

A photograph of a snowy landscape. In the foreground, there are several bare, dark trees with intricate branch structures. The ground is covered in a thick layer of white snow. In the middle ground, there are some snow-covered bushes and a small, dark evergreen tree. In the background, a large, dark building with a flat roof is visible, surrounded by more trees. The sky is overcast and grey.

CY2015 OPERATION, MAINTENANCE & CAPITAL PLAN

JANUARY 1 -
DECEMBER 31, 2015

Erik Lanphier
Executive Director
April, 2014



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: January 1, 2015 - December 31, 2015 Glenbard Wastewater Authority
Budget (CY2015)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) CY2015 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 CY2015 partner allocation shows an overall increase of \$671,025 or 10% compared to the approved FY2014 budget. The budget reflects a substantial capital improvement plan with the completion of the Valley View Lift Station, the Facility Improvement Plan Construction which includes Raw Pumping, Sand Filters and Underground Utility Improvements. There is a couple of moderate size projects listed within the Infrastructure Improvement portion of the budget as well. The Facility Improvements Plan expenses are scheduled to be offset with a loan through the IEPA Clean Water Initiative supported by Governor Quinn. The proposed budget includes funding that will assure continued plant operation that exceeds regulatory standards resulting in improved water quality of the East Branch of the DuPage River.

BACKGROUND

REGIONALIZATION -- The Illinois Pollution Control Board required regionalization of wastewater treatment facilities in 1974 by creating Facility Planning Areas (FPA). The Glenbard FPA, Region IV-B, originally contained 14,000 acres or 22 square miles and has been amended several times by Glen Ellyn and Lombard and now appears to contain approximately 14,157 acres or 22 ¼ square miles. Recommendations for FPA amendments are made to the Villages by the EOC and are usually done to add small adjacent areas. On occasion small adjacent areas are lost to other FPA's. As of April 2014 the Glenbard FPA contains a population equivalent (P.E.) of 103,802 which is an increase of 124 (P.E.) from May 1, 2013. 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.

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

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

The Glenbard Advanced Wastewater Treatment Facility is 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.

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

Discharge Elimination System (NPDES) permit, regulates the discharge parameters.

AUTHORITY ORGANIZATION

AUTHORITY BOARD - The Board of Trustees from the Villages of Lombard and Glen Ellyn govern the Authority. The primary tasks of the Authority Board are to approve an annual budget and audit. Other major responsibilities are to amend the 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.

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

PERSONNEL – The day-to-day operation of the facilities is overseen by the Authority's Executive Director who is appointed and approved by the Executive Oversight Committee. A preliminary budget allotment of 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 proposed to be the first Calendar Year (CY) budget utilized. 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:

	Estimated FY2014	Budgeted SY2014	Proposed CY2015
Division			
270 - Glenbard Plant	\$3,759,700	\$2,844,700	\$3,996,450
SRI L.S			
Sunnyside L.S			
270-1 - Stormwater Plant	104,500	81,225	106,700
Hill Ave. L.S			
270-2 - N. Reg. Int.	18,750	24,300	30,000
St. Charles Rd. L.S			
270-3 - S. Reg. Int.	15,500	9,700	13,500
Valley View L.S			
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	\$3,898,450	\$2,959,675	\$4,146,650

Cash Reserves / Working Cash

FY2013/14

Cash Reserves at April 30, 2013	<u>1,764,542</u>	
FY2013 Surplus Distribution	<u>(376,649)</u>	
FY2014 Projected Surplus/(Deficit)	<u>4,450</u>	
Projected Cash Reserves at April 30, 2014	<u>1,392,343</u>	
Less: Estimated Encumbrances at April 30, 2014	<u>-</u>	
Projected Working Cash at April 30, 2014	<u>1,392,343</u>	
Less: FY2014 Required Minimum Working Cash	<u>(1,009,756)</u>	*
Projected Working Cash Surplus at April 30, 2014	<u><u>382,587</u></u>	

SY14

Projected Cash Reserves at April 30, 2014	<u>1,392,343</u>	
SY2014 Projected Surplus/(Deficit)	<u>-</u>	
Projected Cash Reserves at December 31, 2014	<u>1,392,343</u>	
Less: Estimated Encumbrances at December 31, 2014	<u>-</u>	
Projected Working Cash at December 31, 2014	<u>1,392,343</u>	
Less: SY2014 Required Minimum Working Cash	<u>(739,919)</u>	**
Projected Working Cash Surplus at December 31, 2014	<u><u>652,424</u></u>	

CY15

Projected Cash Reserves at December 31, 2014	<u>1,392,343</u>	
CY2015 Projected Surplus/(Deficit)	<u>-</u>	
Projected Cash Reserves at December 31, 2015	<u>1,392,343</u>	

Less: Estimated Encumbrances at December 31, 2015	-
Projected Working Cash at December 31, 2015	<u>1,392,343</u>
Less: CY2015 Required Minimum Working Cash	<u>(1,036,663)</u> ***
Projected Working Cash Surplus at December 31, 2015	<u><u>355,680</u></u>

* 25% of FY2014 Operating Expenses of \$4,039,025

** 25% of SY2014 Operating Expenses of \$2,959,675

*** 25% of CY2015 Operating Expenses of \$4,146,650

The six most significant cost centers in the proposed CY2015 O&M budget are as follows:

1. **Personnel:** The CY2015 proposed GWA team level is at 17.8 full time equivalents (FTE). Personnel costs for the past nineteen years of full time equivalent staff are shown below. SY14 figures indicate expenses for only 8 months due to transitioning to a calendar year in 2015. The figures are indicative of the efficiencies realized through the elimination of multiple shifts, automation and monitoring, and other optimization measures:

	<u>Budget</u>	<u>Actual</u>	<u>FTE</u>
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	\$1,066,800	17.8 (Estimated)
CY15	\$1,555,700		17.8 (Budgeted)

2. **Utilities:** 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.

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)
CY15	\$801,250 (Budgeted)

3. **Support Services:** The following are budgeted as support for each of the specific disciplines; Operations, Maintenance, Maintenance Building and Grounds, and Electrical. The SY2014 support budgets are an estimated cumulative amount of \$278,050 and the CY2015 budget is proposed at a cumulative amount of \$376,900. 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 \$250 per year for elevator inspections to \$114,000 per year for flow metering, data analysis, and meter maintenance fees.
4. **Maintenance:** Expenses are budgeted in the amount of \$171,200. 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. **Sludge (Biosolids) Disposal-Land Applied:** Expenses are budgeted in the amount of \$180,000. 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. **Chemical Costs:** Expenses are budgeted in the amount of \$95,000 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.

	Estimated FY2014	Budgeted SY2014	Proposed CY2015
Fund 40 – Equip. Replacement			
Debt Payment	\$1,050,000	\$ 714,000	\$ 786,000
Project Expenses	<u>\$2,016,000</u>	<u>\$3,937,000</u>	<u>\$10,732,000</u>
Total	\$3,066,000	\$4,651,000	\$11,518,000

Proposed CY2015 capital expenses of \$11,518,000 are 40% or \$6,867,000 higher than the SY2014 estimated capital expenses. The increase reflects the completion of the Valley View Lift Station project as well as construction phase engineering and construction for the Facility Improvements Plan per the Equipment Replacement Plan presented to you within the Capital Equipment Replacement Fund 40 Footnotes. Of significant note, the Facility Improvement Project is projected to be completed as part of a project through the Governors Clean Water Initiative Funding of the IEPA loan program. This funding will require additional support at a later date from both the member Villages.

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 CY2015 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. This is the same allocation figure utilized for SY2014 due to the change from fiscal year to calendar year budgeting. The true ups during the budget year will adjust the member portions in the same way as they would if we had current five year data from calendar year 2014 to add into the five year average.

The CY2015 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 FY2014	Budgeted SY2014	Proposed CY2015
Village of Lombard	\$3,498,849	\$2,580,743	\$3,884,098
Village of Glen Ellyn	<u>\$3,240,176</u>	<u>\$2,336,632</u>	<u>\$3,525,952</u>
Total	\$6,739,025	\$4,917,375	\$7,410,050

The overall contribution by the two Villages has increased by \$671,025 or 9.1% more than the FY2014 budget. The allocation to the Villages that support the O&M portion of the budget is \$4,143,050. The allocation to the Villages for support of the proposed Capital Fund is \$3,267,000.

CONCLUSION

The total proposed CY2015 budget and comparisons are as follows:

	Estimated FY2014	Budgeted SY2014	Proposed CY2015
O&M	\$3,898,450	\$2,959,675	\$4,146,650
Capital	<u>\$3,066,000</u>	<u>\$4,651,000</u>	<u>\$11,518,000</u>
Total	\$6,964,450	\$7,610,675	\$15,664,650

Respectfully Submitted,



Erik Lanphier
Executive Director
Glenbard Wastewater Authority

Glenbard Wastewater Authority
 Budget CY2015
 All Funds
 Expense Allocation to Partners

APPROVED FY2014 EXPENSES ALLOCATED TO PARTNERS				
		LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.		2,035,255	1,848,820	3,884,075
270-1 -- Stormwater Plant / Hill Ave L.S.		60,260	54,740	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	10,800
TOTAL O&M BUDGET		2,116,449	1,922,576	4,039,025
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
FY2014 BUDGET OVER (UNDER)		(73,661)	(66,914)	(140,575)
PROPOSED CY2015 PARTNERS ALLOCATION				
		LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.		2,199,960	1,943,090	4,143,050
270-1 -- Stormwater Plant / Hill Ave L.S.				
270-2 -- North Reg. Int. / St. Charles Rd. L.S.				
270-3 -- South Reg. Int. / Valley View L.S.				
TOTAL O&M BUDGET		2,199,960	1,943,090	4,143,050
CAPITAL EQUIPMENT REPLACEMENT FUND		1,684,139	1,582,862	3,267,000
TOTAL O&M AND CAPITAL BUDGETS		3,884,098	3,525,952	7,410,050
Proposed CY2015 Partners Allocation Compared to Approved Expenses Allocated to Partners FY2014:				
Operation & Maintenance	\$	\$83,511	\$20,514	\$104,025
	%	3.9%	1.1%	2.6%
Capital Improvements	\$	\$301,739	\$265,262	\$567,000
	%	21.8%	20.1%	21.0%
Total O&M and Capital Budgets	\$	385,249	285,776	671,025
	%	11.0%	8.8%	10.0%

Glenbard Wastewater Authority Budget CY2015 Operations & Maintenance					
SUMMARY BY DIVISION					
Expense Allocation to Partners REVENUES	Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Div. 270 -- Glenbard Wastewater Authority	3,544,100	4,036,525	2,957,175	2,957,175	4,143,050
Interest O&M Fund	3,705	3,600	2,500	2,500	3,600
Miscellaneous Revenue	4,909	0	0	0	0
Div. 271 -- Stormwater Plant	217,100	0	0	0	0
Div. 272 -- North Reg. Int.	53,450	0	0	0	0
Div. 273 -- South Reg. Int.	58,650	0	0	0	0
Div. 274 -- St.Charles L. S.	81,160	0	0	0	0
Div. 275 -- Valley View L.S.	23,900	0	0	0	0
Div. 276 -- SRI L.S.	4,700	0	0	0	0
Div. 277 -- Sunnyside L.S.	3,350	0	0	0	0
Total Revenues	3,995,024	4,040,125	2,959,675	2,959,675	4,146,650
EXPENSES	Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	3,196,478	3,759,700	2,844,450	2,844,450	3,996,450
270-1 -- Stormwater Plant / Hill Ave L.S.	184,134	104,500	81,225	81,225	106,700
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	49,087	18,750	24,300	24,300	30,000
270-3 -- South Reg. Int. / Valley View L.S.	34,284	15,500	9,700	9,700	13,500
Div. 274 -- St. Charles Rd. L.S.	67,662	0	0	0	0
Div. 275 -- Valley View L.S.	19,567	0	0	0	0
Div. 276 -- SRI L.S.	4,050	0	0	0	0
Div. 277 -- Sunnyside L.S.	958	0	0	0	0
Total O&M Expense:	3,556,220	3,898,450	2,959,675	2,959,675	4,146,650
Village of Glen Ellyn O&M Expenditures	1,685,648	1,855,662	1,388,088	1,388,088	1,944,779
Village of Lombard O&M Expenditures	1,870,572	2,042,788	1,571,587	1,571,587	2,201,871
INCOME GAIN (LOSS)	438,804	141,675	0	0	0
Use of Available Cash					

Glenbard Wastewater Authority SY2014 Total Budget					
	Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Operations & Maintenance	\$3,556,220	\$3,898,450	\$2,959,675	\$2,959,675	\$4,146,650
Capital Costs (Expenses & Debt Repayment)	\$2,271,694	\$3,066,000	\$4,651,000	\$4,651,000	\$11,518,000
TOTAL	\$5,827,914	\$6,964,450	\$7,610,675	\$7,610,675	\$15,664,650

**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 CY2015

Operations & Maintenance

Division 270

Expense Allocation to Partners

REVENUE

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Operation/Maintenance						
450010	Glen Ellyn Share - 46.90%	1,658,205	1,921,386	1,386,915	1,388,088	1,943,090
450015	Lombard Share - 53.10%	1,885,895	2,115,139	1,570,260	1,571,587	2,199,960
	Partners Allocation	3,544,100	4,036,525	2,957,175	2,959,675	4,143,050
	Interst Income - O&M Fund	3,705	3,600	2,500	2,500	3,600
	Misc. Revenue	4,909	0	0	0	0
DIVISION 270		3,547,805	4,040,125	2,959,675	2,962,175	4,146,650

NOTE: The flow splits used to calculate partner payments for CY2015 are as follows:
 Flow Split for Glen Ellyn: 46.90%
 Flow Split for Lombard 53.10%
 (for 5 yrs. Average ending 12/31/13)

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)

NOTE: 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)

NOTE: 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)

Flow % utilized for CY2015 represent the same % as SY2014. This will be trued up as the calendar year progresses and actual flow data is provided. The 5 year flow % averages are only utilized as a budget guideline.

