GLENBARD WASTEWATER

OPERATIONS, MAINTENANCE AND CAPITAL PLAN

1AY1, 2012 - APRIL 30, 2013

Erik Lanphier Wastewater Manager April, 2012



GLENBARD WASTEWATER AUTHORITY

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April 19, 2012

President Bill Mueller and Members of the Glenbard Wastewater Authority Board Glen Ellyn, Illinois 60137

Subject: May 1, 2012 - April 30, 2013 Glenbard Wastewater Authority Budget

(FY2013)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) FY2013 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 FY2013 partner allocation shows an overall increase of \$97,710 or 1.55% compared to the approved FY2012 budget. The budget reflects a substantial capital improvement plan with the construction and closeout of the Screw Pump Rehabilitation or Replacement project, the Cryo Phase II Upgrade, and a couple of moderate size projects listed within the Infrastructure Improvement portion of the budget. The proposed budget includes funding that will assure continued plant operation that exceeds regulatory standards resulting in improved water quality of the East Branch of the DuPage River.

BACKGROUND

REGIONALIZATION -- The Illinois Pollution Control Board required regionalization of wastewater treatment facilities in 1974 by creating Facility Planning Areas (FPA). The Glenbard FPA, Region IV-B, originally contained 14,000 acres or 22 square miles and has been amended several times by Glen Ellyn and Lombard and now appears to contain approximately 14,157 acres or 22 ¼ square miles. Recommendations for FPA amendments are made to the Villages by the EOC and are usually done to add small adjacent areas. On occasion small adjacent areas are lost to other FPA's. The Glenbard FPA contains a current population equivalent (P.E.) of 103,441 which is an increase of 14 (P.E.) over last year. The FPA is projected to contain a P.E. of 109,125 when fully developed. Figure 1 shows the FPA map with the individual components of the Authority.

<u>FACILITIES</u> -- The Glenbard Wastewater Authority was created in 1977 by an intergovernmental agreement between the Village of Lombard and the Village of

Glen Ellyn for the purpose of jointly constructing and operating advanced wastewater treatment facilities. The new facilities opened in 1982 and operate 24 hours per day 365 days per year.

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

The Glenbard Advanced Wastewater Treatment Facility is a State of the Art Facility designed to provide Wastewater Treatment to 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 discharges from the Village of Lombard.

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

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

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

AUTHORITY ORGANIZATION

<u>AUTHORITY BOARD</u> - The Board of Trustees from the Villages of Lombard and Glen Ellyn govern the Authority. The primary tasks of the Authority Board are to approve an annual budget and audit. Other major responsibilities are to amend the 1977 Intergovernmental Agreement, approve all borrowing, and pass other resolutions as needed. The Board generally meets once a year with an exception during FY2011.

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 and has the primary responsibilities to set the strategic vision, review and approve contracts and expenditures, recommend FPA amendments, review the audit, and recommend an annual budget.

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

<u>PERSONNEL</u> – The day-to-day operation of the facilities is overseen by the Wastewater Manager who is appointed and approved by the Executive Oversight Committee. A preliminary budget allotment of 15.8 highly qualified individuals who are employed with the Authority. Fourteen (14) employees work full-time while another eight (8) work part-time. Eleven employees are certified by the Illinois Environmental Protection Agency in wastewater treatment operations, and six (6) of those ten (10) employees hold Class I certificates, the highest certification possible within the State of Illinois.

BUDGET ORGANIZATION

The Authority has adopted a May 1st to April 30th fiscal year to be consistent with the lead agency, the Village of Glen Ellyn. Most of the revenues for Authority operations are derived through monthly payments from the two Villages. Additional revenue is realized from connection fees collected on new structures built in the service area and interest income. There were two major funds: Operations and Maintenance (Fund 270) and the Capital Fund (Fund 40). As of FY2011 there are now a total of eight (8) Operation and Maintenance divisions and eight (8) Capital funds that are not supported by a signed Intergovernmental Agreement. The following are the division allocation numbers and the identification of the Operation and Maintenance divisions:

Div. 270 - Glenbard Plant

Div. 271 - Stormwater Plant

Div. 272 – North Regional Interceptor

Div. 273 - South Regional Interceptor

Div. 274 – St. Charles Lift Station

Div. 275 – Valley View Lift Station

Div. 276 – SRI Lift Station

Div. 277 – Sunnyside Lift Station

The following are the fund allocation numbers and the identification of the Capital fund:

Fund 40 - Glenbard Plant

Fund 41 - Stormwater Plant

Fund 42 – North Regional Interceptor

Fund 43 - South Regional Interceptor

Fund 44 – St. Charles Lift Station

Fund 45 – Valley View Lift Station

Fund 46 – SRI Lift Station

Fund 47 – Sunnyside Lift Station

OPERATIONS AND MAINTENANCE (O&M) DIVISIONS

These divisions record 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 is divided into eight (8) divisions with budgeted expenses as follows:

	Actual FY2011	Estimated FY2012	Proposed FY2013
Div 270 - Glenbard Plant	\$3,646,445	\$3,466,404	\$3,570,100
Div 271 - Stormwater Plant	210,027	241,500	217,100
Div 272 - N. Reg. Int.	17,868	16,400	53,450
Div 273 - S. Reg. Int.	20,503	19,208	58,650
Div 274 – St. Charles L.S	78,834	67,670	81,160
Div 275 – Valley View L.S	18,990	27,500	23,900
Div 276 – SRI L.S	6,481	4,808	4,700
Div 277 – Sunnyside L.S	1,273	1,165	3,350
	*********	0001155	
	\$4,000,421	\$3,844,655	\$4,012,410

