent	7,000	14,000
	Salaries Regular, PT Ops & Seasonal	1,507,000	1,609,000
	Salaries Overtime (3)	66,000	66,000
	<b>Salaries</b>	<b>1,573,000</b>	<b>1,675,000</b>
510400	FICA - 7.65%	120,335	128,138
510500	IMRF - 6.85%	134,335	109,326
	<b>Personnel Services</b>	<b>\$1,827,670</b>	<b>\$1,912,464</b>



**Glenbard Wastewater Authority  
CY2022 Recognition/Awards Budget  
270 520305**

Item	Recommendation	CY21 Budgeted	Total	CY22 Budgeting	Total
Recognition/Awards	Miscellaneous (Manager's Discretion)	1,000		1,000	
<b>Total</b>		<u>1,000</u>	<u><b>\$1,000</b></u>	<u>1,000</u>	<u><b>\$1,000</b></u>

**Glenbard Wastewater Authority  
CY2022 Dues/Fees/Subscriptions Budget  
270 520600**

Item	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
Dues/Fees/Subs.	Water Environment Federation - Memberships	1,600		2,000	
	WEF - Publications	500		0	
	NACWA	1,100		1,100	
	IAWA	5,500		5,000	
	International Society of Automation	0		130	
	Conservation Foundation	300		250	
	License Renewals-Drivers/Electrician/Engineering	0		1,000	
	Julie - Locating Services	400		500	
	Newspaper Subscriptions	0		1,700	
	Various Memberships (Amazon, Costco, etc.)	500		500	
		<b>\$9,900</b>		<b>\$12,180</b>	

**Glenbard Wastewater Authority  
CY2022 Recruit/Test Budget  
270 520615**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Recruiting/Testing	Drug Screening	1,000	<u>1000</u>	1,000	<u>1000</u>

**Glenbard Wastewater Authority  
CY2022 Employee Training/Education Budget  
270 520620**

	<b>CY21 Budgeted</b>	<b>CY22 Budgeting</b>
<b>Administration</b>	<b>Employee Education - Administration</b>	
	WEFTEC -- New Orleans, LA	
	1,000	3,000
	Streicher	
	1,000	3,000
	Romza	
	5,000	5,000
	CSWEA. IWEA, IAWA (Meetings/Conferences)	
	1,000	1,000
	NACWA Pretreatment Conference - Staat	
	0	0
	IPSI - Illinois Public Sector Institute Training:	
	1,500	1,500
	Romza - Year 3 of 3 year training program	
	1,500	1,500
	Staat - Year 2 of 3 year training program	
<b>Operations</b>	<b>Employee Education - Operations (5 Operators)</b>	
	100	100
	WEFTEC --	
	0	0
	IPSI - Illinois Public Sector Institute Training	
	1,500	1,500
	Pakosta - Year 2 of 3 year training program	
	2,000	2,000
	Misc Tech Seminars	
	2,000	2,000
	Central States WEA, IAWA State Conferences	
<b>Maintenance</b>	<b>Employee Education - Maintenance</b>	
	0	0
	WEFTEC --	
	100	100
	Facilities Maintenance Show -- 4 Maint Mech (Chicago)	
	500	500
	Maintenance Based Courses/Seminars (APWA Snow and Ice)	
	0	0
	IPSI - Illinois Public Sector Institute Training	
	1,500	1,500
	Simpson - Year 1 of 3 year training program	
	3,000	3,000
	Misc Tech Seminars	
<b>Electrical</b>	<b>Employee Education - Electrical</b>	
	2,000	2,000
	Misc Tech Seminars	
	0	2,500
	Dziewior iFix Fundamental Course	
	0	0
	Facilities Maintenance, ISA Shows -- R. Freeman, P. Dziewior & J. Solita (Chicago)	
<b>Lab</b>	<b>Employee Education - Laboratory</b>	
	1,000	1,000
	Misc Tech Seminars	
	<b>\$24,700</b>	<b>\$31,200</b>

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

**Glenbard Wastewater Authority  
CY2022 Mileage Reimbursement Budget  
270 520625**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Travel	Travel for Seminars/Training				
	Manufacturing Trade Shows	250		0	
	I-Pass	500		300	
		<b>\$750</b>		<b>\$300</b>	

**Glenbard Wastewater Authority  
CY2022 Pro. Svc. Legal Budget  
270 520700**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Pro. Svc. Legal	Contracted Legal Assistance	20,000		15,000	
	<b>Total</b>		<b>\$20,000</b>		<b>\$15,000</b>

**Glenbard Wastewater Authority  
CY2022 Legal Notices  
270 520750**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Legal Notices	Chicago Tribune Daily Herald	500		1,000	
		<hr/>		<hr/>	
			<b>\$500</b>		<b>\$1,000</b>

**Glenbard Wastewater Authority  
CY2022 Regulatory Fees  
270 520775**

Item	Recommendation	CY21 Budgeted	Total	CY22 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	
		<b>\$53,000</b>		<b>\$53,241</b>	



**Glenbard Wastewater Authority  
CY2022 DuPage River Salt Creek Work Group Commitment  
270 520776**

<b>Recommendation</b>		<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
GWA	Workgroup Membership Dues	34,140		35,164	

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.

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.

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	<b>\$34,140</b>		<b>\$35,164</b>
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**Glenbard Wastewater Authority  
 CY2022 Prof. Svc. Lab. Budget  
 270 520806**

Item	Recommendation	CY21 Budgeted	Total	CY22 Budgeting	Total
Cont. Lab Testing	Suburban Laboratories (Metals) Digester Testing Monthly Process Testing Monthly Sludge Fecal Testing	25,000		27,500	
			<b>\$25,000</b>		<b>\$27,500</b>

**Glenbard Wastewater Authority  
CY2022 Prof. Svc. Eng. Budget  
270 520816**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Pro. Serv. Engr.	External Consulting Fees	20,000		20,000	
		<hr/>		<hr/>	
			<b>\$20,000</b>		<b>\$20,000</b>

**Glenbard Wastewater Authority  
 CY2022 Prof. Svc. Acct. Budget  
 270 520825**

Item	Recommendation	CY21 Budgeted	Total	CY22 Budgeting	Total
Pro. Svc. Acct.	Contracted Audit/Acct. Fees	11,700		11,700	
	Single Audit for SRF Disbursements	3,400		3,400	
			<b>\$15,100</b>		
				<b>\$15,100</b>	

**Glenbard Wastewater Authority  
 CY2022 Insurance Liability Budget  
 270 520885**

Item	Recommendation	CY21 Budgeted	Total	CY22 Budgeting	Total
Ins.-Liability	Fees for Liability Coverage	145,000	<b>\$145,000</b>	149,350	<b>\$149,400</b>

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

Total Liability Insurance Amount: \$149,350 is a 3% increase compared to the \$145,000 budgeted for CY2021

**Glenbard Wastewater Authority  
 CY2022 Health Insurance Fees Budget  
 270 520895**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Ins. - Health	Fees for Employee Health Insurance Coverage	273,000		264,500	
		<b>\$273,000</b>		<b>\$264,500</b>	

Total Health Insurance amount reflects a 21% increase over budgeted (\$273,000) for CY2022

**Glenbard Wastewater Authority  
 CY2022 - Buildings and Grounds Budget  
 Maintenance  
 270 520970**

Description	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
GWA Building/Grounds	Janitorial Supplies for Custodians	3,000		2,500	
	Door/Lock/Misc Repairs	1,250		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	250		750	
	Topsoil	2,000		1,500	
			<b>\$9,950</b>		<b>\$9,950</b>

**Glenbard Wastewater Authority**  
**CY2022 - Buildings and Grounds - Support Budget**  
**Maintenance**  
**270 520971**

<b>DESIGNATION</b>	<b>RECOMMENDATIONS</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Glenbard Plant	Roofing Systems Survey	0		0	
	Contractor Door/Lock Repairs	1,500		2,500	
	Spoil Removal	0		0	
	Shop Towel Service	2,400		2,500	
	Fire Extinguisher Service/Repairs	3,000		3,200	
	Elevator Service/Repairs	0		0	
	Elevator Press Tests	1,000		1,000	
	Elevator Inspections	2,500		2,500	
	Landscape Maintenance	20,624		20,624	
	Pest Control	300		300	
	Mosquito Spraying	600		0	
	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		750	
			<b>\$54,674</b>		<b>\$55,374</b>



**Glenbard Wastewater Authority  
CY2022 Equipment Maintenance Budget  
270 520975**

<b>Building</b>	<b>Designation</b>	<b>CY21 Budgeted</b>	<b>CY22 Budgeting</b>
A	Bar Screen	1,300	1,750
B	Raw Pump	1,700	2,700
C	Grit Removal	1,850	2,950
D	Primary Pump	1,400	2,400
E	Primary Scum	1,225	1,725
F	Unox	6,300	8,800
H	Screw Pump	7,550	7,750
I	Final Clarifiers	1,050	1,100
J	Pump & Metering	2,350	2,350
L	Sand Filter	700	1,050
N	Warehouse	100	100
P	Press	2,200	6,200
Q	Cryo.	3,100	3,100
R	Administration	1,500	2,000
S	Maint. Garage	4,000	4,250
T	Electrical Shop	2,700	700
U	Digester	3,000	3,150
V	Co-Gen	1,500	1,500
Y	Combined Heat and Power	287,813	39,813
Z	SRI Lift Station	3,250	3,250
	Miscellaneous	15,800	16,150
	<b>TOTAL</b>	<b>\$350,388</b>	<b>\$112,788</b>

**Glenbard Wastewater Authority**  
**CY2022 Equipment Maintenance Budget**  
**Maintenance**  
**270 520975**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
<b>Bldg A - Bar Screen</b>	Bar Screen PM/Repairs	750		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	
				<b>\$1,300</b>	
<b>Bldg B - Raw Pump</b>	Potable Water System PM/Repair	100		100	
	Non-Potable Water System PM/Repair	1,500		1,500	
	Raw Pump PM/Repair	100		1,000	
	Isolation Gate PM/Repair	0		100	
			<b>\$1,700</b>		<b>\$2,700</b>
<b>Bldg C - Grit</b>	Potable Water System PM/Repairs	100		100	
	Non-Potable Water System PM/Repairs	100		100	
	Grit Collection System PM/Repairs	200		200	
	Grit Pump System PM/Repairs	100		100	
	Grit Washer System PM/Repairs	750		750	
	Blower System PM/Repairs	200		200	
	Odor Control PM/Repair	400		1,500	
			<b>\$1,850</b>		<b>\$2,950</b>
<b>Bldg D - Primary Pump</b>	Potable Water System PM/Repairs	50		50	
	Sump Pump System PM/Repairs	250		250	