Budget CY2015

Operations and Maintenance

Division 270

Expense Allocation to Partners

Footnotes

EXPENSES

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Personnel Services						
510100	Salaries - Regular	1	998,715	1,083,000	820,000	1,192,000
510110	Salaries - Part-Time Ops.	2	51,891	54,000	35,000	52,000
510200	Salaries - Overtime	3	40,480	54,000	36,800	50,000
510300	Salaries - Temporary/Seasonal		11,237	15,000	16,000	25,000
510400	FICA		80,422	88,000	61,000	91,200
510500	IMRF	4	124,214	139,600	98,000	145,500
510600	State Unemployment Tax		0	0	0	0
	Total		1,306,959	1,433,600	1,066,800	1,555,700
Contractual Services and Commodities						
520305	Employee Recognition		1,000	1,000	1,000	1,000
520600	Dues/Subs./Fees		10,652	14,000	15,000	15,000
520615	Recruiting/Testing		0	0	1,000	0
520620	Employee Education	5	8,735	12,000	30,500	28,500
520625	Travel (Mileage)		0	200	250	500
520700	Pro. Serv.-Legal	6	1,288	10,000	6,500	10,000
520750	Legal Notices		263	500	500	500
520775	Regulatory Fees		52,500	53,000	55,000	55,000
520776	DuPage River Salt Creek Work Group	7	21,238	22,500	23,000	23,500
520806	Pro. Serv.-Lab		24,025	24,500	16,400	27,000
520816	Design Engineering	8	3,875	10,000	20,000	20,000
520825	Audit Fees / Pro. Serv. - Acct.	9	12,900	13,200	15,000	10,000
520835	Bank Charges		150	0	0	0
520885	Insurance - Liability	10	151,963	214,000	226,000	237,000
520895	Insurance - Health	11	191,678	209,000	135,000	216,000
520970	Maint. - Bldg. & Grds.		15,074	16,000	11,900	17,200
520971	Bldg. & Grounds - Support		41,851	61,000	42,300	61,000
520975	Maint. - Equipment		49,840	55,000	39,700	60,000
520976	Maint. - Support	12	70,056	59,000	69,800	87,100
520980	Maint. - Electronics		91,539	90,000	60,700	94,000
520981	Elect. - Support	13	38,665	146,000	144,500	194,900
520990	Operations - Supplies		7,268	5,000	5,900	10,000
520991	Operations - Support		31,637	30,000	21,450	33,900
521130	Overhead Fees	14	117,200	125,200	84,000	126,500
521150	Sludge Disposal - Land Applied	15	111,371	230,000	125,000	180,000
521195	Telecommunications		46,136	65,000	51,500	76,250
521201	Electric Power	16	588,983	640,000	423,000	630,000
521202	Natural Gas	17	50,863	50,000	34,000	50,000
521203	Water		39,855	38,000	25,000	40,000
521204	Self-Gen Gas		4,556	5,000	3,500	5,000
530100	Office Expenses		19,839	22,000	13,000	20,000
530106	Operating Supplies - Lab		9,838	15,000	11,000	16,000
530200	Administrative Purchases		0	4,000	2,400	3,500
530225	Safety		18,240	18,000	13,300	19,400
530440	Chemicals	18	51,875	62,000	43,550	65,000
530445	Uniforms		4,566	6,000	7,000	7,000
	Total		1,889,519	2,326,100	1,777,650	2,440,750
TOTAL DIVISION 270						
			3,196,478	3,759,700	2,844,450	3,996,450

CY2015 DIVISION 270 O&M FOOTNOTES

(1) **SALARIES (\$1,192,000):**

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 17.8 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 FTE compared to FY2014.

(2) **SALARIES - PART-TIME OPERATORS (\$52,000):**

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 (\$50,000):**

This represents a \$5,000 reduction compared to FY2014. GWA continues to trend overtime and manage this expense with best management practices in mind.

(4) **IMRF (\$145,500):**

This represents a \$5,900 increase compared to the FY2014 budget number of \$139,600.

(5) **EMPLOYEE EDUCATION (\$28,500):**

The employee education line item this year includes but not limited to the following:

WEF Technical Conference	\$2,000
Cryo Training reallocated from Ops Support	\$5,000
Hach Wimms Database Training	\$6,000
College Reimbursement	\$7,000

(6) **PROFESSIONAL SERVICE LEGAL (\$10,000):**

Legal services remains the same as the approved FY2014 budget number due to the currently unresolved NPDES permit renewal and the NRI Prairie Path pilings into the NRI.

(7) **DUPAGE RIVER SALT CREEK WORK GROUP (\$23,500):**

The increase in the work group dues is a direct correlation to the IEPA. 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) AUDIT FEES (\$10,000):

For the first (1st) year in seven (7) consecutive years the audit will be \$5,000 less than normal as the single audit is no longer required for the IEPA Digester Project loan.

(10) INSURANCE LIABILITY (\$237,000):

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 CY2015 and an excess liability policy. This Line item is a \$11,000 increase compared to the SY2014 budget number of \$226,000. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.

(11) INSURANCE HEALTH (\$216,000):

Health care is provided through the Village of Glen Ellyn insurance plan. This line item reflects a 5% increase over the twelve (12) month budget number of \$205,000 calculated to figure the eight (8) month SY2014 budget of \$135,000.

(12) MAINTENANCE SUPPORT (\$87,100):

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 CY2015 are:

Digester Boiler Preventative Maintenance Costs	\$5,400
Miscellaneous Equipment Maintenance	\$9,300
Vehicle Maintenance (Provided by VGE) Costs	\$40,040

(13) ELECTRICAL SUPPORT (\$194,900)

This line item reflects an increase in CY2015 compared to FY2014 budgeted number of \$184,775. The increase indicates the addition of the fire alarm system monitoring change and the Midco telephone service agreement along with the modest increase in cost to the ADS flow metering contract.

(14) OVERHEAD FEES (\$126,500):

Overhead fees have been increased based off of the Chicago Metro CPI calculation of .5%. The 5% increase is based off of the SY2014 12 month number of \$125,800.

(15) SLUDGE DISPOSAL FEES (180,000):

Sludge disposal fees have been calculated based off of FY2013 and FY2014 actual and estimated budget numbers.

(16) ELECTRIC POWER (\$630,000):

The Authority is currently in our last year of a three (3) year agreement which began in FY2013 with Direct Energy for a Fixed Fee of \$.03999/KWH. Our power consumption is directly impacted by wet weather conditions impacting our facilities. The Authority will be negotiating another 3 year contract in the winter of 2014.

(17) NATURAL GAS (\$50,000):

The Authority is currently in our last year of a three (3) year agreement which began in FY2013 with Integrys Energy for a Fixed Fee of \$.363/therm. Previously we were paying \$.478/therm which calculates into a 24% savings annually. The Authority will be negotiating another 3 year contract in the winter of 2014.

(18) CHEMICALS (\$65,000):

Chemicals used in the daily operation of the plant are included in this section at expected levels consistent with our recent history. Different chemicals are used for sludge dewatering, odor control, acid wash, and mineral deposition throughout the plant. Polymer production costs continue to increase annually due to the product being petroleum based.

**Glenbard Wastewater Authority
CY2015 Personnel Budget
Division 270 -- 510100-510500**

Item		Recommendations	SY14 Budgeted	CY15 Budgeting
510100	Salaries - Regular		820,000	1,192,000
510110	Part - Time Operations	1.0 Full Time Equivalent	35,000	52,000
510200	Laboratory Overtime		1,300	2,000
510200	Ops. Reg. Overtime		2,000	3,000
510200	High Flow Overtime		2,000	3,000
510200	Ops. Call-In Overtime		10,000	10,000
510200	Ops. SCADA Monitoring Overtime		13,500	20,000
510200	Maint. Regular Overtime		2,700	4,000
510200	Maint. Call-In Overtime		1,300	2,000
510200	Elec. Reg. Overtime		2,700	4,000
510200	Elec. Call-In Overtime		1,300	2,000
510300	Part Time Labor	.50 Full Time Equivalent	16,000	25,000
			<hr/>	<hr/>
			Salaries Regular, PT Ops & Seasonal	1,269,000
			Salaries Overtime (3)	50,000
			<hr/>	<hr/>
			Salaries	907,800
510400	FICA		61,000	91,200
510500	IMRF (4)		98,000	145,500
510600	State Unemployment Tax		0	0
			<hr/>	<hr/>
			Personnel Services	\$1,066,800
				\$1,555,700

**Glenbard Wastewater Authority
CY2015 Recognition/Awards Budget
270 520305**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Recognition/Awards	Miscellaneous (Manager's Discretion)	1,000		1,000	
Total			\$1,000		\$1,000

Glenbard Wastewater Authority
CY2015 Dues/Fees/Subscriptions Budget
270 520600

Item	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Dues/Fees/Subs.	Water Environment Federation - Memberships	1,100		1,100	
	WEF - Publications	400		400	
	NACWA	5,500		5,500	
	IAWA	7,000		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	
			\$15,000		\$15,000

Glenbard Wastewater Authority
CY2015 Recruit/Test Budget
270 520615

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Recruiting/Testing	Chicago Tribune				
	Daily Herald	1000		0	
	Coply Newspapers				
	Liberty Publicatons (Glen Ellyn News)				
	WEF				
	OMNI - Employment Physicals				
		<hr/>		<hr/>	
			1000		0

**Glenbard Wastewater Authority
CY2015 Employee Training/Education Budget
270 520620**

		SY14 Budgeted	CY15 Budgeting
Administration	Employee Education - Administration		
	WEFTEC --		
	CSWEA, IWEA, IAWA Conferences	2,000	1,000
	Hach Wimmis Database Training	2,000	2,000
	College Reimbursement	10,000	6,000
Operations		3,500	3,500
	Employee Education - Operations (5 Operators)		
	WEFTEC --		
	Misc Tech Seminars	0	1,000
	College Reimbursement	500	1,000
	Cryo System Training	3,500	3,500
Maintenance		5,000	5,000
	Central States WEA, IAWA State Conferences	400	400
	Employee Education - Maintenance		
	WEFTEC --		
	Facilities Maintenance Show -- 3 Maint Mech (Chicago)	0	0
	Maintenance Based Courses/Seminars	100	100
Electrical		500	500
	IPSI - Illinois Public Sector Institute Training - J. Dahlberg Year 1 of 3 year training program	500	500
	Misc Tech Seminars		
		500	500
	Employee Education - Electrical		
Lab	WEFTEC --		
	ISPI - Illinois Public Sector Institute Training - Rick Year 3 of 3 year training program.	0	0
	Facilities Maintenance, ISA Shows -- R. Freeman, P. Dziewior & J. Solita (Chicago)	1,500	1,500
		500	500
	Employee Education - Laboratory		
	Misc Tech Seminars		
		500	500
		\$30,500	\$28,500

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
CY2015 Mileage Reimbursement Budget
270 520625**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Travel	Travel for Seminars/Training Manufacturing Trade Shows I-Pass	250		500	
		<hr/>		<hr/>	
				\$250	\$500

Glenbard Wastewater Authority
CY2015 Pro. Svc. Legal Budget
270 520700

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Pro. Svc. Legal	Contracted Legal Assistance	6,500		10,000	
Total			\$6,500		\$10,000

Glenbard Wastewater Authority
CY2015 Legal Notices
270 520750

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Legal Notices	Chicago Tribune				
	Daily Herald	500		500	
		<hr/>		<hr/>	
			\$500		\$500

**Glenbard Wastewater Authority
CY2015 Regulatory Fees
270 520775**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Glenbard Plant	IEPA Regulatory Fees associated with the NPDES permit and sludge disposal permit as legislated by State.	55,000		55,000	
		<hr/>		<hr/>	
				\$55,000	\$55,000

**Glenbard Wastewater Authority
CY2015 DuPage River Salt Creek Work Group Commitment
270 520776**

Recommendation		SY14 Budgeted	Total	CY15 Budgeting	Total
GWA	Workgroup Membership Dues	23,000		23,500	
<p>Based on the approval of TMDL (Total Max. Daily Load) reports which address the water quality of the local streams and rivers relative to their Dissolved Oxygen and Chloride Levels, the IEPA has directed all wastewater treatment facilities in DuPage County to reserve funds for the efforts to improve water in Salt Creek and the East/West Branches of the DuPage River. This proposed funding is based on Work Group method established on January 26, 2005 and represents Contribution for the Glenbard Wastewater Authority by Million Gallons per Day.</p> <p>The Work group research has found that habitat improvement is showing positive signs after multiple dam removal efforts. DRSCWG is working with the IEPA to help promote scientific data for improved watershed quality,</p>					
			<u>\$23,000</u>		<u>\$23,500</u>

**Glenbard Wastewater Authority
CY2015 Prof. Svc. Lab. Budget
270 520806**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Cont. Testing	Suburban Laboratories (Metals)	10,000		16,000	
	Additional Monthly Metals Testing	3,400		6,000	
	Additional Monthly Sludge Fecal Testing	3,000		5,000	
			\$16,400		\$27,000

Glenbard Wastewater Authority
CY2015 Prof. Svc. Eng. Budget
270 520816

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Pro. Serv. Engr.	Engineering Fees - Contracted	20,000		20,000	
		<hr/>		<hr/>	
				\$20,000	\$20,000

Glenbard Wastewater Authority
CY2015 Prof. Svc. Acct. Budget
270 520825

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Pro. Svc. Acct.	Contracted Audit/Accnt. Fees	15,000		10,000	
		<hr/>		<hr/>	
				\$15,000	\$10,000

Glenbard Wastewater Authority
CY2015 Ins-Liab Budget
270 520885

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Ins.-Liability	Fees for Workmans Comp Liability Coverage	151,000		158,000	
	Fees for Property Portion Liability Coverage	75,000		79,000	
		\$226,000		\$237,000	

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

Total Liability Insurance Amount: \$237,000 is a 5% increase over SY2014.