Cash Reserves / Working Cash

FY2011/12

Cash Reserves at April 30, 2011	1,034,283
FY11 Working Cash Supplement by Villages	_
FY12 Projected Surplus/(Deficit)	313,000
Projected Cash Reserves at April 30, 2012	1,347,283
Less: Estimated Encumbrances at April 30, 2012	(80,000)
Projected Working Cash at April 30, 2012	1,267,283
Less: FY12 Required Minimum Working Cash *	(1,037,425)
•	
Projected Working Cash Surplus/(Deficit) at April 30, 2012	229,858
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Projected Working Cash Surplus/(Deficit) at April 30, 2012	
Projected Working Cash Surplus/(Deficit) at April 30, 2012 FY2012/13	229,858
Projected Working Cash Surplus/(Deficit) at April 30, 2012 FY2012/13 Projected Cash Reserves at April 30, 2012	229,858

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1,267,283

Less: FY13 Required Minimum Working Cash **

1,006,575

Projected Working Cash Surplus/(Deficit) at April 30, 2013 2,273,858

* 25% of FY12 Operating Expenses of \$4,149,700.

The six most significant cost centers in the proposed FY2013 O&M budget are as follows:

1. Personnel: The FY2013 proposed GWA team level is at 15.8 full time equivalents (FTE). Personnel costs for the past fourteen years showing the number of full time equivalent staff are shown below. The figures are indicative of the efficiencies realized through the elimination of multiple shifts, automation and monitoring, and other optimization measures:

	Budget	Actual	FTE
FY96	\$1,568,000	\$1,477,458	31.5
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	\$1,341,590	15.8 (Estimated)
FY13	\$1,368,150		15.8 (Budgeted)

^{** 25%} of FY13 Operating Expenses of \$4,026,300

2. <u>Utilities</u>: Electric power, natural gas, water, and telecommunications comprise Utilities, the second largest cost center in the O&M budget. The sum of these utility costs is shown below. The largest component of the utility bill is electrical power used for oxygen generation, pumping systems, mixing and various in-plant processes.

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FY01
          $654,662
FY02
          $570,103
FY03
          $582,232
          $617,574
FY04
FY05
          $606,375
FY06
          $588,400
FY07
          $693,128
FY08
          $1,194,869
FY09
          $769,137
FY10
          $873,093
FY11
          $976,915
          $959,500 (Estimated)
FY12
FY13
         $857,000 (Budgeted)
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- 3. <u>Support Services</u> are separated and budgeted as Operations, Maintenance and Electrical. The FY2012 support budget was \$272,600 and the FY2013 budget is proposed at a cumulative amount of \$284,650. 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 \$400 per year for elevator inspections to \$109,000 per year for flow metering, data analysis, and meter maintenance fees across all divisions.
- 4. <u>Maintenance</u> expenses are budgeted in the amount of \$146,900. This includes both electrical and mechanical maintenance of plant equipment and the maintenance of buildings and grounds. It is imperative that the capital investment that the Villages have made in their wastewater facility be maintained appropriately. These funds, coupled with those in Fund 40 allocated to Plant Equipment Rehabilitation, provide an excellent plan to maintain the Glenbard Plant process equipment. Maintenance funds cover both routine and non-routine repairs.
- 5. <u>Sludge (Biosolids) Disposal-Land Applied</u> is budgeted in the amount of \$200,000. There are two products that are created during treatment through a wastewater facility. The first of the products is the clean water discharged to the river. The processes utilized to degrade the organic compounds in the wastewater generate sludge that is further treated then land applied as a beneficial re-use. The industry term "Biosolids" was coined for the product. GWA's biosolids are

applied to the farm fields at an agronomic rate acting as a fertilizer that is used to improve the growth of feed corn and other crops. The GWA sludge is particularly amenable to farm field application because the metal content of the sludge is extremely low. This is primarily due too the plant only having one significant industrial discharger.

6. <u>Chemical Costs</u> are budgeted in the amount of \$100,000 for both the Glenbard Plant and the Lombard Combined Sewage Treatment Facility. 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: sinking fund, interest earned in the Capital and O&M funds, sanitary sewer/GWA connection fees paid to both Villages, and borrowing.

Of the Eight (8) Capital budget funds three (3) of them have proposed projects, and three (3) have historical value.

	Actual FY2011	Estimated FY2012	Proposed FY2013
Div. 40 - Glenbard Plant Debt Payment Project Expenses IFT Total	\$ 900,000 \$ 805,000 <u>\$3,663,000</u> \$5,368,000	\$ 900,000 \$1,513,000 <u>\$ 0</u> \$2,413,000	\$ 900,000 \$2,231,000 \$ 0 \$3,131,000
Div. 41 - Stormwater Plant Debt Payment Project Expenses Total		\$ 74,000 \$1,092,000 \$1,166,000	\$ 74,000 \$ 20,000 \$ 94,000
Div. 44 – St. Charles Lift Station Project Expenses Total		\$ 120,000 \$ 120,000	\$ 0 \$ 0

Div. 45 – Valley View Lift Station Project Expenses Total	<u>\$</u>	15,000 15,000	<u>\$</u> \$	100,000 100,000
Div. 46 – SRI Lift Station	<u>\$</u> \$	30,000 30,000	<u>\$</u> \$	0

Proposed FY2013 capital expenses of \$3,325,000 are 11% or \$419,000 lower than the FY2012 estimated budget. The decrease reflects the closeout of the St. Charles Lift Station Improvement Project and the Stormwater Improvement Project.

ALLOCATION OF EXPENSES

The Villages of Lombard and Glen Ellyn split the expenses for system operation and maintenance according to wastewater flows contributed to each of the divisions as depicted in Table 1 and Table 2 found in the appendix.

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.