**Glenbard Wastewater Authority  
 CY2022 Equipment Maintenance Budget  
 Maintenance  
 270 520975**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
	Non-potable Water System PM/Repairs	100		100	
	Sludge Pump System PM/Repairs	500		1,000	
	Scum System PM/Repairs	500		1,000	
			<b>\$1,400</b>		<b>\$2,400</b>
<b>Bldg E - Primary Scum</b>	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	1,000		1,500	
			<b>\$1,225</b>		<b>\$1,725</b>
<b>Bldg F - Unox</b>	Seal Antifreeze	100		100	
	Unox System PM/Repairs	200		200	
	Mixer PM/Repairs	5,000		7,500	
	Valve Repair/Replacement	1,000		1,000	
			<b>\$6,300</b>		<b>\$8,800</b>
<b>Bldg H - Screw Pump</b>	V-Belts	750		750	
	Grease	5,800		6,000	
	Drive Oil	1,000		1,000	
		<u>1,000</u>	<b>\$7,550</b>	<u>1,000</u>	<b>\$7,750</b>
<b>Bldg I - Final Clarifiers</b>	Enclosure Insulation	50		100	
	Final Clarifier PM/Repair	500		500	

**Glenbard Wastewater Authority  
CY2022 Equipment Maintenance Budget  
Maintenance  
270 520975**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
	Valve PM/Repair	<u>500</u>		<u>500</u>	
			<b>\$1,050</b>		<b>\$1,100</b>
<b>Bldg J - Pump and Metering</b>	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	<u>250</u>		<u>250</u>	
			<b>\$2,350</b>		<b>\$2,350</b>
<b>Bldg L - Disc Filter</b>	Potable Water System PM/Repair	50		50	
	Non-Potable Water System PM/Repair	250		250	
	Disc Filter PM/Repair	<u>400</u>		<u>750</u>	
			<b>\$700</b>		<b>\$1,050</b>
<b>Bldg N - Warehouse</b>	Shelving Rehab	<u>100</u>		<u>100</u>	
			<b>\$100</b>		<b>\$100</b>
<b>Bldg P - Press</b>	Sludge Press System PM/Repair	750		750	
	FOG System PM/Repair	1,000		5,000	
	Non-Potable Water System PM/Repair	100		100	
	Polymer System PM/Repair	250		250	
	Potable Water System PM/Repair	100		100	
	Press Seal	<u>0</u>		<u>0</u>	
			<b>\$2,200</b>		<b>\$6,200</b>

**Glenbard Wastewater Authority**  
**CY2022 Equipment Maintenance Budget**  
**Maintenance**  
**270 520975**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
<b>Bldg Q - Cryo</b>	Oil and Filters	0		0	
	Misc. Parts	0		0	
	Instrument Air System PM/Repair	2,000		2,000	
	Potable Water System PM/Repair	100		100	

**Glenbard Wastewater Authority  
 CY2022 Equipment Maintenance Budget  
 Maintenance  
 270 520975**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
	Replacement PRV's	0		0	
	Emergency Repair/Parts	1,000		1,000	
		<u>1,000</u>	<b>\$3,100</b>	<u>1,000</u>	<b>\$3,100</b>
<b>Bldg R - Admin</b>	Lavatory Repair Parts	750		1,000	
	Laboratory Systems PM/Repair	500		500	
	Washer/Dryer Parts	250		500	
		<u>250</u>	<b>\$1,500</b>	<u>500</u>	<b>\$2,000</b>
<b>Bldg S - Maintenance Garage</b>	Welding Supplies	2,000		1,500	
	Potable Water System PM/Repair	250		250	
	Compressed Air System PM/Repair	500		500	
	Shop Tools	1,250		2,000	
		<u>1,250</u>	<b>\$4,000</b>	<u>2,000</u>	<b>\$4,250</b>
<b>Bldg T - CRAS/Electric Shop</b>	Compressed Air System PM/Repair	100		100	
	Potable Water System PM/Repair	50		50	
	Non-Potable Water System PM/Repair	150		150	
	Carbo Pumping System PM/Repair	2,300		300	
	Carbo Piping PM/Repair	100		100	
		<u>100</u>	<b>\$2,700</b>	<u>100</u>	<b>\$700</b>
<b>Bldg U - Digester</b>	Boiler Parts / Cleaning	200		200	
	Non-Potable Water System PM/Repair	150		150	

**Glenbard Wastewater Authority  
CY2022 Equipment Maintenance Budget  
Maintenance  
270 520975**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
	Potable Water System PM/Repair	50		50	
	Boiler PM/Repair	750		750	
	Recirculation Pump PM/Repair	750		750	
	Mixing Pump PM/Repair	500		500	
	Digester PM/Repair	250		250	
	Bio-gas System PM/Repair	250		250	
	Oil and Belts	100		250	
		<u>3,000</u>	<b>\$3,000</b>	<u>3,150</u>	<b>\$3,150</b>
<b>Bldg V - Co-Gen</b>	Coolant (Completed in 2017)	0		0	
	Oil	0		0	
	Filters (Air/Oil)	1,500		1,500	
	Miscellaneous (Plugs, Coils, etc.)	0		0	
		<u>1,500</u>	<b>\$1,500</b>	<u>1,500</u>	<b>\$1,500</b>
<b>Bldg Y - CHP</b>	600 Hour Service Interval (17 Intervals per engine)	18,000		18,000	
	1200 Hour Service Interval (6 Intervals per engine)	20,813		20,813	
	7500 Hour Service Interval (1 Interval per engine)	0		0	
	12000 Hour Service Interval (1 Interval per engine)	0		0	
	20000 Hour Service Interval (1 Interval per engine)	248,000		0	
	Recommended Spare Parts	1,000		1,000	
		<u>287,813</u>	<b>\$287,813</b>	<u>39,813</u>	<b>\$39,813</b>
<b>Bldg Z - SRI</b>	Salt/ Brine Parts (Snow)	250		250	
	Pump Parts/Seals	3,000		3,000	
		<u>3,250</u>		<u>3,250</u>	

**Glenbard Wastewater Authority  
 CY2022 Equipment Maintenance Budget  
 Maintenance  
 270 520975**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total \$3,250</b>	<b>CY22 Budgeting</b>	<b>Total \$3,250</b>
	<b>Miscellaneous</b>				
	Paints/Supplies	200		500	
	Replacement Tools	3,000		3,000	
	Oil Analysis	200		200	
	Batteries (Cordless Tools)	750		1,000	
	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	200		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	
		<u>15,800</u>	<b>\$15,800</b>	<u>16,150</u>	<b>\$16,150</b>
<b>GWA Facilities</b>	<b>TOTAL</b>		<b>\$350,388</b>		<b>\$112,788</b>



**Glenbard Wastewater Authority**  
**CY2022 Equipment Maintenance - Support Budget**  
**270-520976**

<b>Building</b>	<b>Designation</b>	<b>CY21 Budgeted</b>	<b>CY22 Budgeting</b>
R	Administration	1,200	1,200
S	Maint. Garage	1,250	1,250
T	CRAS/Electric Shop	0	0
U	Digester	0	0
V	Co-Gen	0	0
	Intermediate Clarifiers	0	0
Y	Combined Heat & Power	8,000	4,000
	Miscellaneous	15,600	16,100
	Vehicle Maintenance Services	38,700	39,100
	<b>TOTAL</b>	<b>\$64,750</b>	<b>\$61,650</b>

**Glenbard Wastewater Authority  
CY2022 Equipment Maintenance - Support  
Maintenance  
270-520976**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
<b>Bldg R - Administration</b>	Washer/Dryer Chemicals	<u>1200</u>	<b>\$1,200</b>	<u>1200</u>	<b>\$1,200</b>
<b>Bldg S - Maintenance Garage</b>	Safety Klean Parts Service	0	<b>\$1,250</b>	0	<b>\$1,250</b>
	Torch Gas Cylinder Lease	750		750	
	Miscellaneous	<u>500</u>		<u>500</u>	
<b>Bldg T - CRAS/Electrical Shop</b>	Boiler Repairs	0	<b>\$0</b>	0	<b>\$0</b>
	Pump Repairs	0		0	
	Boiler Certification Inspections	<u>0</u>		<u>0</u>	
<b>Bldg U - Digester</b>	Boiler Repairs	0	<b>\$0</b>	0	<b>\$0</b>
	Boiler Tuneup/Inspection/Cleaning/Repairs	0		0	
	Boiler Certification Inspections	<u>0</u>		<u>0</u>	
<b>Bldg Y - CHP</b>	Support Services	<u>8,000</u>	<b>\$8,000</b>	<u>4,000</u>	<b>\$4,000</b>
<b>GWA Facilities</b>	<b>Miscellaneous Certifications/Services</b>				
	Overhead Crane Inspection/Repairs	2,000		2,000	
	State Boiler/Pressure Vessel Certifications	2,500		2,500	
	Elevator Service	1,500		1,500	

**Glenbard Wastewater Authority  
 CY2022 Equipment Maintenance - Support  
 Maintenance  
 270-520976**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
	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	2,500		3,000	
	Contracted Crane Service	2,000		2,000	
	Unanticipated Contracted Repairs	1,000		1,000	
		<u>1,000</u>		<u>1,000</u>	
			<b>\$15,600</b>		<b>\$16,100</b>
Equipment Services Support		<u>38,700</u>		<u>39,100</u>	
			<b>\$38,700</b>		<b>\$39,100</b>
	<b>TOTAL</b>		<b>\$64,750</b>		<b>\$61,650</b>