**Glenbard Wastewater Authority
CY2015 Health Insurance Fees Budget
270 520895**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Ins. - Health	Fees for Employee Health Insurance Coverage	135,000		216,000	
			\$135,000		\$216,000

Total Health Insurance Amount: \$216,000

Total Health Insurance Amount for SY2014 was \$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 have been \$205,000.

\$216,000 reflects a 5% increase over the \$205,000 12 month number indicated above.

**Glenbard Wastewater Authority
CY2015 - Buildings and Grounds Budget
Maintenance
270 520970**

Description	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
GWA Building/Grounds	Janitorial Supplies for Custodians	1,700		2,500	
	Door/Lock/Misc Repairs	2,000		2,500	
	Bldg./Equipment. Painting Supplies (Non-Contract)	3,300		4,500	
	Misc. Repair Parts	700		1,000	
	*Window Repairs	0		0	
	Mulch	1,400		2,000	
	Planting Beds	800		1,200	
	Topsoil	2,000		3,500	
			\$11,900		\$17,200

* Removed and added as a small capital item.
Windows do not get repaired they get replaced.

Glenbard Wastewater Authority
CY2015 - Buildings and Grounds - Support Budget
Maintenance
270 520971

DESIGNATION	RECOMMENDATIONS	SY14 Budgeted	Total	CY15 Budgeting	Total
Glenbard Plant	Roofing Systems Survey	4,500		4,500	
	Contractor Door/Lock Repairs	2,000		3,000	
	Spoil Removal	1,000		1,500	
	Shop Towel Service	1,100		1,600	
	Fire Extinguisher Service/Repairs	1,700		2,500	
	Elevator Services/Repairs	1,200		1,800	
	Elevator Press Tests	400		500	
	Elevator Inspections	300		250	
	Landscape Maintenance	11,000		16,000	
	Pest Control	500		850	
	Tru-Green Chemlawn - Turf/Shrub Disease Control	3,500		5,200	
	Contracted Window Repairs	1,500		2,000	
	Contracted Janitorial Service	11,000		18,000	
	Unanticipated Contracted Building/Grounds Repairs	1,600		2,300	
	Admin Window Cleaning Contract	1,000		1,000	
			\$42,300		\$61,000

Glenbard Wastewater Authority
CY2015 Equipment Maintenance Budget
270 520975

Building	Designation	SY14 Budgeted	CY15 Budgeting
A	Bar Screen	200	300
B	Raw Pump	900	1,200
C	Grit Removal	600	600
D	Primary Pump	800	1,100
E	Primary Scum	3,600	5,300
F	Unox	3,400	6,700
H	Screw Pump	1,000	1,500
I	Final Clarifiers	100	200
L	Sand Filter	500	1,100
N	Warehouse	1,300	2,200
T	CRAS	500	1,100
P	Press	6,600	9,800
Q	Cryo.	3,100	4,500
R	Administration	800	1,300
S	Maint. Garage	400	500
	Electrical Shop	100	100
U	Digester	900	1,900
V	Co-Gen	1,000	1,200
	Miscellaneous	13,900	19,400
TOTAL		\$39,700	\$60,000

Glenbard Wastewater Authority
CY2015 Maintenance Budget
270 520975

Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Bar Screen				
Washer Solenoid Parts	200		300	
		\$200		\$300
Raw Pump				
Parco Oil	600		900	
Wetwell Lid Rings (Plant-Wide Usage)	300		300	
		\$900		\$1,200
Grit				
Oil and Grease	400		400	
Blower Drive Belts	200		200	
		\$600		\$600
Primary Pump				
Compressor Filters	100		100	
Pump Parts	500		800	
Oil and Grease	200		200	
		\$800		\$1,100
Primary Scum				
Odor Control Parts	2,000		3,000	
Pump Parts	1,400		2,000	
Compressor Filters/Oil	200		300	
		\$3,600		\$5,300
Unox				
Unox Control System Parts/Misc. Parts	300		400	
Emergency Repair Parts	1,400		3,000	
Seal Antifreeze	300		300	
Mixer Oil	1,400		3,000	
		\$3,400		\$6,700

Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Screw Pump				
V-Belts	800		1,100	
Grease	600		900	
Drive Oil	400		600	
		<u>\$1,000</u>		<u>\$1,500</u>
Final Clarifiers				
Grease	100		200	
		<u>\$100</u>		<u>\$200</u>
Sand Filter				
Valve Repair	200		500	
Filter Sand Sieve Analysis	200		400	
Oil Sep. Cartridge for Air System	100		200	
		<u>\$500</u>		<u>\$1,100</u>
Warehouse				
Shelving Rehab	1,300		2,200	
		<u>\$1,300</u>		<u>\$2,200</u>
CRASS				
Check Valve Pump Parts	400		1,000	
Filters	100		100	
		<u>\$500</u>		<u>\$1,100</u>
Press				
Press Belt Set (1)	6,000		9,000	
Press Seal	600		800	
		<u>\$6,600</u>		<u>\$9,800</u>

Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Cryo				
Oil and Filters	600		900	
Misc. Parts	500		800	
Replacement PRV's	900		1,300	
RHX Jamesburry/Valve Rehabs	700		1,000	
Emergency Repair/Parts	400		500	
		3,100		\$4,500
Admin				
Lavatory Repair Parts	300		500	
Washer/Dryer Parts	500		800	
		800		\$1,300
Maintenance Garage				
Torch Gas/Welding Supplies	400		500	
		400		\$500
Electric Shop				
Compressor Filters	100		100	
		100		\$100
Digester Repairs				
Boiler Parts	400		900	
Gas Safety Equipment Repairs	500		1,000	
		900		\$1,900
Co-Gen				
V-Belts, Coolant	1,000		1,200	
		1000		\$1,200

Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Misc. Supplies				
Paints/Supplies	1,700		2,000	
Replacement Tools	1,000		1,500	
Oil Analysis	500		800	
Radio Repair/Batteries	1,000		1,500	
Hardware -- Bolts/Nuts/Drills/Taps	2,700		3,600	
Parts Repair Shipping Costs (Freight)	800		2,000	
Portable Pump Hose Replacements	800		1,400	
Vacuum Hose Replacment	1,500		1,300	
Hardware -- PVC Piping	400		400	
Hardware -- Galvanized Piping	600		800	
Misc. Valves/Repair Clamps	800		1,200	
Manhole Repair Parts	700		1,000	
Unanticipated Equipment Repair Parts	1,400		1,900	
		\$13,900		\$19,400
TOTAL		\$39,700		\$60,000

Glenbard Wastewater Authority
CY2015 Equipment Maintenance - Support Budget
270-520976

Building	Designation	SY14 Budgeted	CY15 Budgeting
B	Raw Pump	0	0
D	Primary Pump	0	0
	Primary Scum	0	0
L	Sandfilters	0	0
Q	Cryo - Annual Maintenance	27,000	27,000
R	Administration	400	400
S	Maint. Garage	2,400	3,300
	Electric Shop	200	200
U	Digester	5,400	5,400
V	Co-Gen	100	100
	Intermediate Clarifiers	200	200
T	CRAS	500	800
	Miscellaneous	6,300	9,300
	Vehicle Maintenance (Village)	27,300	40,400
TOTAL		\$69,800	\$87,100

**Glenbard Wastewater Authority
CY2015 Maintenance - Support Budget
270 520976**

Recommendations		SY14 Budgeted	Total	CY15 Budgeting	Total
Corings/Parts	Bar Screen	0	\$0	0	\$0
	Raw Pumps	0	\$0	0	\$0
	Grit	0	\$0	0	\$0
Corings/Parts	Primary Pump	0	\$0	0	\$0
	Primary Scum	0	\$0	0	\$0
	Unox	0	\$0	0	\$0
	Screw Pump	0	\$0	0	\$0
	Finals	0	\$0	0	\$0
	Pump/Meter	0	\$0	0	\$0

Recommendations		SY14 Budgeted	Total	CY15 Budgeting	Total
Thickener					
		0		0	
			\$0		\$0
Sand Filter					
HVAC Duct Repair		0		0	
			\$0		\$0
Warehouse					
		0		0	
			\$0		\$0
UV					
		0		0	
			\$0		\$0
Press					
		0		0	
			\$0		\$0
Cryo					
Routine Annual Maintenance Turnaround		27,000		27,000	
			\$27,000		\$27,000
Admin					
Washer/Dryer Maintenance		400		400	
			\$400		\$400
Maintenance Garage					
Safety Klean Parts Service		1,700		2,500	
Torch Gas Cylinder Lease		300		300	
Miscellaneous		400		500	
			\$2,400		\$3,300
Elec. Shop					
Boiler Repairs		200		200	
Boiler Certification Inspections		0		0	
			\$200		\$200

Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Digester				
Boiler Repairs	400		400	
Boiler Tuneup/Inspection/Cleaning/Repairs	4,500		4,500	
Boiler Certification Inspections	500		500	
		\$5,400		\$5,400
Co-Gen				
Patten - Engine Service	100		100	
		\$100		\$100
Intermediate Clarifiers				
Repairs, Grease	200		200	
		\$200		\$200
CRAS				
Pump Repairs	500		800	
		\$500		\$800
General Maintenance				
Overhead Crane Inspection/Repairs	1,500		2,300	
State Boiler/Pressure Vessel Certifications	600		800	
Elevator Service	600		900	
Elevator Inspections - Lombard	300		400	
RPZ Cross Connection Inspections - Lombard	300		400	
RPZ Inspections	600		800	
4" & 8" Portable Pump Repairs	800		1,200	
Snowthrower Equipment Repairs	300		500	
Electric Powered Tool Repairs	500		800	
Unanticipated Contracted Equipment Repairs	800		1,200	
Miscellaneous Total		6,300		9,300
Vehicle Maintenance Services (Provided by Village of Glen Ellyn)	27,300		40,400	
		\$27,300		\$40,400
Total		\$69,800		\$87,100

Glenbard Wastewater Authority
CY2015 Maintenance Electronics Budget Details
270 520980

Building	Designation	SY14 Budgeted	CY15 Budgeting
A	Bar Screen	2,900	3,900
B	Raw Pumps	10,200	14,900
C	Grit	2,300	3,050
D	Primary Clarifier	400	500
E	Primary Pump	1,800	2,750
F	Unox Deck	3,500	5,150
G	ATAD	700	800
H	Screw Pump	1,500	2,250
I	Final Clarifier	1,300	1,700
J	Pump/Meter	2,300	3,100
K	Thickener	300	550
L	Sandfilter	2,600	3,550
N	Warehouse	900	1,300
O	UV	3,400	6,750
P	Press	4,600	7,400
Q	Cryo	3,600	6,650
R	Administration	3,200	4,400
S	Maint. Garage	900	1,500
T	CRAS	1,700	2,500
U	Digester	4,100	5,500
V	Co-Gen	2,500	3,800
	Elec. Supplies	6,000	12,000
		\$60,700	\$94,000

Glenbard Wastewater Authority
CY2015 Maintenance Electronics Budget Details
270 520980

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Bar Screen	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		200	
	HVAC Equipment PM/Repairs	400		500	
	Instrumentation PM Repairs	400		500	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		200	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	600		800	
	SCADA System PM/Repairs	600		800	
	Telecommunications PM/Repairs	400		500	
	Bar Screen Total		\$2,900		\$3,900
Raw Pumps	Control Panel PM/Repairs	100		200	
	Electrical Distribution PM/Repairs	2,700		4,000	
	HVAC Equipment PM/Repairs	500		700	
	Instrumentation PM/Repairs	2,700		4,000	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	1,000		1,400	
	Motor PM/Repairs	1,400		2,000	
	Safety Equipment PM/Repairs	100		200	
	SCADA System PM/Repairs	1,400		2,000	
	Telecommunications PM/Repairs	200		300	
	Raw Pumps Total		\$10,200		\$14,900

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Grit	Control Panel PM/Repairs	100		200	
	Electrical Distribution PM/Repairs	300		400	
	HVAC Equipment PM/Repairs	200		300	
	Instrumentation PM/Repairs	400		500	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	300		400	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	400		500	
	SCADA System PM/Repairs	400		500	
	Telecommunications PM/Repairs	0		50	
	Grit Total		\$2,300		\$3,050
Primary Clarifier	Control Panel PM/Repairs	0		0	
	Electrical Distribution PM/Repairs	200		300	
	HVAC Equipment PM/Repairs	0		0	
	Instrumentation PM/Repairs	100		100	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	0		0	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	Primary Clarifier Total		\$400		\$500