A two-year average flow split of 47.36 % (Glen Ellyn) and 52.64 % (Lombard) was used to estimate the FY2013 expense allocation for the Glenbard Plant. A two-year average flow split of 34.45 % (Glen Ellyn) and 65.55 % (Lombard) was used to estimate the FY2013 expense allocation for the North Regional Interceptor.

As modified by the FY2011 budget, but not yet agreed upon by the Villages and Glenbard Wastewater Authority for inclusion into a revised IGA. Lombard bears 100% of the costs associated with the Stormwater Plant, and the Hill Avenue Lift Station located onsite. Glen Ellyn pays 100% of the costs associated with the St. Charles Road Lift Station, South Regional Lift Station, South Regional Interceptor, Valley View Lift Station, and the Sunnyside Lift Station. Glen Ellyn recuperates the operating costs for the St. Charles Road Lift Station through billing to DuPage County and recuperates the operating costs for the Valley View Lift Station, the SRI Interceptor, and SRI Lift Station through billing to Illinois-American Water Company. The total allocation estimates are as follows:

	Approved	Estimated	Proposed
	FY2012	FY2012	FY2013
Village of Lombard	\$3,317,327	\$3,161,772	\$3,356,963
Village of Glen Ellyn	\$2,971,373	\$2,813,959	\$3,029,447
Total	\$6,288,700	\$5,975,731	\$6,389,410

The overall contribution by the two Villages has increased by \$97,710 or 1.55% more than the FY12 budget. The allocation to the Villages that support the O&M portion of the budget is \$3,986,410. The allocation to the Villages for support of the proposed Capital Fund is \$2,400,000.

CONCLUSION

The total proposed FY2013 budget and comparisons are as follows:

	Actual FY2011	Approved FY2012	Estimated FY2012	Proposed FY2013
O&M Capital	\$3,938,600 \$5,536,000	\$4,149,700 \$3,313,700	\$3,844,655 \$3,744,109	\$4,012,410 \$3,325,000
Total	\$9,474,600	\$7,462,900	\$7,588,764	\$7,337,410

Respectfully Submitted,

Erik Lanphier

Wastewater Manager

Glenbard Wastewater Authority

APPROVED FY2012 EXPENSES ALLOCATED TO PARTNERS			<u></u>	
		1045.55	OLENIE CONT.	
Div. 970 Clark and Diant		LOMBARD	GLEN ELLYN	TOTAL
Div. 270 Glenbard Plant		1,937,394		3,696,400
Div. 271 Stormwater Plant		233,200		233,200
Div. 272 North Reg. Int.		14,039		21,400
Div. 273 South Reg. Int.		0	,	22,100
Div. 274 Saint Charles Road L.S.		0	81,650	81,650
Div. 275 Valley View L.S.		0	25,900	25,900
Div. 276 SRI L.S.		0	4,750	4,750
Div. 277 Sunnyside L.S.		0	3,300	3,300
Sinking Fund Capital		1,132,694	1,067,306	2,200,000
TOTAL		3,317,327	2,971,373	6,288,700
ESTIMATED ACTUAL FY2012 EXPENSES ALLOCATED TO PARTNERS				
		LOMBARD	GLEN ELLYN	TOTAL
Div. 270 Glenbard Plant		1,785,119	1,620,661	3,405,780
Div. 271 Stormwater Plant		241,500	0	241,500
Div. 272 North Reg. Int.		10,759	5,641	16,400
Div. 273 South Reg. Int.		0	19,208	19,208
Div. 274 Saint Charles Road L.S.		0	67,670	67,670
Div. 275 Valley View L.S.		0	27,500	27,500
Div. 276 SRI L.S.		0	4,808	4,808
Div. 277 Sunnyside L.S.		0	1,165	1,165
Sinking Fund Capital		1,132,694	1,067,306	2,200,000
TOTAL		3,170,072	2,813,959	5,984,031
FY2012 BUDGET OVER (UNDER)		(147,255)	(157,414)	(304,669)
PROPOSED FY2013 PARTNERS ALLOCATION				
		LOMBARD	GLEN ELLYN	TOTAL
Div. 270 Glenbard Plant		1,865,614	1,678,486	3,544,100
Div. 271 Stormwater Plant		217,100	0	217,100
Div. 272 North Reg. Int.		35,036	18,414	53,450
Div. 273 South Reg. Int.		0	58,650	58,650
Div. 274 Saint Charles Road L.S.		0	81,160	81,160
Div. 275 Valley View L.S.		0	23,900	23,900
Div. 276 SRI L.S.		0	4,700	4,700
Div. 277 Sunnyside L.S.		0	3,350	3,350
Sinking Fund Capital		1,239,212	1,160,788	2,400,000
TOTAL		3,356,963	3,029,447	6,386,410
Proposed FY 2013 Partners Allocation Compared				
to Approved Expenses Allocated to Partners FY2012:	\$	39,636	58,074	97,710
	%	1.19%	1.95%	1.55%

Glenbard Wastewater Authority Budget 2012-2013 Operations & Maintenance	S	UMMARY BY DI	VISION		
Expense Allocation to Partners REVENUES	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Div. 270 Glenbard Plant	3,164,500	3,433,224	3,696,400	3,405,404	3,544,100
Interest O&M Fund	4,414	2,124	2,000	2,000	2,000
IRMA Reimbursement	27,622	0	0	0	0
ComEd CLR Rebate	66,080	101,724	59,000	59,000	0
Cell Tower Revenue					24,000
Miscellaneous Revenue	17	0	0	0	0
Div. 271 Stormwater Plant	180,200	210,027	233,200	241,500	217,100
Div. 272 North Regional Int.	27,800	17,868	21,400	16,400	53,450
Div. 273 South Regional Int.	24,800	20,503	22,100	19,208	58,650
Div. 274 Saint Charles Road L.S.	0	78,834	81,650	67,670	81,160
Div. 275 Valley View L.S.	0	18,990	25,900	27,500	23,900
Div. 276 SRI L.S.	0	6,481	4,750	4,808	4,700
Div. 277 Sunnyside L.S.	0	1,273	3,300	1,165	3,350
Total Revenues	3,495,433	3,891,048	4,149,700	3,844,655	4,012,410