**Glenbard Wastewater Authority**  
**CY2022 Maintenance Electronics Budget Details**  
**270 520980**

	<b>Building</b>	<b>Designation</b>	<b>CY21 Budgeted</b>	<b>CY22 Budgeting</b>
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	11,000
			<b>\$60,000</b>	<b>\$60,000</b>

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

Designation	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
<b>Bar Screen</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM Repairs	500		500	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	800		800	
	SCADA System PM/Repairs	400		400	
	Telecommunications PM/Repairs	0		0	
	<b>Bar Screen Total</b>		<b>\$2,600</b>		<b>\$2,600</b>
<b>Raw Pumps</b>	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	1,000		1,000	
	HVAC Equipment PM/Repairs	700		700	
	Instrumentation PM/Repairs	1,000		1,000	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	1,000		1,000	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	1,000		1,000	
	Telecommunications PM/Repairs	0		0	
	<b>Raw Pumps Total</b>		<b>\$5,300</b>		<b>\$5,300</b>

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

Designation	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
<b>Grit</b>	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	400		400	
	HVAC Equipment PM/Repairs	300		300	
	Instrumentation PM/Repairs	500		500	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	0		0	
		<b>Grit Total</b>	<u><u>2,400</u></u>	<b>\$2,400</b>	<u><u>2,400</u></u>
<b>Primary Clarifier</b>	Control Panel PM/Repairs	0		0	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	0		0	
	Instrumentation PM/Repairs	100		100	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	0		0	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	<b>Primary Clarifier Total</b>	<u><u>500</u></u>	<b>\$500</b>	<u><u>500</u></u>	<b>\$500</b>

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
<b>Primary Pump</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	400		400	
	Instrumentation PM/Repairs	100		100	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	<b>Primary Pump Total</b>		<b>\$2,100</b>		<b>\$2,100</b>
<b>Unox Deck</b>	Control Panel PM/Repairs	500		500	
	Electrical Distribution PM/Repairs	500		500	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	1,000		1,000	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	1,300		1,300	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	<b>Unox Deck Total</b>		<b>\$3,800</b>		<b>\$3,800</b>

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

Designation	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
<b>ATAD</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	0		0	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	<b>ATAD Total</b>	<u><u>500</u></u>	<b>\$500</b>	<u><u>500</u></u>	<b>\$500</b>
<b>Screw Pump</b>	Control Panel PM/Repairs				
	Electrical Distribution PM/Repairs	1,000		1,000	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	200		200	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	500		500	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	<b>Screw Pump Total</b>	<u><u>2,100</u></u>	<b>\$2,100</b>	<u><u>2,100</u></u>	<b>\$2,100</b>



**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

Designation	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
<b>Final Clarifer</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	500		500	
	HVAC Equipment PM/Repairs	0		0	
	Instrumentation PM/Repairs	250		250	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	0		0	
	<b>Final Clarifier Total</b>		<b>\$1,350</b>		<b>\$1,350</b>
<b>Pump and Meter</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	1,000		1,000	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	<b>Pump and Metering Total</b>		<b>\$2,300</b>		<b>\$2,300</b>

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
<b>Thickener</b>	Control Panel PM/Repairs	0		0	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	50		50	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	<b>Thickener Total</b>		<b>\$550</b>		<b>\$550</b>
<b>Sandfilter</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	300		300	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	<b>Sandfilter Total</b>		<b>\$1,700</b>		<b>\$1,700</b>

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
<b>Warehouse</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
		<b>Warehouse Total</b>		<b>\$800</b>	
<b>UV</b>	Control Panel PM/Repairs	1,000		1,000	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	300		300	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
		<b>UV Total</b>		<b>\$2,700</b>	

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

Designation	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
<b>Press</b>	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	500		500	
	HVAC Equipment PM/Repairs	500		500	
	Instrumentation PM/Repairs	1,000		1,000	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
	<b>Press Total</b>	<u>3,400</u>	<b>\$3,400</b>	<u>3,400</u>	<b>\$3,400</b>
<b>Cryo</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	400		400	
	Telecommunications PM/Repairs	0		0	
	<b>Cryo Total</b>	<u>1,100</u>	<b>\$1,100</b>	<u>1,100</u>	<b>\$1,100</b>

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

Designation	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
<b>Administration</b>	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	500		500	
	Instrumentation PM/Repairs	400		400	
	LAN PM/Repairs	300		300	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	500		500	
	<b>Administration Total</b>		<b>\$2,900</b>		<b>\$2,900</b>
<b>Maintenance Garage</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		200	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	200		200	
	<b>Maintenance Garage Total</b>		<b>\$1,300</b>		<b>\$1,300</b>

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

Designation	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
<b>CRAS</b>	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	800		800	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	200		200	
	SCADA System PM/Repairs	200		200	
	Telecommunications PM/Repairs	300		300	
		<b>CRAS Total</b>	<u><u>300</u></u>	<b>\$2,200</b>	<u><u>300</u></u>
<b>Digester</b>	Control Panel PM/Repairs	300		300	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	400		400	
	Instrumentation PM/Repairs	500		500	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	500		500	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
		<b>Digester Total</b>	<u><u>0</u></u>	<b>\$3,300</b>	<u><u>0</u></u>

**Glenbard Wastewater Authority  
CY2022 Maintenance Electronics Budget Details  
270 520980**

Designation	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
<b>CHP</b>	Control Panel PM/Repairs	300		300	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	400		400	
	Instrumentation PM/Repairs	500		500	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	500		500	
	Safety Equipment PM/Repairs	500		500	
	SCADA System PM/Repairs	500		500	
	Telecommunications PM/Repairs	0		0	
		<b>Digester Total</b>		<b>\$3,300</b>	
<b>Co-Gen</b>	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	300		300	
	HVAC Equipment PM/Repairs	300		300	
	Instrumentation PM/Repairs	800		800	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	300		300	
	Safety Equipment PM/Repairs	300		300	
	SCADA System PM/Repairs	300		300	
	Telecommunications PM/Repairs	0		0	
		<b>Co-Gen Total</b>		<b>\$2,800</b>	
<b>Electrical Supplies</b>	Conduit, wire, enclosures, fittings, switches, batteries, cleaning supplies, contact cleaners electronic components, Pneumatic Tubing & Fittings Thermal Overloads, fasteners, strut				

**Glenbard Wastewater Authority  
 CY2022 Maintenance Electronics Budget Details  
 270 520980**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
	wire, nuts, etc.	11,000		11,000	
	<b>Electrical Total</b>	<u>11,000</u>	<b>\$11,000</b>	<u>11,000</u>	<b>\$11,000</b>
	<b>Grand Total</b>		<u><u>\$60,000</u></u>		<u><u>\$60,000</u></u>



**Glenbard Wastewater Authority**  
**CY2022 Electrical/Electronics - Support Budget**  
**270 520981**

Designation	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
Administration	Network/Communications Consulting	10,000		10,000	
	Intellution iFIX Global Support	9,200		9,200	
	Software Support agreement Specter (Win-911)	1,200		2,100	
	Software Support Agreements Cisco Smartnet	2,200		2,500	
	Software Support Fortinet Firewall Appliance	800		1,200	
	Software Support Agreement CMMS Data (MVP Plant)	0		21,600	
	Software Support Agreement Rockwell (PLC)	1,300		1,350	
	Software Support OpWorks	5,300		4,800	
	Software Support Agreement TimeTrax (Time Clock)	200		150	
	Software Support Agreement and Battery ADS ECHO	499		499	
	Software Support Symantec (A/V)	500		500	
	Software Support MS Mail Hosting	300		1,700	
	Software Support HP Switches	750		1,000	
	Telephone System Support Agreement B&B Networks	2,750		2,500	
	Zoom Professional account	155		155	
	Fire/Security Alarm Systems Support Agreement Siemens	12,600		7,112	
	Fire/Security Alarm Systems Testing & Monitoring	3,000		3,150	
	Microsoft Server Select Agreement / Client Select Agreement	4,200		4,400	
	Carbonite Offsite Backup Service	1,100		1,200	
	Web Hosting & Support	400		1,200	
Software Support Agreement ArcGIS (ESRI)	800		800		
Pretreatment	Linko Annual Software License Fee	4,120		4,285	
Pretreatment	SWIFTCOMPLY Annual Service Fee	4,000		5,500	
Flow Metering	RJN Flow Meter Maintenance/Data Analysis	132,000		132,000	
UV	Effluent Ammonia Analyzer Service Contract	6,100		6,400	
Plant Wide	HVAC Refrigeration Repairs	5,000		5,000	
Co-Generation	Switchgear Bi-Annual PM	6,000		0	
	Protection Relay Bi-Annual Calibration	3,300		0	
		<b>\$217,774</b>		<b>\$230,301</b>	

**Glenbard Wastewater Authority  
 CY2022 Operations - Supplies Budget  
 270 520990**

Item	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
Operating Supplies	Operational Supplies				
	Misc. Supplies from Various Vendors	3,400		3,400	
	Yard Hose Replacements	2,500		2,500	
	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		0	
		<b>\$11,100</b>		<b>\$11,100</b>	

**Glenbard Wastewater Authority  
 CY2022 Operations - Support Budget  
 270 520991**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Plant Wide	Solid Waste / Recycle Waste Disposal	7,000		7,000	
UV	Recycle Fees	0		0	
		<b>\$7,000</b>		<b>\$7,000</b>	

**Glenbard Wastewater Authority  
CY2022 Professional Services - Other  
270 521055**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Administration	Temporary labor services are billed to this account	4,000		4,000	
		<hr/>		<hr/>	
			<b>\$4,000</b>		<b>\$4,000</b>

**Glenbard Wastewater Authority  
CY2022 Service Charge Budget  
270 521130**

Item	Recommendation	CY21 Budgeted	Total	CY22 Budgeting	Total
Service Charge	Village of Glen Ellyn -- Overhead fees	137,316		139,238	
		<b>\$137,316</b>		<b>\$139,238</b>	

CY2022 Overhead fees at 1.4% CPI-U Chicago increase

**Glenbard Wastewater Authority  
CY2022 Sludge Disposal - Land App. Budget  
270 521150**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Sludge Disposal	Trucking fees for Sludge Removal	185,000		220,000	
		<hr/>			
	<b>Total</b>		<b>\$185,000</b>		<b>\$220,000</b>