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Primary Pump	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	200		400	
	Instrumentation PM/Repairs	100		100	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		200	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	300		500	
	SCADA System PM/Repairs	700		1,000	
	Telecommunications PM/Repairs	0		50	
	Primary Pump Total		\$1,800		\$2,750
Unox Deck	Control Panel PM/Repairs	700		1,000	
	Electrical Distribution PM/Repairs	400		600	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	1,000		1,500	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	1,000		1,500	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		50	
	Unox Deck Total		\$3,500		\$5,150

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
ATAD	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	200		300	
	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 Total		\$700		\$800
Screw Pump	Control Panel PM/Repairs				
	Electrical Distribution PM/Repairs	700		1,000	
	HVAC Equipment PM/Repairs	200		300	
	Instrumentation PM/Repairs	100		200	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	300		500	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		50	
	Screw Pump Total		\$1,500		\$2,250

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Final Clarifer	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	400		500	
	HVAC Equipment PM/Repairs	0		0	
	Instrumentation PM/Repairs	400		500	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	100		200	
	Telecommunications PM/Repairs	100		100	
	Final Clarifier Total		\$1,300		\$1,700
Pump and Meter	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	700		1,000	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	200		300	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	700		1,000	
	Telecommunications PM/Repairs	100		100	
	Pump and Metering Total		\$2,300		\$3,100

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Thickener	Control Panel PM/Repairs	0		0	
	Electrical Distribution PM/Repairs	100		200	
	HVAC Equipment PM/Repairs	100		200	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	0		50	
	Motor PM/Repairs	100		100	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	0		0	
	Thickener Total		\$300		\$550
Sandfilter	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	600		800	
	HVAC Equipment PM/Repairs	400		500	
	Instrumentation PM/Repairs	200		300	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	400		500	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	700		1,000	
	Telecommunications PM/Repairs	0		50	
	Sandfilter Total		\$2,600		\$3,550

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Warehouse	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	300		500	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		200	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	100		100	
	Warehouse Total		\$900		\$1,300
UV	Control Panel PM/Repairs	1,400		4,000	
	Electrical Distribution PM/Repairs	400		500	
	HVAC Equipment PM/Repairs	200		300	
	Instrumentation PM/Repairs	300		400	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	300		400	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	500		700	
	Telecommunications PM/Repairs	0		50	
	UV Total		\$3,400		\$6,750

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Press	Control Panel PM/Repairs	100		200	
	Electrical Distribution PM/Repairs	600		900	
	HVAC Equipment PM/Repairs	1,200		2,000	
	Instrumentation PM/Repairs	700		1,000	
	LAN PM/Repairs	100		200	
	Lighting Equipment PM/Repairs	400		500	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	100		200	
	SCADA System PM/Repairs	1,200		2,000	
	Telecommunications PM/Repairs	100		200	
	Press Total		\$4,600		\$7,400
Cryo	Control Panel PM/Repairs	100		200	
	Electrical Distribution PM/Repairs	100		200	
	HVAC Equipment PM/Repairs	200		150	
	Instrumentation PM/Repairs	1,000		2,000	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	1,000		2,000	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	700		1,500	
	Telecommunications PM/Repairs	400		500	
			\$3,600		\$6,650

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Administration	Control Panel PM/Repairs	100		200	
	Electrical Distribution PM/Repairs	200		300	
	HVAC Equipment PM/Repairs	200		300	
	Instrumentation PM/Repairs	300		400	
	LAN PM/Repairs	400		500	
	Lighting Equipment PM/Repairs	200		300	
	Motor PM/Repairs	400		500	
	Safety Equipment PM/Repairs	300		400	
	SCADA System PM/Repairs	400		500	
	Telecommunications PM/Repairs	700		1,000	
	Administration Total		\$3,200		\$4,400
Maintenance Garage	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		200	
	HVAC Equipment PM/Repairs	100		200	
	Instrumentation PM/Repairs	0		0	
	LAN PM/Repairs	100		200	
	Lighting Equipment PM/Repairs	200		300	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	100		100	
	SCADA System PM/Repairs	0		0	
	Telecommunications PM/Repairs	100		200	
	Maintenance Garage Total		\$900		\$1,500

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
CRAS	Control Panel PM/Repairs	100		100	
	Electrical Distribution PM/Repairs	100		100	
	HVAC Equipment PM/Repairs	100		100	
	Instrumentation PM/Repairs	700		1,000	
	LAN PM/Repairs	100		100	
	Lighting Equipment PM/Repairs	100		200	
	Motor PM/Repairs	100		200	
	Safety Equipment PM/Repairs	100		200	
	SCADA System PM/Repairs	100		200	
	Telecommunications PM/Repairs	200		300	
	CRAS Total		\$1,700		\$2,500
Digester	Control Panel PM/Repairs	400		500	
	Electrical Distribution PM/Repairs	400		500	
	HVAC Equipment PM/Repairs	600		800	
	Instrumentation PM/Repairs	500		700	
	LAN PM/Repairs	200		200	
	Lighting Equipment PM/Repairs	400		500	
	Motor PM/Repairs	400		600	
	Safety Equipment PM/Repairs	400		500	
	SCADA System PM/Repairs	700		1,000	
	Telecommunications PM/Repairs	100		200	
	Digester Total		\$4,100		\$5,500

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Co-Gen	Control Panel PM/Repairs	200		300	
	Electrical Distribution PM/Repairs	200		300	
	HVAC Equipment PM/Repairs	300		500	
	Instrumentation PM/Repairs	700		1,000	
	LAN PM/Repairs	100		200	
	Lighting Equipment PM/Repairs	100		200	
	Motor PM/Repairs	400		500	
	Safety Equipment PM/Repairs	200		300	
	SCADA System PM/Repairs	200		300	
	Telecommunications PM/Repairs	100		200	
	Co-Gen Total		\$2,500		\$3,800
Electrical Supplies	Conduit, wire, enclosures, fittings, switches, batteries, cleaning supplies, contact cleaners electronic components, Pneumatic Tubing & Fittings Thermal Overloads, fasteners, strut wire, nuts, etc.	6,000		12,000	
	Electrical Total		\$6,000		\$12,000
	Grand Total		\$60,700		\$94,000

Glenbard Wastewater Authority
CY2015 Electrical/Electronics - Support Budget
270 520981

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Administration	Network/Communications Consulting	10,000		10,000	
	Maximo CMMS Consulting	15,000		15,000	
	Intellution iFIX Global Support	12,000		12,000	
	Fire/Security Alarm Systems Monitoring	1,100		1,600	
	Software Support agreement Specter (Win-911)	1,300		1,300	
	Software Support Agreements Cisco (Firewarll)	1,000		1,000	
	Software Support Agreement IBM (Maximo)	5,650		5,650	
	Software Support Agreement Rockwell (PLC)	1,200		1,200	
	Software Support Agreement WIMS	2,800		2,800	
	Software Support Agreement TimeTrax (Time Clock)	250		250	
	Software Support Symantec (A/V)	1,800		1,800	
	Software Support Symantec Backup Exec	800		800	
	Telephone System Support Agreement Midco	2,200		2,200	
	Fire/Security Alarm Systems Support Agreement Siemens	6,500		6,500	
	Microsoft Server Select Agreement / Client Select Agreement	0		0	
Flow Metering	ADS Flow Meter Maintenance/Data Analysis	74,000		114,000	
UV	Effluent Ammonia Analyzer Service Contract	3,900		3,900	
Plant Wide	HVAC Refrigeration Repairs	5,000		5,000	
Co-Generation	Switchgear Bi-Annual PM	0		5,700	
	Protection Relay Bi-Annual Calibration	0		4,200	
			\$144,500		\$194,900

**Glenbard Wastewater Authority
CY2015 Operations - Supplies Budget
270 520990**

Item	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Operating Supplies	Operational Supplies				
	Misc. Supplies	3,400		5,000	
	Home Depot				
	Blue Book				
	McMaster-Carr				
	McCann Equipment				
	Ace Hardware				
	Carbit Paint				
	Hose Replacements	2,500		5,000	
		<hr/>		<hr/>	
			\$5,900		\$10,000

**Glenbard Wastewater Authority
CY2015 Operations - Support Budget
270 520991**

Designation	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
	Ford Hall Company - Clarifier Brush Service Contract	6,100		6,100	
Grit	Solid Waste / Recycle Waste Disposal	5,400		8,000	
	Wetwell Cleaning	0		7,000	
Admin	Recycle Disposal	550		800	
Cryo	Oxygen Purchase for Turnaround	6,000		7,000	
	Mixing & Maxx Transfer	0		0	
	Geen -- Cooling Water Conditioning Consultation	3,400		5,000	
UV	Recycle Fees	0		0	
		<hr/>		<hr/>	
				\$21,450	\$33,900

**Glenbard Wastewater Authority
CY2015 Service Charge Budget
270 521130**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Service Charge	Village of Glen Ellyn -- Overhead fees	84,000		126,500	
			\$84,000		\$126,500
	CY2015 Overhead fees at 0.5% CPI-U Chicago increase Based off of SY2014 increase percentage.	\$ 126,500			
	SY2014 Overhead fees at 0.5% CPI-U Chicago increase	\$ 125,800			
	SY2014 Monthly overhead fee	\$ 10,483			
	SY2014 Prorated overhead fee	\$ 84,000			

Glenbard Wastewater Authority
CY2015 Sludge Disposal - Land App. Budget
270 521150

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Sludge Disposal	Stewart Spreading -- Trucking fees for Sludge Removal	125,000		180,000	
		<hr/>			
		Total	\$125,000		\$180,000

**Glenbard Wastewater Authority
CY2015 Telecomm Budget
270 521195**

Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
Call One - Admin - 790-1901	41,200		64,000	
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)				
SCADA Poling Network				
AT&T - E-991-DID #'s	2,500		3,000	
AT&T DSL Ports/Primary ISP	1,100		1,400	
Comcast DSL / Secondary ISP	1,100		1,400	
Cellular Service (includes scada aircards)	5,000		5,800	
Comcast - Cable Service	600		650	
		\$51,500		\$76,250

**In SY2014 a 25% increase
was budgeted based on the FY2014 estimate
minus the 33% for the stub year budget.**

**The \$76,250 budgeted in CY2015 is the 25% increase
without the stub year 33% reduction.**

**The Authority is hopeful that the Cellular Remote Site
Communication Project will reduce the surging monthly expenses
for the landlines listed above.**

**Glenbard Wastewater Authority
CY2015 Electrical Power Budget
270 521201**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Electrical Power	Fees for Purchase of Electric Power & ComEd Delivery Services	423,000		630,000	
		<hr/>		<hr/>	
				\$423,000	\$630,000

**Glenbard Wastewater Authority
CY2015 Natural Gas - Brokered - Budget
270 521202**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Nat. Gas - Brokered	Fees for Direct and Brokered purchase of Natural Gas	34,000		50,000	
			\$34,000		\$50,000

Glenbard Wastewater Authority
CY2015 Water Budget
270 521203

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Water	Fees for Purchase of Potable Water - Village of Glen Ellyn	25,000		40,000	
		<hr/>		<hr/>	
				\$25,000	\$40,000

**Glenbard Wastewater Authority
CY2015 Co-Gen Natural Gas Budget
270 521204**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Natural Gas	Fees for Purchase of Natural Gas (Co-Generation Unit)	3,500		5,000	
		<hr/>		<hr/>	
				\$3,500	\$5,000

**Glenbard Wastewater Authority
CY2015 Office Supplies Budget
270 530100**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Office Supplies	Supplies for Administrative Management functions (I.e. Office Supplies, Federal Express, UPS, printer/fax, copier supplies, printing)	7,000		10,000	
	Minolta Bus. Sys. Support (copy machine)	3,000		5,000	
	Postage Meter Rental/Postage	1,000		2,000	
	Coffee Machine Services/Supplies	2,000		3,000	
	Total		\$13,000		\$20,000

**Glenbard Wastewater Authority
CY2015 Laboratory Supplies Budget
270 530106**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Laboratory Supplies	Laboratory Consumables and Glassware	11,000		16,000	
		<hr/>		<hr/>	
				\$11,000	\$16,000

**Glenbard Wastewater Authority
CY2015 Administrative Purchasing Budget
270 530200**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Administrative	Admin Vehicle Care	700		1,000	
Purchasing	Aerial Photography	700		1,000	
	Celebrating Success	700		1,000	
	Office Decorations	300		500	
Total			<u>\$2,400</u>		<u>\$3,500</u>

**Glenbard Wastewater Authority
CY2015 Safety Budget
270 530225**

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Admin	Portable Gas Detection Meter Cal Gas	800		1,200	
	Portable Gas Detection Meter Repair/Replacement	3,400		5,000	
	Confined Space Equip. Repairs/Replacement	1,000		1,200	
	Safety shoes (\$200 max. allowance)	2,400		3,500	
	Cintas (First Aid Kit Supplies)	700		1,000	
	Safety Supplies	1,000		1,500	
	Safety Program Consultations & Training	2,000		3,000	
	Safety Suggestion Awards (monthly gift cards + Safety sug)	1,700		2,500	
	Site Safety and Signage	300		500	
Total			\$13,300		\$19,400

