



GLENBARD WASTEWATER AUTHORITY

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April 17, 2014

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

Subject: May 1, 2014 - December 31, 2014 Glenbard Wastewater Authority Budget (SY2014)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) SY2014 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 SY2014 partner allocation shows an overall decrease of \$1,821,650 or -27% compared to the approved FY2014 budget. The budget reflects a substantial capital improvement plan with the construction of the Valley View Lift Station, the Facility Improvement Plan which includes Raw Pumping, Sand Filters and Ultraviolet Light. There is a couple of moderate size projects listed within the Infrastructure Improvement portion of the budget as well. 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. The Glenbard FPA contains a current population equivalent (P.E.) of 103,802 which is an increase of 124 (P.E.) over last year. 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.

<u>FACILITIES</u> -- 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 a State of the Art Facility designed to provide Wastewater Treatment to an average flow of 16.02 MGD of domestic wastewater utilizing activated sludge with 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 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.

<u>REGULATION</u> -- 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

<u>AUTHORITY BOARD</u> - 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 1977 Intergovernmental Agreement, approve all borrowing, 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 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 contracts and expenditures, recommend FPA amendments, review the audit, and recommend an annual budget.

<u>OPERATING "LEAD" AGENCY</u> - 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.

<u>PERSONNEL</u> – 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 17.8 highly qualified individuals who are employed with the Authority. Sixteen (16) 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 seven (7) of those ten (10) employees hold Class I certificates, the highest certification possible within the State of Illinois.

BUDGET ORGANIZATION

The Authority is adopting a calendar year budget to coincide with a January 1st to December 31st budget year to be consistent with the lead agency, the Village of Glen Ellyn. This budget year is considered to be a Stub Year (SY) budget utilized to transition from a fiscal year budget to a calendar year budget. The SY2014 budget is only 8 months in duration or 66% of a standard year budget. 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 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)

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:

	Actual FY2013	Estimated FY2014	Proposed SY2014
Div 270 - Glenbard Plant 270-1 - Stormwater Plant 270-2 - N. Reg. Int. 270-3 - S. Reg. Int.	\$3,196,478 184.134 49,087	\$3,759,700 104,500 18,750	\$2,844,450 81,225 24,300
Div 274 – St. Charles L.S Div 275 – Valley View L.S	34,284 67,662 19,567	15,500	9,700
Div 276 – SRI L.S Div 277 – Sunnyside L.S	4,050 958		
	\$3,556,220	\$3,898,450	\$2,959,675

Cash Reserves / Working Cash

FY2013/14

Cook Dogoway at Augil 20, 2012	1 = 21 = 12
Cash Reserves at April 30, 2013	1,764,542
FY2013 Surplus Distribution	(376,649)
FY2014 Projected Surplus/(Deficit)	4,450
Projected Cash Reserves at April 30, 2014	_1,392,343
Less: Estimated Encumbrances at April 30, 2014	
Projected Working Cash at April 30, 2014	1,392,343
Less: FY2014 Required Minimum Working Cash	(1,009,756) *
Projected Working Cash Surplus at April 30, 2014	382,587
<u>SY14</u>	
Projected Cash Reserves at April 30, 2014	1,392,343
SY2014 Projected Surplus/(Deficit)	_
Projected Cash Reserves at December 31, 2014	1,392,343
Less: Estimated Encumbrances at December 31, 2014	
Projected Working Cash at December 31, 2014	1,392,343
Less: SY2014 Required Minimum Working Cash	(739,919) **
Projected Working Cash Surplus at December 31, 2014	652,424

^{25%} of FY2014 Operating Expenses of \$4,039,025 25% of SY2014 Operating Expenses of \$2,959,675 **

The six most significant cost centers in the proposed SY2014 O&M budget are as follows:

1. <u>Personnel:</u> The SY2014 proposed GWA team level is at 17.8 full time equivalents (FTE). Personnel costs for the past eighteen years of full time equivalent staff are shown below. 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>
FY97	\$1,587,600	\$1,493,096	31.5
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	\$1,433,600	15.8 (Estimated)
SY14	\$1,066,800		17.8 (Budgeted)

2. <u>Utilities</u>: Electric power, natural gas, water, and telecommunications comprise Utilities, the second 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 oxygen generation, pumping systems, mixing and various in-plant processes.

FY03	\$582,232
FY04	\$617,574
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 \$730,393 (Estimated) SY14 \$537,000 (Budgeted)

- 3. <u>Support Services:</u> Separated and budgeted as Operations, Maintenance, Maintenance Building and Grounds, and Electrical. The FY2014 support budgets are an estimated cumulative amount of \$296,000 and the SY2014 budget is proposed at a cumulative amount of \$278,050. 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 \$300 per year for elevator inspections to \$74,000 per year for flow metering, data analysis, and meter maintenance fees.
- 4. <u>Maintenance:</u> Expenses are budgeted in the amount of \$112,300. This includes both electrical and mechanical 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 maintained appropriately. These funds, coupled with those in Fund 40 allocated to Plant Equipment Rehabilitation, provide an excellent plan to maintain the Glenbard Plant process equipment. Maintenance funds cover both routine and non-routine repairs.
- 5. <u>Sludge (Biosolids) Disposal-Land Applied:</u> Expenses are budgeted in the amount of \$125,000. There are two products that are created during treatment through a wastewater facility. The first of the products is the clean water discharged to the river. The processes utilized to degrade the organic compounds in the wastewater generate sludge that is further treated then land applied as a beneficial re-use. The industry term "Biosolids" was coined for the product. GWA's biosolids are applied to the farm fields at an agronomic rate acting as a fertilizer that is used to improve the growth of feed corn and other crops. The GWA sludge is particularly amenable to farm field application because the metal content of the sludge is extremely low. This is primarily due too the plant only having one significant industrial discharger.
- 6. <u>Chemical Costs:</u> Expenses are budgeted in the amount of \$63,550 for both the Glenbard Plant and the Glenbard Stormwater Plant. Different types of chemicals are used for sludge dewatering, odor control, Cryo water treatment, dechlorination, pH adjustment and other needs.

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, and borrowing.

The Capital Equipment Replacement Fund has proposed projects, and three (3) have historical value.

	Actual	Estimated	Proposed
	FY2013	FY2014	SY2014
Fund 40 – Equip. Replacement Debt Payment Project Expenses Total	\$ 967,000	\$1,050,000	\$ 714,000
	\$1,304,694	\$2,016,000	\$3,937,000
	\$2,271,694	\$3,066,000	\$4,651,000
Fund 41 - Stormwater Plant Debt Payment Project Expenses Total	\$ 74,000	\$ 0	\$ 0
	\$ 4,000	\$ 0	\$ 0
	\$ 78,000	\$ 0	\$ 0
Fund 42 - NRI Project Expenses Total	\$ <u>0</u>	\$ <u>0</u>	\$ <u>0</u>
	\$ 0	\$ 0	\$ 0
Fund 44 – St. Charles Lift Station Project Expenses Total	\$ 28,000 \$ 28,000	\$ <u>0</u> \$ 0	\$ <u>0</u> \$ 0
Fund 45 – Valley View Lift Station Project Expenses Total	\$ 125,000 \$ 125,000	\$ <u>0</u> \$ 0	\$ <u>0</u> \$ 0
Fund 46 – SRI Lift Station	\$ 3,000	\$ <u>0</u>	\$ <u>0</u>
	\$ 3,000	\$ 0	\$ 0

Proposed SY2014 capital expenses of \$4,651,000 are 34% or \$1,585,000 higher than the FY2014 estimated capital expenses. The increase reflects the construction of the Valley View Lift Station as well as design engineering for the Facility Improvements Plan per the Equipment Replacement Plan presented to you within the Capital Equipment Replacement Fund 40 Footnotes.

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 16 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 SY2014 a five-year average flow split of 46.90% (Glen Ellyn) and 53.10% (Lombard) is being utilized to estimate the expense allocations for the Wastewater Treatment Facilities.

The SY2014 budget is inclusive of O&M Division 270 with expense allocation tracking for all facilities. Glen Ellyn recuperates some of the operating costs for the St. Charles Road Lift Station through billing to DuPage County and recuperates the some of the operating costs for the Valley View Lift Station, and the SRI Interceptor through billing to Illinois-American Water Company. The *Total Budget Allocation* estimates are as follows:

	Approved	Estimated	Proposed
	FY2014	FY2014	SY2014
Village of Lombard	\$3,498,849	\$3,425,188	\$2,580,743
Village of Glen Ellyn	\$3,240,176	\$3,173,262	\$2,336,632
Total	\$6,739,025	\$6,598,450	\$4,917,375

The overall contribution by the two Villages has decreased by \$1,821,650 or 27.1% less than the FY2014 budget. The reduction in the O&M and Capital contributions is due to the 8 month stub year budget being utilized as a transition year into the 12 month calendar year budget. The allocation to the Villages that support the O&M portion of the budget is \$2,957,175. The allocation to the Villages for support of the proposed Capital Fund is \$1,960,200.

CONCLUSION

The total proposed SY2014 budget and comparisons are as follows:

	Actual FY2013	Approved FY2014	Estimated FY2014	Proposed SY2014
O&M Capital	\$3,556,220 \$2,271,694	\$4,039,025 \$4,471,000	\$3,898,450 \$3,066,000	\$2,959,675 \$4,651,000
Total	\$5,827,914	\$8,510,025	\$6,964,450	\$7,610,675

Respectfully Submitted,

Erik Lanphier Executive Director

Glenbard Wastewater Authority

Glenbard Wastewater Authority Budget SY2014 All Funds Expense Allocation to Partners

APPROVED FY2014 EXPENSES ALLOCATED TO PARTNERS		and decide the second second		
		LOMBADD	OLEN ELLYS	TOTAL
Div. 270 Glenbard Plant / SRI L.S. / Sunnyside L.S.		LOMBARD 2,035,255	GLEN ELLYN 1,848,820	TOTAL
270-1 Sternwater Plant / Hill Ave L.S.		60.260	54,740	3,884,075 115,000
270-2 North Reg. Int. / St. Charles Rd. L.S.		15,275	13,875	29,150
270-3 South Reg. Int. / Valley View L.S.		5,659	5,141	
TOTAL O&M BUDGET	_	2,116,449	1,922,576	
CAPITAL EQUIPMENT REPLACEMENT FUND		1,382,400	1,317,600	2,700,000
TOTAL O&M AND CAPITAL BUDGETS		3,498,849	3,240,176	6,739,025
ESTIMATED ACTUAL FY2014 EXPENSES ALLOCATED TO PARTNERS				
		LOMBARD	GLEN ELLYN	TOTAL
Div. 270 Glenbard Plant / SRI L.S. / Sunnyside L.S.		1,970,083	1,789,617	3,759,700
270-1 Stormwater Plant / Hill Ave L.S.		54,758	49,742	104,500
270-2 North Reg. Int. / St. Charles Rd. L.S.		9,825	8,925	18,750
270-3 South Reg. Int. / Valley View L.S.		8,122	7,378	15,500
TOTAL O&M BUDGET		2,042,788	1,855,662	3,898,450
CAPITAL EQUIPMENT REPLACEMENT FUND		1,382,400	1,317,600	2,700,000
TOTAL O&M AND CAPITAL BUDGETS		3,425,188	3,173,262	6,598,450
FY 2014 BUDGET OVER (UNDER)		(73,661)	(66,914)	(140,575)
PROPOSED SY2014 PARTNERS ALLOCATION				
		LOMBARD	GLEN ELLYN	TOTAL
Div. 270 Glenbard Plant / SRI L.S. / Sunnyside L.S.		1,570,260	1,386,915	2,957,175
270-1 Stormwater Plant / Hill Ave L.S.		1,070,200	1,000,010	2,007,170
270-2 North Reg. Int. / St. Charles Rd. L.S.				
270-3 South Reg. Int. / Valley View L.S.				
TOTAL O&M BUDGET		1,570,260	1,386,915	2,957,175
CAPITAL EQUIPMENT REPLACEMENT FUND		1,010,483	949,717	1,960,200
TOTAL O&M AND CAPITAL BUDGETS		2,580,743	2,336,632	4,917,375
Proposed SY2014 Partners Allocation Compared				
to Approved Expenses Allocated to Partners FY2014:				
Operation & Maintenance	\$	-\$546,189	-\$535,661	-\$1,081,850
•	%	-25.8%	-27.9%	-26.8%
Capital Improvements	\$	-\$371,917	-\$367,883	-\$739,800
	%	-26.9%	-27.9%	-27.4%
Total O&M and Capital Budgets	\$	(\$918,106)	(\$903,544)	(\$1,821,650)
	%	-26.2%	-27.9%	-27.0%

Glenbard Wastewater Authority			·		and the later and the second and the
Budget SY2014	s	UMMARY BY DIV	/ISION		
Operations & Maintenance					
Expense Allocation to Partners	Actual	Actual	Approved	Estimated	Budgeting
REVENUES	FY2012	FY2013	FY2014	FY2014	SY2014
Div. 270 Glenbard Wastewater Authority	3,696,400	3,544,100	4,036,525	4,036,525	2,957,175
Interest O&M Fund	2,350	3,705	2,500	3,600	2,500
Com-Ed CLR Rebate	58,625	0	0	0	0
Miscellaneous Revenue	910	4,909	0	0	0
Div. 271 Stormwater Plant	251,751	217,100	0	0	0
Div. 272 North Reg. Int.	16,453	53,450	0	0	0
Div. 273 South Reg. Int.	18,419	58,650	0	0	0
Div. 274 St.Charles L. S.	65,731	81,160	0	0	0
Div. 275 Valley View L.S.	23,948	23,900	0	0	0
Div. 276 SRI L.S.	4,658	4,700	0	0	0
Div. 277 Sunnyside L.S.	965	3,350	0	0	0
Total Revenues	4,140,210	3,995,024	4,039,025	4,040,125	2,959,675

EXPENSES	Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
Div. 270 Glenbard Plant / SRI L.S. / Sunnyside L.S.	3,379,172	3,196,478	3,884,075	3,759,700	2,844,450
270-1 Stormwater Plant / Hill Ave L.S.	243,047	184,134	115,000	104,500	81,225
270-2 North Reg. Int. / St. Charles Rd. L.S.	16,452	49,087	29,150	18,750	24,300
270-3 South Reg. Int. / Valley View L.S.	19,968	34,284	10,800	15,500	9,700
Div. 274 St. Charles Rd. L.S.	65,731	67,662	0	. 0	0
Div. 275 Valley View L.S.	23,948	19,567	0	0	0
Div. 276 SRI L.S	6,481	4,050	0	0	0
Div. 277 Sunnyside L.S.	965	958	0	0	0
Total O&M Expenses:	3,755,764	3,556,220	4,039,025	3,898,450	2,959,675
Village of Glen Ellyn O&M Expenditures	1,787,744	1,685,648	1,922,576	1,855,662	1,388,088
Village of Lombard O&M Expenditures	1,968,020	1,870,572	2,116,449	2,042,788	1,571,587
INCOME GAIN (LOSS)	384,446	438,804	0	141,675	0
Use of Available Cash					

Glenbard Wastewater Authority SY2014 Total Budget					
	FY2012 Actual	FY2013 Actual	FY2014 Approved	FY2014 Estimated	SY2014 Budgeting
Operations & Maintenance	\$3,755,764	\$3,556,220	\$4,039,025	\$3,898,450	\$2,959,675
Capital Costs (Expenses & Debt Repayment)	\$1,707,414	\$2,271,694	\$4,471,000	\$3,066,000	\$4,651,000
TOTAL	\$5,463,178	\$5,827,914	\$8,510,025	\$6,964,450	\$7,610,675

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
- ~The South Regional Interceptor

These interceptors end at a junction chamber that is located on the eastern property line. Once they have reached the junction chamber, one line conveys the flow under the East Branch of the DuPage River and into the GWA Treatment Facility. The 22nd 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, a private utility company regulated by the Illinois Commerce Commission. Glenbard provides wastewater treatment for Illinois-American, 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 SY2014

Operations & Maintenance

Division 270

Expense Allocation to Partners

REVENUE

		Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
Operation	/Maintenance					
450010	Glen Ellyn Share - 46.90%	1,763,493	1,658,205	1,921,386	1,921,386	1,386,915
450015	Lombard Share - 53.10%	1,932,907	1,885,895	2,115,139	2,115,139	1,570,260
	Partners Allocation	3,696,400	3,544,100	4,036,525	4,036,525	2,957,175
	Interst Income - O&M Fund	2,350	3,705	2,500	3,600	2,500
	Com-Ed CLR Rebate	58,625	0	0	0	0
	Misc. Revenue	910	4,909	0	0	0
DIVISION :	270	3,698,750	3,547,805	4,039,025	4,040,125	2,959,675

NOTE: The flow splits used to calculate partner payments for SY2014 are as follows:

Flow Split for Glen Ellyn:

46.90%

Flow Split for Lombard

53.10%

(for 5 yrs. Average ending 12/31/13)

The flow splits used to calculate partner payments for FY2014 were as follows:

Flow Split for Glen Ellyn:

47.60%

Flow Split for Lombard

52.40%

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

The flow splits used to calculate partner payments for FY2013 were as follows:

Flow Split for Glen Ellyn:

47.36%

Flow Split for Lombard

52.64%

(for 2 yrs. Average ending 12/31/11)

The flow splits used to calculate partner payments for FY2012 were as follows:

Flow Split for Glen Ellyn:

47.59%

Flow Split for Lombard

52.41%

(for 2 yrs. Average ending 12/31/10)

Budget SY2014		S		EXPENSES			
Operations and	Maintenance	Footnotes					
Division 270	_	ot.	Actual	Actual	Approved	Estimated	Budgeting
Expense Allocat	The state of the s	L L	FY2012	FY2013	FY2014	FY2014	SY2014
Personnel Servi	····						
510100 Salari	es - Regular	1	950,057	998,715	1,067,000	1,083,000	820,00
510110 Salari	es - Part-Time Ops.	2	54,146			54,000	35,00
510200 Salari		3	32,065		54,000	54,000	36,80
	es - Temporary/Seasonal		12,428		20,000	15,000	16,00
510400 FICA			76,531			88,000	61,00
510500 IMRF		4	121,640	124,214	131,000	139,600	98,00
	Jnemployment Tax		0	0	0	0	
Total			1,246,867	1,306,959	1,410,000	1,433,600	1,066,80
Contractual Com	<u> </u>						
	ices and Commodities						
	yee Recognition		700	1,000	1,000	1,000	1,000
520600 Dues/S			12,973	10,652	14,500	14,000	15,000
520615 Recrui			10	0	0	0	1,000
	yee Education *	5	5,785	8,735	26,000	12,000	30,500
520625 Travel			0	0	500	200	250
520700 Pro. Se		6	1,021	1,288	15,000	10,000	6,500
520750 Legal I			257	263	1,000	500	500
520775 Regula			52,500	52,500	52,500	53,000	55,000
	e River Salt Creek Work Group *	7	20,619	21,238	119,300	22,500	23,000
520806 Pro. Se			18,547	24,025	24,500	24,500	16,400
520816 Design		8	21,524	3,875	10,000	10,000	20,000
	ees / Pro. Serv Acct.	9	12,700	12,900	15,000	13,200	15,000
520835 Bank C			150	150	0	0	C
520885 Insurar	nce - Liability *	10	170,098	151,963	215,000	214,000	226,000
520895 Insurar		11	207,200	191,678	247,000	209,000	135,000
520970 Maint			6,923	15,074	16,100	16,000	11,900
	Grounds - Support		53,186	41,851	54,000	61,000	42,300
520975 Maint	- Equipment		37,810	49,840	50,000	55,000	39,700
520976 Maint	Support	12	60,621	70,056	86,500	59,000	69,800
520980 Maint	Electronics		57,937	91,539	90,000	90,000	60,700
520981 Elect	Support	13	49,220	38,665	184,775	146,000	144,500
520990 Operati	ons - Supplies	1 1	8,117	7,268	10,000	5,000	5,900
520991 Operati	ons - Support		26,638	31,637	42,500	30,000	21,450
521130 Overhe	ad Fees	14	117,200	117,200	125,200	125,200	84,000
521150 Sludge	Disposal - Land Applied	15	171,949	111,371	170,000	230,000	125,000
521195 Telecor		1	35,384	46,136	45,000	65,000	51,500
521201 Electric	Power	16	837,832	588,983	600,000	640,000	423,000
521202 Natural	Gas	17	27,889	50,863	60,000	50,000	34,000
521203 Water		1	35,421	39,855	55,000	38,000	
521204 Self-Ge	n Gas	+	4,919	4,556	7,000	5,000	25,000
530100 Office E		+	15,393	19,839	16,300		3,500
	ng Supplies - Lab	1	7,890	9,838	15,000	22,000 15,000	13,000
	trative Purchases	+	7,000	9,838	4,000	4,000	11,000
530225 Safety		 -	14,054	18,240	18,400		2,400
530440 Chemica	als	18	33,773	51,875	76,000	18,000	13,300
530445 Uniform		10	6,065	4,566		62,000	43,550
		+	0,000	4,000	7,000	6,000	7,000
Total			2,132,305	1,889,519	2,474,075	2,326,100	1,777,650
							· · · · · · · · · · · · · · · · · · ·
	TOTAL DIVISION 270	<u> </u>	3,379,172	3,196,478	3,884,075	3,759,700	2,844,450

^{*} The items tagged with an asterick if not having to be paid at 100% would equate to a \$246,840 reduction in the budget, and would reduce the percentage of reduction from FY2014 to 33.6% versus 27.5%. This would align with the 33% reduction due to the stub year budget of 8 months or 66% of a full years budget.

SY2014 DIVISION 270 O&M FOOTNOTES

(1) **SALARIES** (\$820,000):

The total salaries provide for a total of sixteen (16) full-time staff members to operate and maintain the regional system. The full-time equivalent for all staff is approximately 18 including part-time operators and seasonal staff, a figure that is now within the 16 to 18 range sought when reorganization began 15 years ago. This is an increase of 2.2 FTE from FY2014.

(2) SALARIES - PART-TIME OPERATORS (\$35,000):

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. For approximately fifteen (15) years we have 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. This item is based on the equivalent of a full time 40 hour per week employee or 2,080 hours per year.

(3) **SALARIES – OVERTIME (\$36,800)**:

This represents a significant decrease from FY2014 due to the stub year budget. GWA continues to trend overtime and manage this expense with best management practices in mind.

(4) <u>IMRF (\$98,000):</u>

This represents a significant reduction compared to the FY2014 budget number of \$131,000. The reduction is due to the stub year budget total estimated payroll being figured at 66% of a twelve (12) month budget.

(5) EMPLOYEE EDUCATION (\$30,500):

The employee education line item increased this year over the budgeted and estimated FY2014 budget number due to the following additions:

WEF Technical Conference	\$2,000
Cryo Training Reallocated from Ops Support	\$5,000
College Reimbursement	\$7,000
Hach Wimms Database Training	\$10,000

(6) PROFESSIONAL SERVICE LEGAL (\$6,500):

Legal services have been reduced due to the completion of the Anaerobic Digester Project in FY2014. The stub year has significantly contributed to the reduced budget.

(7) DUPAGE RIVER SALT CREEK WORK GROUP (\$23,000):

The work group dues are necessary to support the ongoing efforts of the workgroup from a watershed approach. The project initiatives that the East / West Branch DuPage River & Salt Creek watersheds are providing to the IEPA are imperative to the impacts of the nutrient standards relating to point source dischargers. The work group has been recognized by the IEPA as a leader in developing remediation to stream standards particularly relating to habitat improvements. The work group believes that stream remediation is the path to healthier streams and rivers versus the implementation of nutrient discharge limits for phosphorus and total nitrogen. Educating communities about chloride utilization, storm water best management practices, and the discontinued use of coal tar sealants have also been important functions provided by this group. We are currently in discussions to justify the stream remediation pending IEPA's willingness to provide us with at least two permit cycles (10) years without impending NPDES limits for phosphorus.

(8) DESIGN ENGINEERING (\$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. The current organization does not include personnel that can provide these specialized services. The line item increase is due to impending IEPA permitting review.

(9) <u>AUDIT FEES (\$15,000):</u>

For the Seventh (7th) consecutive year the audit will be \$5,000 higher than normal to accommodate for the single audit that is required for the IEPA Digester Project loan.

(10) **INSURANCE LIABILITY (\$226,000)**:

This item represents the annual premium cost of our 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 SY2014 and an excess liability policy. This Line item is a \$11,000 increase compared to the FY2014 budget number of \$215,000. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.

(11) **INSURANCE HEALTH (\$135,000)**:

Health care is provided through the Village of Glen Ellyn insurance plan. This line item is significantly decreased due to the impact of the stub year compared to the FY2014 estimated budget number of \$195,000.

(12) **MAINTENANCE SUPPORT (\$69,800)**:

This line item reflects work previously budgeted in the Maintenance-Contractual line item. A few of the most significant expenses included in this item in SY2014 are:

Digester Boiler Preventative Maintenance Costs	\$5,400
Cryo Annual Maintenance	\$27,000
Vehicle Maintenance (Provided by VGE) Costs	\$27,300

Every five (5) years an in-depth maintenance procedure is done on the cryogenic system and the costs expensed to the Capital budget. A five (5) year maintenance turnaround is scheduled in CY2016 and is reflected as a Capital Project as it entails actual rehabilitation work on the cold box. The annual maintenance is still accounted for in O&M as it pertains to only preventative or corrective maintenance.

(13) **ELECTRICAL SUPPORT (\$144,500)**

This line item has decreased in SY2014 due to the monthly service costs of the flow meters being reduced from twelve (12) months to eight (8) months due to the stub year.

(14) **OVERHEAD FEES (\$84,000)**:

Overhead fees have been reduced due to the stub year budget.

(15) **SLUDGE DISPOSAL FEES (125,000):**

Sludge disposal fees have been reduced due to the stub year budget

(16) **ELECTRIC POWER (\$423,000)**:

GWA entered into a three (3) year agreement in FY2013 with Direct Energy for Fixed Fee of \$.03999/KWH. Our power consumption is directly impacted by wet weather conditions impacting our facilities. The budgeted amount for SY2014 is reduced due to the stub year budget.

(17) NATURAL GAS (\$34,000):

We have entered into a three (3) year agreement in FY2013 with Integrys Energy for a Fixed Fee of \$.363/therm. Previously we were paying \$.478/therm which calculates into a 24% savings. Currently the February 2014 Natural Gas Index for anyone not locked in is \$.798/therm plus the supplier's adder. Anyone floating will be paying \$.81-\$.83/therm for their gas in February. The Authority will be negotiating another 3 year contract in the winter of 2014.

(18) **CHEMICALS** (\$43,550):

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. This cost is reduced due to the stub year budget.

Glenbard Wastewater Authority SY2014 Personnel Budget Division 270 -- 510100-510500

	Item	Recommendations	FY14 Approved		SY14 Budgeting	
510100	Salaries - Regular		1,067,000		920,000	
510110	Part - Time Operations	1.0 Full Time Equivalent	52,000		820,000	
510200	Laboratory Overtime	4	2,000		35,000	
510200	Ops. Reg. Overtime		3,000		1,300	
510200	High Flow Overtime		3,000		2,000	
510200	Ops. Call-In Overtime		14,000		2,000	
510200	Ops. SCADA Monitoring Overtime		20,000		10,000	
510200	Maint. Regular Overtime		4,000		13,500	
510200	Maint. Call-In Overtime		•		2,700	
510200	Elec. Reg. Overtime		2,000		1,300	
510200	Elec. Call-In Overtime		4,000		2,700	
510300	Part Time Labor	.50 Full Time Equivalent	2,000		1,300	
	24201	· -	20,000		16,000	
			egular, PT Ops & Seasonal	1,139,000		871,000
			vertime (3)	54,000		36,800
510400	F10.4	Salaries		1,193,000		907,800
510500	FICA			86,000		61,000
510600	IMRF (4)			131,000		98,000
310000	State Unemployment Tax	-		0		0
		Personnel Services		\$1,410,000		\$1,066,800

Glenbard Wastewater Authority SY2014 Recognition/Awards Budget 270 520305

Item	Recommendation		FY14 Approved	Total	SY14 Budgeting	Total
Recognition/Awards	Miscellaneous (Manager's Discretion)	_	1,000		1,000	
		Total		\$1,000		\$1,000

Glenbard Wastewater Authority SY2014 Dues/Fees/Subscriptions Budget 270 520600

item	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Dues/Fees/Subs.	Water Environment Federation - Memberships	900		1,100	
	WEF - Publications	300		400	
	NACWA	5,500		5,500	
	IAWA	6,800		7,000	
	NFPA Membership	150		150	
	Lab Meeting Registrations	100		100	
	American Public Works Associaton - Memberships	150		150	
	Fox Valley Operators Association	300		300	
	Miscellaneous (Managers Discretion)	300		300	
			\$14,50	0	\$15,000

Glenbard Wastewater Authority SY2014 Recruit/Test Budget 270 520615

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Recruiting/Testing	Chicago Tribune Daily Herald Coply Newspapers Liberty Publicatons (Glen Ellyn News) WEF OMNI - Employment Physicals	0		1,000	
			C)	\$1,000

Glenbard Wastewater Authority SY2014 Employee Training/Education Budget 270 520620

Administration	Employee Education Admit to the	FY14 Approved	SY14 Budgeting
Administration	Employee Education - Administration		
	WEFTEC	1,000	2,000
	CSWEA. IWEA, IAWA Conferences	2,000	2,000
	College Reimbursement	0	3,500
	Hach Wimms Database Training	0	10,000
	MPSI - Michigan Public Sector Institute Training (Gayle) completed	1,500	
Operations	Employee Education - Operations (5 Operators)		
	WEFTEC	1,000	0
	Misc Tech Seminars	1,000	
	College Reimbursement	5,000	
	Cryo System Training	10,000	-,
	Central States WEA, IAWA State Converences	400	
Maintenance	Employee Education - Maintenance		100
	WEFTEC	1,000	0
	Facilities Maintenance Show 3 Maint Mech (Chicago)	100	_
	Maintenance Based Courses/Seminars	500	
	Misc Tech Seminars	500	000
Electrical	Employee Education - Electrical		500
	WEFTEC	1,000	0
	ISPI - Illinois Public Sector Institute Training - Rick Year 2 of 3 year training program.	1,000	
	Facilities Maintenance, ISA Shows R. Freeman, P. Dziewior & J. Solita (Chicago)	500	1,500
Lab	Employee Education - Laboratory		500
	Misc Tech Seminars	500	500
		•	
		\$26,000	\$30,500

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 SY2014 Mileage Reimbursement Budget 270 520625

Item	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Travel	Travel for Seminars/Training Manufacturing Trade Shows				
	I-Pass	500		250	
			\$500		\$250

Glenbard Wastewater Authority SY2014 Pro. Svc. Legal Budget 270 520700

Item	Recommendation		FY14 Approved	Total	SY14 Budgeting	Total
Pro. Svc. Legal	Contracted Legal Assistance		15,000		6,500	
		Total		\$15,000		\$6,500

Glenbard Wastewater Authority SY2014 Legal Notices 270 520750

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Legal Notices	Chicago Tribune				
	Daily Herald	1,000		500	
			\$1,000)	\$500

Glenbard Wastewater Authority SY2014 Regulatory Fees 270 520775

Item	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Glenbard Plant	IEPA Regulatory Fees associated with the NPDES permit and sludge disposal permit as legislated by State.	52,500		55,000	
			\$52,500		\$55,000

Glenbard Wastewater Authority SY2014 DuPage River Salt Creek Workgroup Commitment 270 520776

Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
GWA Workgroup Membership Dues Project Assessment Fees are located in the GWA Capital Fund.	119,300		23,000	
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,				
		\$119,300		\$23,000

Glenbard Wastewater Authority SY2014 Prof. Svc. Lab. Budget 270 520806

Item	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total	
Cont. Testing	Suburban Laboratories (Process)	0		0		
	Suburban Laboratories (Metals)	15,000		10,000		
	Additional Monthly Metals Testing	5,000		3,400		
Additional Monthly Sludge Fecal Testing	Additional Monthly Sludge Fecal Testing	4,500		3,000		
			\$24,500		\$16,400	

Glenbard Wastewater Authority SY2014 Prof. Svc. Eng. Budget 270 520816

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Pro. Serv. Engr.	Engineering Fees - Contracted	10,000		20,000	
			\$10,000		\$20,000

Glenbard Wastewater Authority SY2014 Prof. Svc. Accnt. Budget 270 520825

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Pro. Svc. Acct. Co	ontracted Audit/Accnt. Fees	15,000		15,000	
			\$15,000		\$15,000

Glenbard Wastewater Authority SY2014 Ins-Liab Budget 270 520885

ltem	Recommendation
InsLiability	Fees for Workmans Comp Liability Coverage Fees for Property Portion Liability Coverage
	Total Liability Insurance Amount: \$226,000 is a 5% increase over FY2014.
	All Facilities included - Property Portion Equals 1/3 of Total Portion This is not prorated on 8 months. This is what we normally pay for 12 months worth of coverage.
	66% of the total cost would be \$149,000 if we were to prorate

FY14 Approved	Total	SY14 Budgeting	Total
144,000		151,000	
71,000		75,000	
	\$215,000)	\$226,000

Glenbard Wastewater Authority SY2014 Health Insurance Fees Budget 270 520895

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Ins Health	Fees for Employee Health Insurance Coverage	247,000		135,000	
			\$247,000		\$135,000

Total Health Insurance Amount: \$135,000 including all facilities

These funds are paid monthly and reflect the 8 month budget planned for SY2014

If SY2014 budget was 12 months the fees would be \$205,000. The CY2015 budget will

reflect the increases based off of \$205,000

The \$205,000 reflects a 5% increase over estimated not budgeted costs.

Glenbard Wastewater Authority SY2014 - Buildings and Grounds Budget Maintenance 270 520970

Description	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
GWA Building/Grounds	Janitorial Supplies for Custodians	2,500		1,700	
	Door/Lock/Misc Repairs	1,000		2,000	
	Bldg./Equipment. Painting Supplies (Non-Contract)	5,000		3,300	
	Misc. Repair Parts	500		700	
	*Window Repairs	3,000		0	
	Mulch	0		1,400	
	Planting Beds	1,100		800	
	Topsoil	3,000		2,000	
			\$16,100		\$11,900

^{*} To be removed and added as a small capital item. Windows do not get repaired they get replaced.