**Glenbard Wastewater Authority  
CY2022 Telecomm Budget  
270 521195**

Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
Call One - Admin	12,000		15,000	
PRI Circuit (1901)				
Security Panel (1904)				
SCADA WIN-911 on SCADA 1 & 2 (0958, 0689)				
Fax Line (8119, ported to PRI)				
Dedicated Elevator (1486), CSO (2560)				
Brokered Nat. Gas Meter Reader (0407)				
V.V. Lift Station (1242), St.Char. Lift Station (1247)				
Cell Phone Reimbursements (Matt, Asst. Director, LSC, ERC)	2,400		2,400	
Comcast Internet - Primary ISP	2,700		3,300	
AT&T Internet - Secondary ISP (U-Verse)	1,300		1,100	
Verizon Cellular Service - Phones, tablets	5,800		5,800	
Verizon Cellular Service - RTU Radio Network	3,000		3,000	
		<b>\$27,200</b>		<b>\$30,600</b>

**Glenbard Wastewater Authority  
CY2022 Electrical Power Budget  
270 521201**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Electrical Power	Fees for Purchase of Electric Power & ComEd Delivery Services	395,000		350,000	
		<hr/>		<hr/>	
			<b>\$395,000</b>		<b>\$350,000</b>



**Glenbard Wastewater Authority  
CY2022 Natural Gas - Brokered - Budget  
270 521202**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Nat. Gas - Brokered	Fees for Direct and Brokered purchase of Natural Gas	60,000		60,000	
		<hr/>		<hr/>	
			<b>\$60,000</b>		<b>\$60,000</b>

**Glenbard Wastewater Authority  
CY2022 Water Budget  
270 521203**

Item	Recommendation	CY21 Budgeted	Total	CY22 Budgeting	Total
Water	Fees for Purchase of Potable Water - Village of Glen Ellyn	20,000		20,000	
		<b>\$20,000</b>		<b>\$20,000</b>	

**Glenbard Wastewater Authority  
CY2022 Co-Gen Natural Gas Budget  
270 521204**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Natural Gas	Fees for Purchase of Natural Gas (Co-Generation Unit)	6,000		5,000	
		<hr/>		<hr/>	
			<b>\$6,000</b>		<b>\$5,000</b>

**Glenbard Wastewater Authority  
CY2022 Office Supplies Budget  
270 530100**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Office Supplies	Supplies for Administrative Management functions (I.e. Office Supplies, Federal Express, UPS, printer/fax, copier supplies, printing)	10,000		10,000	
	Minolta Bus. Sys. Support (copy machine)	2,000		2,000	
	Postage Meter Rental/Postage	1,500		1,500	
	Coffee Machine Services/Supplies	3,000		3,000	
<b>Total</b>			<b>\$16,500</b>		<b>\$16,500</b>

**Glenbard Wastewater Authority  
CY2022 Laboratory Supplies Budget  
270 530106**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Laboratory Supplies	Laboratory Consumables and Glassware	16,000		17,500	
		<hr/>		<hr/>	
			<b>\$16,000</b>		<b>\$17,500</b>

**Glenbard Wastewater Authority  
 CY2022 Pretreatment Supplies Budget  
 270 530107**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Pretreatment Supplies	Sampling, Dyes, Test Kits, Tools	1,000		1,000	
Public Outreach	Flyers/Brochures/Artwork/Magnets	0		0	
Testing	Annual Local Limit Baseline Testing	3,500		3,500	
		<b>\$4,500</b>		<b>\$4,500</b>	

**Glenbard Wastewater Authority**  
**CY2022 Administrative Purchasing Budget**  
**270 530200**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Purchasing	Aerial Photography	0		0	
	Celebrating Success	500		500	
	Office Decorations	500		500	
<b>Total</b>			<hr/>		<hr/>
			<b>\$1,000</b>		<b>\$1,000</b>

**Glenbard Wastewater Authority  
CY2022 Safety Budget  
270 530225**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Admin	Portable Gas Detection Meter Cal Gas	1,200		1,200	
	Portable Gas Detection Meter Repair/Replacement	2,500		2,500	
	Confined Space Equip. Repairs/Replacement	1,200		1,200	
	Safety Audit	0		3,500	
	Safety shoes (\$200 max. allowance)	3,800		4,600	
	Cintas (First Aid Kit Supplies)	3,300		4,300	
	Safety Supplies	5,000		6,000	
	Safety Program Consultations & Training	3,000		3,000	
	Site Safety and Signage	1,000		1,000	
	<b>Total</b>		<b>\$21,000</b>		<b>\$27,300</b>



**Glenbard Wastewater Authority  
 CY2022 Chemical Supplies Budget  
 270 530440**

Item	Recommendation	CY21 Budgeted	Total	CY22 Budgeting	Total
Treatment Costs	Chemicals that are utilized through daily operation: Hypochlorite, polymer, odor control, struvite control, cleaning, acid wash, soda ash, etc.	90,000		100,000	
	Hydrogen Peroxide Odor System (USP Technologies)	0		50,000	
			<b>\$90,000</b>		
			<b>\$150,000</b>		

**Glenbard Wastewater Authority  
CY2022 Liquid Oxygen Supply Budget  
270 530443**

<b>Item</b>	<b>Recommendation</b>	<b>CY21 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Cryo	Liquid Oxygen	315,000		325,000	
			<hr/>	<hr/>	<hr/>
			<b>\$315,000</b>		<b>\$325,000</b>

**Glenbard Wastewater Authority  
CY2022 Uniforms Budget  
270 530445**

<b>Item</b>	<b>Recommendation</b>	<b>CY201 Budgeted</b>	<b>Total</b>	<b>CY22 Budgeting</b>	<b>Total</b>
Uniforms	Uniform Replacements	5,000		5,000	
		<hr/>			
<b>Total</b>			<b>\$5,000</b>		<b>\$5,000</b>

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

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

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

**Budget CY2022**

**EXPENSES**

**Operations & Maintenance**

**Division 270-1**

**Stormwater Plant & Hill Avenue Lift Station**

		<b>Actual CY2020</b>	<b>Budgeted CY2021</b>	<b>Estimated CY2021</b>	<b>Budgeting CY2022</b>	<b>% Difference CY19-CY20</b>	<b>\$ Difference CY19-CY20</b>
<b>Operations &amp; Maintenance</b>							
520775	Regulatory Fees	20,000	20,000	20,000	20,000	0.0%	0
520970	Maint. - Bldgs. & Grnds. / Support	7,411	10,768	8,000	10,768	0.0%	0
520975	Maint. - Equipment	1,398	5,200	5,000	5,200	0.0%	0
520980	Maint. - Electronics	363	2,000	1,800	2,000	0.0%	0
521201	Electric Power	30,323	38,000	19,612	38,000	0.0%	0
521202	Natural Gas	2,415	5,000	5,446	5,000	0.0%	0
521203	Water	3,517	5,000	3,800	5,000	0.0%	0
530105	Operations Supplies	21	1,000	835	1,000	0.0%	0
<b>Commodities</b>							0
530440	Chemicals	44,724	50,000	38,926	60,000	20.0%	10,000
<b>Total 270-1</b>		<b>110,172</b>	<b>136,968</b>	<b>103,419</b>	<b>146,968</b>	<b>7.3%</b>	<b>10,000</b>

**Glenbard Wastewater Authority**  
**CY2022 Budget - 270-1 - Stormwater Plant & Hill Avenue Lift Station**

Item	Recommendations	CY21 Budgeted	Total	CY22 Budgeting	Total
520775	IEPA Regulatory Fees	20,000		20,000	
			<b>\$20,000</b>		<b>\$20,000</b>
520970	Building/Grounds	Misc. Repairs	2,500		2,500
		Sidewalk Repairs	500		500
	Bldg/Grnds - Support	Door/Lock/Window Repairs	500		500
		Landscape Maintenance	5,768		5,768
		Pest Control	100		100
		Fire Extinguisher Service/Repairs	100		100
		Tru-Green Chemlawn	800		800
		Roof Inspection	0		0
		Roof Repairs	500		500
		Sidewalk Repairs	0		0
			<b>\$10,768</b>		<b>\$10,768</b>
520975	Maintenance	Unanticipated Equipment Repairs	1,000		1,000
		Hill Avenue Submersible Pump Service	1,000		1,000
		Grease/Oil/Belts	2,500		2,500
		Peristaltic Pump Replacement Hose	500		500
	Equipment - Support	Unanticipated Equipment Repairs	0		0
		RPZ Inspections	200		200
			<b>\$5,200</b>		<b>\$5,200</b>
520980	Elect. Maintenance	Control Panel PM/Repairs	200		200
		Electrical Distribution PM/Repairs	200		200
		HVAC Equipment PM/Repairs	300		300
		Instrumentation PM/Repairs	400		400
		LAN PM/Repair	0		0
		Lighting Equipment PM/Repairs	200		200
		Motor PM/Repairs	250		250



**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 CY2022  
 Operations & Maintenance  
 270-2  
 NRI / St. Charles Road L.S.