Glenbard Wastewater Authority
CY2015 Uniforms Budget
270 530445

Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Uniforms	Uniform Replacements	7,000		7,000	
Total			\$7,000		\$7,000

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 CY2015
Operations & Maintenance
Division 270-1
Stormwater Plant

REVENUE

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Operations/Maintenance						
450015	Lombard Share	217,100	0	0	0	0
DIVISION 270-1		217,100	0	0	0	0

All revenues are being accounted for in Division 270 beginning FY2014

Budget CY2015

Operations & Maintenance

Division 270-1

Stormwater Plant & Hill Avenue Lift Station

Footnotes

EXPENSES

			Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Personnel Services							
510100	Salaries - Regular	1	17,397	0	0	0	0
510200	Salaries - Overtime		468	0	0	0	0
510400	FICA		1,302	0	0	0	0
510500	IMRF		2,079	0	0	0	0
	Total		21,246	0	0	0	0
Operations & Maintenance							
520775	Regulatory Fees		20,000	20,000	23,000	23,000	23,000
520776	TMDL Commitment		3,118	0	0	0	0
520885	Insurance - Liability		9,881	0	0	0	0
520895	Insurance - Health		5,118	0	0	0	0
520970	Maint. - Bldgs. & Grnds.		9,248	11,800	9,400	9,400	14,200
520975	Maint. - Equipment		2,788	3,000	4,650	4,650	5,400
520980	Maint. - Electronics	2	52,460	11,500	3,575	3,575	5,400
521130	Overhead Fees		2,900	0	0	0	0
521195	Telecommunications		2,558	0	0	0	0
521201	Electric Power		21,946	25,000	13,500	13,500	20,000
521202	Natural Gas		3,512	2,500	2,000	2,000	3,000
521203	Water		1,604	4,000	4,000	4,000	4,000
530105	Operations		988	1,700	1,100	1,100	1,700
	Total		136,121	79,500	61,225	61,225	76,700
Commodities							
530440	Chemicals		26,767	25,000	20,000	20,000	30,000
	Total		26,767	25,000	20,000	20,000	30,000
Total 270-1			184,134	104,500	81,225	81,225	106,700

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

(1) SALARIES:

The salaries have been relocated to Division 270.

(2) CHEMICALS (\$30,000):

Chemicals used to chlorinate and dechlorinate during periods of high flow when the plant is in service.

Glenbard Wastewater Authority
CY2015 Budget - 270-1 - Stormwater Plant & Hill Avenue Lift Station

Item	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
520775	IEPA Regulatory Fees	23,000		23,000	
			\$23,000		\$23,000
520970	Building/Grounds	Misc. Repairs	1,000	2,500	
		Sidewalk Repairs	0	0	
	Bldg/Grnds - Support	Door/Lock/Window Repairs	450	450	
		Landscape Maintenance	6,000	9,000	
		Pest Control	300	100	
		Fire Extinguisher Service/Repairs	100	100	
		Tru-Green Chemlawn	750	750	
		Roof Inspection	200	300	
		Roof Repairs	300	500	
		Sidewalk Repairs	300	500	
			\$9,400		\$14,200
520975	Maintenance	Unanticipated Equipment Repairs	600	1,000	
		Hill Avenue Submersible Pump Service	1,500	1,500	
		Peristaltic Pump Replacement Hose	250	400	
	Equipment - Support	Unanticipated Equipment Repairs	300	500	
		Underground Locates	750	750	
		Hill Avenue Access Hatch Repair	500	500	
		RPZ Inspections	750	750	
			\$4,650		\$5,400

Glenbard Wastewater Authority
CY2015 Budget - 270-1 - Stormwater Plant & Hill Avenue Lift Station- (Continued)

	Item	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
520980	Elect. Maintenance	Control Panel PM/Repairs	150		200	
		Electrical Distribution PM/Repairs	1,300		2,000	
		HVAC Equipment PM/Repairs	175		300	
		Instrumentation PM/Repairs	600		800	
		LAN PM/Repair	0		0	
		Lighting Equipment PM/Repairs	250		400	
		Motor PM/Repairs	300		500	
		Safety Equipment PM/Repairs	0		0	
		SCADA System PM/Repairs	700		1,000	
		Telecommunications PM/Repairs	100		200	
				\$3,575		\$5,400
521201	Electricity			\$13,500		\$20,000
521202	Natural Gas	Building Heaters		\$2,000		\$3,000
521203	Water	Hosing, Lab, Chlor/DeChlor carrying water		\$4,000		\$4,000
530105	Operations	Replacement Tools and Hose	700		1,000	
	Operations - Support					
		Refuse Removal	400		700	
				\$1,100		\$1,700
530440	Chemicals	Hypochlorite / Sodium Thiosulfate		\$20,000		\$30,000
Total 270-1				\$81,225		\$106,700

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 CY2015
 Operations & Maintenance
 Division 272
 North Regional Interceptor

REVENUE

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Operation/Maintenance						
450015	Glen Ellyn	18,647	0	0	0	0
450010	Lombard	34,803	0	0	0	0
DIVISION 272		53,450	0	0	0	0

All revenues are being accounted for in Division 270 beginning FY2014

Budget CY2015

Operations & Maintenance

270-2

NRI / St. Charles Road L.S.

Footnotes

EXPENSES

			Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Personnel Services							
510100	Salaries - Regular	1	3,685	0	0	0	0
510200	Salaries - Overtime		0	0	0	0	0
510400	FICA		264	0	0	0	0
510500	IMRF		425	0	0	0	0
Total			4,374	0	0	0	0
St. Charles Rd. Lift Station		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	400	400	400	400
520975 SC	Maint - Equipment	3	0	850	12,850	12,850	13,250
520980 SC	Maint. - Electronics		0	6,500	3,000	3,000	4,800
521201 SC	Electric Power		0	11,000	7,500	7,500	11,000
Total			0	18,750	23,750	23,750	29,450
North Regional Interceptor							
520970 NRI	Maint. - Piping & Grnds.		31,603	0	550	550	550
520885	Insurance - Liability		4,756	0	0	0	0
520895	Insurance - Health		1,210	0	0	0	0
520980	Maint. - Electronics		6,444	0	0	0	0
521130	Overhead Fees		700	0	0	0	0
521195	Telecommunications		0	0	0	0	0
Total			44,713	0	550	550	550
Total 270-2			49,087	18,750	24,300	24,300	30,000

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 (\$13,250):

The 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
CY2015 Budget - 270-2 NRI / St. Charles Rd. L.S.**

	Item	Recommendations	SY14 Budgeted	Total	CY15 Budgeting	Total
St. Charles L.S.						
520970 SC	Bldg and Grounds	Miscellaneous	150		150	
		Annual RPZ Certification	100		100	
		Annual Fire System Certification	150		150	
				\$400		\$400
520975 SC	Maint. Equip.					
		Misc Parts/Oils (Post Warranty)	100		500	
		Submersible Pumps Annual Service	12,000		12,000	
		Patten Generator Service	750		750	
				\$12,850		\$13,250
520980 SC	Maintenance Electronics					
		Control Panel PM/Repairs	100		200	
		Electrical Distribution PM/Repairs	500		600	
		HVAC Equipment PM/Repairs	100		200	
		Instrumentation PM/Repairs	500		600	
		Lighting Equipment PM/Repairs	100		100	
		Misc Spare Parts	1,000		2,000	
		Motor PM/Repairs	100		200	
		SCADA System PM/Repairs	500		800	
		Telecommunications PM/Repairs	100		100	
				\$3,000		\$4,800
521201 SC	Electric Power		7,500		11,000	
				\$7,500		\$11,000
NRI						
520970 NRI	Maint Piping and Grounds					
		Misc. repairs to the exposed manholes	550		550	
		Cleaning & Televising Sewer	0		0	
				550		\$550
Total 270-2				\$24,300		\$30,000

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 CY2015
 Operations & Maintenance
 Division 273
 South Regional Interceptor

REVENUE

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Operation/Maintenance						
450010	Glen Ellyn	58,650	0	0	0	0
DIVISION 273		58,650	0	0	0	0

All revenues are being accounted for in Division 270 beginning FY2014

Budget CY2015
Operations & Maintenance
270-3
SRI / Valley View L.S.

Footnotes

EXPENSES

			Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Personnel Services							
510100	Salaries - Regular	1	1,118	0	0	0	0
510200	Salaries - Overtime		128	0	0	0	0
510400	FICA		91	0	0	0	0
510500	IMRF		147	0	0	0	0
					0		
	Total		1,484	0	0	0	0
Valley View Lift Station		2					
520970 VV	Bldg. & Grnds. Support		0	1,000	0	0	0
520975 VV	Maint. - Equipment		0	1,500	1,300	1,300	1,300
520980 VV	Maint. - Electronics		0	4,500	1,200	1,200	1,700
521201 VV	Electric Power		0	8,500	6,700	6,700	10,000
South Regional Interceptor							
520776	TMDL Commitment		2176	0	0	0	0
520885	Insurance - Liability		2172	0	0	0	0
520895	Insurance - Health		651	0	0	0	0
520970	Maint. - Piping & Grnds.		13831	0	500	500	500
520975	Maint. - Equipment		0	0	0	0	0
520980	Maint. - Electronics		13670	0	0	0	0
521130	Overhead Fees		300	0	0	0	0
	Total		32,800	15,500	9,700	9,700	13,500
Total 270-3			34,284	15,500	9,700	9,700	13,500

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

(1) SALARIES:

The salaries have been relocated to Division 270.

(2) VALLEY VIEW LIFT STATION EXPENSES:

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

**Glenbard Wastewater Authority
CY2015 Budget - 270-3 - SRI / Valley View L.S.**

DESIGNATION	Item	Recommendation	SY14 Budgeted	Total	CY15 Budgeting	Total
Valley View Lift Station						
520970 VV	Bldg./Grnds - Support	Landscape Maintenance	0		0	
		Patten Generator Service	0		0	
				\$0		\$0
520975 VV	Maint. Equip.					
		Pump Parts- Engine Oils/Filters	600		1200	
		Annual Engine/Generator Evaluation	600		0	
		Seal Water Filters	100		100	
		Pump Maintenance	0		0	
		Patten Generator Service	0		0	
				\$1,300		\$1,300
520980 VV	Maint, Electronics					
		Control Panel PM/Repairs	200		200	
		Electrical Distribution PM/Repairs	150		250	
		HVAC Equipment PM/Repairs	100		100	
		Instrumentation PM/Repairs	250		500	
		LAN PM/Repairs	100		100	
		Lighting Equipment PM/Repairs	100		100	
		Motor PM/Repairs	100		100	
		SCADA System PM/Repairs	100		250	
		Telecommunications PM/Repairs	100		100	
				\$1,200		\$1,700
521201 VV	Electricity			\$6,700		\$10,000
SRI						
520970 SRI	Maint Piping and Grounds					
		Misc. repairs to the exposed manholes	500		500	
		Cleaning & Televising Sewers	0		0	
				\$500		\$500
Total 270-3				\$9,700		\$13,500

Budget CY2015

Operations & Maintenance

Division 274

St. Charles Road Lift Station

REVENUE

		Actual FY2013	Estimated FY2014	Budgtd SY2014	Estimated SY2014	Budgeting CFY2015
Operation/Maintenance						
450010	Glen Ellyn	81,160	0	0	0	0
DIVISION 274		81,160	0	0	0	0

Budget CY2015

EXPENSES

Operations & Maintenance

Division 274

St. Charles Road Lift Station

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Personnel Services						
510100	Salaries - Regular	3,674	0	0	0	0
510200	Salaries - Overtime	304	0	0	0	0
510400	FICA	288	0	0	0	0
510500	IMRF	465	0	0	0	0
	Total	4,731	0	0	0	0
Operations & Maintenance						
520885	Insurance - Liability	5,144	0	0	0	0
520895	Insurance - Health	2,140	0	0	0	0
520970	Bldg. & Grnds. Support	332	0	0	0	0
520975	Maint. - Equipment	7,375	0	0	0	0
520980	Maint. - Electronics	33,248	0	0	0	0
521130	Overhead Fees	1,200	0	0	0	0
521195	Telecommunications	4,510	0	0	0	0
521201	Electric Power	8,982	0	0	0	0
	Total	62,931	0	0	0	0
Total Division 274		67,662	0	0	0	0

Budget CY2015

Operations & Maintenance

Division 275

Valley View Lift Station

REVENUE

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Operation/Maintenance						
450010	Glen Ellyn	23,900	0	0	0	0
DIVISION 275		23,900	0	0	0	0

Budget CY2015

EXPENSES

Operations & Maintenance

Division 275

Valley View Lift Station

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Personnel Services						
510100	Salaries - Regular	3,420	0	0	0	0
510200	Salaries - Overtime	846	0	0	0	0
510400	FICA	310	0	0	0	0
510500	IMRF	501	0	0	0	0
Total		5,077	0	0	0	0
Operations & Maintenance						
520885	Insurance - Liability	1,773	0	0	0	0
520895	Insurance - Health	1,117	0	0	0	0
520970	Bldg. & Grnds. Support	1,005	0	0	0	0
520975	Maint. - Equipment	1,693	0	0	0	0
520980	Maint. - Electronics	3,165	0	0	0	0
521130	Overhead Fees	600	0	0	0	0
521195	Telecommunications	1,087	0	0	0	0
521201	Electric Power	4,050	0	0	0	0
Total		14,490	0	0	0	0
Total Division 275		19,567	0	0	0	0