Glenbard Wastewater Authority SY2014 - Buildings and Grounds - Support Budget Maintenance 270 520971

DESIGNATION	RECOMMENDATIONS	FY14 Approved	Total	SY14 Budgeting	Total
Glenbard Plant	Roofing Systems Survey	4,500		4,500	10141
	Contractor Door/Lock Repairs	3,000		2,000	
	Spoil Removal	1,200		1,000	
	Shop Towel Service	1,450		1,100	
	Fire Extinguisher Service/Repairs	2,200		1,700	
	Elevator Services/Repairs	,		1,200	
	Elevator Press Tests			400	
	Elevator Inspections			300	
	Landscape Maintenance	14,000		11,000	
	Pest Control	750		500	
	Tru-Green Chemlawn - Turf/Shrub Disease Control	5,200		3,500	
	Contracted Window Repairs	2,200		1,500	
	Contracted Janitorial Service	16,200		11,000	
	Unanticipated Contracted Building/Grounds Repairs	2,400		1,600	
	Admin Window Cleaning Contract	900		1,000	
			\$54,000		\$42,300

Glenbard Wastewater Authority SY2014 Equipment Maintenance Budget 270 520975

Building	Designation	FY14 Approved	SY14 Budgeting
Α	Bar Screen	200	200
В	Raw Pump	1,100	900
С	Grit Removal	375	600
D	Primary Pump	1,075	800
Е	Primary Scum	4,250	3,600
F	Unox	4,450	3,400
Н	Screw Pump	1,350	1,000
I	Final Clarifiers	175	100
L	Sand Filter	675	500
N	Warehouse	1,250	1,300
Р	Press	7,450	6,600
Q	Cryo.	3,500	3,100
R	Administration	1,200	800
S	Maint. Garage	350	400
T	CRAS	600	500
U	Digester	1,050	900
V	Co-Gen	1,200	1,000
	Electrical Shop	50	100
	Miscellaneous	19,700	13,900
	TOTAL	\$50,000	\$39,700

Glenbard Wastewater Authority SY2014 Equipment Maintenance Budget 270 520975

Recommendations Bar Screen	FY14 Approved	Total	SY14 Budgeting	Total
Washer Solenoid Parts	200		200	
		\$200		\$200
Raw Pump				
Parco Oil	850	1	600	
Wetwell Lid Rings (Plant-Wide Usage)	250		300	
0.11		\$1,100		\$900
Grit Oil and Grease				
Blower Drive Belts	200		400	
Blower Drive Beits	175		200	
		\$375		\$600
Primary Pump				
Compresspr Filters	75		100	
Pump Parts	500		500	
Oil and Grease	500		200	
		\$1,075		\$800
Primary Scum				
Odor Control Parts	2,500		2,000	
Pump Parts	1,500		1,400	
Compressor Filters/Oil	250		200	
		\$4,250		\$3,600
Unox				
Unox Control System Parts/Misc. Parts	200		300	
Emergency Repair Parts	2,000		1,400	
Seal Antifreeze	250		300	
Mixer Oil	2,000		1,400	
_		\$4,450		\$3,400

Recommendations	FY14 Approved Total	SY14 Budgeting	Total
Screw Pump			
V-Belts	900	800	
Grease	950	600	
Drive Oil	400	400	
		51,350	\$1,000
Final Clarifiers	`	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ψ1,000
Grease	175	100	
		\$175	\$100
Sand Filter			,
Valve Repair	300	200	
Filter Sand Sieve Analysis	250	200	
Oil Sep. Cartridge for Air System	125	100	
		\$675	\$500
Warehouse			·
Shelving Rehab	1,250	1,300	
		61,250	\$1,300
CRASS			
Check Valve Pump Parts	500	400	
Filters	100	100	
		\$600	\$500
Press			
Press Belt Set (1)	7,000	6,000	
Press Seal	450	600	
		7,450	\$6,600

Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Cryo				
Oil and Filters	800		600	
Misc. Parts	500		500	
Replacement PRV's	1,200		900	
RHX Jamesburry/Valve Rehabs	500		700	
Emergency Repair/Parts	500		400	
		3,500		\$3,100
Admin				
Lavatory Repair Parts	450		300	
Washer/Dryer Parts	750		500	
	***	1,200		\$800
Maintenance Garage				
Torch Gas/Welding Supplies	350		400	
Electric Cham		350		\$400
Electric Shop				
Compressor Filters	50		100	
_		50		\$100
Digester Repairs				
Boiler Parts	550		400	
Gas Safety Equipment Repairs	500		500	
0. 0.		1050		\$900
Co-Gen				
V-Belts, Coolant	1,200		1,000	
		1200		\$1,000

Recommendations	FY14 Approved Total	SY14 Budgeting Total
Misc. Supplies		
Paints/Supplies	2,000	1,700
Replacement Tools	1,500	1,000
Oil Analysis	800	500
Radio Repair/Batteries	1,200	1,000
Hardware Bolts/Nuts/Drills/Taps	3,500	2,700
Parts Repair Shipping Costs (Freight)	1,200	800
Portable Pump Hose Replacements	1,000	800
Vacuum Hose Replacment	1,000	1,500
Hardware PVC Piping	800	400
Hardware Galvanized Piping	1,000	600
Misc. Valves/Repair Clamps	1,500	800
Manhole Repair Parts	1,200	700
Unanticipated Equipment Repair Parts	3,000	1,400
	\$19,	
TOTAL	\$50,	000 \$39,700

Glenbard Wastewater Authority SY2014 Equipment Maintenance - Support Budget 270-520976

Building	Designation	FY14 Approved	SY14 Budgeting
В	Raw Pump	0	0
D	Primary Pump	0	0
	Primary Scum	0	0
L	Sandfilters	0	0
Q	Cryo - Annual Maintenance	20,000	27,000
R	Administration	750	400
S	Maint. Garage	3,200	2,400
	Electric Shop	100	200
U	Digester	9,500	5,400
V	Co-Gen	0	100
	Intermediate Clarifiers	200	200
T	CRAS	500	500
	Vehicle Maintenance (Village)	38,500	27,300
	Miscellaneous =	13,750	6,300
	TOTAL	\$86,500	\$69,800

Glenbard Wastewater Authority SY2014 Maintenance - Support Budget 270 520976

	Recommendations	FY14 Approved T	otal	SY14 Budgeting	Γotal
	Bar Screen				
		0		0_	
	Raw Pumps		\$0		\$0
Corings/Parts		0		0	
	Grit		\$0		\$0
		0		0	
	Primary Pump		\$0		\$0
Corings/Parts		0		0	
comgon arts	Primary Scum		\$0		\$0
		0		0	
	Unox		\$0		\$0
		0		0	
	Screw Pump		\$0		\$0
				0	
	Finals		\$0		\$0
		0		0_	
			\$0		\$0

R€	ecommendations	FY14 Approved	Total	SY14 Budgeting	Total
	Pump/Meter				
	_		0	0	
	Thickener		\$0		\$0
	_		0	0	
HVAC Duct Repair	Sand Filter		\$0		\$0
	_		0	0	
	Warehouse		\$0		\$0
	_	(0	0	
	UV		\$0		\$0
	_	(0	0	
	Press		\$0		\$0
	_	(0	0	
	Cryo		\$0		\$0
Routine Annual Mair	ntenance Turnaround	20,000	0	27,000	
	Admit		\$20,000		\$27,000
Washer/Dryer Overh	Admin				
	iau: Mainteriarice -	750		400	
			\$750		\$400

Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Maintenance Garage				
Safety Klean Parts Service	2,500		1,700	1
Torch Gas Cylinder Lease	250		300	
Miscellaneous	450		400	
		\$3,200		\$2,400
Elec. Shop		•		42, 100
Boiler Repairs	100		200	ı
Boiler Certification Inspections	0		0	
		\$100		\$200
Digester				
Boiler Repairs	1,000		400	
Boiler Tuneup/Inspection/Cleaning/Repairs	8,500		4,500	
Boiler Certification Inspections	0		4 ,500	
		\$9,500		\$5,400
Co-Gen		40,000		Ψ3,-700
Patten - Engine Service	0		100	
		\$0		\$100
Intermediate Clarifiers				·
Repairs, Grease	200		200	
CRAS		\$200		\$200
Pump Repairs				
Tump Nepalls	500		500	
		\$500		\$500

Recommendations	FY14 Approved	Γotal	SY14 Budgeting	Total
General Maintenance				
Overhead Crane Inspection/Repairs	3,500		1,500	
State Boiler/Pressure Vessel Certifications	800		600	
Elevator Service	1,200		600	
Elevator Inspections - Lombard	400		300	
RPZ Cross Connection Inspections - Lombard	400		300	
RPZ Inspections	2,200		600	
4" & 8" Portable Pump Repairs	2,500		800	
Snowthrower Equipment Repairs	400		300	
Electric Powered Tool Repairs	600		500	
Unanticipated Contracted Equipment Repairs	1,750		800	
		0	44.00	6,300
Vehicle Maintenance Services (Provided by Village of Glen Ellyn)	38,500		27,300	
(\$52,250		\$27,300
Total		\$86,500		\$69,800

Glenbard Wastewater Authority SY2014 Maintenance Electronics Budget Details 270 520980

Buildir	ng Designation	FY14 Approved	SY14 Budgeting
Α	Bar Screen	3,900	2,900
В	Raw Pumps	14,900	10,200
С	Grit	3,050	2,300
D	Primary Clarifier	500	400
Ε	Primary Pump	2,750	1,800
F	Unox Deck	5,150	3,500
G	ATAD	800	700
Н	Screw Pump	2,250	1,500
1	Final Clarifier	1,700	1,300
J	Pump/Meter	3,100	2,300
K	Thickener	550	300
L	Sandfilter	3,550	2,600
N	Warehouse	1,300	900
0	UV	6,750	3,400
Р	Press	7,400	4,600
Q	Cryo	4,750	3,600
R	Administration	4,400	3,200
S	Maint. Garage	1,500	900
T	CRAS	2,400	1,700
U	Digester	5,500	4,100
V	Co-Gen	3,800	2,500
	Elec. Supplies	10,000	6,000
		\$90,000	\$60,700

Glenbard Wastewater Authority SY2014 Maintenance Electronics Budget Details 270 520980

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Bar Screen	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		100	
	HVAC Equipment PM/Repairs	500		400	
	Instrumentation PM Repairs	500		400	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	200		100	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	800		600	
	SCADA System PM/Repairs	800		600	
	Telecommunications PM/Repairs	500		400	
	Bar Screen Tota		\$3,900		\$2,900
Raw Pumps	Control Panel PM/Repairs	200		100	
	Electrical Distribution PM/Repairs	4,000		2,700	
	HVAC Equipment PM/Repairs	700		500	
	Instrumentation PM/Repairs	4,000		2,700	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	1,400		1,000	
	Motor PM/Repairs	2,000		1,400	
	Safety Equipment PM/Repairs	200		100	
	SCADA System PM/Repairs	2,000		1,400	
	Telecommunications PM/Repairs	300		200	
	Raw Pumps Total		\$14,900		\$10,200

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Grit	Control Panel PM/Repairs	200		100	
	Electrical Distribution PM/Repairs	400		300	
	HVAC Equipment PM/Repairs	300		200	
	Instrumentation PM/Repairs	500		400	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	400		300	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	500		400	
	SCADA System PM/Repairs	500		400	
	Telecommunications PM/Repairs	50		0	
	Grit	Total	\$3,050		\$2,300
Primary Clarifier	Control Panel PM/Repairs	0		0	
	Electrical Distribution PM/Repairs	300		200	
	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		_	
	Telecommunications PM/Repairs	0		0	
	Primary Clarifier		\$500		\$400

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Primary Pump	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	400		200	
	Instrumentation PM/Repairs	100		100	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	200		100	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	500		300	
	SCADA System PM/Repairs	1,000		700	
	Telecommunications PM/Repairs	50		0	
	Primary Pump Total		\$2,750		\$1,800
Unox Deck	Control Panel PM/Repairs	1,000		700	
	Electrical Distribution PM/Repairs	600		400	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	1,500		1,000	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	1,500		1,000	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	50		0	
	Unox Deck Total		\$5,150		\$3,500

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
ATAD	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	300		200	
	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	100		100	
	ATAD		\$800	100	* 700
	71.712	1 Otal	φουυ		\$700
Screw Pump	Control Panel PM/Repairs				
	Electrical Distribution PM/Repairs	1,000		700	
	HVAC Equipment PM/Repairs	300		200	
	Instrumentation PM/Repairs	200			
	LAN PM/Repairs	0		100	
	Lighting Equipment PM/Repairs	100		0	
	Motor PM/Repairs	500		100	
	Safety Equipment PM/Repairs	100		300	
	SCADA System PM/Repairs	0		100	
	Telecommunications PM/Repairs	_		0	
		50	40.0==	0	•
	Screw Pump	ı Otal	\$2,250		\$1,500

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Final Clarifer	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	500		400	
	HVAC Equipment PM/Repairs	0		0	
	Instrumentation PM/Repairs	500		400	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	200		100	
	Telecommunications PM/Repairs	100		100	
	Final Clarifier Total		\$1,700		\$1,300
Pump and Meter	Control Panel PM/Repairs	100		400	
•	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs			100	
	LAN PM/Repairs	1,000		700	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	300		200	
	•	200		100	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	1,000		700	
	Telecommunications PM/Repairs	100		100	
	Pump and Metering Total		\$3,100		\$2,300

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Thickener	Control Panel PM/Repairs	0		0	
	Electrical Distribution PM/Repairs	200		100	
	HVAC Equipment PM/Repairs	200		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	50		0	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	Thickener To	tal	\$550		\$300
Sandfilter	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	800		600	
	HVAC Equipment PM/Repairs	500		400	
	Instrumentation PM/Repairs	300		200	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	500		400	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	1,000		700	
	Telecommunications PM/Repairs	50		0	
	Sandfilter Tot		\$3,550		\$2,600

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Warehouse	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	500		300	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	200		100	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	100		100	
	Warehouse Total		\$1,300		\$900
UV	Control Panel PM/Repairs	4,000		1,400	
	Electrical Distribution PM/Repairs	500		400	
	HVAC Equipment PM/Repairs	300		200	
	Instrumentation PM/Repairs	400		300	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	400		300	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	700		500	
	Telecommunications PM/Repairs	50		0	
	UV Total		\$6,750		\$3,400

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Press	Control Panel PM/Repairs	200		100	
	Electrical Distribution PM/Repairs	900		600	
	HVAC Equipment PM/Repairs	2,000		1,200	
	Instrumentation PM/Repairs	1,000		700	
	LAN PM/Repairs	200		100	
	Lighting Equipment PM/Repairs	500		400	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	200		100	
	SCADA System PM/Repairs	2,000		1,200	
	Telecommunications PM/Repairs	200		100	
	Press		\$7,400		\$4,600
Cryo	Control Danel DM/Danasia				
Ciyo	Control Panel PM/Repairs	200		100	
	Electrical Distribution PM/Repairs	200		100	
	HVAC Equipment PM/Repairs	150		200	
	Instrumentation PM/Repairs	2,000		1,000	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	2,000		1,000	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		700	
	Telecommunications PM/Repairs	0		400	
			\$4,650		\$3,600

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Administration	Control Panel PM/Repairs	200		100	
	Electrical Distribution PM/Repairs	300		200	
	HVAC Equipment PM/Repairs	300		200	
	Instrumentation PM/Repairs	400		300	
	LAN PM/Repairs	500		400	
	Lighting Equipment PM/Repairs	300		200	
	Motor PM/Repairs	500		400	
	Safety Equipment PM/Repairs	400		300	
	SCADA System PM/Repairs	500		400	
	Telecommunications PM/Repairs	1,000		700	
	Administration Total		\$4,400		\$3,200
Maintenance Garage	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		100	
	HVAC Equipment PM/Repairs	200		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	200		100	
	Lighting Equipment PM/Repairs	300		200	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	200		100	
	Maintenance Garage Total		\$1,500		\$900

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
CRAS	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	1,000		700	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	200		100	
	Motor PM/Repairs	200		100	
	Safety Equipment PM/Repairs	200		100	
	SCADA System PM/Repairs	200		100	
	Telecommunications PM/Repairs	300		200	
	CRAS		\$2,500		\$1,700
Digester	Control Panel PM/Repairs	500		400	
_	Electrical Distribution PM/Repairs	500		400	
	HVAC Equipment PM/Repairs	800		400	
	Instrumentation PM/Repairs	700		600	
	LAN PM/Repairs	200		500	
	Lighting Equipment PM/Repairs			200	
	Motor PM/Repairs	500		400	
	Safety Equipment PM/Repairs	600		400	
	SCADA System PM/Repairs	500		400	
	•	1,000		700	
	Telecommunications PM/Repairs	200		100	
	Digester	Total	\$5,500		\$4,100

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Co-Gen	Control Panel PM/Repairs	300		200	
	Electrical Distribution PM/Repairs	300		200	
	HVAC Equipment PM/Repairs	500		300	
	Instrumentation PM/Repairs	1,000		700	
	LAN PM/Repairs	200		100	
	Lighting Equipment PM/Repairs	200		100	
	Motor PM/Repairs	500		400	
	Safety Equipment PM/Repairs	300		200	
	SCADA System PM/Repairs	300		200	
	Telecommunications PM/Repairs	200		100	
	Co-Gen Total		\$3,800		\$2,500
Electrical Supplies	Conduit, wire, enclosures, fittings, switches,				
• •	batteries, cleaning supplies, contact cleaners				
	electronic components, Pneumatic Tubing &				
	Fittings Thermal Overloads, fasteners, strut				
	wire, nuts, etc.	10,000		6 000	
	Electrical Total		\$10,000	6,000	\$6,000
	Grand Total		\$90,000	-	\$60,700