EXPENSES

		Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2021	% Difference CY20-CY21	\$ Difference CY20-CY21
<b>St. Charles Rd. Lift Station</b>							
520970 SC	Maint. - Bldg. & Grnds.	52	450	450	950	111.1%	500
520975 SC	Maint - Equipment	6,184	7,600	7,500	8,500	11.8%	900
520980 SC	Maint. - Electronics	0	1,500	3,277	1,500	0.0%	0
521201 SC	Electric Power	18,278	20,000	14,644	20,000	0.0%	0
<b>Total</b>		<b>24,513</b>	<b>29,550</b>	<b>25,871</b>	<b>30,950</b>	4.7%	1,400
<b>North Regional Interceptor</b>							
520970 NRI	Maint. - Piping & Grnds.	52	500	450	0	-100.0%	(500)
<b>Total</b>		<b>52</b>	<b>500</b>	<b>450</b>	<b>0</b>	-100.0%	(500)
<b>Total 270-2</b>		<b>24,565</b>	<b>30,050</b>	<b>26,321</b>	<b>30,950</b>	3.0%	900



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

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

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

**Budget CY2022**  
**Operations & Maintenance**  
**270-3**

**EXPENSES**

SRI / Valley View L.S.		Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2022	% Difference CY20-CY21	\$ Difference CY20-CY21
<b>Valley View Lift Station</b>							
520970 VV	Bldg. & Grnds. Support	52	700	600	1,200	71.4%	500
520975 VV	Maint. - Equipment	2,797	5,750	5,500	5,750	0.0%	0
520980 VV	Maint. - Electronics	0	500	400	500	0.0%	0
521201 VV	Electric Power	9,622	13,000	7,841	13,000	0.0%	0
521203 VV	Water	1,312	2,000	1,840	2,000	0.0%	0
<b>Total</b>		<b>13,784</b>	<b>21,950</b>	<b>16,181</b>	<b>22,450</b>	2.3%	500
<b>South Regional Interceptor</b>							
520970	Maint. - Piping & Grnds.	52	500	400	0	-100.0%	(500)
<b>Total</b>		<b>52</b>	<b>500</b>	<b>400</b>	<b>0</b>	-100.0%	(500)
<b>Total 270-3</b>		<b>13,836</b>	<b>22,450</b>	<b>16,581</b>	<b>22,450</b>	0.0%	0

**Glenbard Wastewater Authority  
CY2022 Budget - 270-3 - SRI / Valley View L.S.**

DESIGNATION	Item	Recommendation	CY21 Budgeted	Total	CY22 Budgeting	Total
<b>Valley View Lift Station</b>						
520970 VV	Bldg./Grnds - Support	Miscellaneous	500		1,000	
		Annual RPZ Certification	200		200	
				<b>\$700</b>		<b>\$1,200</b>
520975 VV	Maint. Equip.	Misc Parts/Oils (Post Warranty)	1,500		1,500	
		Generator Diesel Fuel	750		750	
		Pump Maintenance	2,000		2,000	
		Generator Service	1,500		1,500	
				<b>\$5,750</b>		<b>\$5,750</b>
520980 VV	Maint, Electronics	Control Panel PM/Repairs	50		50	
		Electrical Distribution PM/Repairs	100		100	
		HVAC Equipment PM/Repairs	100		100	
		Instrumentation PM/Repairs	100		100	
		LAN PM/Repairs	0		0	
		Lighting Equipment PM/Repairs	50		50	
		Motor PM/Repairs	100		100	
		SCADA System PM/Repairs	0		0	
		Telecommunications PM/Repairs	0		0	
				<b>\$500</b>		<b>\$500</b>
521201 VV	Electricity			<b>\$13,000</b>		<b>\$13,000</b>
521203 VV	Water			<b>\$2,000</b>		<b>\$2,000</b>
				<b>\$0</b>		<b>\$0</b>
				<b>\$21,950</b>		<b>\$22,450</b>
		<b>Total 270-3</b>		<b>\$21,950</b>		<b>\$22,450</b>

Capital

**GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN**

REVENUE in Thousands \$	Footnotes	CY(2021)	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)	
		Estimated	Planning	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	3273	2100				2300	4800	5000		30000	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		81	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
Demand Response Program	2	26	26	27	27																			
Leachate Revenue	3	160	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	
Fats Oil & Grease (FOG) / Industrial Waste Tipping Fees	4	125	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
Cell Tower Revenue	5	60	64	67	71	76	80	85	90	96	101	107	114	121	128	136	144	152	162	171	182	192	204	
Operating Surplus Transfers	6	364	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		48	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
Misc. Revenue		25	1	1	1	1	1	1	1	1	1	1	10	10	10	10	10	10	10	10	10	10	11	
Capital Fund Contribution - Glen Ellyn		1665	1687	1688	1705	1722	1739	1757	1774	1792	1810	1828	1846	1865	1883	1902	1921	1940	1960	1979	1999	2019	2039	
Capital Fund Contribution - Lombard		2012	2027	2063	2084	2105	2126	2147	2169	2190	2212	2234	2257	2302	2325	2348	2372	2395	2419	2444	2468	2493		
Total Capital Fund Contribution	7	3677	3714	3751	3789	3827	3865	3904	3943	3982	4022	4062	4103	4144	4185	4227	4269	4312	4355	4399	4443	4487	4532	
<b>TOTAL REVENUE</b>		7885	6247	4189	4230	4246	6588	9132	9376	4421	34466	4513	4494	4542	4590	4640	4690	4742	4794	4847	4901	4957	5014	
<b>EXPENSES in Thousands \$</b>		<b>CY(2021)</b>	<b>CY(2022)</b>	<b>CY(2023)</b>	<b>CY(2024)</b>	<b>CY(2025)</b>	<b>CY(2026)</b>	<b>CY(2027)</b>	<b>CY(2028)</b>	<b>CY(2029)</b>	<b>CY(2030)</b>	<b>CY(2031)</b>	<b>CY(2032)</b>	<b>CY(2033)</b>	<b>CY(2034)</b>	<b>CY(2035)</b>	<b>CY(2036)</b>	<b>CY(2037)</b>	<b>CY(2038)</b>	<b>CY(2039)</b>	<b>CY(2040)</b>	<b>CY(2041)</b>	<b>CY(2041)</b>	
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	637	319			293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293
Final Clarifier Project Debt Payment (P&I)																								
Biosolids Project Debt Payment (P&I)	9		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
Primary Clarifier Project Debt Payment (P&I)				134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Chem P Debt Payment (P&I)																								
CSO Plant Rehab Debt Payment (P&I)																								
Biological Nutrient Removal Debt Payment (P&I)																								
FIP Debt Payment Actual (P&I)	10	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995
<b>Debt Service Payment Subtotal</b>		<b>1632</b>	<b>1752</b>	<b>1886</b>	<b>1886</b>	<b>1568</b>	<b>1249</b>	<b>1396</b>	<b>1689</b>	<b>1994</b>	<b>1994</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>2914</b>	<b>2914</b>
<b>Debt Service Subtotal</b>		<b>1632</b>	<b>1752</b>	<b>1886</b>	<b>1886</b>	<b>1568</b>	<b>1249</b>	<b>1396</b>	<b>1689</b>	<b>1994</b>	<b>1994</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>3909</b>	<b>2914</b>	<b>2914</b>	
<b>Capital Improvements</b>																								
Property Acquisition - DCFPD NRI Easement Purchase		0	550	0																				
<b>Capital Improvement Projects</b>																								
Vehicle and Equipment Replacement	11	16	165	210	315	137	141	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
Small Capital Projects	12	198	578	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Infrastructure Improvements	13	46	111	100	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	68	209	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	48	635	550	550	200	550	550	550	550	200	550	550	550	550	200	550	550	550	550	200	550	550	550
Atmospheric Vaporizer Lease	16	20	20	25	25	25	25	25	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
MCC Replacements	17	0	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	216	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Unox Deck Replacements*	19	0	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	280	289	260	260	260																		
Facility Improvements Project																								
Engineering		38																						
Construction		1188																						
Electric Service Distribution System Rehabilitation Project	21																							
Engineering		60	5																					
Construction		4652	110																					
RAS Pump Station Rehabilitation*		180	0																					
Biosolids Dewatering Improvement Project																								
Engineering		104	0																					
Construction		2085	0																					
Primary Grit Odor Control Capital Improvement (Phase 1)	22																							
Engineering		0	68																					
Construction		0	383																					
Primary Grit Odor Control Capital Improvement (Phase 2)	23																							
Gravity Sludge Thickener Rehabilitation*	24		560																					
Primary Clarifier Improvements Project	25																							
Engineering		0	267																					
Construction		0	1,840																					
Electronic O&M Manuals				380																				
Bemis Road, Administrative Parking Lot Improvements, and Plant Resurfacing				800																				
Facility Plan					200					200					200						200			
RAS Mag Meter Replacement*					60																			
Collection System Televising						350					350		</											

Budget CY2022  
 Glenbard Treatment Facility  
 Fund 40 Capital Plan  
 Capital Improvements Detail

	Estimated CY2021	Budgeting CY2022
PROCEEDS FROM BORROWING	3,273,484	2,100,000
INVESTMENT INCOME	20,000	20,000
CONNECTION FEES - GLEN ELLYN	25,000	25,000
CONNECTION FEES - LOMBARD	80,878	25,000
ENERNOC DEMAND RESPONSE PROGRAM	26,000	26,000
LEACHATE REVENUE	160,000	117,000
FATS OIL & GREASE (FOG) / INDUSTRIAL WASTE TIPPING FEES	125,000	75,000
CELL TOWER REVENUE	60,000	63,600
OPERATING SURPLUS TRANSFERS	363,678	50,000
PRETREATMENT FINES	0	0
RENEWABLE ENERGY CREDITS	48,000	30,000
MISCELLANEOUS REVENUE	25,000	1,000
EQUIPMENT REPLACEMENT FUND		
	GLEN ELLYN - 45.42%	1,664,970
	LOMBARD - 54.59%	2,012,490
<b>REVENUES TOTAL:</b>	<b>7,884,500</b>	<b>6,246,835</b>
<b>PRINCIPAL &amp; INTEREST:</b>		
IEPA FIP PRINCIPAL	702,042	702,042
IEPA FIP INTEREST	292,688	292,688
IEPA DIGESTER PRINCIPAL	573,180	587,599
IEPA DIGESTER INTEREST	63,821	49,402
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>	<b>1,631,731</b>	<b>1,631,731</b>
<b>CAPITAL IMPROVEMENTS</b>		
PROPERTY ACQUISITION		
	SPENT/ESTIMATED TO SPEND	0
		550,000
<b>CAPITAL IMPROVEMENT PROJECTS</b>		
VEHICLE AND EQUIPMENT REPLACEMENT	15,767	165,000
SMALL CAPITAL PROJECTS	198,203	578,000
INFRASTRUCTURE UPGRADES	45,600	110,500
ROOF REPLACEMENTS	68,000	209,000
PLANT EQUIPMENT REHABILITATION	48,266	635,000
CRYO MAINTENANCE/ATMOSPHERIC VAPORIZER PURCHASE OR LEASE	20,000	20,000
MCC REPLACEMENTS	0	140,000
PLC REPLACEMENTS	216,360	40,000
UNOX DECK REPLACEMENTS	0	100,000
DUPAGE RIVER SALT CREEK WORKGROUP ASSESSMENT	280,474	288,888
FIP CONSTRUCTION	1,188,484	0
FIP ENGINEERING	38,156	0
PRIMARY GRIT CONTROL ODOR CAPITAL IMPROVEMENT (PHASE 1) ENGINEERING	0	67,500
PRIMARY GRIT CONTROL ODOR CAPITAL IMPROVEMENT (PHASE 1) CONSTRUCTION	0	382,500
PRIMARY GRIT CONTROL ODOR CAPITAL IMPROVEMENT (PHASE 2)	0	0
GRAVITY SLUDGE THICKENER REHABILITATION*	0	560,000
PRIMARY CLARIFIER REHABILITATION ENGINEERING	0	267,000
PRIMARY CLARIFIER REHABILITATION CONSTRUCTION	0	1,840,000
RAS PUMP STATION REHABILITATION	180,000	0
BIOSOLIDS DEWATERING EQUIPMENT REPLACEMENT ENGINEERING	104,000	0
BIOSOLIDS DEWATERING EQUIPMENT REPLACEMENT CONSTRUCTION	2,085,000	0
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT CON. ENG	60,000	5,000
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT	4,651,679	110,000
<b>CAPITAL IMPROVEMENTS TOTALS:</b>	<b>9,199,988</b>	<b>5,518,388</b>
<b>PRINCIPAL &amp; INTEREST / CAPITAL IMPROVEMENTS TOTALS</b>	<b>10,831,720</b>	<b>7,700,119</b>