EXPENSES	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Div. 270Glenbard Plant	3.692.561	3,646,445	3,757,400	3,466,404	3,570,100
Div. 271 Stormwater Plant	187,120	210,027	233,200	241,500	217,100
Div. 272 North Regional Int.	36,274	17,868	21,400	16,400	53,450
Div. 273 South Regional Int.	19,332	20,503	22,100	19,208	58,650
Div. 274 Saint Charles Road L.S.	0	78,834	81,650	67,670	81,160
Div. 275 Valley View L.S.	0	18,990	25,900	27,500	23,900
Div. 276 SRI L.S.	0	6,481	4,750	4,808	4,700
Div. 277 Sunnyside L.S.	0	1,273	3,300	1,165	3,350
Total Expense	3,935,287	4,000,421	4,149,700	3,844,655	4,012,410
Income - Gain / (Loss)	(439,854)	(109,373)	0	0	o
Use of Available cash	400,000	0	0	0	0

	FY2010 Actual	FY2011 Actual	FY2012 Approved	FY2012 Estimated	FY2013 Planning
Operations & Maintenance	\$3,935,287	\$3,938,600	\$4,149,700	\$3,844,655	\$4,012,410
(All Divisions) Capital Costs (Expenses & Debt Repayment All Divisions)	\$4,525,639	\$5,536,000	\$3,313,200	\$3,744,109	\$3,325,000
TOTAL	\$8,460,926	\$9,474,600	\$7,462,900	\$7,588,764	\$7,337,410

DIVISION 270 (GLENBARD PLANT) 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.

Flow through the Glenbard Plant is billed to both the Village of Lombard and the Village of Glen Ellyn based on monthly flow billing. The historical splits between the Villages for the Glenbard Plant are 52.64% Lombard flow and 47.36% Glen Ellyn flow.

Allocations for Health Insurance, Liability Insurance, and Overhead Fees are distributed across all divisions based on the percentages outlined in the Master List of Divisional Splits in the Appendix.

Budget 2012-2013 **Operations & Maintenance** Division 270 **Expense Allocation to Partners**

REVENUE

		Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Operation	/Maintenance					
450010	Glen Ellyn Share - 47.36%	1,514,091	1,640,638	1,759,006	1,620,530	1,678,486
450015	Lombard Share - 52.64%	1,650,409	1,792,586	1,937,394	1,784,874	1,865,614
	Partners Allocation	3,164,500	3,433,224	3,696,400	3,405,404	3,544,100
	Interest Income - O&M Fund	4,414	2,124	2,100	2,000	2,000
	IRMA Reimbursement	27,622	0	o	0	0
	ComEd CLR Program Rebate	66,080	101,724	59,000	59,000	0
	Cell Tower Revenue					24,000
	Miscellaneous Revenue	17	0	0	0	0
DIVISION 2	270	3,262,633	3,537,072	3,757,500	3,466,404	3,570,100

NOTE: The flow splits used to calculate partner payments for FY 2013 are as follows:

Flow split for Glen Ellyn:

47.36%

Flow split for Lombard:

52.64%

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

NOTE: The flow splits used to calculate the partner payments for FY 2012 are as follows:

Flow split for Glen Ellyn:

47.59% 52.41%

Flow split for Lombard:

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

Budget 2012-2013 Operations and Maintenance	Footnotes		EXPENSES			
Division 270 Expense Allocation to Partners	Footi	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Personnel Services		1				
510100 Salaries - Regular	1	881,220	938,397	950,000	950,000	984,500
510110 Salaries - Part-Time Ops.	2	45,433		50,000		50,000
510200 Salaries - Overtime	3	83,501	56,862	67,000		57,000
510300 Salaries - Temporary/Seasonal		20,863	17,273	25,000	15,000	20,000
510400 FICA		75,653	77,430	83,500	80,600	75,250
510500 IMRF	4	81,816	128,678	132,200	129,600	127,900
510600 State Unemployment Tax		2,100	1,824	0	0	0
Total		1,190,586	1,267,563	1,307,700	1,265,200	1,314,650
Contractual Services and Commodities						
520305 Employee Recognition		416		4.000	4.000	
520600 Dues/Subs./Fees		7,530	7,673	1,000	1,000	1,000
520615 Recruiting/Testing	_	7,330	7,673	14,000	14,000	14,000
520620 Employee Education	_	9,964	14,873	11,900	6,000	11.000
520625 Travel (Mileage)	-	9,904	14,873	500	0,000	11,900 500
520700 Pro. ServLegal		1,821	5,816	10,000	3,000	6,000
520750 Legal Notices		3,047	1,140	1,000	500	1,000
520775 Regulatory Fees		52,500	52,500	52,500	52,500	52,500
520776 TMDL Commitment		25,758	20,619	21,000	21,000	21,000
520806 Pro. ServLab.		18,926	17,533	15,000	22,000	22,000
520816 Design Engineering	5	892	8,474	10,000	17,000	10,000
520825 Audit Fees / Pro. ServAcct.	6	14,200	12,440	15,000	13,000	15,000
520835 Bank Charges		0	0	0	0	0
520885 Insurance - Liability	7	189,683	164,047	178,400	170,000	152,000
520895 Insurance - Health	8	147,614	203,900	207,200	207,000	223,300
520970 Maint Bldg.& Grds.		15,053	9,629	12,500	12,500	12,500
520971 Bldg. & Grounds - Support		26,097	56,569	63,200	50,000	63,300
520975 Maint Equipment		56,650	39,292	44,400	37,000	44,400
520976 Maint Support	9	64,881	96,533	86,700	50,000	94,900
520980 Maint Electronics		84,366	65,817	99,800	80,000	90,000
520981 Elect Support		131,000	37,948	57,900	50,000	67,650
520990 Operations - Supplies		9,045	4,376	10,000	8,000	10,000
520991 Operations - Support		62,423	53,495	64,800	50,000	58,800
521130 Overhead Fees	10	230,800	116,700	117,200	117,204	117,200
521150 Sludge Disposal - Land Applied	11	184,883	166,457	228,000	180,000	200,000
521195 Telecommunications		35,274	32,386	30,000	33,000	35,800
521201 Electric Power	12	873,093	918,978	800,000	800,000	650,000
521202 * Natural Gas	13	111,544	111,278	120,000	50,000	100,000
521203 Water	14	34,922	36,714	42,000	42,000	55,000
521204 Self-Gen Gas	\perp	6,004	6,824	8,000	6,500	7,000
530100 Office Expenses	++	13,228	16,122	17,800	15,000	18,300
530106 Operating Supplies - Lab 530225 Safety		14,706	11,467	15,000	14,000	15,000
530440 Chemicals	15	14,226	14,172	17,900	15,000	18,400
530445 Uniforms	15	57,656	69,985	70,000	57,000	60,000
OUT TO OTHORNIO	++	5,874	5,125	7,000	7,000	7,000
Total		2,504,076	2,378,882	2,449,700	2,201,204	2,255,450
TOTAL DIVISION 270	++	2 504 555	0.040.445	0.757		
TOTAL DIVISION 270		3,694,662	3,646,445	3,757,400	3,466,404	3,570,100

^{* 270-521202} Natural Gas is sigficantly lower for estimated FY 2012 due to a \$19,977 credit from the previous year.

DIVISION 270 (GLENBARD PLANT) O&M FOOTNOTES

(1) <u>SALARIES:</u> (\$984,500) - Provides for a total of fourteen (14) full-time staff members. Staff's time is split among eight (8) activities including the Glenbard Plant, Lombard CSO Plant, South Regional Interceptor, North Regional Interceptor, St. Charles Rd Lift Station, Valley View Lift Station, SRI Lift Station, and the Sunnyside Lift Station with the allocations for FY13 as follows:

270-Glenbard Plant	\$984,500
271-Lombard CSO	20,500
272-North Regional Interceptor	3,000
273-South Regional Interceptor	1,000
274-St. Charles Rd L.S	7,000
275-Valley View L.S	4,000
276-SRI L.S	1,000
277-Sunnyside L.S	1,000
Total All Divisions	\$1,022,000
	, ,, ,

The full-time equivalent for all staff is approximately 15.8 including parttime operators and seasonal staff, a figure that continues to be below the 16 to 18 range sought when reorganization began 13 years ago.

- (2) SALARIES - PART-TIME OPERATORS: (\$50,000) - 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 thirteen (13) years we have used Part-Time Operators to provide 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) <u>SALARIES OVERTIME:</u> (\$57,000) This represents a decrease from FY12. Our goal is to find a comfortable overtime figure that is less than the FY10 number. GWA continues to trend overtime and manage this expense with best management practices in mind.
- (4) <u>IMRF:</u> (\$132,200) This represents a 1% increase over the FY12 budget number.

- (5) <u>DESIGN ENGINEERING:</u> (\$10,000) 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.
- (6) <u>AUDIT FEES:</u> (\$15,000) For the fifth (5th) consecutive year the audit will be \$5,000 higher than normal to accommodate for the single audit that is required for the IEPA Digester Project loan.
- (7) INSURANCE LIABILITY: (\$152,000) 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 FY13 and an excess liability policy. This Line item is a 15% reduction compared to the FY12 budget number. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.
- (8) <u>INSURANCE HEALTH:</u> (\$223,300) Health care is provided through the Village of Glen Ellyn plan.
- (9) MAINTENANCE SUPPORT: (\$94,900) This line item reflects work previously budgeted in the Maintenance-Contractual line item. The most significant expenses included in this item in FY13 are the Cryo maintenance costs (\$20,000), the engine service agreement on the Co-Gen (\$9,000), and vehicle maintenance costs (\$39,200) provided by the Village of Glen Ellyn's Equipment Services Division. Every five (5) years an in-depth maintenance procedure is done on the cryogenic system and the costs expensed to the Capital budget. A five (5) year turnaround was completed in FY12. Proposed Oxygen facility upgrade costs continue in the O & M budget for FY13.
- (10) OVERHEAD FEES: (\$117,200) Overhead fees have been held for the third (3rd) consecutive year at the FY11 agreed upon number.
- (11) <u>SLUDGE DISPOSAL FEES:</u> (200,000) A reduction of \$28,000 is a result of process changes associated with the completion of the Anaerobic Digester System as well as a new three (3) year hauling contract which yielded a 4.6% decrease in cost per cubic yard hauled. This is a 12% total reduction in annual hauling costs.
- (12) <u>ELECTRIC POWER:</u> (\$650,000) GWA recently entered into a three (3) year agreement with Direct Energy for Fixed Fee of \$.03999/KWH. We are budgeting this year as an approximate average of the 2010-2011 utilization of power. Our power consumption is directly

impacted by wet weather conditions impacting our facilities. The budgeted amount for FY13 is 18% less than the FY12 budget number due to the average charge in 2011 of \$.055/KWH.