Budget CY2015
 Operations & Maintenance
 Division 276
 SRI Lift Station

REVENUE

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Operation/Maintenance						
450010	Glen Ellyn	4,700	0	0	0	0
DIVISION 276		4,700	0	0	0	0

Budget CY2015

EXPENSES

Operations & Maintenance

Division 276

SRI Lift Station

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Personnel Services						
510100	Salaries - Regular	1,894	0	0	0	0
510200	Salaries - Overtime	0	0	0	0	0
510400	FICA	138	0	0	0	0
510500	IMRF	222	0	0	0	0
	Total	2,254	0	0	0	0
Operations & Maintenance						
520885	Insurance - Liability	1318	0	0	0	0
520895	Insurance - Health	279	0	0	0	0
520975	Maint. - Equipment	100	0	0	0	0
520980	Maint. - Electronics	0	0	0	0	0
521130	Overhead Fees	99	0	0	0	0
521201	Electric Power	0	0	0	0	0
	Total	1,796	0	0	0	0
Total Division 276		4,050	0	0	0	0

Budget CY2015
Operations & Maintenance
Division 277
Sunnyside Lift Station

REVENUE

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Operation/Maintenance						
450010	Glen Ellyn	3,350	0	0	0	0
DIVISION 277		3,350	0	0	0	0

Budget CY2015

EXPENSES

Operations & Maintenance

Division 277

Sunnyside Lift Station

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
Personnel Services						
510100	Salaries - Regular	123	0	0	0	0
510200	Salaries - Overtime	0	0	0	0	0
510400	FICA	9	0	0	0	0
510500	IMRF	14	0	0	0	0
Total		146	0	0	0	0
Operations & Maintenance						
520885	Insurance - Liability	431	0	0	0	0
520895	Insurance - Health	279	0	0	0	0
520975	Maint. - Equipment	0	0	0	0	0
520980	Maint. - Electronics	0	0	0	0	0
521130	Overhead Fees	102	0	0	0	0
Total		812	0	0	0	0
Total Division 277		958	0	0	0	0

GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

REVENUE in Thousands \$	Footnotes	SY(2014)	CY(2015)	CY(2016)	CY(2017)	CY(2018)	CY(2019)	CY(2020)	CY(2021)	CY(2022)	CY(2023)
		Estimated	Budgeting	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing	1	0	6648	6012	0	0	0	0	0	0	0
Investment Income		7	14	17	20	20	20	20	20	20	20
Glen Ellyn Conn Fees		20	25	25	25	25	25	25	25	25	25
Lombard Conn Fees		20	25	25	25	25	25	25	25	25	25
Tranfer in From Fund 270		525									
EnerNoc Demand Response Program	2	38	36	48							
Leachate Revenue	3	77	117	117	117	117	117	117	117	117	117
Cell Tower Revenue	4	40	40	40	40	40	40	40	40	40	40
Miscellaneous Revenue		10	10	10	10	10	10	10	10	10	10
Capital Fund Contribution - Glen Ellyn		950	1583	1741	1915	2111	2317	2549	2804	3084	3407
Capital Fund Contribution - Lombard		1010	1684	1853	2038	2247	2466	2713	2984	3282	3626
Total Capital Fund Contribution	5	1960	3267	3594	3953	4358	4783	5262	5788	6366	7033
TOTAL REVENUE		2697	10182	9888	4190	4595	5020	5499	6025	6603	7270
EXPENSES in Thousands \$		SY(2014)	CY(2015)	CY(2016)	CY(2017)	CY(2018)	CY(2019)	CY(2020)	CY(2021)	CY(2022)	CY(2023)
Debt Service Payments:		Estimated	Budgeting	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
CSO Project Debt Payment (P&I) -		37									
BIP Project Debt Payment (P&I)	6	379	190								
Ana Digester Project Debt Payment (P&I)	7	298	596	596	596	596	596	596	596	596	596
Facility Improvement Plan Debt Payment (P&I)					980	980	980	980	980	980	980
Debt Service Subtotal		714	786	596	1576	1576	1576	1576	1576	1576	1576
Capital Improvements											
Rolling Stock	8	92	103	110	134	157	146	138	34	74	130
Small Capital Projects	9	80	79	100	100	100	100	100	100	100	100
Infrastructure Improvements	10	397	359	300	300	300	300	300	300	300	300
Plant Equipment Rehabilitation	11	224	317	300	300	300	300	300	300	300	300
Cryo 5 Year Turnaround				100					100		
Roof Replacements - Updated based on Repl. Schedule	12	59	200	100	69	0	0	0	0	0	0
Facility Plan					120					150	
Valley View Lift Station	13										
Engineering		100	65								
Construction		1400	500								
DuPage River Salt Creek Work Group Project Assessment	14										
Assessment Cost for Watershed Projects			98	101	161	166	271				
GWA Admin Parking Lot Storm Drain Lining											
Construction		60									
Remote Site Communication											
Engineering		26									
Construction		144									
Screening, Grit, CSO-Grit HVAC Replacement											
Engineering		32									
Construction		140									
Facility Improvement Plan	15										
Influent Pump Station Improvements											
Sand Filter Upgrade, UV Disinfection Upgrade											
Engineering		1134	1134								
Construction (IEPA Loan)			6648	6012							
Chemical Phosphorus Removal	16										
Engineering		49	68								
Construction			643								
Digester Gas Recovery - Combined Heat & Power (CHP)	17										
Engineering			500								
Construction				2500							
Hauled Wastes Receiving Phase 1	18										
Engineering			18	26							
Construction				240							
Intermediate Pump Station Modifications											
Engineering				107							
Construction					1000						
UNOX Deck Control Improvements											
Engineering				28	38						
Construction					361						
Final Stage Modifications											
Engineering				16	23						
Construction					214						
O&M Manual Update				338							
Primary / Waste Activated Sludge Thickening Phase 2 & 3											
Engineering					111	154					
Construction						1446					
Elect. Service, Backup & Redundancy Projects											
Engineering						126	174				
Construction							1631				
Biosolids Covered Storage											
Engineering							174	121	121		
Construction								1134	1134		
Biosolids Dewatering Equipment Replacement											
Engineering								183	127	127	
Construction									1191	1191	
Grit Building MCC Replacement											
Engineering								17	22		
Construction									221		
Cryo Building MCC and PLC Replacement											
Engineering								21	29		
Construction									277		
PLC Replacements											
Engineering								64	88		
Construction									827		
Site Lighting											
Engineering								20	27		
Construction									253		
Stormwater Plant Lagoon Dredging											
Engineering											
Construction										1344	
Stormwater Plant Barscreen Upgrade											
Engineering									87	121	
Construction										1136	
Liquid Biosolids Storage Improvements											
Engineering									148	103	103
Construction										961	961
Stormwater Plant Grit Collection Upgrade and HVAC											
Engineering										226	313
Construction											2960
Project Total		3937	10732	10378	2931	2749	3096	2398	5386	6133	5167
IFT/DEBT SERVICES / PROJ TOTAL		4651	11518	10974	4507	4325	4672	3974	6962	7709	6743
Cash on Hand 5/1		5365	3411	2075	989	672	942	1290	2815	1878	771
Gain/Loss FY		(1954)	(1336)	(1086)	(317)	270	348	1525	(937)	(1106)	527
Cash on Hand 4/30		3411	2075	989	672	942	1290	2815	1878	771	1298

Budget CY2015
Glenbard Treatment Facility
Fund 40 Capital Plan
Capital Projects Detail

		Actual FY2013	Estimated FY2014	Budgeted SY2014	Estimated SY2014	Budgeting CY2015
40	440600	CONNECTION FEES - GLEN ELLYN	30,024	25,000	20,000	25,000
40	440601	CONNECTION FEES - LOMBARD	30,271	40,000	20,000	25,000
40	450225	EQUIPMENT REPLACEMENT FUND				
40	450010	GLEN ELLYN - 42%	748,979	1,311,930	949,717	1,582,862
40	450015	LOMBARD - 58%	851,821	1,388,070	1,010,483	1,684,139
40	460100	INVESTMENT INCOME	6,012	10,000	7,000	14,000
40	480600	ENERNOC DEMAND RESPONSE PROGRAM		8,000	38,000	36,000
40	480700	LEACHATE REVENUE		80,000	77,000	117,000
40	489000	MISCELLANEOUS REVENUE	90,146	10,000	10,000	10,000
40	480450	PROCEEDS FROM BORROWING				6,648,000
40	440700	INTERFUND TRANSFER FROM Division 270		525,000	525,000	0
40	440700	INTERFUND TRANSFER FROM FUNDS 41-47		2,492,000	0	0
40	480800	CELL TOWER REVENUE		49,000	40,000	40,000
REVENUES TOTAL:		1,757,253	5,414,000	2,697,200	2,697,200	10,182,000
PRINCIPAL & INTEREST:						
40	550050	IEPA CSO LOAN PRINCIPAL		71,000	36,500	0
40	550900	IEPA CSO LOAN INTEREST EXPENSE		3,000	500	0
40	550100	IEPA BIOSOLIDS LOAN PRINCIPAL	348,663	358,000	367,000	187,000
40	550950	IEPA BIOSOLIDS LOAN INT EXP	30,164	21,000	12,000	3,000
40	550110	IEPA DIGESTER PRINCIPAL	428,524	440,000	225,500	473,000
40	550960	IEPA DIGESTER INTEREST	159,649	157,000	72,500	123,000
PRINCIPAL & INTEREST TOTALS:		967,000	1,050,000	714,000	714,000	786,000
CAPITAL OUTLAY						
40	570155	ROLLING STOCK - VEHICLES	145,060	111,000	92,000	103,000
40	580120	SMALL CAPITAL PROJECTS	90,724	75,000	80,000	79,000
40	580140	INFRASTRUCTURE UPGRADES	660,981	429,000	397,000	359,000
40	580145	ROOF UPGRADES	165,457	61,000	59,000	200,000
40	580150	PLANT EQUIPMENT REHABILITATION	117,377	233,000	224,000	317,000
40	580150	OXYGEN SYSTEM REHABILITATION		367,000		
40	580150	CRYO 5 YEAR MAINTENANCE				
40	580180	14001 VALLEY VIEW L.S. CONSTRUCTION & ENGINEERING		120,000	1,500,000	565,000
40	580180	14003 INFLUENT PUMP IMPROVEMENT DESIGN				
40	580180	14004 ADMIN PARKING LOT STORM DRAIN LINING			60,000	60,000
40	580180	14005 REMOTE SITE COMMUNICATION			170,000	170,000
40	580180	14006 SCREENING, GRIT, CSO GRIT HVAC IMPROVEMENT			172,000	172,000
40	580180	14007 FACILITY IMPROVEMENTS PLAN			1,134,000	7,782,000
40	580180	14008 CHEMICAL PHOSPHORUS REMOVAL			49,000	711,000
40	580180	14009 DIGESTER GAS RECOVERY (CHP)				500,000
40	580180	14010 HAULED WASTE RECEIVING PHASE I				18,000
40	580180	14011 DUPAGE RIVER SALT CREEK WORKGROUP ASSESSMENT				98,000
40	580200	14002 STORMWATER PLANT CLARIFIER COLLECTOR REHAB		190,000		
40	580235	BIO SOLIDS ENGINEER SERVICES	26,994	10,000		
40	580239	ANAEROBIC DIGESTER IMPROVEMENTS	11,249	417,000		
40	580600	FACILITIES PLAN UPDATE	86,852	3,000		
40						
40						
CAPITAL OUTLAY TOTALS:		1,304,694	2,016,000	3,937,000	3,937,000	10,732,000
PRINCIPAL & INTEREST / CAPITAL OUTLAY TOTALS		2,271,694	3,066,000	4,651,000	4,651,000	11,518,000

**CY2015
FUND 40
CAPITAL FOOTNOTES**

(1) Proceeds From Borrowing (\$6,648,000)

This line item depicts the borrowing needs for CY2015 necessary to complete the estimated work for the Facility Improvement Plan (FIP) per the approved 2013 Facility Plan. The total amount being requested to borrow between CY2015 and CY2016 is \$12,660,000. Between FY2014 and CY2015 the Authority will be reducing the monthly debt payments by \$453,000/year as the CSO Project was paid in full in SY2014 and the Biosolids Project will be paid in full in CY2015. The total estimated payment to begin in CY2017 in the amount of \$980,000.

(2) EnerNoc Demand Response Program (\$36,000):

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) Leachate Revenue (\$117,000):

Three (3) trucks a day at \$0.025/gallon will provide GWA with approximately \$117,000/year in additional revenue. The contract is a two (2) year deal beginning in FY2013 with a ninety (90) day out clause, and a 48 hour stop clause. If for any reason, the leachate has any ill effects on the treatment process Waste Management will halt all deliveries until the process recuperates. A new contract is currently being negotiated.

(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 a license fee of approximately Twenty Six Thousand Dollars \$26,000 in CY2015. The license fee was increased by four percent (4.0%) over the SY2014 figure.

As of SY2014 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. The Authority has estimated approximately \$16,000/year additional revenue for this lease in CY2015.

(5) Capital Fund (\$3,267,000):

The Equipment Replacement Fund relies on dedicated contributions from both communities to support GWA capital expenses. Based on Facility Planning efforts during FY2013 and FY2014 the Equipment Replacement Fund 40 will be increased annually based on project demands for the next 10 years. The first year FY2014 saw 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) Biosolids Improvement Project Debt Payment (\$190,000):

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%. This is the final payment on this year on this debt.