**Glenbard Wastewater Authority  
CY2022 Small Capital Improvement  
40 580120**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>CY21 Estimated</b>	<b>CY22 Budgeting</b>
	Miscellaneous Office Furniture Upgrades	2,000	2,000	2,000
	Property Demolition	0	0	60,000
	Health & Wellness- Exercise Equipment Upgrades	1,000	1,000	1,000
	Software Upgrades (OS & Application)	5,000	5,000	6,000
	Workstation Replacements SCADA & LAN	2,000	2,000	2,000
	CRAS/Electronics Building Rooftop A/C Replacement	10,000	8,250	0
	Generator Battery Replacement	0	0	10,000
	UPS Battery Replacement	0	0	10,000
	CNC Machine	0	0	20,000
	Metal Cutting Bandsaw	0	0	15,000
	Final RAS Header Repair	10,000	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
	Screw Pump - Lower Bearing Replacement	10,000	0	10,000
	Property Boundary Landscape Clearing/Improvements	0	0	8,000
	Rehabilitate/Replace Instrument Air Compressor	0	0	60,000
	Acquired Property Fence Line	0	0	53,000
	UVT Study	20,000	5,000	15,000
	Fire Alarm System Upgrade	0	0	235,000
	Admin HVAC Humidity Fix	0	0	20,000
	Miscellaneous Laboratory Equipment	6,000	0	6,000
	<b>Grand Total</b>	<b>\$111,000</b>	<b>\$198,203</b>	<b>\$578,000</b>

**Glenbard Wastewater Authority  
CY2022 Infrastructure Improvement  
40 580140**

<b>Designation</b>	<b>Recommendations</b>	<b>CY21 Budgeted</b>	<b>CY21 Estimated</b>	<b>CY22 Budgeting</b>
	Campus Surveillance System Design	5,000	0	20,000
	Remote Sites Cellular Radio Replacement	0	0	40,500
	Cisco 2911 Integrated Services Router Replacement	0	0	5,000
	Distribution System PM/Testing Development	0	0	15,000
	Routine Interior Painting (see schedule)	0	0	20,000
	Hydraulic Modeling Study	43,600	43,600	0
	Roof Replacement Consulting	2,000	2,000	10,000
	<b>Grand Total</b>	<b>\$50,600</b>	<b>\$45,600</b>	<b>\$110,500</b>

**Glenbard Wastewater Authority  
CY2022 Plant Equipment Rehabilitation  
40 580150**

Designation	Recommendations	CY21 Budgeted	CY21 Estimated	CY22 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.)	10,000	0	350,000
	Collection System Rehabilitaiton Engineering	0	0	55,000
	Digester Condensate Drain Replacement	0	0	15,000
	Digester Mixing Pump Rebuild	0	0	15,000
	Primary Check Valve Replacement	0	0	10,000
	Siloxane and Hydrogen Sulfide Media Replacement	50,000	23,266	100,000
	Grit Chamber Rehabilitation - Steel, Redwood, Chain & Sprockets	5,000	5,000	5,000
	Concrete Lining System	0	0	10,000
	Annual Lift Station Rehabilitation Funding	10,000	0	50,000
<b>Grand Total</b>		<b>\$100,000</b>	<b>\$48,266</b>	<b>\$635,000</b>

**Glenbard Wastewater Authority Roof Replacement Schedule  
CY 2022 -- Roof Replacement Cost Based on \$32.902272/ 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 2022

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

**Glenbard Wastewater Authority Painting Schedule CY 2022 --  
Painting Cost Based on \$1/ sq. ft.**

price increase year over year  
CURRENT Budget Year

1.02  
2022

Building Code	Building Description	Most Recent Paint Year	Known Issues	Est Square Footage	Scheduled Paint Year	Paint Job Estimation
A	Bar Screen	Unknown		6,400		\$ 0
J	Pump & Metering	Unknown		1,224		\$ 0
N	Warehouse	Unknown		2,490		\$ 0
CSO-C	Tin Shed	Unknown		1,024		\$ 0
B	Raw Pump	Unknown		22,000	2022	\$ 22,889
U	Digesters	Unknown		5,500		\$ 0
S	Maint. Shop	Unknown		6,460		\$ 0
Q	Cryo	Unknown		2,400		\$ 0
D	Pri. Diversion	Unknown		207		\$ 0
F	Unox	Unknown		608		\$ 0
H	Screw	Unknown		1,020		\$ 0
P	Truck Bay (Lower Roof)	Unknown		323		\$ 0
P	FOG Tank (Lower Roof)	Unknown		722		\$ 0
R	Admin	Unknown		6,996		\$ 0
C	Grit	Unknown		1,227		\$ 0
V	CoGen	Unknown		2,552		\$ 0
CSO-A	A Raw Pump (South Building)	Unknown		3,025		\$ 0
CSO-B	B Grit (North Building)	Unknown		1,600		\$ 0
Y	CHP	Unknown		3,948		\$ 0
LS-St. Ch	St. Charles Rd LS	Unknown		896		\$ 0
LS-VV	Valley View LS	Unknown		2,500		\$ 0
T	CRAS / Electronics	Unknown		2,915		\$ 0
P	Press (Upper Roof)	Unknown		2,750		\$ 0
O	UV	Unknown		4,250		\$ 0
Z	SRI	Unknown		1,000		\$ 0
L	Filter	Unknown		12,912		\$ 0
E	Scum	Unknown		1,050		\$ 0
G	ATAD	Unknown		540		\$ 0

Annual Total		
Year	Replacement Cost	TOTAL BUDGET
2020	\$ -	\$ -
2021	\$ -	\$ -
2022	\$ 22,889	\$ 23,000
2023	\$ -	\$ -
2024	\$ -	\$ -
2025	\$ -	\$ -
2026	\$ -	\$ -
2027	\$ -	\$ -
2028	\$ -	\$ -
2029	\$ -	\$ -
2030	\$ -	\$ -
2031	\$ -	\$ -
2032	\$ -	\$ -
2033	\$ -	\$ -
2034	\$ -	\$ -
2035	\$ -	\$ -
2036	\$ -	\$ -
2037	\$ -	\$ -
2038	\$ -	\$ -
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2041	\$ -	\$ -
2042	\$ -	\$ -
2043	\$ -	\$ -
2044	\$ -	\$ -
2045	\$ -	\$ -
2046	\$ -	\$ -
2047	\$ -	\$ -
2048	\$ -	\$ -
2049	\$ -	\$ -
2050	\$ -	\$ -
2051	\$ -	\$ -
2052	\$ -	\$ -
2053	\$ -	\$ -
2054	\$ -	\$ -
2055	\$ -	\$ -
2056	\$ -	\$ -