Glenbard Wastewater Authority SY2014 Electrical/Electronics - Support Budget 270 520981

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Administration	Network/Communications Consulting	10,000		10,000	
	Maximo CMMS Consulting	15,000		15,000	
	Intellution iFIX Global Support	10,000		12,000	
	Fire/Security Alarm Systems Monitoring	500		1,100	
	Software Support agreement Specter (Win-911)	0		1,300	
	Software Support Agreements Cisco (Firewarll)	800		1,000	
	Software Support Agreement IBM (Maximo)	5,000		5,650	
	Software Support Agreement Rockwell (PLC)	1,100		1,200	
	Software Support Agreement WIMS	2,600		2,800	
	Software Support Agreement TimeTrax (Time Clock)	200		250	
	Software Support Symantec (A/V)	750		1,800	
	Software Support Symantec Backup Exec	5,000		800	
	Telephone System Support Agreement Midco	0		2,200	
	Fire/Security Alarm Systems Support Agreement Siemens	0		6,500	
	Microsoft Server Select Agreement / Client Select Agreement	2,725		0	
Flow Metering	ADS Flow Meter Maintenance/Data Analysis	111,000		74,000	
UV	Effluent Ammonia Analyzer Service Contract	3,700		3,900	
Plant Wide	HVAC Refrigeration Repairs	6,500		5,000	
Co-Generation	Switchgear Bi-Annual PM	5,700		0	
	Protection Relay Bi-Annual Calibration	4,200		0	
			\$184,77	5	\$144,500

Glenbard Wastewater Authority SY2014 Operations - Supplies Budget 270 520990

Item	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Operating Supplies	Operational Supplies				
	Misc. Supplies	5,000		3,400	
	Home Depot	,		0,100	
	Blue Book				
	McMaster-Carr				
	McCann Equipment				
	Ace Hardware				
	Carbit Paint				
	Hose Replacements	5,000		2,500	
			\$10,000		\$5,900

Glenbard Wastewater Authority SY2014 Operations - Support Budget 270 520991

Designation	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
	Ford Hall Company - Clarifier Brush Service Contract	4,200		6,100	· otal
Grit	Solid Waste / Recycle Waste Disposal	22,000		5,400	
	Wetwell Cleaning	7,000		0, 100	
Admin	Recycle Disposal	800		550	
Cryo	Oxygen Purchase for Turnaround	4,000		6,000	
	Geen Cooling Water Conditioning Consultation	4,500		3,400	
UV	Recycle Fees	0		0	
			\$42,50	0	\$21,450

Glenbard Wastewater Authority SY2014 Service Charge Budget 270 521130

ltem	Recommendation	FY	14 Approved	Total	SY14 Budgeting	Total
Service Charge	Village of Glen Ellyn Overhead fees		125,200		84,000	
				\$125,200		\$84,000
	Overhead fee charged for FY13/14	\$	125,200			
	SY2014 Overhead fees at 0.5% CPI-U Chicago increase	\$	125,800			
	Monthly overhead fee 8 month overhead fee	\$ \$	10,483 84,000			

Glenbard Wastewater Authority SY2014 Sludge Disposal - Land App. Budget 270 521150

Item	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Sludge Disposal	Stewart Spreading Trucking fees for Sludge Removal	170,000		125,000	
	Total		\$170,000		\$125,000

Glenbard Wastewater Authority SY2014 Telecomm Budget 270 521195

Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
Call One - Admin - 790-1901 Main Phone Lines (1901, 1902, 1903, 1904) SCADA Dial-up Lines (0459, 0689, 2097) SCADA Pager/Redundant Pager (0958, 4487) SCADA Poling Network Office Private Lines (1960, 1974, 1975, 1995, 1996) ComEd Rider 27 Alarm (1486) Brokered Nat. Gas Meter Reader (0407) ADS Modem (1482)	35,000		41,200	
SCADA Poling Network AT&T - E-991-DID #'s				
	2,200		2,500	
AT&T DSL Ports/Primary ISP	1,100		1,100	
Comcast DSL / Secondary ISP	1,100		1,100	
Cellular Service (includes scada aircards)	5,000		5,000	
Comcast - Cable Service	600		600	
		\$45,000		\$51,500

In FY2014 there was an unanticipated 19% increase in fees charged by Call One. In SY2014 a 25% increase was budgeted based on the FY2014 estimate minus the 33% for the 8 month budget.

Glenbard Wastewater Authority SY2014 Electrical Power Budget 270 521201

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Electrical Power	Fees for Purchase of Electric Power & ComEd Delivery Services	600,000		423,000	
			\$600,000		\$423,000

Glenbard Wastewater Authority SY2014 Natural Gas - Brokered - Budget 270 521202

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Nat. Gas - Brokered	Fees for Direct and Brokered purchase of Natural Gas	60,000		34,000	
			\$60,00	0	\$34,000

Glenbard Wastewater Authority SY2014 Water Budget 270 521203

Item	Recommendation	FY14	Total	SY14 Budgeting	Total
Water	Fees for Purchase of Potable Water - Village of Glen Ellyn	55,000		25,000	
			\$55,000	<u></u>	\$25,000

Glenbard Wastewater Authority SY2014 Co-Gen Natural Gas Budget 270 521204

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Natural Gas	Fees for Purchase of Natural Gas (Co-Generation Unit)	7,000		3,500	
			\$7,000		\$3,500

SY2014 Based on estimated FY2014 expenses

Glenbard Wastewater Authority SY2014 Office Supplies Budget 270 530100

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Office Supplies	Supplies for Administrative Management functions (I.e. Office Supplies, Federal Express, UPS, printer/fax, copier supplies, printing)	10,000		7,000	
	Minolta Bus. Sys. Support (copy machine) Postage Meter Rental/Postage Coffee Machine Services/Supplies Tota	2,000 1,300 3,000		3,000 1,000 2,000	
			\$16,300		\$13,000

Glenbard Wastewater Authority SY2014 Laboratory Supplies Budget 270 530106

Item	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Laboratory Supplies	Laboratory Consumables and Glassware	15,000		11,000	
			\$15,000		\$11,000

Glenbard Wastewater Authority SY2014 Administrative Purchasing Budget 270 530200

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
		1,000		700	
Purchasing	Aerial Photography	1,500		700	
	Celebrating Success	1,000		700	
	Office Decorations	500		300	
		Total		_	
		-	\$4,000		\$2,400

Moved \$2,000 from Office Supplies to account for these items more specifically

Glenbard Wastewater Authority SY2014 Safety Budget 270 530225

Item	Recommendation	FY14 Approved	Total	SY14Budgeting	Total
Admin	Portable Gas Detection Meter Cal Gas	1,200		800	
	Portable Gas Detection Meter Repair/Replacement	5,000		3,400	
	Confined Space Equip. Repairs/Replacement	1,200		1,000	
	Safety shoes (\$200 max. allowance)	3,000		2,400	
	Cintas (First Aid Kit Supplies)	1,000		700	
	Safety Supplies	1,500		1,000	
	Safety Program Consultations & Training	3,000		2,000	
	Safety Suggestiong Awards (monthly gift cards + Safety sug)	2,000		1,700	
	Site Safety and Signage	500		300	
	Total		\$18,400		\$13,300

Glenbard Wastewater Authority SY2014 Chemical Supplies Budget 270 530440

ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Treatment Costs	Chemicals that are utilized through daily operation. Polymer, odor control, struvite control, acid wash, and odor control chemicals Odor Management Odor Chemicals High PSI - Sludgehammer - Press Bldg. Cleaning Polydyne - Polymer Schaners - Struvite Control	76,000		43,550	
	•		\$76,000		\$43,550

Glenbard Wastewater Authority SY2014 Uniforms Budget 270 530445

ltem	Recommendation		FY14 Approved	Total	SY14 Budgeting	Total
Uniforms	Uniform Replacements		7,000		7,000	
		Total		\$7,000		\$7,000

Glenbard Wastewater Authority FY2014 Budget - 270-1 - Stormwater Plant & Hill Avenue Lift Station- (Continued)

	ltem	Recommendations	FY14	Total	SY14 Budgeting	Total
520980	Elect. Maintenance	Control Panel PM/Repairs	200		150	
		Electrical Distribution PM/Repairs	2,000		1,300	
		HVAC Equipment PM/Repairs	300		175	
		Instrumentation PM/Repairs	800		600	
		LAN PM/Repair	0		0	
		Lighting Equipment PM/Repairs	400		250	
		Motor PM/Repairs	500		300	
		Safety Equipment PM/Repairs	0		0	
		SCADA System PM/Repairs	1,000		700	
		Telecommunications PM/Repairs	200	···	100	
				\$5,400		\$3,575
521201	Electricity			\$20,000		\$13,500
521202	Natural Gas	Building Heaters		\$3,000		\$2,000
521203	Water	Hosing, Lab, Chlor/DeChlor carrying water		\$6,000		\$4,000
530105	Operations	Replacement Tools and Hose	1,000		700	
	Operations - Support					
		Refuse Removal	700		400	
		_	1000	\$1,700		\$1,100
530440	Chemicals	Hypochlorite / Sodium Thiosulfate		\$40,000		\$20,000
				\$115,000		\$81,225
				•		

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 57 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 SY2014
Operations & Maintenance
Division 270-1
Stormwater Plant

REVENUE

oto,,,,,,,,,,,	Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
Operations/Maintenance	F 1 20 1 2	F12013	F12014	F12014	312014
450015 Lombard Share	251,751	217,100	0	0	0
DIVISION 270-1	251,751	217,100	0	0	0

All revenues are accounted for in Division 270 beginning FY2014

Budget S'	Y2014 ns & Maintenance	tes		EXPE	NSES		
Division 2		Footnotes	Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
		ΤĪΤ		1 12010	112014	1120.4	312014
Personne	I Services	\top					
510100	Salaries - Regular	11	36,612	17,397	0	0	
510200	Salaries - Overtime	1	3,223	468	0	0	
510400	FICA		2,880	1,302	0	0	
510500	IMRF		4,725	2,079	0	0	
	Total		47,440	21,246	0	0	
		++					
Operation	s & Maintenance						
520775	Regulatory Fees	2	20,000	20,000	23,000	20,000	23,000
520776	TMDL Commitment	11	3,027	3,118	0	0	(
520885	Insurance - Liability		11,044	9,881	0	0	
520895	Insurance - Health		5,100	5,118	0	0	
520970	Maint Bldgs. & Grnds.	TT	7,703	9,248	11,800	11,800	9,400
520975	Maint Equipment		7,383	2,788	4,100	3,000	4,650
520980	Maint Electronics		59,236	52,460	5,400	11,500	3,575
521130	Overhead Fees		2,900	2,900	0	0	(
521195	Telecommunications		2,240	2,558	0	0	(
521201	Electric Power		25,059	21,946	20,000	25,000	13,500
521202	Natural Gas		2,936	3,512	3,000	2,500	2,000
521203	Water	T	12,284	1,604	6,000	4,000	4,000
530105	Operations	\Box	1,480	988	1,700	1,700	1,100
	Total		160,392	136,121	75,000	79,500	61,225
Commodit	ies	\vdash					
	Chemicals	3	35,215	26,767	40,000	25,000	20,000
	Total		35,215	26,767	40,000	25,000	20,000
	Total 270-1		243,047	184,134	115,000	104,500	81,225

270-1 STORMWATER PLANT & HILL AVENUE LIFT STATION O&M FOOTNOTES

(1) SALARIES:

The salaries have been relocated to Division 270.

(2) **CHEMICALS** (\$20,000):

Chemicals used to chlorinate and dechlorinate during periods of high flow when the plant is in service. This cost is reduced due to the stub year budget.

Glenbard Wastewater Authority SY2014 Budget - 270-1 - Stormwater Plant & Hill Avenue Lift Station

	Item	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
520775	IEPA Regulatory Fees		23,000		23,000	
				\$23,000)	\$23,000
520970	Building/Grounds	Misc. Repairs	1,500		1,000	
		Sidewalk Repairs	0		0	
	Bldg/Grnds - Support	Door/Lock/Window Repairs	0		450	
		Landscape Maintenance	7,200		6,000	
		Pest Control	500		300	
		Fire Extinguisher Service/Repairs	100		100	
		Tru-Green Chemlawn	1,200		750	
		Roof Inspection	300		200	
		Roof Repairs	500		300	
		Sidewalk Repairs	500		300	
				\$11,800		\$9,400
520975	Maintenance	Unanticipated Equipment Repairs	700		600	
		Hill Avenue Submersible Pump Service	2,500		1,500	
		Peristaltic Pump Replacement Hose	300		250	
	Equipment - Support	Unanticipated Equipment Repairs	500		300	
		Underground Locates			750	
		Hill Avenue Access Hatch Repair			500	
		RPZ Inspections	100_		750	
				\$4,100		\$4,650

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

The North Regional Interceptor (NRI) which 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 line 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 trunk lines from both 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 lines 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 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 located next to Ackerman Park in Glen Ellyn. The Lift Station receives flow from the Village of Glen Ellyn and DuPage County sanitary sewer systems. Flows range from 2 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 SY2014
Operations & Maintenance
Division 270-2
North Regional Interceptor

REVENUE

		Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
Operation	/Maintenance					
450015	Glen Ellyn	6,311	18,647	0	0	0
450010	Lombard	10,142	34,803	0	0	0
DIVISION	<u> </u> 272	16,453	53,450	0	0	0

All revenues are accounted for in Division 270 beginning FY2014

Budget SY2014		es		EXPENSES			
Operations & N	laintenance	Footnotes					
270-2	- D II 0	oot	Actual	Actual	Approved	Estimated	Budgeting
NRI / St. Charle		L.	FY2012	FY2013	FY2014	FY2014	SY2014
Personnel Serv							
	Salaries - Regular	1	2,743	3,685	0	0	0
	Salaries - Overtime		26	0	0	0	0
510400			202	264	0	0	0
510500	<u> IMRF</u>		329	425	0	0	0
	Total		3,300	4,374	0	0	0
Ct. Charles Dd	I iff Ot at						
St. Charles Rd.		2					
520885 SC	Insurance - Liability		0	0	0	0	0
520895 SC	Insurance - Health		0	0	0	0	0
520970 SC	Maint Bldg. & Grnds.		0	0	600	400	400
520975 SC	Maint - Equipment	3	0	0	10,850	850	12,850
520980 SC	Maint Electronics		0	0	5,700	6,500	3,000
521201 SC	Electric Power		0	0	11,000	11,000	7,500
	l Total		0	0	28,150	18,750	23,750
North Regional	Interceptor						
520970 NRI	Maint Piping & Grnds.		0	31,603	1,000	0	550
	Insurance - Liability		5,474	4,756	0	0	0
520895	Insurance - Health		1,000	1,210	0	0	0
520980	Maint Electronics		6,423	6,444	0	0	0
521130	Overhead Fees		600	700	0	0	0
521195	Telecommunications		0	0	0	0	0
	Total		13,497	44,713	1,000	0	550
	Total 270-2		16,797	49,087	29,150	18,750	24,300

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

(1) SALARIES:

The salaries have been relocated to Division 270.

(2) ST. CHARLES RD. LIFT STATION EXPENSES:

The expenses for St. Charles Rd. Lift Station prior to FY2014 can be found under the Budget Tab for Division 274-277.

(3) MAINTENANCE - EQUIPMENT (\$12,850):

The \$2,000 increase from approved FY2014 for this line item is indicative of the increase cost of the annual maintenance work that is required to be completed on the lift station submersible pumps.

Glenbard Wastewater Authority SY2014 Budget - 270-2 NRI / St. Charles Rd. L.S.

	ltem	Recommendations	FY14 Approved	Total	SY14 Budgeting	Total
St. Charles L.S.						
520970 SC	Bldg and Grounds	Miscellaneous	250		150	
		Annual RPZ Certification	100		100	
		Annual Fire System Certification	250		150	
520975 SC	Maint. Equip.			\$600		\$400
		Misc Parts/Oils (Post Warranty)	100		100	
		Submersible Pumps Annual Service	10,000		12,000	
		Patten Generator Service	750		750	
				\$10,850		\$12,850
520980 SC	Maintenance Electronics	Control Panel PM/Repairs	200		100	
		Electrical Distribution PM/Repairs	800		500	
		HVAC Equipment PM/Repairs	200		100	
		Instrumentation PM/Repairs	800		500	
	Lighting Equipment PM/Repairs	100		100		
		Misc Spare Parts	2,500		1,000	
		Motor PM/Repairs	200		100	
		SCADA System PM/Repairs	800		500	
		Telecommunications PM/Repairs	100		100	
				\$5,700		\$3,000
521201 SC	Electric Power		11,000		7,500	
				\$11,000		\$7,500
NRI						
520970 NRI	Maint Piping and Grounds	Misc. repairs to the exposed manholes	1,000		550	
		Cleaning & Televising Sewer	0		0	
		•		1,000		\$550
		Total 270-2		\$29,150		\$24,300

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 gravity sewer which flows into the SRI Pump Station. The SRI Pump Station pumps the wastewater a short distance to a junction chamber for the NRI, SRI and 22nd Street flow. The junction chamber combines the three (3) interceptor pipes and conveys the flow through a 60" main line to the Glenbard Facility. Through the 1.5 miles the pipe diameter changes from 18" to 30" as three additional sewers enter the SRI.

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.