- (13) NATURAL GAS: (\$100,000) GWA has placed the second larger capacity boiler in service during the completion of the Anaerobic Digester Improvement project. This is a new process control strategy for GWA, which means putting our confidence in the equipment and the operating procedure that we will be able to save a significant amount of money if this process operates as designed. We are also seeking competitive bids for natural gas during the later part of the budget process, and are anticipating lower cost per therm heading into FY13.
- (14) <u>WATER:</u> (\$55,000) Potable water used at GWA is purchased from the Village of Glen Ellyn. The 30% increase is due to the DuPage Water Commission increase that is being absorbed by all suburbs of Chicago receiving Lake Michigan water.
- (15) <u>CHEMICALS</u>: (\$60,000) 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. A 14% reduction from FY12 is due to the completion of the Anaerobic Digester Project which has positively impacted the volume of sludge dewatered and the utilization of polymer.

DIVISION 271 (STORMWATER PLANT) O&M NARRATIVE

Division 271 is the Glenbard Wastewater Authority Stormwater Plant. This facility is 100% Village of Lombard flow and is only utilized for operation during excess flow events. The Stormwater Plant is capable of processing 57 MDG of combined sewer flow.

Budget 2012-2013 Operations & Maintenance Division 271 Stormwater Plant

REVENUE

Otomiwater Flant					
	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Operation/Maintenance					
450015 Lombard Share	187,120	210,027	233,200	241,500	217,100
DIVISION 271	187,120	210,027	233,200	241,500	217,100

Budget 2012-2013				EXPENSES			
	ons & Maintenance	Footnotes					
Division		ŏ	Actual	Actual	Approved	Estimated	Budgeting
Stormw	ater Plant	<u> </u>	FY 2010	FY 2011	FY2012	FY2012	FY2013
						7.5	
	el Services						
510100	Salary-Regular	1	25,904	19,951	19,800	39,000	20,500
	Overtime	2	7,333	3,109	7,000	4,500	5,000
510400			2,440	1,679	2,000	3,000	1,600
510500	IMRF		2,773	2,990	3,500	5,000	2,700
	Total		38,450	27,729	32,300	51,500	29,800
Operation	ns & Maintenance						
		LI				l	
	Regulatory Fees		20,000	20,000	23,000	23,000	23,000
520776	TMDL Commitment (Lombard)		0	3,027	3,100	3,100	3,100
	Design Engineering		0	0	0	0	0
	Insurance - Liability	3	0	9,165	11,600	11,000	9,900
520895	Insurance - Health		3,088	4,100	5,100	5,100	5,500
	MaintBldgs.& Grnds.		10,476	8,308	12,000	11,000	12,000
	MaintEquipment		2,716	2,373	1,600	6,700	4,100
	MaintElectronics	4	5,189	51,284	48,100	52,000	53,500
	Overhead Fees		4,900	2,500	2,900	2,900	2,900
	Telecommunications		3,209	2,735	3,500	3,200	2,600
	Electric Power		40,525	34,692	30,000	21,000	20,000
	Natural Gas		4,660	3,699	3,000	3,000	3,000
521203			3,005	3,793	5,000	15,000	6,000
530105	Operations		1,269	1,407	2,000	2,000	1,700
	Total		99,037	147,083	150,900	159,000	147,300
Commod	ities	+					
	Chemicals		49,633	35,215	50,000	31,000	40,000
	Total		49,633	35,215	50,000	31,000	40,000
Total Divi	sion 271		187,120	210,027	233,200	241,500	217,100

^{* 271-521203} estimated FY 12 indicates a significant increase in water due to a leak in the system.

DIVISION 271 (STORMWATER PLANT) O&M FOOTNOTES

- (1) <u>SALARIES:</u> (\$20,500) The salaries for this division were based on actual expenses derived from FY11 tracking information. This was done due to the extra time staff spent during FY12 at the Stormwater Facility due to the improvement project.
- (2) <u>SALARIES OVERTIME:</u> (\$5,000) The overtime budget for the new divisions were calculated the same way as the salaries. The percentages will vary due to the nature of unanticipated events that cause overtime.
- (3) <u>INSURANCE LIABILITY:</u> (\$9,900) For percentage splits please refer to the Master Sheet in the appendix.
- (4) MAINTENANCE ELECTRONICS: (\$53,500) This majority of the costs associated with this line item are the flow meters that meter the Lombard flow on the NRI. It also includes the rain gauge that is located at the Stormwater Facility.

DIVISION 272 (NRI) O&M NARRATIVE

Division 272 is 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 Lombard Plant upgrade in 2002.

Budget 2012-2013 Operations & Maintenance Division 272 North Regional Interceptor

REVENUE

		Actual FY2010	Actual FY2011	Approved FY 2012	Estimated FY2012	Budgeting FY2013
	/Maintenance				1	
450015	Glen Ellyn Share - 34.45%	13,768	6,853	7,361	5,641	18,414
450010	Lombard Share - 65.55%	22,507	11,015	14,039	10,759	35,036
	Total	36,275	17,868	21,400	16,400	53,450
DIVISION 2	272	36,275	17,868	21,400	16,400	53,450

NOTE: The NRI moves about 65% of the total flow to the Glenbard Plant.