Unit No.	Purchase Year	Unit Description	Scheduled Replacement	Purchased Price	Anticipated Sale Income	Appreciated Planned Year Purchase Cost*	Total Replacement Cost	Year	Annual Vehicle Budget
643	2012	F250 Pick Up w/plow (Fuel Truck)	2022	\$ 29,799	\$ -	\$ 36,325	\$ 36,325	HOLD	\$ 294,000
	2022	Trailer	2022	\$ 15,000		\$ 15,000	\$ 15,000		
	2022	Mini Excavator	2022	\$ 113,534		\$ 113,534	\$ 113,534		
644	2012	Crane Truck	2023	\$ 122,375	\$ -	\$ 152,158	\$ 152,158	2020	\$ -
642	2010	Dodge Grand Caravan	2023	\$ 19,916	\$ -	\$ 25,763	\$ 25,763	2021	\$ -
637	2009	Bobcat Skidsteer	2023	\$ 24,018	\$ -	\$ 31,691	\$ 31,691	2022	\$ 165,000
TBN	2017	Polaris Gem eM1400 (Dump Bed Cart)	2024	\$ 14,532	\$ -	\$ 16,693	\$ 16,693	2023	\$ 210,000
TBN	2017	Polaris Gem eM1400 (Cart)	2024	\$ 14,831	\$ -	\$ 17,036	\$ 17,036	2024	\$ 315,000
648	2015	Explorer (Director's Vehicle - 7 year cycle)	2024	\$ 27,659	\$ -	\$ 33,055	\$ 33,055	2025	\$ 137,000
611	2004	Volvo Semi-Tractor	2024	\$ 76,425	\$ -	\$ 113,564	\$ 113,564	2026	\$ 141,000
646	2014	F350 Maintenance Truck	2024	\$ 62,816	\$ -	\$ 76,572	\$ 76,572	2027	\$ 53,000
647	2014	F450 Dump Truck with Plow	2024	\$ 47,052	\$ -	\$ 57,356	\$ 57,356	2028	\$ -
625	2016	Vac-Tron Vacuum Trailer with Jetter	2025	\$ 77,497	\$ -	\$ 92,616	\$ 92,616	2029	\$ -
649	2015	F350 with Utilimaster Body (Electric)	2025	\$ 35,875	\$ -	\$ 43,731	\$ 43,731	2030	\$ -
605	2016	C-Max Hybrid (Pretreatment)	2026	\$ 24,294	\$ -	\$ 29,614	\$ 29,614	2031	\$ -
630	2006	Tandem Dump Trailer	2026	\$ 37,181	\$ -	\$ 55,249	\$ 55,249	2032	\$ 183,000
633	2006	Godwin 8" Trailer Mounted Pump	2026	\$ 37,181	\$ -	\$ 55,249	\$ 55,249	2033	\$ -
627	2020	Ford Utilimaster Low Cube (Electrical - orig. 2017)	2027	\$ 46,000	\$ -	\$ 52,840	\$ 52,840	2034	\$ -
610	2002	John Deere Wheel Loader	2032	\$ 86,500	\$ -	\$ 156,683	\$ 156,683	2035	\$ 62,000
600	2017	Bobcat 250 EFI (Mounted on Crane Truck)	2032	\$ 4,570	\$ -	\$ 6,151	\$ 6,151	2036	\$ -
606	2017	Millermatic 350P w/Gun Push-Pull XR-A Aluma-Pro	2032	\$ 5,699	\$ -	\$ 7,670	\$ 7,670	2037	\$ -
620	2017	Miller TIG/Stick Dynasty 350	2032	\$ 8,946	\$ -	\$ 12,040	\$ 12,040	2038	\$ -
627	2020	Ford F-350 XL 4x2 Chassis Cab w/enclosed utility body (Electrical)	2035	\$ 45,468	\$ -	\$ 61,194	\$ 61,194	2039	\$ -
612	2021	Daewoo Fork Lift	2041	\$ 32,646	\$ -	\$ 48,510	\$ 48,510	2040	\$ -
628	1985	Bridgeport Vertical Milling Machine	HOLD	\$ 3,750	\$ -	\$ 8,280	\$ 8,280	2041	\$ 49,000
623	1993	MEC Scissor Lift	HOLD	\$ 3,950	\$ -	\$ 7,444	\$ 7,444	2042	\$ -
617	1997	Pace Trailer (Confined Space)	HOLD	\$ 29,687	\$ -	\$ 51,686	\$ 51,686	2043	\$ -
616	2001	Ingersol-Rand Trailer Air Compressor	HOLD	\$ 15,000	\$ -	\$ 24,127	\$ 24,127	2044	\$ -
618	2003	Miller Trailblazer Welding Machine (Crane Truck)	HOLD	\$ 6,823	\$ -	\$ 10,548	\$ 10,548	2045	\$ -
632	2006	Doosan/Daewoo Fork Lift	HOLD	\$ 27,200	\$ -	\$ 39,625	\$ 39,625	2046	\$ -
635	2007	Salt Dog Salt Spreader	HOLD	\$ 3,456	\$ -	\$ 4,936	\$ 4,936	2047	\$ -
638	2009	Bobcat Skid Steer Backhoe Attachment	HOLD	\$ 6,683	\$ -	\$ 9,174	\$ 9,174	2048	\$ -
641	2009	Bobcat Skid Steer Sweeper Attachment	HOLD	\$ 2,403	\$ -	\$ 3,299	\$ 3,299	2049	\$ -
629	2013	Knuth Metal Cutting Lathe	HOLD	\$ 10,595	\$ -	\$ 13,437	\$ 13,437	2050	\$ -
619	2017	Miller Spectrum Plasma Cutting Machine	HOLD	\$ 1,725	\$ -	\$ 2,021	\$ 2,021	2051	\$ -
645	2012	Transfer Flow Fuel Tanks (Unleaded/Diesel on 643)	HOLD	\$ 2,443	\$ -	\$ 3,160	\$ 3,160	2052	\$ -
620*	1993	Miller - Shopmaster 300 Welding Generator (TIG)	HOLD	\$ 2,300	\$ -	\$ 4,334	\$ 4,334	2053	\$ -
606*		New MIG Welder	HOLD		\$ -	\$ -	\$ -	2054	\$ -
634*	2008	Bobcat Utility Cart	HOLD	\$ 18,079	\$ -	\$ 25,315	\$ 25,315	2055	\$ -
640*	2009	Bobcat Utility Cart	HOLD	\$ 15,924	\$ -	\$ 21,860	\$ 21,860	2056	\$ -
615	2001	Mersino 4" Trailer Mounted Pump	HOLD	\$ 32,730	\$ -	\$ 52,644	\$ 52,644	2057	\$ -
621	2003	Alladin Hot Water Pressure Washer	HOLD	\$ 7,359	\$ -	\$ 11,377	\$ 11,377	2058	\$ -

# Appendix

CY2022

GLENBARD WASTEWATER AUTHORITY EQUIPMENT REPLACEMENT FUND

FUND 40		Actual CY20 Bdgt	Approved CY21 Bdgt	Estimated CY21 Bdgt	Budgeting CY22 Bdgt
5966	<b>Equipment Replacement Flow Split - Total = Half of the Whole</b>	<b>1,820,525</b>	<b>1,838,730</b>	<b>1,838,730</b>	<b>1,857,118</b>
	* Glen Ellyn Flow Split - 40.83%	746,597	745,605	745,605	758,261
	* Lombard Flow Split - 59.17%	1,073,928	1,093,125	1,093,125	1,098,856
	<b>Equipment Replacement Split in Equity - Total = Half of the Whole</b>	<b>1,820,525</b>	<b>1,838,730</b>	<b>1,838,730</b>	<b>1,857,118</b>
	Glen Ellyn Flow Split - 50%	910,263	919,365	919,365	928,559
	Lombard Flow Split - 50%	910,263	919,365	919,365	928,559
	<b>Total</b>	<b>3,641,050</b>	<b>3,677,461</b>	<b>3,677,461</b>	<b>3,714,235</b>

				Total Contributions	Percentage by Contribution
<b>Total Glen Ellyn Equipment Replacement Fund Contribution:</b>		<b>1,656,860</b>	<b>1,664,970</b>	<b>1,664,970</b>	<b>45.42%</b>
<b>Total Lombard Equipment Replacement Fund Contribution:</b>		<b>1,984,190</b>	<b>2,012,490</b>	<b>2,012,490</b>	<b>54.59%</b>

\* Indicates Current 5 Year Avg. Flow Split for CY2022



**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%		Fund 27 NRI 2.1%		Total Budgeted Contribution	IFT Transfers to Fund 28	NRI Flowsplits	Fund 27 SRI 1.3% Glen Elynn	IFT Transfers to Fund 28	Actual Contributions	Total to Fund 28	Fund 28 % Increase	Total Glen Elynn	Total Lombard	Accumulated Funding
	Glen Elynn	Lombard				Glen Elynn	Lombard	Glen Elynn	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		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		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		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		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		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		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		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		10,465.00	9,800.00	771,362.00	804,100.00	5%	294,314.00	477,048.00	7,018,717.00
<b>TOTALS</b>	\$ 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 Elynn	Actual Contributions	Percentage Increase	Total Glen Elynn	Total Lombard	Accumulated Funding
	Glen Elynn	Lombard			Glen Elynn	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	34.10/65.90	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
<b>TOTALS</b>	\$ 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	Division 41	Fund 42	Fund 43	Fund 44	Fund 45	Fund 46	Fund 47	Actual Contributions	Percentage Increase	Total Glen Elynn	Total Lombard	Accumulated Funding
	Glenbard Plant 66.7%	Stormwater Plant 12%	NRI 6.9%	SRI 3.1%	St. Charles Rd L.S 6.7%	Valley View L.S 2%	SRI L.S 2%	Sunnyside L.S .5%					
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
<b>TOTALS</b>	\$ 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 Elynn Split 50/50	Lombard Split 50/50	1/2 Half of Actual	Glen Elynn Split By Flow	Lombard Split By Flow	% Flow Split By Partner	1/2 Half of Actual	Actual Contributions	Percentage Increase	Total Glen Elynn	Total Lombard	Accumulated Funding
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)	937,844.36	937,844.36	1,875,688.73	750,275.49	1,125,413.24	40/60	1,875,688.73	3,751,377.46	1.0%	\$ 1,688,119.86	\$ 2,063,257.60	\$ 71,166,862.06
CY(2024)	947,222.81	947,222.81	1,894,445.62	757,778.25	1,136,667.37	40/60	1,894,445.62	3,788,891.23	1.0%	\$ 1,705,001.05	\$ 2,083,890.18	\$ 74,955,753.29
CY(2025)	956,695.04	956,695.04	1,913,390.07	765,356.03	1,148,034.04	40/60	1,913,390.07	3,826,780.14	1.0%	\$ 1,722,051.06	\$ 2,104,729.08	\$ 78,782,533.43
CY(2026)	966,261.99	966,261.99	1,932,523.97	773,009.59</								