Budget SY2014
Operations & Maintenance
Division 270-3
South Regional Interceptor

REVENUE

		Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
Operation	/Maintenance					
450010	Glen Ellyn	18,419	58,650	0	0	0
DIVISION 2	273	18,419	58,650	0	0	0

All revenues are accounted for in Division 270 beginning FY2014

EXPENSES Budget SY2014 Footnotes **Operations & Maintenance** Actual Approved Estimated **Budgeting** 270-3 Actual SRI / Valley View L.S. FY2012 FY2013 FY2014 FY2014 SY2014 Personnel Services 510100 Salaries - Regular 1 648 1,118 0 0 0 0 510200 Salaries - Overtime 31 128 0 0 0 510400 FICA 49 0 0 91 82 0 0 0 510500 IMRF 147 0 Total 810 1,484 0 0 0 Valley View Lift Station 2 0 0 520970 VV Bldg. & Grnds. Support 0 1,000 1,000 0 520975 VV 0 2,100 1,500 1,300 Maint. - Equipment 0 1,200 520980 VV Maint. - Electronics 0 1,700 4,500 0 0 5,000 6,700 521201 VV Electric Power 8,500 South Regional Interceptor 2176 0 0 0 520776 TMDL Commitment 2,112 0 0 0 520885 Insurance - Liability 3,137 2172 1,000 0 520895 Insurance - Health 651 0 520970 Maint. - Piping & Grnds. 13831 1,000 0 500 0 0 0 0 520975 Maint. - Equipment 0 0 12,309 13670 0 0 520980 Maint. - Electronics 0 0 0 521130 Overhead Fees 600 300 10,800 9,700 Total 19,158 32,800 15,500 19,968 34,284 10,800 15,500 9,700 Total 270-3

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 gravity sewer which flows into the SRI Pump Station. The SRI Pump Station pumps the wastewater a short distance to a junction chamber for the NRI, SRI and 22nd Street flow. The junction chamber combines the three (3) interceptor pipes and conveys the flow through a 60" main line to the Glenbard Facility. Through the 1.5 miles the pipe diameter changes from 18" to 30" as three additional sewers enter the SRI.

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.

Glenbard Wastewater Authority SY2014 Budget - 270-3 - SRI / Valley View L.S.

DESIGNATION	ltem	Recommendation	FY14 Approved	Total	SY14 Budgeting	Total
Valley View Lift Station						
520970 VV	Bldg./Grnds - Support	Landscape Maintenance	1,000		0	
		Patten Generator Service	0		00	
520975 VV	Maint. Equip.			\$1,000	_	\$0
020370 VV	мант. Едир.	Pump Porto Engine Oile/Filters	4000			
		Pump Parts- Engine Oils/Filters	1200		600	
		Annual Engine/Generator Evaluation Seal Water Filters	800		600	
		Pump Maintenance	100		100	
		Patten Generator Service	0		0	
		ratterr Generator Service	0	<u> </u>		
				\$2,100		\$1,300
520980 VV	Maint, Electronics	Control Panel PM/Repairs	200		200	
		Electrical Distribution PM/Repairs	250		150	
		HVAC Equipment PM/Repairs	100		100	
		Instrumentation PM/Repairs	500		250	
		LAN PM/Repairs	100		100	
		Lighting Equipment PM/Repairs	100		100	
		Motor PM/Repairs	100		100	
		SCADA System PM/Repairs	250		100	
		Telecommunications PM/Repairs	100		100	
			5	\$1,700		\$1,200
521201 VV	Electricity			\$5,000		\$6,700
SRI						
520970 SRI	Maint Piping and Grounds	Misc. repairs to the exposed manholes	1,000		500	
	manut iping and ordando	Cleaning & Televising Sewers	0		0	
		5 · · · · · · · · · · · · · · · · · · ·	v		· ·	
				\$1,000		\$500
		Total 270-3		\$10,800		\$9,700

Budget SY2014 Operations & Maintenance Division 274

St. Charles Road Lift Station

REVENUE

		Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
Operation	/Maintenance					
450010	Glen Ellyn	65,731	81,160	0	0	0
DIVISION :	274	65,731	81,160	0	0	0

Budget SY2014

EXPENSES

Operations & Maintenance

Division 274		Actual	Actual	Approved	Estimated	Budgeting
St. Charles Ro	pad Lift Station	FY2012	FY2013	FY2014	FY2014	SY2014
Personnel Ser	vices					
	Salaries - Regular	5,221	3,674	0	0	0
510200	Salaries - Overtime	652	304	0	0	0
510400	The state of the s	421	288	0	0	0
510500	IMRF	693	465	0	0	0
	Total	6,987	4,731	0	0	0
Operations &	 Maintenance					
520885	Insurance - Liability	5,720	5144	0	0	0
520895	Insurance - Health	2,100	2140	0	0	0
520970	Bldg. & Grnds. Support	201	332	0	0	0
520975	Maint Equipment	616	7375	0	0	0
520980	Maint Electronics	30,284	33248	0	0	0
521130	Overhead Fees	1,200	1200	0	0	0
521195	Telecommunications	4,163	4510	0	0	0
521201	Electric Power	14,460	8982	0	0	0
	Total	58,744	62,931	0	0	0
	100000000000000000000000000000000000000					
Total Division 274		65,731	67,662	0	0	0

Budget SY2014
Operations & Maintenance
Division 275
Valley View Lift Station

REVENUE

		Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY201	Budgeting SY2014
Operation	/Maintenance					
450010	Glen Ellyn	23,948	23,900	0	0	0
DIVISION	<u> </u>	23,948	23,900	0	0	0

Budget SY2014

EXPENSES

Operations & Maintenance

Operations &	vianne name e					
Division 275		Actual	Actual	Approved	Estimated	Budgeting
Valley View Lit	ft Station	FY2012	FY2013	FY2014	FY2014	SY2014
Personnel Ser						
	Salaries - Regular	4,155	3,420	0	0	0
510200	Salaries - Overtime	2,609	846	0	0	0
510400		490	310	0	0	0
510500	IMRF	811	501	0	0	0
	Total	8,065	5,077	0	0	0
Operations & I	Maintenance					
520885	Insurance - Liability	1,938	1773	0	0	0
520895	Insurance - Health	1,000	1117	0	0	0
520970	Bldg. & Grnds. Support	879	1005	0	0	0
520975	Maint Equipment	990	1693	0	0	0
520980	Maint Electronics	2,534	3165	0	0	0
521130	Overhead Fees	600	600	0	0	0
521195	Telecommunications	897	1087	0	0	0
521201 Electric Power		7,045	4050	0	0	0
	Total	15,883	14,490	0	0	0
Total Division	275	23,948	19,567	0	0	0

Budget SY2014
Operations & Maintenance
Division 276
SRI Lift Station

REVENUE

	Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
Operation/Maintenance					
450010 Glen Ellyn	4,658	4,700	0	0	0
				10000	
DIVISION 276	4,658	4,700	0	0	0

Budget SY2014

EXPENSES

Operations & Maintenance

Division 276 SRI Lift Station		Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
Personnel Se		F12012	F12013	F12014	F12014	312014
	00 Salaries - Regular	901	1,894	0	0	0
	00 Salaries - Overtime	0	1,004	0	0	0
	00 FICA	66	138	0	0	0
	00 IMRF	107	222	0	0	0
	Total	1,074	2,254	0	0	0
Operations 8	Maintenance					
520885	Insurance - Liability	615	1318	0	0	0
520895	Insurance - Health	1,100	279	0	0	0
520975	Maint Equipment	0	100	0	0	0
520980	Maint Electronics	0	0	0	0	0
521130	Overhead Fees	600	99	0	0	0
521201	Electric Power	3,092	0	0	0	0
	Total	5,407	1,796	0	0	0
Total Division	n 276	6,481	4,050	0	0	0

Budget SY2014
Operations & Maintenance
Division 277
Sunnyside Lift Station

REVENUE

	Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2015	Budgeting SY2014
Operation/Maintenance					
450010 Glen Ellyn	965	3,350	0	0	0
DIVISION 277	965	3,350	0	0	0

Budget SY2014

EXPENSES

Operations & Maintenance

Division 27	77	Actual	Actual	Approved	Estimated	Budgeting
	Lift Station	FY2012	FY2013	FY2014	FY2014	SY2014
Personnel	Services					
510	100 Salaries - Regular	69	123	0	0	C
510	200 Salaries - Overtime	0	0	0	0	O
510	400 FICA	5	9	0	0	0
510	500 IMRF	8	14	0	0	0
	Total	82	146	0	0	0
Operations	& Maintenance					
520885	Insurance - Liability	445	431	0	0	0
520895	Insurance - Health	200	279	0	0	0
520975	Maint Equipment	0	0	0	0	0
520980	Maint Electronics	138	0	0	0	0
521130	Overhead Fees	100	102	0	0	0
	Total	883	812	0	0	0
Total Divisi	on 277	965	958	0	0	0

GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

REVENUE in Thousands \$	In the	FY(2014)	SY(2014)	CY(2015)	CY(2016)	CY(2017)	CY(2018)	CY(2019)	CY(2020)	CY(2021)	CY(2022)	CV(2023)
	Footno	Estimated	Budgeting	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing Investment Income	- "	10	7	14		20	- 20	20				0 20
Glen Ellyn Conn Fees Lombard Conn Fees	2.	25 40	20 20					25 25	25 25		25 25	25
Tranfers in From Funds 41-47 Tranfers in From O&M Fund 270	1	2492	525							-		~~~~~
EnerNoc Demand Response Program Leachate Revenue	2	8	38									
Cell Tower Revenue	4	80 49	40				40	117 40	117 40	40	117 40	117 40
Miscellaneous Revenue Capital Fund Contribution - Glen Ellyn		10 1318	10 950	10 1583	10 1741	10 1915		2317	10 2549		10 3084	10 3407
Capital Fund Contribution - Lombard Total Capital Fund Contribution	5	1382 2700	1010 1960	1684 3267	1853 3 594	2038 3953	-	2466 4783	2713 5262	2984 5788	3282 6366	3626 7033
TOTAL REVENUE	Ť	5414	2697	10182		4190		5020	5499		6603	7270
EXPENSES in Thousands \$		FY(2014)	SY(2014)	CY(2015)	CY(2016)	CY(2017)	CY(2018)	CY(2019)	CY(2020)	CY(2021)	CY(2022)	CY(2023)
Debt Service Payments: CSO Project Debt Payment (P&I) -	6	Estimated 74	Budgeting 37	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
BIP Project Debt Payment (P&I)	7	379	379							-		
Ana Digester Project Debt Payment (P&I) Facility Improvement Plan Debt Payment (P&I)	8	597	298	596	596	596 980		596 980	596 980		596 980	596 980
Debt Service Subtotal Capital Improvements		1050	714	786	596	1576	1576	1576	1576	1576	1576	1576
Rolling Stock Small Capital Projects	9	111 75	92 80		110	134		146			74	130
Infrastructure Improvements	11	429	397	359	300	100 300	300	100 300	100 300	300	100 300	100 300
Plant Equipment Rehabilitation Oxygen Facility Upgrade	12	233	224	317	300	300	300	300	300	300	300	300
Cryo Turnaround Roof Replacements - Updated based on Repl. Schedule	13	61	59	200	100	69	0	0	0	100	. 0	0
Facility Plan	10	3		200	100	120		0	U	0	150	0
Digester Improvement Project - FY13 Mediated Valley View Lift Station	14	427					-					
Engineering Construction		20 100	100 1400									
DuPage River Salt Creek Work Group Project Assessment		100	1400									
Assessment Cost for Watershed Projects GWA Admin Parking Lot Storm Drain Lining	15			98	101	161	166	271				
Construction Remote Site Communication	16		60			×						
Engineering Construction	10		26									
LCSTF Clarifier Mechanism Replacement			144								-,	
Purchase and Installation Screening, Grit, CSO-Grit HVAC Replacement	17	190						-				
Engineering Construction			32 140							(r		
Facility Improvement Plan	18		140									
Influent Pump Station Improvements Sand Filter Upgrade	+						-	· · · · ·				
UV Disinfection Upgrade Engineering			1134	1134								
Construction (IEPA Loan)	10		1154	6648								
Chemical Phosphorus Removal Engineering	19		49	68					-	=		
Construction Digester Gas Recovery - Combined Heat and Power (CHP)	-			643								,
Engineering Construction				500	2500							
Hauled Wastes Receiving Phase 1												
Engineering Construction	1			18	26 240							
Intermediate Pump Station Modifications Engineering	-	14			107						1	
Construction UNOX Deck Control Improvements						1000						
Engineering					28							
Construction Final Stage Unox Deck Modifications						361						
Engineering Construction	-				16	23 214			-			
O&M Manual Update Primary / Waste Activated Sludge Thickening Phase 2 & 3	1				338	217						
Engineering				-		111	154					
Construction Elect. Service, Backup & Redundancy Projects	+						1446					
Engineering Construction							126	174				
Biosolids Covered Storage								1631				
Engineering Construction	\pm							174	121 1134	121 1134		
Biosolids Dewatering Equipment Replacement Engineering	-								183		127	
Construction Grit Building MCC Replacement	-	0.							103	1191	1191	
Engineering									17		-	
Cryo Building MCC and PLC Replacement						. 9				221		
Engineering Construction									21	29 277		
PLC Replacements												
Engineering Construction									64	88		
Site Lighting Engineering	-			10					20	27		
Construction Stormwater Plant Lagoon Dredging	-									253	3 5	
Engineering	1											
Construction Stormwater Plant Barscreen Upgrade											1344	
Engineering Construction	+	2				9				87	121 1136	
Liquid Biosolids Storage Improvements Engineering												725
Construction	1									148	103 961	103 961
Stormwater Plant Grit Collection Upgrade and HVAC Engineering							-				226	313
Construction Project Total		2016	3937	10732	10378	2931	2749	3096	2398	5386		2960
The second secon	41	717517	在,是有一种		Scale	X-1987.4*	STATE OF			4.3668	6133	5167
IFT/DEBT SERVICES / PROJ TOTAL		3066	1000	11518	Signature.	100	742.0	第12章	3974	6962	7709	6743
Cash on Hand 5/1 Gain/Loss FY		3017 2348	5365 (1954)	3411 (1336)	(1086)	989	672 270	942 348	1290 1525	2815	1878 (1106)	771 527
Cash on Hand 4/30		5365	3411	2075	989	672		1290	2815		771	1298

			Actual FY2012	Actual FY2013	Approved FY2014	Estimated FY2014	Budgeting SY2014
40	440600	CONNECTION FEES - GLEN ELLYN	16,124	30,024	25,000	25,000	20,000
40	440601	CONNECTION FEES - LOMBARD	18,299	30,271	25,000	40,000	20,000
40	450225	EQUIPMENT REPLACEMENT FUND					
40	450010	GLEN ELLYN - 48%	700,907	748,979	1,311,930	1,311,930	949,717
40	450015	LOMBARD - 52%	766,493	851,821	1,388,070	1,388,070	1,010,483
40	460100	INVESTMENT INCOME	5,853	6,012	10,000	10,000	7,000
40	480600	ENERNOC DEMAND RESPONSE PROGRAM			8,000	8,000	38,000
40	480700	LEACHATE REVENUE			117,000	80,000	77,000
40	489000	MISCELLANEOUS REVENUE	7,451	90,146	10,000	10,000	10,000
40	480450	PROCEEDS FROM BORROWING					
40	440700	INTERFUND TRANSFER FROM DIVISION 270					525,000
40	440700	INTERFUND TRANSFER FROM FUNDS 41-47			956,000	2,492,000	0
40	480800	CELL TOWER REVENUE			24,000	49,000	40,000
	ENUES TOTA		1,515,127	1,757,253	3,875,000	5,414,000	2,697,200
PRIN	CIPAL & INT	TEREST:					
40	550050	IEPA CSO LOAN PRINCIPAL			68,000	71,000	36,500
40	550900	IEPA CSO LOAN INTEREST EXPENSE			6,000	3,000	500
40	550100	IEPA BIOSOLIDS LOAN PRINCIPAL	339.872	348,663	346,000	358,000	367,000
40	550950	IEPA BIOSOLIDS LOAN INT EXP	38,954	30,164	33,000	21,000	12,000
40	550110	IEPA DIGESTER PRINCIPAL	391,528	428.524	437,000	440,000	225,500
40	550960	IEPA DIGESTER INTEREST	159,244	159,649	160,000	157,000	72,500
PRIN	CIPAL & INT	EREST TOTALS:	929,598	967,000	1,050,000	1,050,000	714,000
CAPI	TAL OUTLA	Y					
40	520700	LEGAL GENERAL COUNSEL	31,852				
40	570155	ROLLING STOCK - VEHICLES	31,652	145,060	111,000	444.000	
40	580120	SMALL CAPITAL PROJECTS	51,379	90,724	109,000	111,000 75,000	92,000
40	580140	INFRASTRUCTURE UPGRADES	215,929	660,981	429,000		80,000
40	580145	ROOF UPGRADES	128	165,457	61,000	429,000 61.000	397,000
40	580150	PLANT EQUIPMENT REHABILITATION	127,206	117,377	300,000		59,000
40	580150	CRYO 5 YEAR MAINTENANCE	6,272	117,577	300,000	233,000	224,000
40	580150	OXYGEN SYSTEM REHABILITATION	0,2,2		0	367,000	U
40	580180 1	4001 VALLEY VIEW L.S. CONSTRUCTION & ENGINEERING			1,885,000	120,000	1,500,000
40		4002 STORMWATER PLANT CLARIFIER COLLECTOR REHAB			285,000	190,000	1,300,000
40		4003 INFLUENT PUMP IMPROVEMENT DESIGN			241,000	190,000	0
40		4004 ADMIN PARKING LOT STORM DRAIN LINING			241,000		60,000
40		4005 REMOTE SITE COMMUNICATION	 				170,000
40		4006 SCREENING, GRIT, CSO GRIT HVAC IMPROVEMENT	_	-			170,000
40		4007 FACILITY IMPROVEMENT PLAN	 		0	-	1,134,000
40		4008 CHEMICAL PHOSPHORUS REMOVAL			- 0		
40	580235	BIO SOLIDS ENGINEER SERVICES	53,016	26,994		10,000	49,000
40	580239	ANAEROBIC DIGESTER IMPROVEMENTS	253,534	11,249		417,000	
40	580600	FACILITIES PLAN UPDATE	1 200,00-7	86,852		3,000	
40	580610	ASSET ANALYSIS	38,500	55,002		3,000	
40			00,000				
40							
CAPIT	AL OUTLAY	TOTALS:	777,816	1,304,694	3,421,000	2,016,000	3,937,000
PRINC	IPAL & INTE	REST / CAPITAL OUTLAY TOTALS	1,707,414	2,271,694	4,471,000	3,066,000	4,651,000

SY2014 FUND 40 CAPITAL FOOTNOTES

(1) Interfund Transfer Revenue from O&M Fund 270 (\$525,000) Excess funds from the FY2013 O&M budget were authorized for transfer into the Capital Fund 40 to be utilized for use on existing projects identified by the FY2013/2014 Facility Plan.