(7) Digester Improvement Project Debt Payment (\$596,000):

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.

(8) Rolling Stock (\$103,000):

This year GWA will be replacing our 12 year old trailer mounted vacuum unit, a four inch mobile trash pump, a mobile compressor/generator, and the utility vehicle per the vehicle replacement schedule identified in the appendix of the CY2015 budget.

(9) Small Capital Improvements (\$79,000):

This cost center provides for small capital improvements. A few of the planned improvements for CY2015 are listed below:

West Plant Access Gate Operator	\$20,000
SCADA/LAN UPS replacements	\$15,000
Workstation Replacements SCADA & LAN	\$10,000
Office Furniture Replacements	\$10,000
Replacement Muffle Furnace	\$8,000

(10) Infrastructure Improvements (\$359,000):

This cost center provides for various infrastructure improvements throughout the GWA Facilities. A few of the planned projects for CY2015 are listed below:

Turn Lane Improvement – Glenbard Plant	\$160,000
Admin Building Renovations –	\$140,000
Final Clarifier Trough Repairs Yr. 4 of 4	\$50,000
Door and Sidewalk Repairs	\$4,000

(11) Plant Equipment Rehabilitation (\$317,000):

This cost center provides for various equipment rehabilitations throughout the GWA Facilities. A few of the planned projects for CY2015 are listed below:

Unox Inlet Valve Replacement (Contracted Installation)	\$120,000
Digester Cleaning	\$35,000
Intermediate Clarifier Bridge Painting	\$33,000
Moyno Pump Spare Rotor/Stator (2) – (Year 3 of 3)	\$32,000
Gravity Thickener Clarifier Mechanism & Bridge Painting	\$30,000
Grinder Exchange Program (3yr plan through CY2015)	\$17,000

(12) Roof Replacements (\$200,000):

This year GWA will be replacing one roof at the Glenbard Plant per the Roof Replacement Schedule in the appendix of the CY2015 budget.

(13) Valley View L.S. Construction (\$565,000):

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.

(14) DuPage River Salt Creek Work Group (\$98,000):

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. If the Authority does not participate in the work group sponsored watershed projects we may be facing a phosphorus limit as low as .1 mg/l versus a 1.0 mg/l

(15) Facility Improvement Plan (\$7,782,000):

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 taking place in SY2014 with construction anticipated to begin in CY2015.

(16) Chemical Phosphorus Removal (\$711,000):

The intention of the study is to further evaluate the results from 2012 which indicated that the wastewater provided to the Authority does not contain enough Volatile Fatty Acids to biologically remove phosphorus. The additional information will 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, distribution points and the installation of phosphorus monitoring equipment to control the chemical application. This project is anticipated to take approximately 2 years.

(17) Digester Gas Recovery- Combined Heat and Power (CHP) (\$500,000)

Biogas from anaerobic digestion is used in the plant boilers to heat the digestion process or is flared. This project will be directly related to the cleaning and drying of the biogas for use in an engine specifically designed for this biogas as a green fuel. The engine will generate electricity that will supply the facility with approximately 1/3 of the electric demands. While the engine generator is producing power it will also create heat, the water used to cool the engine will be utilized to heat the digesters through a hot water loop and returning it to the engine at a cooler temperature ready to absorb more heat. This process will significantly reduce the natural gas use at the Authority. The payback estimates we are seeing at local sanitary districts are approximately 5-6 years.

(18) Hauled Waste Receiving Station- Engineering (\$18,000)

The initial project includes construction of a simple receiving station near the gravity thickener and abandoned aerobic digester tanks to allow the plant to accept relatively low strength waste such as leachate, holding tank wastes, and possibly septage. The receiving station could include monitoring/metering station to measure volumes of hauled wastes received with each load. This project is anticipated to take two years as outlined in the Capital Improvement Plan.

**Glenbard Wastewater Authority
CY2015 Infrastructure Improvement
40 580140**

Designation	Recommendations	SY14 Budgeted	CY15 Budgeting
Electronics	Dewatering MCC Room AHU Replacement	30,000	0
	Dewatering Main Exhaust Fan Service	5,000	0
	Nitro Magnetic Flow Meter Replacement	30,000	0
	Exterior Wal Pak Fixture Replacement	15,000	0
	Exit/Emergency Lighting Replacement	10,000	5,000
	CRAS VFD Replacements	12,000	0
	Nitro Waste VFD Replacements	3,000	0
	Website Development	25,000	0
	West Grit Influent Actuator Replacement	5,000	0
	Elevator Panel Upgrade (Fire Alarm Integration)	15,000	0
	Elevator Code Upgrades	8,000	0
	Administration Building Renovations (ADA Upgrades and Building Addition)	0	140,000
Glenbard Plant	Door and Sidewalk Repairs	4,000	4,000
	Fence Replacement -- Black Aluminum Spade Top	25,000	0
Roads	Admin Parking Upgrade	60,000	0
	Glenbard Entrance Road Shoulder Improvement (turn lane)	0	160,000
Final Clarifiers	Final Clar Trough Repairs (4th year of 4 year project - 1 Tank)	50,000	50,000
CSO Plant	Lombard Raparian Area Restoration & Maintenance	20,000	0
	Lombard Lagoons Rip/Rap Restoration	80,000	0
Grand Total		\$397,000	\$359,000

**Glenbard Wastewater Authority
CY2015 Plant Equipment Rehabilitation
40 580150**

Designation	Recommendations	SY14 Budgeted	CY15 Budgeting
	Digester Cleaning	35,000	35,000
	Grinder Exchange Program (3 year plan thru CY15)	17,000	17,000
Unox	Inlet Valve Replacement (2) -- Contracted Installation	120,000	120,000
Cryo	Cryo Turn Around (5 Year)	0	0
Digester/Thickener	Moyno Pump Spare Rotar/Stator (2) -- (Year 3 of 3)	32,000	32,000
Stormwater Plant	Hill Avenue Pump Replacement 1978 OEM Pumps	20,000	0
Intermediate Clarifiers	North and South Clarifier Bridge Painting	0	33,000
Gravity Thickener	Clarifier Mechanism and Bridge Painting	0	30,000
Sand Filter Building	Sandfilter Sand Replacement	0	30,000
CSO Plant	Grit and Main Building Window Replacements	0	10,000
Glenbard Plant	Multiple Work Orders for Window Replacements Facility Wide	0	10,000
Grand Total		\$224,000	\$317,000

**Glenbard Wastewater Authority
CY2015 Small Capital Improvement
40 580120**

Designation	Recommendations	SY14 Budgeted	CY15 Budgeting
Administrative Electronics	Office Furniture (Board Room Chairs, Desks)	0	10,000
	Software Upgrades (OS & Application)	5,000	5,000
	SCADA/LAN UPS Replacement	15,000	15,000
	Workstation Replacements SCADA & LAN	10,000	10,000
	Pressure Calibrator	2,500	0
Security	Scissor Lift Batteries/Service	1,000	1,000
	Front Gate Operator Replacement	20,000	0
	New West Gate Operator	0	20,000
	Traffic Loop Installation	0	10,000
Primary Diversion Stucture Operations	Primary Macerator Control Panel Replacement	7,500	0
	Replacement Insulating Jackets -- Digester PRV's (2)	7,500	0
	Replace Spectrophotometer	5,000	0
	Replace Muffle Furnace	0	8,000
	Skidsteer Tire Replacement	1,500	0
Laboratory	Sampler Replacement	5,000	0
Grand Total		\$80,000	\$79,000

CY2015

Lombard Combined Sewerage Treatment Facility
Fund 41 Capital Plan

REVENUE in Thousands\$	FY2013	FY2014	SY2014	CY2015
	Actual	Estimated	Budgeted	Budgeting
Interfund Transfer From Capital Fund 40				
Investment Income	0	0	0	0
Miscellaneous Revenue	0	0	0	0
Sinking Fund	264	0	0	0
TOTAL REVENUE	264	0	0	0
EXPENSES in Thousands\$	FY2013	FY2014	FY2015	CY2015
Debt Service Payments:				
CSO Project Debt Payment (P & I)	74	0	0	0
Debt Service Subtotal	74	0	0	0
Capital Outlay				
Small Capital Projects	0	0	0	0
Infrastructure Improvements	0	0	0	0
Equipment Rehabilitation	0	0	0	0
Roof Replacements	0	0	0	0
Capital Improvements				
Lombard Weir Study/ Lombard Upgrades				
Engineering	4	0	0	0
Construction	0	0	0	0
Clarifier Drive Mechanism & Structural Integrity Evaluation		0	0	0
Interfund Transfer To Capital Fund 40		201	0	0
Project Total	4	201	0	0
DEBT SERVICES / PROJECTS TOTAL EXPENSES	78	201	0	0
Cash on Hand 5/1	15	201	0	0
Gain/Loss FY	186	(201)	0	0
Cash on Hand 4/30	201	0	0	0

CY2015
North Regional Interceptor
Fund 42 Capital Plan

REVENUE in Thousands\$	FY2013	FY2014	SY2014	CY2015
	Actual	Estimated	Budgeted	Budgeting
Sinking Fund	166	0	0	0
TOTAL REVENUE	166	0	0	0
EXPENSES in Thousands\$	FY2013	FY2014	FY2015	CY2015
Capital Outlay				
Infrastructure Improvements	0	0	0	0
<i>Interfund Transfer To Capital Fund 40</i>		311	0	0
Project Total	0	311	0	0
PROJECTS TOTAL EXPENSES	0	311	0	0
Cash on Hand 5/1	145	311	0	0
Gain/Loss FY	166	(311)	0	0
Cash on Hand 4/30	311	0	0	0

CY2015
South Regional Interceptor
Fund 43 Capital Plan

REVENUE in Thousands\$	FY2013	FY2014	SY2014	CY(2015)
	Actual	Estimated	Budgeted	Budgeting
Sinking Fund	74	0	0	0
TOTAL REVENUE	74	0	0	0
EXPENSES in Thousands\$	FY2013	FY2014	FY2015	CY2015
<u>Interfund Transfer To Capital Fund 40</u>	0	142	0	0
Project Total	0	142	0	0
PROJECTS TOTAL EXPENSES	0	142	0	0
Cash on Hand 5/1	68	142	0	0
Gain/Loss FY	74	(142)	0	0
Cash on Hand 4/30	142	0	0	0

CY2015
Saint Charles Road Lift Station
Fund 44 Capital Plan

REVENUE in Thousands\$	FY2013	FY2014	SY2014	CY2015
	Actual	Estimated	Budgeted	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	161	0	0	0
TOTAL REVENUE	161	0	0	0
EXPENSES in Thousands\$	FY2013	FY2014	FY2015	CY2015
Capital Outlay				
Small Capital Projects	0	0	0	0
Infrastructure Improvements	0	0	0	0
Equipment Rehabilitation	0	0	0	0
Capital Improvements				
St. Charles Lift Station	28	0	0	0
<u>Interfund Transfer To Capital Fund 45</u>	40	0	0	0
<u>Interfund Transfer To Capital Fund 40</u>		108	0	0
Project Total	68	108	0	0
PROJECTS TOTAL EXPENSES	68	108	0	0
Cash on Hand 5/1	15	108	0	0
Gain/Loss FY	93	(108)	0	0
Cash on Hand 4/30	108	0	0	0

CY2015
Valley View Lift Station
Fund 45 Capital Plan

REVENUE in Thousands\$	FY2013	FY2014	SY2014	CY2015
	Actual	Estimated	Budgeted	Budgeting
Interfund Transfer From Capital Fund 44	40	0	0	0
Sinking Fund	49	0	0	0
TOTAL REVENUE	89	0	0	0
EXPENSES in Thousands\$	FY2013	FY2014	FY2015	CY2015
Capital Outlay				
Lift Station Improvement				
Engineering	115	0		
Construction	0	0		
Equipment Rehabilitation	10	0		
<u>Interfund Transfer To Capital Fund 40</u>		9	0	0
Project Total	125	9	0	0
PROJECTS TOTAL EXPENSES	125	9	0	0
Cash on Hand 5/1	45	9	0	0
Gain/Loss FY	(36)	(9)	0	0
Cash on Hand 4/30	9	0	0	0

CY2015
SRI Lift Station
Fund 46 Capital Plan

REVENUE in Thousands\$	FY2013	FY2014	SY2014	CY2015
	Actual	Estimated	Budgeted	Budgeting
Sinking Fund	49	0	0	0
TOTAL REVENUE	49	0	0	0
EXPENSES in Thousands\$	FY2013	FY2014	FY2015	CY2015
Capital Outlay				
Equipment Rehabilitation	3	0	0	0
<i>Interfund Transfer To Capital Fund 40</i>	0	91	0	0
Project Total	3	91	0	0
PROJECTS TOTAL EXPENSES	3	91	0	0
Cash on Hand 5/1	45	91	0	0
Gain/Loss FY	46	(91)	0	0
Cash on Hand 4/30	91	0	0	0

CY2015
Sunnyside Lift Station
Fund 47 Capital Plan

REVENUE in Thousands\$	FY2013	FY2014	SY2014	CY2015
	Actual	Estimated	Budgeted	Budgeting
Sinking Fund	12	0	0	0
TOTAL REVENUE	12	0	0	0
EXPENSES in Thousands\$	FY2013	FY2014	FY2015	FY2015
<u>Interfund Transfer To Capital Fund 40</u>	0	23	0	0
Project Total	0	23	0	0
PROJECTS TOTAL EXPENSES	0	23	0	0
Cash on Hand 5/1	11	23	0	0
Gain/Loss FY	12	(23)	0	0
Cash on Hand 4/30	23	0	0	0

CY2015

GLENBARD WASTEWATER AUTHORITY EQUIPMENT REPLACEMENT FUND

FUND 40		Actual FY13 Bdgt	Approved FY14 Bdgt	Budgeted SY14 Bdgt	Estimated SY14 Bdgt	Budgeting CY15 Bdgt
5966	Equipment Replacement Flow Split - Total = Half of the Whole		1,350,000	980,100	980,100	1,633,500
	* Glen Ellyn Flow Split - 46.90%		642,600	459,667	459,667	766,112
	* Lombard Flow Split - 53.10%		707,400	520,433	520,433	867,389
	Equipment Replacement Split in Equity - Total = Half of the Whole		1,350,000	980,100	980,100	1,633,500
	Glen Ellyn Flow Split - 50%		675,000	490,050	490,050	816,750
	Lombard Flow Split - 50%		675,000	490,050	490,050	816,750
	Total		2,700,000	1,960,200	1,960,200	3,267,000

					Total Contributions	Percentage by Contribution	
Total Glen Ellyn Equipment Replacement Fund Contribution:			1,317,600	949,717	949,717	1,582,862	48%
Total Lombard Equipment Replacement Fund Contribution:			1,382,400	1,010,483	1,010,483	1,684,139	52%

* Indictes for budgeting purposes only the same flow split used for SY2014
as we start the formal budget for CY2015 the actuals will be utilized.