Budget 2012-2013 Operations & Maintenance		otes	EXPENSES				
Division 272 North Regional Interceptor (NRI)		Footnotes	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Personnel Service							
510100	Salary-Regular	1	12,222	3,320	5,000	2,500	3,000
	Overtime	2	1,596	269	1,200	100	500
510400			1,012	261	500	200	250
510500	IMRF		1,140	521	800	300	400
	Total		15,970	4,371	7,500	3,100	4,150
Operations & Mai	ntenance						
	Insurance - Liability	3	0	5,474	5,500	5,300	4,800
	Insurance - Health		794	1,000	1,200	800	1,300
	MaintPiping & Grnds.	4	917	0	0	0	36,000
	MaintElectronics		226	6,423	6,500	6,500	6,500
	Overhead Fees		1,200	600	700	700	700
	Telecommunications		1,349	0	0	0	0
521201	Electric Power		15,819	0	0	0	0
	Total		20,305	13,497	13,900	13,300	49,300
Total Div. 272	Total		36,275	17,868	21,400	16,400	53,450

DIVISION 272 (NRI) O&M FOOTNOTES

- (1) <u>SALARIES:</u> (\$3,000) The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) SALARIES OVERTIME: (\$500) The overtime costs vary year to year due to the nature of unanticipated events that cause overtime.
- (3) <u>INSURANCE LIABILITY:</u> (\$4,800) For percentage splits please refer to the Master Sheet in the appendix.
- (4) MAINTENANCE PIPING&GROUNDS: (\$36,000) The increase in this line item is due to the televising and cleaning scheduled for the North Regional Interceptor.

DIVISION 273 (SRI) O&M NARRATIVE

Division 273 is the South Regional Interceptor (SRI). The 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, 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 through the Village of Glen Ellyn.

Budget 2012-2013 Operations & Maintenance Division 273 South Regional Interceptor

REVENUE

	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Operation/Maintenance					
450010 Glen Ellyn Share	19,332	20,503	22,100	19,208	58,650
DIVISION 273	19,332	20,503	22,100	19,208	58,650

NOTE: The SRI moves about 7% of the total Glenbard flow.

Footnotes Budget 2012-2013 **EXPENSES Operations & Maintenance** Division 273 Actual Actual Approved Estimated **Budgeting** South Regional Interceptor (SRI) FY2010 FY2011 FY 2012 FY2012 FY2013 **Personnel Services** 510100 Salary-Regular 1 975 1,000 2,610 2,000 1,000 510200 Overtime 2 570 134 500 100 500 510400 FICA 231 100 80 300 100 510500 IMRF 265 156 400 200 150 Total 3,676 1,345 3,200 1,400 1,750 Operations & Maintenance 520776 TMDL Commitment 0 2,112 2,100 2,100 2,100 520885 Insurance - Liability 3 0 3,137 2,500 2,358 2,200 520895 Insurance - Health 794 1,000 700 500 500 520970 Maint.-Piping & Grnds. 4 1,005 0 0 0 36,000 520975 Maint.-Equipment 2,777 0 0 550 520980 Maint.-Electronics 12,309 13,500 12,000 15,600 0 521130 Overhead Fees 1,200 600 300 300 300 521195 Telecommunications 1,896 0 0 0 0 521125 Leased Equipment 0 0 0 0 521201 Electric Power 7,984 0 0 0 0 Total 15,656 19,158 18,900 17,808 56,900 **Total Division 273** 19,332 20,503 22,100 19,208 58,650

DIVISION 273 (SRI) O&M FOOTNOTES

- (1) <u>SALARIES:</u> (\$1,000) The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) <u>SALARIES OVERTIME:</u> (\$500) The overtime budget for the new divisions were calculated the same way as the salaries. The percentages will vary due to the nature of unanticipated events that cause overtime.
- (3) <u>INSURANCE LIABILITY:</u> (\$2,200) For percentage splits please refer to the Master Sheet in the appendix.
- (4) MAINTENANCE PIPING&GROUNDS: (\$36,000) The increase in this line item is due to the televising and cleaning scheduled for the South Regional Interceptor.

DIVISION 274 (ST. CHARLES ROAD LIFT STATION) O&M NARRATIVE

Division 274 is the St. Charles Road Lift Station located next to Ackerman Park in Glen Ellyn. The St. Charles Road 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 2012-2013
Operations & Maintenance
Division 274
St. Charles Road Lift Station

REVENUE

	Actual FY2010	Actual FY2011	Approved FY 2012	Estimated FY2012	Budgeting FY2013
Operation/Maintenance					
450010 Glen Ellyn Share		78,834	81,650	67,670	81,160
DIVIDION OZ 4					
DIVISION 274	0	78,834	81,650	67,670	81,160

NOTE: The St. Charles Road Lift Station moves about 11% of the total Glenbard flow.

	2012-2013 ons & Maintenance	otes		EXPENSES	i		
Division 274 St. Charles Road Lift Station		Footnotes	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
	nel Services						
	Salary-Regular	1		10,239	9,900	6,000	7,000
	Overtime	2		6,344	1,200	1,000	1,200
510400				1,207	800	500	550
510500	IMRF			1,959	1,500	900	250
	Total		0	19,749	13,400	8,400	9,000
	ons & Maintenance						
520885	Insurance - Liability	3		1,230	6,000	5,720	5,100
	Insurance - Health			2,100	2,100	2,100	2,300
	MaintBldgs.&Grnds.			618	600	300	600
	MaintEquipment	4		181	750	750	12,850
	MaintElectronics			32,707	38,200	30,000	32,500
521130	Overhead Fees			1,200	1,200	1,200	1,200
	Telecommunications			3,018	4,400	4,200	6,610
521201	Electric Power			18,031	15,000	15,000	11,000
							111111111111111111111111111111111111111
	Total		0	59,085	68,250	59,270	72,160
Total Div	ision 274		0	78,834	81,650	67,670	81,160