(2) EnerNoc Demand Response Program (\$38,000):

The PJM Emergency Load Response Program enables the program participants to receive payment for being available to reduce or eliminate electricity consumption when the reliability of the electric grid is in jeopardy and voltage reductions and rolling brownouts are imminent. Being a part of this program makes us a part of the solution. It makes us a steward of electrical consumption since we are able to help reduce possible short comings to the electrical grid and we get paid for it.

(3) <u>Leachate Revenue (\$77,000)</u>:

Three (3) trucks a day at \$0.025/gallon will provide GWA with approximately \$117,000/year in additional revenue. The SY2014 budget has been reduced by 33% due to only 8 months of invoicing. The contract is a two (2) year deal that began in FY2013 ending in SY2014. For the Authority's protection the contract includes a ninety (90) day out clause, and a 48 hour stop clause. A new contract will be negotiated in SY2014.

(4) Cell Tower Revenue (\$40,000):

From and after the Commencement Date, GWA licenses to AT&T the use of a space in and/or on the Property, comprising not more than nine hundred square feet (900 sq. ft.) oriented in a roughly 20 foot x 45 foot area. GWA also granted to AT&T and its representatives the right of access to the Premises (and other necessary areas of the Property).

This License runs for five (5) years, plus three (3), five (5) year terms renewable at AT&T's option. The initial term begins on the Commencement Date. As used in the License, "term" means the initial term and any renewal term. The Agreement shall automatically renew upon the same terms and conditions unless AT&T notifies Licensor in writing of AT&T's intention not to renew this Agreement at least sixty (60) days prior to the expiration of the existing term.

AT&T will pay GWA annually a license fee of Twenty Four Thousand Dollars \$24,000. The license fee shall be increased annually by four percent (4.0%).

Currently the Authority and the Village of Glen Ellyn are negotiating with Verizon Wireless to place a cellular antenna on the AT&T tower at 80'. Discussions are ongoing with the Village of Glen Ellyn regarding the land lease. I have estimated approximately \$16,000/year additional revenue for this lease in SY2014.

(5) Capital Fund (\$1,960,000):

The Equipment Replacement Fund relies on dedicated contributions from both communities to support GWA capital expenses. Returning to the Fund 40 contribution allocates capital revenue and expenses to one fund which has historically been and should continue to be the means of equipment rehabilitation. Based on Facility Planning efforts during FY2013 and 2014 the Equipment Replacement Fund 40 will be increased annually based on project demands for the next 10 years. The first year FY2014 will see an increase of 11% from FY2013. FY2013 was an 8% increase overall from FY2012, so the facility planning efforts have yielded an additional 3% increase over the prior year, but will average out the years between FY1998 and FY2014 to be 7% as recommended by the Johnson Study in FY1985. The Facilities Plan indicates that the associated projects that have been outlined for the next 10 years require a 9% increase annually after FY2014 to remain solvent with reserves. This is only a 2% increase over the recommended 7% contribution agreed to in 1985. The Capital contribution outlined for SY2014 was based off of a reduction of 33% due to only 66% of the budget year being utilized due to the switch to a calendar year budget January 1, 2015.

(6) <u>Combined Sewer Overflow Plant Project Debt Payment</u> (\$37,000):

This is the repayment of IEPA Loan for the 2001 rehabilitation of the Stormwater Plant. The amount of the loan was \$630,360 to be paid back over ten (10) years at an interest rate of 2.675%. SY2014 is the last year for repayment of this debt.

(7) <u>Biosolids Improvement Project Debt Payment (\$379,000):</u>

This is the principal and interest repayment of IEPA Loan for the 2003 Biosolids Improvement Project. The amount of the loan was \$3,130,711 to be paid back over ten (10) years at an interest rate of 2.57%. Final payment will be made in CY2015.

(8) <u>Digester Improvement Project Debt Payment (\$298,000):</u> This is the principal and interest payment of IEPA Loan for the 2009 installation of a new 80' digester at the Glenbard Plant. Also included in this project was some cleanup work from the BIP Project. The amount of the loan was \$6,499,070 to be paid back over fifteen (15) years at an interest rate of 2.5%. Substantial completion was awarded near the end of

FY2011. Final Completion of the Anaerobic Digester Project was awarded in November 2013.

(9) Rolling Stock (\$92,000):

This year GWA will be replacing two vehicles and a welder per the vehicle replacement schedule identified in the appendix of the SY2014 budget.

(10) Small Capital Projects (\$80,000):

This cost center provides for small capital replacements. A few of the planned projects for SY2014 are listed below:

SCADA/LAN UPS replacements	\$15,000
Workstation Replacements SCADA & LAN	\$10,000
Front Gate Operator Replacement	\$20,000
Workstation Replacements SCADA & LAN	\$10,000

(11) <u>Infrastructure Improvements (\$397,000):</u>

This cost center provides for various infrastructure improvements throughout the GWA Facilities. A few of the planned projects for SY2014 are listed below:

Fence Replacement - Glenbard Plant	\$25,000
Admin Parking Upgrade	\$60,000
Dewatering MCC Room AHU Replacement	\$30,000
Website Development	\$25,000
Carbo Mag Meter Replacement	\$30,000
SCADA Remote Sites Radio Survey	\$15,000
Admin Bldg Entry Door Upgrade	\$15,000
Stormwater Plant Riparian Restoration	\$20,000
Clarifier Trough Repairs (3 rd Year of 4-year Project)	\$50,000

(12) Plant Equipment Rehabilitation (\$224,000):

This cost center provides for various equipment rehabilitations throughout the GWA Facilities. A few of the planned projects for SY2014 are listed below:

Digester Cleaning	\$35,000
Limitorque MX Actuators Primary Pump Inlet	\$15,000
Grit Blower Rehabilitation	\$15,000
Grinder Exchange Program (3yr plan through CY2015)	\$17,000
Unox Inlet Valve Replacement (Contracted Installation)	\$120,000
Moyno Pump Spare Rotor/Stator (2) – (Year 2 of 3)	\$32,000
Hill Avenue Pump Replacement (Year 2 of 2)	\$20,000

(13) Roof Replacements (\$59,000):

This year GWA will be replacing two roofs at the Stormwater Plant per the Roof Replacement Schedule in the appendix of the SY2014 budget.

(14) Valley View L.S. Construction (\$1,500,000)

This project includes the construction and engineering of a submersible lift station, valve vault, metering manhole, emergency bypass manhole, and generator building. The project includes associated site, structural, piping, electrical, demolition, and miscellaneous other work. The lift station conveys raw wastewater to the South Regional Interceptor, which conveys wastewater to the Glenbard Plant.

(15) GWA Stormwater Pipe Lining (60,000):

This project includes lining the 35 year old 15" storm drain that conveys water from the culvert to the west of our administration parking lot and the parking lot to the river.

(16) Remote Site Communication (\$170,000):

This project is focused on the design, purchase and installation of a communication backbone that is based on cellular technology. With the continued escalation of land line lease agreements and the potential for failures due to aging infrastructure the Authority is looking to new more reliable and less expensive technologies for all of our remote sites.

(17) Glenbard Screening and Grit Building HVAC Replacements and Stormwater Grit Building Heater Replacements (\$172,000):

The Authority is looking to replace the heaters in three classified spaces throughout the facility. The Barscreen building, the Grit building and the Grit building at the Stormwater Facility. The two spaces at the Glenbard Plant will be adding air handling units to be sized for 12 air changes per hour, where the Stormwater Facility Grit building will only be getting replacement in kind Class 1, Division 1 heaters.

(18) Facility Improvement Plan (\$1,134,000):

This project will focus on design of the aging infrastructure of our Influent Pumping Station, Sand Filters, and the Ultraviolet Light Disinfection System. The majority of all of these systems are approximately 17 years old with some of the components being original 1977 equipment. The most recent improvement to all of this was to the influent gates for the barscreen and raw pumping station which were replaced in the early 2000's. The main focus at the influent pumping station is to replace the Raw Pumps, Variable Frequency Drives, Motor Control Centers, and Hydraulic Actuators. The station will be updated with pumps that will be able to reduce impacts to the interceptor sewers during high flow events due to their high head loss suction capabilities. The Sand Filters are being replaced with what is called a disk filter in an effort to remove significant recycles flows, and mechanical maintenance demands. The UV system is out dated and parts are beginning to fail and become more and more difficult to find. The design for the Facility Improvement Plan is set to take place in SY2014 with construction anticipated to begin in CY2015.

(19) Chemical Phosphorus Removal Engineering (\$49,000):

This is the first year of engineering budgeted for the study and design for chemical addition for phosphorus reduction which will include a new building, bulk storage and pumping. The intention of the study is to be able to determine through jar testing, biological phosphorus removal potential testing, and pilot testing where and how much of one of the chemicals selected (ferric chloride, alum or sodium aluminate) will be introduced into the treatment stream. The design aspect will determine the building size, tank size, pumping capacities, and distribution points for the chemical application. This project is anticipated to take approximately 2 years.

Glenbard Wastewater Authority SY2014 Infrastructure Improvement 40 580140

Designation	Recommendations	FY14 Approved	SY14 Budgeting
Electronics	Dewatering MCC Room AHU Replacement		30,000
	Dewatering Press Room AHU Replacement	35,000	00,000
	Dewatering Main Exhaust Fan Service	5,000	5,000
	Carbo Magnetic Flow Meter Replacement	30,000	0,000
	Nitro Magnetic Flow Meter Replacement	33,333	30,000
	Exterior Wal Pak Fixture Replacement		15,000
	Exit/Emergency Lighting Replacement		10,000
	Primary Sludge Density Meter	35,000	0
	SCADA Remote Sites Radio Survey	15,000	0
	Variable Frequency Drive for Raw Pumps	40,000	0
	CRAS VFD Replacements	0	12,000
	Nitro Waste VFD Replacements	0	3,000
	Website Development	· ·	25,000
	West Grit Influent Actuator Replacement		5,000
Admin Building	Upgrade Entry Doors (Front/Rear) ADA and Life/Safety Code	15,000	0,000
	Elevator Panel Upgrade (Fire Alarm Integration)	,	15,000
	Elevator Code Upgrades		8,000
Sand Filter Building	Sand Filter Sand	25,000	0
	Replace Exterior Building Stairs	17,000	0
Glenbard Plant	Door and Sidewalk Repairs	2,000	4,000
	Fence Replacement Black Aluminum Spade Top	90,000	25,000
Roads	Admin Parking Upgrade	80,000	60,000
	Radius Improvement at Thickener Clarifier for Leachate Delivery	15,000	0
Final Clarifiers	Final Clar Trough Repairs (3rd year of 4 year project - 1 Tank)	25,000	50,000
Stormwater Plant	Stormwater Plant Raparian Area Restoration & Maintenance		20,000
	Stormwater Rip/Rap Restoration		80,000
	Grand Total	\$429,000	\$397,000

Glenbard Wastewater Authority SY2014 Plant Equipment Rehabilitation 40 580150

Designation	Recommendations	FY14 Approved	SY2014 Budgeting
Pump and Metering	Nitro Waste Pump Replacement	4,000	0
Digester	Hydrostal Transfer Pump Seal Replacement	1,000	0
	Digester Cleaning	,	35,000
Raw Pump	Non-Pot Air Compressor Replacement	8,000	0
Bar Screen	Replacement Barscreen Srew Conveyor	17,000	0
Primary Clarifiers	Clarifier Weir Brush System	25,000	0
	Limitorque MX actuators Pump Inlet Valves (2)	15,000	0
Grit	Grit Blower Rehab (2)	15,000	0
	Grinder Exchange Program (3 year plan thru CY15)	15,000	17,000
Unox	Inlet Valve Replacement (2) Contracted Installation	105,000	120,000
	Purge Blower Rehab	25,000	0
Cryo	Cryo Annual Turn Around (5 Year)	0	0
Digester/Thickener	Moyno Pump Spare Rotar/Stator (2) (Year 2 of 3)	30,000	32,000
Stormwater Plant	Hill Avenue Pump Replacement (2 of 2yr plan) 1978 OEM Pumps	30,000	20,000
	Grit Baffle Rehabilitation	10,000	0
	Grand Total	\$300,000	\$224,000

Glenbard Wastewater Authority SY2014 Small Capital Improvement 40 580120

Designation	Recommendations	FY14 Approved	SY2014 Bugeting
Maintenance Shop			
	Heavy-Duty Tool Chest/Storage Cabinets at Shop	5,000	0
	Replacement Lathe (Used)	10,000	0
	Warehouse Shelving	6,000	0
St. Charles Lift Station	Spare Strainer Basket	5,000	0
	Water Meter Installation for Exterior Hose Bib	1,500	0
Digester	Overflow Crossover Connection	10,000	0
Safety	Roof Hatch Safety Posts (20)	7,000	0
	Supplied Air Respirator System Replacements (CSE)	12,500	0
Administrative	Office Furniture/Equipment Replacement	6,000	0
Electronics	Software Upgrades (OS & Application)	0	5,000
	SCADA/LAN UPS Replacement		15,000
	Workstation Replacements SCADA & LAN	10,000	10,000
	SCADA Laptop Replacements.Remote User iPads	1,000	0
	Electronic Technician Laptop	1,500	0
	Pressure Calibrator		2,500
Security	Front Gate Operator Replacement		20,000
Co-Gen & UV	Interior Lighting Replacement	16,000	0
	Primary Macerator Control Panel Replacement		7,500
	Scissor Lift Batteries/Service		1,000
Operations	Replacement Insulating Jackets Digester PRV's (2)	7,500	7,500
	Hypo Addition to Non-Pot	5,000	0
	Lombard Lagoon Sample Catwalk	5,000	0
	New Spectrophotometer		5,000
	Skidsteer Tire Replacement		1,500
Laboratory	Sampler Replacement		5,000
	Grand Total	\$109,000	\$80,000

SY2014 Lombard Combined Sewerage Treatment Facility Fund 41 Capital Plan

REVENUE in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
	Actual	Actual	Estimated	Budgeting
Interfund Transfer From Capital Fund 40				
Investment Income	1	0	0	0
Miscellaneous Revenue	0	0	0	0
Sinking Fund	264	264	0	0
TOTAL REVENUE	265	264	0	0
EXPENSES in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
Debt Service Payments:	Actual	Actual	Estimated	Planning
CSO Project Debt Payment (P & I)	74	74	0	0
Debt Service Subtotal	74	74	0	0
Capital Outlay				
Small Capital Projects	0	0	0	0
Infrastructure Improvements	29	0	0	0
Equipment Rehabilitation	7	0	0	0
Roof Replacements	0	0	0	0
Capital Improvements				
Lombard Weir Study/ Lombard Upgrades				
Engineering	110	4	0	0
Construction	1007	0	0	0
Clarifier Drive Mechanism & Structural Integrity Evaluation			0	0
Interfund Transfer To Capital Fund 40			201	0
Project Total	1153	4	201	0
DEBT SERVICES / PROJECTS TOTAL EXPENSES	1227	78	201	0
Cash on Hand 5/1	977	45	201	
Gain/Loss FY		15	201	0
Cash on Hand 4/30	(962)	186	(201)	0
Cash on mand 4/30	15	201	0	0

SY2014 North Regional Interceptor Fund 42 Capital Plan

REVENUE in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
	Actual	Actual	Estimated	Budgeting
Sinking Fund	152	166	0	0
TOTAL REVENUE	152	166	0	0
EXPENSES in Thousands\$	FY(2011)	FY(2013)	FY(2014)	SY(2014)
Capital Outlay			, , , , , , , , , , , , , , , , , , , ,	
Infrastructure Improvements	7	0	0	0
Interfund Transfer To Capital Fund 40			311	0
Project Total	7	0	311	0
PROJECTS TOTAL EXPENSES	7	0	311	0
Cash on Hand 5/1	0	145	311	0
Gain/Loss FY	145	166	(311)	0
Cash on Hand 4/30	145	311	0	0