Original Fund 27 & 28 FY1986 through FY1997

Glenbard Wastewater Authority
Equipment Replacement Fund

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

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

Original Fund 40 FY1998 through FY2010

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

Intermediate Capital Funding FY2011 through FY2013

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

Fund 40 FY2014 through CY2023

Fiscal Year	Glen Ellyn Split 50/50	Lombard 50/50	Split 1/2 Half of Actual	Glen Ellyn By Flow	Split Lombard By Flow	Split By Partner	% Flow Split 1/2 Half of Actual	Actual Contributions	Percentage Increase	Total Glen Ellyn	Total Lombard	Accumulated Funding
FY(2014)	675,000.00	675,000.00	1,350,000.00	642,600.00	707,400.00	47.60 / 52.40	1,350,000.00	2,700,000.00	11%	\$ 1,317,600.00	\$ 1,382,400.00	\$ 37,390,539.00
SY(2014)	490,050.00	490,050.00	980,100.00	459,666.90	520,433.10	46.90 / 53.10	980,100.00	1,960,200.00	-38%	\$ 949,716.90	\$ 1,010,483.10	\$ 39,350,739.00
FY(2015)	816,750.00	816,750.00	1,633,500.00	766,111.50	867,388.50	46.90 / 53.10	1,633,500.00	3,267,000.00	40%	\$ 1,582,861.50	\$ 1,684,138.50	\$ 42,617,739.00
CY(2016)	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	\$ 46,211,739.00
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	\$ 50,164,739.00
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	\$ 54,522,739.00
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	\$ 59,305,739.00
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	\$ 64,567,739.00
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	\$ 70,355,739.00
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	\$ 76,721,739.00
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	\$ 83,754,739.00
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 Maintenance Fund.
- ~ In 1988 a new Fund was created based off of the Johnson Study recommendations. This was Fund 28, Glenbard Wastewater Authority Capital Equipment Replacement Fund. Fund 27 was the depository for Fund 28 with Inter Fund Transfers (IFT's) being the vehicle to transfer needed funds into Fund 28. The Equipment Replacement Fund spreadsheet illustrates the deposits, transfers, splits and accumulations of the money.
- ~ In FY1992, after analyzing likely FY1992 - FY1997 equipment replacement needs, Glenbard Staff and the Executive Oversight Committee concluded that a five percent (5%) sinking fund will be adequate. It took four fiscal years between FY1992 and FY1996 to return to the contribution level of 1991. The Sinking Fund is shown as growing by five percent (5%) from FY1992 - FY1999.
- ~ A Facility Plan developed in FY(1998) caused the Glenbard Staff and the Executive Oversight Committee to commit to increasing the Sinking Fund to the Fred Johnson calculated values by FY2004.
- ~ The Sinking Fund was re-evaluated during the FY2007 budget discussions with Village Managers and Finance Directors when it was decided to no longer follow the recommended seven percent (7%) annual increase, but to evaluate the contribution on an annual basis. The Managers agreed to return to the seven percent (7%) annual increase in FY2008.
- ~ The Sinking Fund was again evaluated during budget planning for FY2008 when the decision by Village Managers and Finance Directors moved the Authority away from dedicated annual contributions, but to evaluate the contribution annually. At this time Village Managers and Finance Directors agreed to reduce the annual contribution to the Sinking Fund. It took three fiscal years between FY2008 and FY2010 to return to the contribution level of FY2007.
- ~ FY2011 was the first year that the EOC agreed to change the budget format without an executed IGA. The change to the percentages regarding how the Regional Treatment System was constructed did nothing more than devalue the Glenbard Plant to create arbitrary funds and increase value in others.
- ~ FY 2013 is the third year the budget has been formatted without a supporting IGA. Both Village presidents agreed at the December 2011 EOC meeting that this would be the last budget formatted without a supporting IGA. If an agreeable funding mechanism cannot be achieved by November 2012 the budget will revert back to the 1998 IGA supporting the FY10 budget format.
- ~ Beginning with the FY2013 Facility Plan the Capital Equipment Replacement Fund shall be funded with a mandatory ten percent (10%) increase from fiscal year to fiscal year through the 10 year plan as agreed to by the EOC. The increase to the Fund for FY2014 is actually eleven percent (11%). With this figure the period between FY2000 & FY2014 averages seven percent (7%) contribution.
- ~ FY2014, FY2015 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 January 1, 2015

	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*		189,413	297,874	487,287
CY16			595,749	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 CY2015**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**

<u>Fiscal</u> <u>Year</u>	<u>Expense</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan</u> <u>Payment</u>	<u>Remaining</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 remote 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 CY2015
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

<u>Fiscal</u> <u>Year</u>	<u>Balance</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan</u> <u>Payment</u>	<u>Remaining</u> <u>Balance</u>
	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 CY2015	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	

<u>Fiscal</u> <u>Year</u>	<u>Balance</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan</u> <u>Payment</u>	<u>Remaining</u> <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 12	FY 13	FY14	SY14	CY15
Executive Director	S	1	1	1	1	1
Pretreatment Coordinator	I	0	0	0	1	1
Seasonal Admin Secretary - FTE = .25		1	1	1	1	1
Administrative Secretary	F	1	1	1	1	1
Totals		3	3	3	4	4
Senior Operator	L	1	1	1	1	1
Plant Operator I	I	2	2	2	3	3
Plant Operator II	H	0	0	0	0	0
Plant Operator III	G	0	0	0	0	0
Plant Operator IV	F	2	2	2	2	2
Operator-in-Training	E	0	0	0	0	0
Operator PT - FTE = 1.0	E	5	5	5	5	5
Wastewater Laboratory Technician	I	1	1	1	1	1
PT Laborer - FTE = .50	D	2	2	2	1	1
Totals		13	13	13	13	13
Senior Maintenance Mechanic	L	1	1	1	1	1
Maintenance Mechanic I	I	2	2	2	1	1
Maintenance Mechanic II	G	0	0	0	0	0
Maintenance Mechanic III	F	0	0	0	1	1
Totals		3	3	3	3	3
Senior Electrical Electronics Technician	L	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	16	16
Total PT/Seasonal Employees		8	8	8	7	7
Total Full Time Equivalent (FTE)		15.8	15.8	15.8	17.8	17.8

Glenbard Wastewater Authority
Salary Schedule - January 1, 2015 through December 31, 2015

Range	Annualized			Hourly		
	Min	Mid	Max	Min	Mid	Max
CY15 Salary Schedule Adjustment = 1.00% Budgeted Merit Increase 2.0%						
A	\$ 35,693	\$ 44,990	\$ 54,205	\$ 17.16	\$ 21.63	\$ 26.06
B	37,440	47,237	56,909	18.00	22.71	27.36
C	39,333	49,608	59,821	18.91	23.85	28.76
D	41,288	52,104	62,754	19.85	25.05	30.17
E	43,368	54,683	65,957	20.85	26.29	31.71
F	45,552	57,429	69,285	21.90	27.61	33.31
G	47,861	60,299	72,738	23.01	28.99	34.97
H	50,253	63,315	76,357	24.16	30.44	36.71
I	52,749	66,498	80,205	25.36	31.97	38.56
J	55,141	69,805	84,178	26.51	33.56	40.47
K	58,157	73,403	88,442	27.96	35.29	42.52
L	61,090	76,960	92,810	29.37	37.00	44.62
M	64,106	80,808	97,386	30.82	38.85	46.82
N	67,309	84,843	102,274	32.36	40.79	49.17
O	70,741	89,086	107,598	34.01	42.83	51.73
P	74,277	93,558	112,902	35.71	44.98	54.28
Q	77,917	98,218	118,414	37.46	47.22	56.93
R	81,890	103,147	124,467	39.37	49.59	59.84
S	85,966	108,326	130,686	41.33	52.08	62.83

TABLE 1. TOTAL WASTEWATER FLOWS AND PERCENTAGES FOR CY2015 BUDGET

	MONTH	TOTAL AREA METERS (MG)	GLEN ELLYN AREA (MG)	PERCENT OF TOTAL	LOMBARD AREA (MG)	PERCENT OF TOTAL
Y e a r O n e	Jan-09	335.353	169.684	50.60%	165.669	49.40%
	Feb-09	477.504	223.867	46.88%	253.637	53.12%
	Mar-09	568.776	285.076	50.12%	283.700	49.88%
	Apr-09	587.062	276.928	47.17%	310.134	52.83%
	May-09	478.746	226.919	47.40%	251.827	52.60%
	Jun-09	399.042	177.490	44.48%	221.552	55.52%
	Jul-09	269.663	128.521	47.66%	141.142	52.34%
	Aug-09	296.265	136.072	45.93%	160.193	54.07%
	Sep-09	237.349	113.479	47.81%	123.870	52.19%
	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%
Y e a r T w o	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%
	Apr-10	406.316	188.428	46.37%	217.888	53.63%
	May-10	456.696	217.035	47.52%	239.661	52.48%
	Jun-10	570.984	256.903	44.99%	314.081	55.01%
	Jul-10	454.092	226.720	49.93%	227.372	50.07%
	Aug-10	485.227	240.563	49.58%	244.664	50.42%
	Sep-10	269.518	122.064	45.29%	147.454	54.71%
	Oct-10	227.589	107.105	47.06%	120.484	52.94%
	Nov-10	249.292	114.965	46.12%	134.327	53.88%
	Dec-10	288.979	138.183	47.82%	150.796	52.18%
Y e a r T h r e e	Jan-11	285.300	142.660	50.00%	142.640	50.00%
	Feb-11	430.920	196.060	45.50%	234.860	54.50%
	Mar-11	527.500	245.450	46.53%	282.050	53.47%
	Apr-11	566.000	261.960	46.28%	304.040	53.72%
	May-11	476.910	225.060	47.19%	251.850	52.81%
	Jun-11	449.850	224.260	49.85%	225.590	50.15%
	Jul-11	341.000	165.980	48.67%	175.020	51.33%
	Aug-11	331.590	157.770	47.58%	173.820	52.42%
	Sep-11	259.180	119.150	45.97%	140.030	54.03%
	Oct-11	254.960	121.640	47.71%	133.320	52.29%
	Nov-11	328.590	150.590	45.83%	178.000	54.17%
	Dec-11	376.184	176.681	46.97%	199.503	53.03%
Y e a r F o u r	Jan-12	365.415	171.128	46.83%	194.287	53.17%
	Feb-12	316.518	152.713	48.25%	163.805	51.75%
	Mar-12	339.473	162.597	47.90%	176.876	52.10%
	Apr-12	269.939	130.528	48.35%	139.411	51.65%
	May-12	303.295	144.740	47.72%	158.555	52.28%
	Jun-12	221.502	106.729	48.18%	114.773	51.82%
	Jul-12	251.263	110.964	44.16%	140.299	55.84%
	Aug-12	232.703	104.770	45.02%	127.933	54.98%
	Sep-12	214.256	100.230	46.78%	114.026	53.22%
	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%
Y e a r F i v e	Jan-13	329.627	152.609	46.30%	177.018	53.70%
	Feb-13	384.706	172.768	44.91%	211.938	55.09%
	Mar-13	472.887	218.299	46.16%	254.588	53.84%
	Apr-13	619.351	303.384	48.98%	315.967	51.02%
	May-13	431.2	201.647	46.76%	229.553	53.24%
	Jun-13	361.166	162.553	45.01%	198.613	54.99%
	Jul-13	260.487	117.489	45.10%	142.998	54.90%
	Aug-13	228.944	99.808	43.59%	129.136	56.41%
	Sep-13	229.706	100.114	43.58%	129.592	56.42%
	Oct-13	258.677	108.512	41.95%	150.165	58.05%
	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%

AVERAGED WASTEWATER FLOWS UTILIZED FOR CY2015 BUDGET