CY(2036)	1,067,354.37	1,067,354.37	2,134,708.74	853,883.50	1,280,825.24	40/60	2,134,708.74	4,269,417.48	1.0%	\$ 1,921,237.86	\$ 2,348,179.61	\$ 123,488,903.99
CY(2037)	1,078,027.91	1,078,027.91	2,156,055.82	862,422.33	1,293,633.49	40/60	2,156,055.82	4,312,111.65	1.0%	\$ 1,940,450.24	\$ 2,371,661.41	\$ 127,801,015.63
CY(2038)	1,088,808.19	1,088,808.19	2,177,616.38	871,046.55	1,306,569.83	40/60	2,177,616.38	4,355,232.77	1.0%	\$ 1,959,854.74	\$ 2,395,378.02	\$ 132,156,248.40
CY(2039)	1,099,696.27	1,099,696.27	2,199,392.55	879,757.02	1,319,635.53	40/60	2,199,392.55	4,398,785.09	1.0%	\$ 1,979,453.29	\$ 2,419,331.80	\$ 136,555,033.50
CY(2040)	1,110,693.24	1,110,693.24	2,221,386.47	888,554.59	1,332,831.88	40/60	2,221,386.47	4,442,772.94	1.0%	\$ 1,999,247.83	\$ 2,443,525.12	\$ 140,997,806.44
CY(2041)	1,121,800.17	1,121,800.17	2,243,600.34	897,440.13	1,346,160.20	40/60	2,243,600.34	4,487,200.67	1.0%	\$ 2,019,240.30	\$ 2,467,960.37	\$ 145,485,007.11
CY(2042)	1,133,018.17	1,133,018.17	2,266,036.34	906,414.54	1,359,621.80	40/60	2,266,036.34	4,532,072.68	1.0%	\$ 2,039,432.71	\$ 2,492,639.97	\$ 150,017,079.80
<b>TOTALS</b>	<b>\$ 11,022,998.61</b>	<b>\$ 11,022,998.61</b>		<b>\$ 10,233,198.27</b>	<b>\$ 13,745,322.92</b>			<b>\$ 63,807,623.36</b>		<b>\$ 64,662,710.47</b>	<b>\$ 79,100,144.27</b>	

\* 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 Maintenance 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 Transfers (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 continues 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**

	<b>Digester Project</b>	<b>Facility Improvements Project</b>	<b>Biosolids Dewatering Improvements</b>	<b>Total Debt Service</b>
CY22*	637,001	995,684	120,000	1,752,685
CY23	637,001	995,684	120,000	1,752,685
CY24	637,001	995,684	120,000	1,752,685
CY25	318,501	995,684	120,000	1,434,185
CY26		995,684	120,000	1,115,684
CY27		995,684	120,000	1,115,684
CY28		995,684	120,000	1,115,684
CY29		995,684	120,000	1,115,684
CY30		995,684	120,000	1,115,684
CY31		995,684	120,000	1,115,684
CY32		995,684	120,000	1,115,684
CY33		995,684	120,000	1,115,684
CY34		995,684	120,000	1,115,684
CY35		995,684	120,000	1,115,684
CY36		995,684	120,000	1,115,684
CY37		995,684	120,000	1,115,684
CY38		995,684	120,000	1,115,684
CY39		995,684	120,000	1,115,684
CY40			120,000	120,000
CY41			120,000	120,000
CY42			120,000	120,000
CY43				0
CY44				0
CY45				0
CY46				0
CY47				0
CY48				0
CY49				0
CY50				0
CY51				0
CY52				0
CY53				0
CY54				0
CY55				0
	<b>4,140,507</b>	<b>18,917,996</b>		<b>24,102,819</b>

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

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

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

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

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

**Calendar Year 2022  
Position Classification**

<b>ADMINISTRATION</b>	<b>Salary Range</b>	<b>CY 18</b>	<b>CY 19</b>	<b>CY 20</b>	<b>CY 21</b>	<b>CY 22</b>
Executive Director	<b>S</b>	1	1	1	1	1
Engineering, Assistant Executive Director	<b>Q</b>	1	1	1	1	1
Enviromental Resources Coordinator	<b>I</b>	1	1	1	1	1
Seasonal Admin Secretary - FTE = .25		1	1	1	1	1
Administrative Secretary	<b>F</b>	1	1	1	1	1
<b>FT Employee Totals</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>PT Employee Totals</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>FTE Totals</b>		<b>4.25</b>	<b>4.25</b>	<b>4.25</b>	<b>4.25</b>	<b>4.25</b>
<b>Operations</b>						
Operations Superintendent	<b>N</b>	1	1	1	1	1
Plant Operator I	<b>I</b>	2	2	3	3	3
Plant Operator II	<b>H</b>	0	0	0	0	0
Plant Operator III	<b>G</b>	0	0	0	0	0
Plant Operator IV	<b>F</b>	2	2	1	1	1
Operator-in-Training	<b>E</b>	0	0	0	0	0
Operator PT - FTE = 1.0	<b>E</b>	5	5	5	5	5
Laboratory Services Coordinator	<b>K</b>	N/A	1	1	1	1
Wastewater Laboratory Technician	<b>I</b>	1	0	0	0	0
PT Laborer - FTE = .50	<b>D</b>	1	1	1	1	1
<b>FT Employee Totals</b>		<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
<b>PT Employee Totals</b>		<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
<b>FTE Totals</b>		<b>7.5</b>	<b>7.5</b>	<b>7.5</b>	<b>7.5</b>	<b>7.5</b>
<b>MECHANICAL MAINTENANCE</b>						
Mechanical Maintenance Superintendent	<b>N</b>	1	1	1	1	1
Maintenance Mechanic I	<b>I</b>	1	1	1	1	1
Maintenance Mechanic II	<b>G</b>	2	1	1	1	2
Maintenance Mechanic III	<b>F</b>	0	1	1	1	0
<b>FT Employee Totals</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>PT Employee Totals</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FTE Totals</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>ELECTRICAL MAINTENANCE</b>						
Electrical Superintendent	<b>N</b>	1	1	1	1	1
Electronic Technician	<b>J</b>	1	1	1	1	1
Plant Electrician	<b>J</b>	1	1	1	1	1
<b>FT Employee Totals</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>PT Employee Totals</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FTE Totals</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>TOTAL OF ALL CATEGORIES</b>						
Total Full Time Employees		17	17	17	17	17
Total PT/Seasonal Employees		7	7	7	7	7
Total Full Time Equivalent (FTE)		18.75	18.75	18.75	18.75	18.75

Glenbard Wastewater Authority  
Salary Schedule - January 1, 2022 through December 31, 2022

Range	Annualized			Hourly		
	Min	Mid	Max	Min	Mid	Max
CY22 Salary Schedule Adjustment = 1.4% Increase to Salary Ranges from CY21						
A	38,408	48,377	58,323	18.47	23.26	28.04
B	40,284	50,773	61,240	19.37	24.41	29.44
C	42,318	53,350	64,382	20.35	25.65	30.95
D	44,421	55,972	67,524	21.36	26.91	32.46
E	46,659	58,821	70,983	22.43	28.28	34.13
F	49,010	61,782	74,554	23.56	29.70	35.84
G	51,496	64,879	78,262	24.76	31.19	37.63
H	54,073	68,134	82,173	26.00	32.76	39.51
I	56,764	71,548	86,310	27.29	34.40	41.49
J	59,567	75,074	90,582	28.64	36.09	43.55
K	62,573	78,872	95,171	30.08	37.92	45.76
L	65,738	82,806	99,873	31.60	39.81	48.02
M	68,971	86,897	104,801	33.16	41.78	50.39
N	72,430	91,238	110,046	34.82	43.86	52.91
O	76,137	95,962	115,788	36.60	46.14	55.67
P	79,935	100,710	121,484	38.43	48.42	58.41
Q	83,846	105,638	127,430	40.31	50.79	61.26
R	88,118	111,041	133,940	42.36	53.38	64.39
S	92,504	116,579	140,632	44.47	56.05	67.61

**TABLE 1. TOTAL WASTEWATER FLOWS AND PERCENTAGES FOR CY2022 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-16	448.026	198.793	44.37%	249.233	55.63%
	Feb-16	353.109	159.869	45.27%	193.240	54.73%
	Mar-16	463.285	192.650	41.58%	270.635	58.42%
	Apr-16	404.293	180.648	44.68%	223.645	55.32%
	May-16	606.741	253.696	41.81%	353.045	58.19%
	Jun-16	359.676	154.490	42.95%	205.186	57.05%
	Jul-16	328.681	138.818	42.23%	189.863	57.77%
	Aug-16	330.953	139.356	42.11%	191.597	57.89%
	Sep-16	252.565	109.721	43.44%	142.844	56.56%
	Oct-16	323.385	136.770	42.29%	186.615	57.71%
	Nov-16	280.226	124.145	44.30%	156.081	55.70%
	Dec-16	333.522	150.090	45.00%	183.432	55.00%
Y e a r  T w o	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 h r e e	Jan-18	381.492	122.602	32.14%	258.890	67.86%
	Feb-18	502.867	175.046	34.81%	327.821	65.19%
	Mar-18	373.514	138.570	37.10%	234.944	62.90%
	Apr-18	372.669	141.336	37.93%	231.333	62.07%
	May-18	481.336	186.327	38.71%	295.009	61.29%
	Jun-18	477.075	186.258	39.04%	290.817	60.96%
	Jul-18	251.469	106.069	42.18%	145.400	57.82%
	Aug-18	280.070	103.967	37.12%	176.103	62.88%
	Sep-18	290.026	110.434	38.08%	179.592	61.92%
	Oct-18	459.853	124.849	27.15%	335.004	72.85%
	Nov-18	295.224	123.642	41.88%	171.582	58.12%
	Dec-18	382.605	161.226	42.14%	221.379	57.86%
Y e a r  F o u r	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 i v e	Jan-20	424.596	168.315	39.64%	256.281	60.36%
	Feb-20	319.328	140.284	43.93%	179.044	56.07%
	Mar-20	403.218	170.790	42.36%	232.428	57.64%
	Apr-20	379.428	179.917	47.42%	199.511	52.58%
	May-20	564.516	269.806	47.79%	294.710	52.21%
	Jun-20	304.067	129.924	42.73%	174.143	57.27%
	Jul-20	251.938	116.077	46.07%	135.861	53.93%
	Aug-20	180.173	87.324	48.47%	92.849	51.53%
	Sep-20	218.823	95.204	43.51%	123.619	56.49%
	Oct-20	238.231	103.307	43.36%	134.924	56.64%
	Nov-20	232.185	104.535	45.02%	127.650	54.98%
	Dec-20	288.187	128.939	44.74%	159.248	55.26%
<b>AVERAGE</b>		<b>364.511</b>	<b>147.569</b>	<b>40.83%</b>	<b>216.942</b>	<b>59.17%</b>

# AVERAGED WASTEWATER FLOWS UTILIZED FOR BUDGET