SY2014 South Regional Interceptor Fund 43 Capital Plan

REVENUE in Thousands\$	FY(2012)	FY(2013)	FY(2014	SY(2014)
	Actual	Actual	Esimated	Budgeting
Sinking Fund	68	74	0	0
TOTAL REVENUE	68	74	0	0
EXPENSES in Thousands\$	FY(2012)	FY(2013)	FY(2014	SY(2014)
Interfund Transfer To Capital Fund 40	0	0	142	0
Project Total	0	0	142	0
PROJECTS TOTAL EXPENSES	0	0	142	0
Cash on Hand 5/1	0	68	142	0
Gain/Loss FY	68	74	(142)	0
Cash on Hand 4/30	68	142	0	0

SY2014 Saint Charles Road Lift Station Fund 44 Capital Plan

REVENUE in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
	Actual	Actual	Estimated	Budgeting
Interfund Transfer From Capital Fund 40	0	0	0	0
Investment Income	0	0	0	0
Miscellaneous Revenue	0	0	0	0
Sinking Fund	147	161	0	0
TOTAL REVENUE	147	161	0	0
EXPENSES in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
Capital Outlay				
Small Capital Projects	0	0	0	0
Infrastructure Improvements	7	0	0	0
Equipment Rehabilitation	19	0	0	0
Capital Improvements				
St. Charles Lift Station	106	28	0	0
Interfund Transfer To Capital Fund 45	0	40	0	0
Interfund Transfer To Capital Fund 40	0		108	0
Project Total	132	68	108	0
PROJECTS TOTAL EXPENSES	132	68	108	0
Cash on Hand 5/1	0	15	108	0
Gain/Loss FY	15	93	(108)	0
Cash on Hand 4/30	15	108	0	0

SY2014 Valley View Lift Station Fund 45 Capital Plan

REVENUE in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
	Actual	Actual	Estimated	Budgeting
Interfund Transfer From Capital Fund 44	0	40	0	0
Sinking Fund	45	49	. 0	0
TOTAL REVENUE	45	89	0	0
EXPENSES in Thousands\$	FY(2011)	FY(2012)	FY(2013)	SY(2014)
Capital Outlay				
Lift Station Improvement				
Engineering	0	115	0	
Construction	0	0	0	
Equipment Rehabilitation	0	10	0	
Interfund Transfer To Capital Fund 40	0		9	0
Project Total	0	125	9	0
PROJECTS TOTAL EXPENSES	0	125	9	0
Cash on Hand 5/1	0	45	9	0
Gain/Loss FY	45	(36)	(9)	0
Cash on Hand 4/30	45	9	0	0

SY2014 SRI Lift Station Fund 46 Capital Plan

REVENUE in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
	Actual	Actual	Estimated	Budgeting
Sinking Fund	45	49	0	0
TOTAL REVENUE	45	49	0	0
EXPENSES in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
Capital Outlay				
Equipment Rehabilitation	0	3	0	0
Interfund Transfer To Capital Fund 40	0	0	91	0
Project Total	0	3	91	0
PROJECTS TOTAL EXPENSES	0	3	91	0
Cash on Hand 5/1	0	45	91	0
Gain/Loss FY Cash on Hand 4/30	45 45	46 91	(91) 0	0

SY2014 Sunnyside Lift Station Fund 47 Capital Plan

REVENUE in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
	Actual	Actual	Estimated	Budgeting
Sinking Fund	11	12	0	0
TOTAL REVENUE	11	12	0	0
EXPENSES in Thousands\$	FY(2012)	FY(2013)	FY(2014)	SY(2014)
Interfund Transfer To Capital Fund 40	0	0	23	0
Project Total	0	0	23	0
PROJECTS TOTAL EXPENSES	0	0	23	0
Cash on Hand 5/1	0	11	23	0
Gain/Loss FY	11	12	(23)	0
Cash on Hand 4/30	11	23	0	0

SY2014
GLENBARD WASTEWATER AUTHORITY EQUIPMENT REPLACEMENT FUND

FUND 40	Actual FY12 Bdgt	Actual FY13 Bdgt	Approved FY14 Bdgt	Estimated FY14 Bdgt	Budgeting SY14 Bdgt
5966 Equipment Replacement Flow Split - Total = Half of the Whole			1,350,000	1,350,000	980,100
Glen Ellyn Flow Split - 46.70%			642,600	642,600	459,667
Lombard Flow Split - 53.30%			707,400		520,433
Equipment Replacement Split in Equity - Total = Half of the Whole			1,350,000	1,350,000	980,100
Glen Ellyn Flow Split - 50%			675,000	675.000	490,050
Lombard Flow Split - 50%			675,000	675,000	490,050
Total			2,700,000	2,700,000	1,960,200

			Total	Percentage by
TALOL EU			Contributions	Contribution
Total Glen Ellyn Equipment Replacement Fund Contribution:	1,317,600	1,317,600	949,717	48%
Total Lombard Equipment Replacement Fund Contribution:	1,382,400	1,382,400	1,010,483	52%

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 Voar	Fund 27 Glen Glen Ellyn	bard 84.6% Lombard	Total Budgeted Contribution	IFT Transfers	Glenbard Flowsplits	Stormwater 12% Lombard	IFT Transfers to Fund 28	Fund 27 N Glen Ellyn	Rí 2.1% Lombard	Total Budgeted Contribution	IFT Transfers to Fund 28	NRI Flowsplits	Fund 27 SRI 1.3% Glen Ellyn	IFT Transfers to Fund 28	Actual Contributions	Total to Fund 28	Fund 28 <u>% increase</u>	Total <u>Glen Ellyn</u>	Total <u>Lombard</u>	Accumulated <u>Funding</u>
FY(1986)	\$ 28.027.13	LOTTIDATA	\$ 28,027.13			\$ 3,975.48		\$ 238.00	458.00	\$ 696.00			\$ 430.68		\$ 33,129.29	0.00	0%	\$ 28,695.81	\$ 4,433.48	\$ -
FY(1987)	486,027.00		486,027.00			68,940.00		4,129.00	7,936.00	12,065.00			7,468.50		574,500.50	0.00	0%	497,624.50	76,876.00	-
FY(1988)	242,987.00	282,256,00	525,243.00	520,200.00		73,800.00	73,700.00	4,418.00	8,493.00	12,911.00	13,750.00		7,992.40	7,150.00	619,946.40	614,800.00	100%	255,397.40	364,549.00	614,800.00
FY(1989)	242,987.00	282,256.00	525,243.00	556,600.00		79,000,00	78,950.00	4,496.00	9,138.00	13,634.00	14,000.00		8,551.40	8,475.00	626,428.40	658,025.00	7%	256,034.40	370,394.00	1,272,825.00
FY(1990)	243,519.00	323,236.00	566,755.00	596,000.00	43.4/56.6	84,444.00	85,000.00	4,832.00	9,945.00	14,777.00	15,000.00	32.7/67.3	9,148.10	9,000.00	675,124.10	705,000.00	7%	257,499.10	417,625.00	1,977,825.00
FY(1991)	308,090.00	371,910.00	680,000.00	637,200.00	44/56	90,372.00	90,200.00	5,061.00	10,754.00	15,815.00	16,100.00	32/68	9,790.30	9,600.00	795,977.30	753,100.00	6%	322,941.30	473,036.00	2,730,925.00
FY(1992)	253,884.00	296,485.00	550,369.00	533,000.00	44/56	75,600.00	75,600.00	4,128.00	9,104.00	13,232.00	13,400.00	32/68	8,191.30	8,100.00	647,392.30	630,100.00	-20%	266,203.30	381,189.00	3,361,025.00
FY(1993)	256,274.00	268,331.00	524,605.00	560,192.00	45/55	79,500.00	79,400.00	4,380.00	9,524.00	13,904.00	14,000.00	32/68	8,607.20	8,500.00	626,616.20	662,092.00	5%	269,261.20	357,355.00	4,023,117.00
FY(1994)	265,659.00	341,029.00	606,688.00	588,000.00	45.2/54.8	83,400.00	83,400.00	4,736.00	9,859.00	14,595.00	14,700.00	32.5/67.6	9,035.00	8,900.00	713,718.00	695,000.00	5%	279,430.00	434,288.00	4,718,117.00
FY(1995)	243,431.00	348,656.00	592,087.00	617,600.00	46/54	87,600.00	87,600.00	5,212.00	10,118.00	15,330.00	15,500.00	34/66	9,490.00	9,300.00	704,507.00	730,000.00	5%	258,133.00	446,374.00	5,448,117.00
FY(1996)	256,157.00	335,727.00	591,884.00	648,500.00	44.5/55.5	92,000.00	92,000.00	5,312.00	10,785.00	16,097.00	16,200.00	33/67	9,964.50	9,800.00	709,945.50	766,500.00	5%	271,433.50	438,512.00	6,214,617.00
FY(1997)	278,157.00	369,235.00	647,392.00	681,000.00	42.92/57.08	96,600.00	96,200.00	5,692.00	11,213.00	16,905.00	17,100.00	31.21/68.79	10,465.00	9,800.00	771,362.00	804,100.00	5%	294,314.00	477,048.00	7,018,717.00
TOTALS	The second secon		\$ 6,324,320.13			\$ 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		Glenbard	1 84.6%	Glenbard	Stormwater 12%	NRI	2.1%	NRI	1	SRI 1.3%	Actual	Percentage	Total	Tot	al		Accumulated
Year	9	Sien Ellyn	Lombard	<u>Flowsplits</u>	<u>Lombard</u>	Glen Ellyn	Lombard	<u>Flowsplits</u>	L	Glen Ellyn	Contributions	Increase	 Glen Ellyn	Lomi	oard		Funding
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	\$ 59	0,350.00	\$	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	Γ	11,531.00	887,000.00	5%	\$ 349,058.00	\$ 53	7,340.00	\$	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	L	13,728.00	1,056,000.00	16%	\$ 422,595.00		3,536.00	_	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	\$ 81	2,353.00	\$	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	T	20,086.26	1,545,097.00	13%	\$ 638,912.26	\$ 90	3,184.00	\$	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	\$ 1,05	0,666.00	\$	14,456,084.00
FY(2004)		718,811.00	816,454.00	46.82/53.18	217,770.00	12,996.00	25,114.00	34.10/65.9		23,591.54	1,814,734.00	3%	\$ 755,398.54	\$ 1,05	9,338.00	\$	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	\$ 1,10	3,146.00	\$	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	\$ 1,18	4,381.00	\$	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	\$ 1,13	3,014.00	\$	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	\$ 1,00	1,716.00	\$	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	\$ 1,01	5,579.00	\$	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	\$ 1,15	5,821.88	\$	27,890,539.00
TOTALS	\$	8,247,452.76	\$ 9,383,280.56		\$ 2,528,671.00	\$ 159,528.31	\$ 279,473.32		\$	271,333.68	\$ 20,871,822.00		\$ 8,678,314.75	\$ 12,19	1,424.88		

Intermediate Capital Funding FY2011 through FY2013

	Division 40	Division 41	Fund 42	Fund 43	Fund 44	Fund 45	Fund 46	Fund 47					
Fiscal	Glenbard	Stormwater			St. Charles Rd	Valley View	SRI	Sunnyside	Actual	Percentage	Total	Total	Accumulated
<u>Year</u>	Plant 66.7%	Plant 12%	NRI 6.9%	SRI 3.1%	L.S 6.7%	L.S 2%	L.S 2%	<u>L.S .5%</u>	<u>Contributions</u>	Increase	Glen Ellyn	Lombard	Funding
FY(2011)	1,467,400.00	264,000.00	151,800.00	68,200.00	147,400.00	45,100.00	45,100.00	11,000.00	2,200,000.00	9%	\$ 1,625,800.00 \$	377,300.00	\$ 30,090,539.00
FY(2012)	1,467,400.00	264,000.00	151,800,00	68,200.00	147,400.00	45,100.00	45,100.00	11,000.00	2,200,000.00	0%	\$ 1,067,340 \$	1,132,660	\$ 32,290,539.00
FY(2013)	1,600,800.00	288,000.00	165,600.00	74,400.00	160,800.00	49,200.00	49,200.00	12,000.00	2,400,000.00	8%	\$ 1,160,788 \$	1,239,212	\$ 34,690,539.00
TOTALS	\$ 3.068,200.00	\$ 552,000.00	\$ 317,400,00 \$	142,600.00	\$ 308,200.00	\$ 94,300.00	94,300.00	\$ 23,000.00	\$ 4,600,000.00		\$ 2,228,127.76 \$	2,371,872.24	
TOTALS	Ψ 5,000,200.00	Φ 002,000.00		***************************************									

Fund 40 FY2014 through CY2023

Fiscal	Glen Ellyn	Lombard Split			Lombard Split	% Flow Split		Actual	Percentage Increase		Total Glen Eliyn	Total		cumulated Funding
<u>Year</u>	Split 50/50	<u>50/50</u>	1/2 Half of Actual	By Flow	By Flow	By Partner	1/2 Half of Actual			,		Lombard		
FY(2014)	675,000.00	675,000.00	1,350,000.00	642,600.00	707,400.00	47.6 / 52.4	1,350,000.00	2,700,000.00	11%	\$	1,317,600.00	\$ 1,382,400.00		7,390,539.00
SY(2014)	490,050.00	490,050.00	980,100.00	459,666.90	520,433.10	46.90 / 53.10	980,100.00	1,960,200.00	-38%	\$	949,716.90	\$ 1,010,483.10	\$ 39	9,350,739.00
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	2,617,739.00
CY(2016)	898,500.00	898,500.00	1,797,000.00	842,793.00	954,207.00	46.90 / 53.10	1,797,000.00	3,594,000.00	9%	\$	1,741,293.00	\$ 1,852,707.00	\$ 46	5,211,739.00
CY(2017)	988,250.00	988,250.00	1,976,500.00	926,978.50	1,049,521.50	46.90 / 53.10	1,976,500.00	3,953,000.00	9%	\$	1,915,228.50	\$ 2,037,771.50	\$ 50	0,164,739.00
CY(2018)	1,089,500.00	1,089,500.00	2,179,000.00	1,021,951.00	1,157,049.00	46.90 / 53.10	2,179,000.00	4,358,000.00	9%	\$	2,111,451.00	\$ 2,246,549.00	\$ 54	4,522,739.00
CY(2019)	1,195,750.00	1,195,750.00	2,391,500.00	1,121,613.50	1,269,886.50	46.90 / 53.10	2,391,500.00	4,783,000.00	9%	\$	2,317,363.50	\$ 2,465,636.50	\$ 59	9,305,739.00
CY(2020)	1,315,500.00	1,315,500.00	2,631,000.00	1,233,939.00	1,397,061.00	46.90 / 53.10	2,631,000.00	5,262,000.00	9%	\$	2,549,439.00	\$ 2,712,561.00	\$ 64	4,567,739.00
CY(2021)	1,447,000.00	1,447,000.00	2,894,000.00	1,357,286.00	1,536,714.00	46.90 / 53.10	2,894,000.00	5,788,000.00	9%	\$	2,804,286.00	\$ 2,983,714.00	\$ 70	0,355,739.00
CY(2022)	1,591,500.00	1,591,500.00	3,183,000.00	1,492,827.00	1,690,173.00	46.90 / 53.10	3,183,000.00	6,366,000.00	9%	\$	3,084,327.00	\$ 3,281,673.00	\$ 76	3,721,739.00
CY(2023)	1,758,250.00	1,758,250.00	3,516,500.00	1,649,238.50	1,867,261.50	46.90 / 53.10	3,516,500.00	7,033,000.00	9%	\$	3,407,488.50	\$ 3,625,511.50	\$ 83	3,754,739.00
TOTALS	\$ 12,266,050.00	\$ 12,266,050.00		\$ 11,515,004.90	\$ 13,017,095.10			\$ 49,064,200.00		\$	36,994,748.02	\$ 43,077,638.60		

Comments Pertaining to the Historical Value of the Equipment Replacement Fund

- ~ As a condition of Grant funding, the United States Environmental Protection Agency required that an equipment replacement fund be established. The purpose of the replacement fund is to be sure adequate funds are in place to replace equipment and make improvements as they are needed.
- ~ The 1985 Fred P. Johnson and Associates study recommended that a seven percent (7%) Sinking Fund be set up for equipment replacement. That meant that the fund would grow by seven percent (7%) each year. The Johnson study projected the Sinking Fund through FY 1991.
- ~ In FY1986 the O&M Sinking Fund was established with contributions being made to Fund 27, Glenbard Wastewater Authority Operations and Maintnance Fund.
- ~ In 1988 a new Fund was created based off of the Johnson Study recommendations. This was Fund 28, Glenbard Wastewater Authority Capital Equipment Replacement Fund. Fund 27 was the depository for Fund 28 with Inter Fund Trasfers (IFT's) being the vehicle to transfer needed funds into Fund 28. The Equipment Replacement Fund spreadsheet illustrates the deposits, transfers, splits and accumulations of the money.
- ~ In FY1992, after analyzing likely FY1992 FY1997 equipment replacement needs, Glenbard Staff and the Executive Oversight Committee concluded that a five percent (5%) sinking fund will be adequate. It took four fiscal years between FY1992 and FY1996 to return to the contribution level of 1991. The Sinking Fund is shown as growing by five percent (5%) from FY1992 FY1999.
- ~ A Facility Plan developed in FY(1998) caused the Glenbard Staff and the Executive Oversight Committee to commit to increasing the Sinking Fund to the Fred Johnson calculated values by FY2004.
- ~ The Sinking Fund was re-evaluated during the FY2007 budget discussions with Village Managers and Finance Directors when it was decided to no longer follow the recommended seven percent (7%) annual increase, but to evaluate the contribution on an annual basis. The Managers agreed to return to the seven percent (7%) annual increase in FY2008.
- ~ The Sinking Fund was again evaluated during budget planning for FY2008 when the decision by Village Managers and Finance Directors moved the Authority away from dedicated annual contributions, but to evaluate the contribution annually. At this time Village Managers and Finance Directors agreed to reduce the annual contribution to the Sinking Fund. It took three fiscal years between FY2008 and FY2010 to return to the contribution level of FY2007.
- ~ FY2011 was the first year that the EOC agreed to change the budget format without an executed IGA. The change to the percentages regarding how the Regional Treatment System was constructed did nothing more than devalue the Glenbard Plant to create arbitrary funds and increase value in others.
- ~ FY 2013 is the third year the budget has been formatted without a supporting IGA. Both Village presidents agreed at the December 2011 EOC meeting that this would be the last budget formatted without a supporting IGA. If an agreeable funding mechanism cannot be achieved by November 2012 the budget will revert back to the 1998 IGA supporting the FY10 budget format.
- ~ Beginning with the FY2013 Facility Plan the Capital Equipment Replacement Fund shall be funded with a mandatory ten percent (10%) increase from fiscal year to fiscal year through the 10 year plan as agreed to by the EOC. The increase to the Fund for FY2014 is actually eleven percent (11%). With this figure the period between FY2000 & FY2014 averages seven percent (7%) contribution
- ~ FY2014, SY2014 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.

Glenbard Wastewater Authority Summary of Projected Future Debt Service Payments As of May 1, 2014

	Lombard CSO Upgrade	Biosolids Improvement Project	Digester Project	Total Debt Service
FY05	36,805			36,805
FY06	73,610	186,758		260,368
FY07	73,610	373,516		447,126
FY08	73,610	373,516		447,126
FY09	73,610	373,516		447,126
FY10	73,610	378,826	260,472	712,908
FY11	73,610	378,826	520,945	973,381
FY12	73,610	378,826	580,598	1,033,034
FY13	73,610	378,826	595,749	1,048,185
FY14	73,610	378,826	595,749	1,048,185
SY14*	36,805	378,826	297,874	713,505
CY15	00,000	189,413	297,874	487,287
CY16		100,410	595,749	
CY17			595,749	595,749
CY18			595,749	595,749
CY19			595,749	595,749
CY20			595,749	595,749
CY21			595,749	595,749
CY22			595,749	595,749
CY23			595,749	595,749
CY24			595,749	595,749
CY25			297,875	297,875
	736,100	3,769,675	8,808,877	13,314,652

FINAL

FINAL

Estimated

Budget SY2014

Lombard CSO Upgrade Project

FINAL

Loan # L17-146100

IEPA Loan - Payback Schedule

Loan Amount:

\$642,127

Interest Rate: 2.6750%

Total Value of Loan (Principal + Interest): \$736,095

Fiscal				Total Loan	Remaining
Year	Expense	Interest	<u>Principal</u>	<u>Payment</u>	<u>Balance</u>
FY 2004	\$736,095	\$0	\$0	\$0	\$736,095
FY 2005		\$8,589	\$28,216	\$36,805	\$699,290
FY 2006		\$16,040	\$57,570	\$73,610	\$625,680
FY 2007		\$14,489	\$59,121	\$73,610	\$552,070
FY 2008		\$12,898	\$60,712	\$73,610	\$478,460
FY 2009		\$11,263	\$62,347	\$73,610	\$404,850
FY 2010		\$9,582	\$64,028	\$73,610	\$331,240
FY 2011		\$7,860	\$65,750	\$73,610	\$257,630
FY 2012		\$6,088	\$67,522	\$73,610	\$184,020
FY 2013		\$4,270	\$69,340	\$73,610	\$110,410
FY 2014		\$2,404	\$71,206	\$73,610	\$36,800
SY 2014*		\$485	\$36,315	\$36,800	\$0
Totals		\$93,968	\$642,127	\$736,095	\$0

The Executive Oversight Committee awarded a \$642,600 contract J. J. Henderson & Sons in September of 2001 for the rehabilitation of the Lombard CSO Plant. The New chlorine discharge limits lowered the residual regulation to 0.75 mg/L in 2001 for the Lombard plant. this meant the plant would need dechlorination equipment installed and revisions made to the chlorination system. The revisions have allowed for adequate disinfection of the wastewater, and compliance with permit requirements for discharged residual chlorine. Prior to the Lombard project, operations personnel would have to be physically at the plant to start up plant processes during a rain event. The rehabilitation work included the addition automation which enables staff to start the Lombard equipment from either a SCADA system terminal at the main facility or from a remove site via the SCADA on-call laptop. The Authority obtained a ten-year loan from the IEPA State Revolving Loan Fund at 2.6750% interest. The project was completed in February of 2004 with construction costs total \$641,000.

Budget SY2014

Biosolids Improvement Project

FINAL

Loan # L17-146300

IEPA Loan - Payback Schedule

Current Amount Borrowed:

\$3,306,983

Interest Rate: 2.57%

Total Value of Loan (Principal + Interest): \$3,769,678

Fiscal <u>Year</u>	<u>Balance</u>	Interest	<u>Principal</u>	Total Loan <u>Payment</u>	Remaining Balance
	3,306,983				3,769,678
FY 2006	3,162,314	42,089	144,669	186,758	3,582,920
FY 2007	2,867,374	78,576	294,940	373,516	3,209,404
FY 2008	2,564,806	70,948	302,568	373,516	2,835,888
FY 2009	2,254,412	63,122	310,394	373,516	2,462,372
FY 2010	1,931,462	55,877	322,950	378,826	2,083,546
FY 2011	1,600,159	47,524	331,303	378,826	1,704,719
FY 2012	1,260,287	38,954	339,872	378,826	1,325,893
FY 2013	911,624	30,164	348,663	378,826	947,066
FY 2014	553,943	21,145	357,681	378,826	568,240
SY 2014*	187,010	11,894	366,933	378,826	189,413
CY 2015	0	2,403	187,010	189,413	0
Totals		\$462,695	\$3,306,983	\$3,769,678	

The Executive Oversight Committee awarded the \$5,083,000 BIP contract to Dauro Co. Inc. of Lombard, IL in April of 2003. In June of 2003 the IEPA through its State Revolving Loan program awarded the Authority a loan in the amount of \$5,230,340. The original terms of the loan included a completion date of February 15, 2005 with the first repayment due on August 15, 2005. Due to poor contractor performance and delayed with a completion, an extnsion was obtained with a completion date of July 1, 2005. In accordance with the new shcedule, the IEPA initiated closeout of the above amount with the first repayment due December 7, 2005.

January 2009 the IEPA sent out an amendment to the loan slightly changing the numbers based on the incorporation of dispersments since the last loan amendment.

Budget FY2015

Estimated

Anaerobic Digester Loan # L17-287400

IEPA Loan - Payback Schedule

Current Amount Borrowed: \$7,324,600.95

Interest Rate: 2.5%

Total Value of Loan (Principal + Interest): \$8,808,877.36

Fiscal <u>Year</u>	Balance	Interest	<u>Principal</u>	Total Loan <u>Payment</u>	Remaining <u>Balance</u>	
	\$7,324,600.95				\$8,808,877.36	
FY 2011	\$7,145,164.44	\$81,035.93	\$179,436.51	\$260,472.44	\$8,548,404.92	
FY 2011	\$6,779,534.51	\$155,314.95	\$365,629.93	\$520,944.88	\$8,027,460.04	
FY 2012	\$6,361,785.70	\$162,848.73	\$417,748.81	\$580,597.54	\$7,446,862.50	
FY 2013	\$5,922,351.94	\$156,315.24	\$439,433.76	\$595,749.00	\$6,851,113.50	
FY 2014	\$5,471,863.68	\$145,260.74	\$450,488.26	\$595,749.00	\$6,255,364.50	
SY 2014*	\$5,242,387.48	\$68,398.30	\$229,476.20	\$297,874.50	\$5,957,490.00	
CY 2015	\$4,768,948.94	\$122,310.46	\$473,438.54	\$595,749.00	\$5,361,741.00	
CY 2016	\$4,283,600.46	\$110,400.52	\$485,348.48	\$595,749.00	\$4,765,992.00	
CY 2017	\$3,796,042.44	\$108,190.98	\$487,558.02	\$595,749.00	\$4,170,243.00	
CY 2018	\$3,294,288.03	\$93,994.59	\$501,754.41	\$595,749.00	\$3,574,494.00	
CY 2019	\$2,781,281.74	\$82,742.71	\$513,006.29	\$595,749.00	\$2,978,745.00	
CY 2020	\$2,255,221.09	\$69,688.35	\$526,060.65	\$595,749.00	\$2,382,996.00	
CY 2021	\$1,715,675.16	\$56,203.07	\$539,545.93	\$595,749.00	\$1,787,247.00	
CY 2022	\$1,152,304.72	\$32,378.56	\$563,370.44	\$595,749.00	\$1,191,498.00	
CY 2023	\$584,762.00	\$28,206.28	\$567,542.72	\$595,749.00	\$595,749.00	
CY 2024	\$0.00	\$10,987.00	\$584,762.00	\$595,749.00	\$0.00	
Totals		\$1,484,276	\$7,324,601	\$8,213,128		

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.

Position Classification

	Salary Range	FY 11	FY 12	FY 13	FY14	SY14
Executive Director	S	1	1	1	1	1
Pretreatment Coordinator	ı	0	0	0	0	1
Seasonal Admin Secretary - FTE = .25		1	1	1	1	1
Administrative Secretary	F	1	1	1	1	1
Totals		3	3	3	3	4
Senior Operator	L	1	1	1	1	1
Plant Operator I	ı	2	2	2	2	3
Plant Operator II	Н	0	0	0	0	0
Plant Operator III	G	0	0	0	0	0
Plant Operator IV	H	2	2	2	2	2
Operator-in-Training	E	0	0	0	0	0
Operator PT - FTE = 1.0	Ш	5	5	5	5	5
Wastewater Laboratory Technician		1	1	1	1	1
PT Laborer - FTE = .50	D	2	2	2	2	1
Totals		13	13	13	13	13
Senior Maintenance Mechanic	L	1	1	1	1	1
Maintenance Mechanic I	Ī	2	2	2	2	1
Maintenance Mechanic II	G	0	0	0	0	0
Maintenance Mechanic III	F	0	0 .	0	0	1
Totals		3	3	3	3	3
Senior Electrical Electronics Technician		1	1	1	1	1
Electronic Technician	J	1	1	1	1	1
Plant Electrician	J	1	1	1	1	1
Totals		3	3	3	3	3
Total Full Time Employees		14	14	14	14	16
Total PT/Seasonal Employees		8	8	8	8	7
Total Full Time Equivalent (FTE)		15.8	15.8	15.8	15.8	17.8

Glenbard Wastewater Authority
Salary Schedule - May 1, 2014 through December 31, 2014

			Ar	nualized						H	lourly	
Range		Min		Mid		Max			Min		Mid	 Max
SY14 Salary Schedule Adjustment = 1.00% Budgeted Merit Increase 2.0%												
Α	\$	35,339	\$	44,554	\$	53,664	;	\$	16.99	\$	21.42	\$ 25.80
В		37,066		46,779		56,347			17.82		22.49	27.09
С		38,938		49,109		59,238			18.72		23.61	28.48
D		40,872		51,584		62,130			19.65		24.80	29.87
Ε		42,931		54,142		65,312			20.64		26.03	31.40
F		45,094		56,867		68,598			21.68		27.34	32.98
G		47,382		59,696		72,010			22.78		28.70	34.62
Н		49,754		62,691		75,608			23.92		30.14	36.35
1		52,229		65,832		79,414			25.11		31.65	38.18
J		54,808		69,118		83,346			26.35		33.23	40.07
K		57,574		72,592		87,568			27.68		34.90	42.10
L		60,486		76,211		91,894			29.08		36.64	44.18
M		63,461		80,018		96,429			30.51		38.47	46.36
N		66,643		84,011		101,254			32.04		40.39	48.68
0		70,054		88,213		106,538			33.68		42.41	51.22
Р		73,549		92,622		111,779			35.36		44.53	53.74
Q		77,147		97,240		117,250			37.09		46.75	56.37
R		81,078		102,128		123,240			38.98		49.10	59.25
S		85,114		107,245		129,397			40.92		51.56	62.21

TABLE 1. TOTAL WASTWATER FLOWS AND PERCENTAGES FOR SY2014 BUDGET

	MONTH	TOTAL AREA METERS (MG)	GLEN ELLYN AREA (MG)	PERCENT OF TOTAL	LOMBARD AREA (MG)	PERCENT OF TOTAL
		005.050	100.004	50.000/	4.05.000	40.4004
	Jan-09	335.353	169.684	50.60%	165.669	49.40%
V	Feb-09 Mar-09	477.504 568.776	223.867	46.88%	253.637	53.12%
Y	Apr-09	587.062	285.076 276.928	50.12% 47.17%	283.700 310.134	49.88% 52.83%
e a	May-09	478.746	226.919	47.40%	251.827	52.60%
r	Jun-09	399.042	177.490	44.48%	221.552	55.52%
•	Jul-09	269.663	128.521	47.66%	141.142	52.34%
0	Aug-09	296.265	136.072	45.93%	160.193	54.07%
n	Sep-09	237.349	113.479	47.81%	123.870	52.19%
е	Oct-09	403.154	193.046	47.88%	210.108	52.12%
	Nov-09	354.662	172.282	48.58%	182.380	51.42%
	Dec-09	454.811	220.232	48.42%	234.579	51.58%
	Jan-10	409.125	199.156	48.68%	209.969	51.32%
	Feb-10	296.162	145.246	49.04%	150.916	50.96%
	Mar-10	542.883	249.942	46.04%	292.941	53.96%
Y	Apr-10	406.316	188.428	46.37%	217.888	53.63%
ė	May-10	456.696	217.035	47.52%	239.661	52.48%
a	Jun-10	570.984	256.903	44.99%	314.081	55.01%
r	Jul-10	454.092	226.720	49.93%	227.372	50.07%
	Aug-10	485.227	240.563	49.58%	244.664	50.42%
T	Sep-10	269.518	122.064	45.29%	147.454	54.71%
w	Oct-10	227.589	107.105	47.06%	120.484	52.94%
0	Nov-10	249.292	114.965	46.12%	134.327	53.88%
	Dec-10	288.979	138.183	47.82%	150.796	52.18%
	Jan-11	285.300	142.660	50.00%	142.640	50.00%
Υ	Feb-11	430.920	196.060	45.50%	234.860	54.50%
e e	Mar-11	527.500	245.450	46.53%	282.050	53.47%
а	Apr-11	566.000	261.960	46.28%	304.040	53.72%
r	Мау-11	476.910	225.060	47.19%	251.850	52.81%
	Jun-11	449.850	224.260	49.85%	225.590	50.15%
Т	Jul-11	341.000	165.980	48.67%	175.020	51.33%
h	Aug-11	331.590	157.770	47.58%	173.820	52.42%
r	Sep-11	259.180	119.150	45.97%	140.030	54.03%
е	Oct-11	254.960	121.640	47.71%	133.320	52.29%
e	Nov-11	328.590	150.590	45.83%	178.000	54.17%
	Dec-11	376.184	176.681	46.97%	199.503	53.03%
	Jan-12	365.415	171.128	46.83%	194.287	53.17%
V	Feb-12	316.518	152.713	48.25%	163.805	51.75%
Y	Mar-12	339.473	162.597	47.90%	176.876	52.10%
9	Apr-12	269.939	130.528	48.35%	139.411	51.65%
a r	May-12	303.295	144.740	47.72%	158.555	52.28%
•	Jun-12	221.502	106.729	48.18%	114.773	51.82%
F	Jul-12	251.263	110.964	44.16%	140.299	55.84%
0	Aug-12	232.703	104.770	45.02%	127.933	54.98%
u	Sep-12	214.256	100.230	46.78%	114.026	53.22%
r	Oct-12	248.615	112.922	45.42%	135.693	54.58%
	Nov-12	213.457	103.551	48.51%	109.906	51.49%
	Dec-12	267.340	124.430	46.54%	142.900	53.45%
	Jan-13	329.627	152.609	46.30%	177.018	53.70%
Υ	Feb-13	384.706	172.768	44.91%	211.938	55.09%
e	Mar-13	472.887	218.299	46.16%	254.588	53.84%
a	Apr-13	619.351	303.384	48.98%	315.967	51.02%
r	May-13	431.2	201.647	46.76% 45.01%	229.553	53.24%
	Jun-13	361.166 360.487	162.553	45.01% 45.10%	198.613	54.99% 54.00%
F	Jul-13	260.487 228.944	117.489	45.10%	142.998	54.90% 56.41%
i	Aug-13 Sep-13	228.944 229.706	99.808 100.114	43.59% 43.58%	129.136 129.592	56.41% 56.42%
V	Oct-13	258.677	108.512	41.95%	150.165	58.05%
е	Nov-13	306.145	134.647	43.98%	171.498	56.02%
	Dec-13	277.82	125.681	45.24%	152.139	54.76%
	AVERAGE	359.195	169.000	46.91%	190.196	53.09%