DIVISION 274 (ST. CHARLES ROAD LIFT STATION) O&M FOOTNOTES

- (1) <u>SALARIES:</u> (\$7,000) The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) <u>SALARIES OVERTIME:</u> (\$1,200) The overtime budget for the new divisions were calculated the same way as the salaries. The percentages will vary due to the nature of unanticipated events that cause overtime.
- (3) <u>INSURANCE LIABILITY:</u> (\$5,100) For percentage splits please refer to the Master Sheet in the appendix.
- (4) MAINTENANCE EQUIPMENT: (\$12,850) The increase in this line item is due to the need for annual preventative maintenance service on the new submersible pumps and the larger generator

DIVISION 275 (VALLEY VIEW LIFT STATION) O&M NARRATIVE

Division 275 is the Valley View Lift Station, located at the corner of Shagbark and Arbor in the Valley View Subdivision. The Valley View Subdivision is south of Route 56 and lies between Route 53 and Park Boulevard. A 10" force main exits the Valley View Lift Station and runs north along Route 53 for about 1 mile, where it becomes a gravity sewer. The wastewater being pumped by the Valley View Lift Station is 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 through the Village of Glen Ellyn.

Budget 2012-2013 Operations & Maintenance Division 275 Valley View Lift Station

REVENUE

		Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Operation	n/Maintenance					
	Glen Ellyn Share	0	18,990	25,900	27,500	23,900
DIVISION	N 275	0	18,990	25,900	27,500	23,900

NOTE: The Valley View Lift Station moves about 5% of the total Glenbard flow.

	2012-2013 ons & Maintenance	Footnotes		EXPENSES	6		
Valley V	Division 275 Valley View Lift Station		Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
	nel Services						
	Salary-Regular	1		3,565	3,500	5,200	4,000
	Overtime	2		1,645	1,500	3,900	1,500
510400				378	500	700	600
510500	IMRF			612	900	1,100	900
	Total		0	6,200	6,400	10,900	7 000
				0,200	0,400	10,900	7,000
	ons & Maintenance						
520885	Insurance - Liability	3		615	2,000	2,000	1,800
	Insurance - Health			1,100	1,000	1,000	1,200
	MaintBldgs.&Grnds.			879	1,000	1,300	1,000
	MaintEquipment			0	2,100	1,500	2,100
	MaintElectronics	4		3,233	4,300	2,200	4,300
	Overhead Fees			600	600	600	600
	Telecommunications			1,149	1,000	1,000	900
521201	Electric Power			5,214	7,500	7,000	5,000
	Total		0	12,790	19,500	16,600	16,900
						. 5,500	10,000
Total Div	rision 275			40,000	25.000	07.500	
TOTAL DIV	ISION AT J		0	18,990	25,900	27,500	23,900

DIVISION 275 (VALLEY VIEW LIFT STATION) O&M FOOTNOTES

- (1) <u>SALARIES:</u> (\$4,000) The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) <u>SALARIES OVERTIME:</u> (\$1,500) The overtime budget for the new divisions were calculated the same way as the salaries. The percentages will vary due to the nature of unanticipated events that cause overtime.
- (3) <u>INSURANCE LIABILITY:</u> (\$1,800) For percentage splits please refer to the Master Sheet in the appendix.
- (4) MAINTENANCE ELECTRONICS: (\$4,300) The largest portion of this line item is the Rain Gauge that is operated and maintained by ADS as part of the flow metering agreement.

DIVISION 276 (SRI LIFT STATION) O&M NARRATIVE

Division 276 is the SRI Lift Station located on the Southeastern corner of GWA's main treatment facilities. 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 through the Village of Glen Ellyn.

Budget 2012-2013 Operations & Maintenance Division 276 SRI Lift Station

REVENUE

	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Operation/Maintenance					
450010 Glen Ellyn Share		6,481	4,750	4,808	4,700
DIVISION 276	0	6,481	4,750	4,808	4,700

NOTE: The SRI Station pumps about 7% of the total Glenbard flow.

	2012-2013 ons & Maintenance	otes		EXPENSES	3		
Division SRI Lift S	276	Footnotes	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
	el Services						
	Salary-Regular	1		901	1,000	800	1,000
	Overtime	2		0	0	0	0
510400				66	70	70	100
510500	IMRF			107	130	100	150
	Total		0	1,074	1,200	970	1,250
	ns & Maintenance					/	
	Insurance - Liability	3		615	1,500	1,438	1,300
	Insurance - Health			1,100	200	200	300
	MaintEquipment			0	750	200	750
	MaintElectronics	4		0	1,000	1,900	1,000
	Overhead Fees			600	100	100	100
521201	Electric Power			3,092	0	0	0
	Total		0	5,407	3,550	3,838	3,450
Total Divi	ision 276		0	6,481	4,750	4,808	4,700

DIVISION 276 (SRI LIFT STATION) O&M FOOTNOTES

- (1) <u>SALARIES:</u> (\$1,000) The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) <u>SALARIES OVERTIME:</u> (\$0) The overtime budget for the new divisions were calculated the same way as the salaries. The percentages will vary due to the nature of unanticipated events that cause overtime. This year we are not budgeting for overtime at the SRI Lift Station.
- (3) <u>INSURANCE LIABILITY:</u> (\$1,300) For percentage splits please refer to the Master Sheet in the appendix.
- (4) MAINTENANCE ELECTRONICS: (\$1,000) Miscellaneous budgeted repairs.

DIVISION 277 (SUNNYSIDE LIFT STATION) O&M NARRATIVE

Division 277 is 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.

Budget 2012-2013 Operations & Maintenance Division 277 Sunnyside Lift Station

REVENUE

	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Operation/Maintenance					
450010 Glen Ellyn Share		1,273	3,300	1,165	3,350
DIVISION 277	0	1,273	3,300	1,165	3,350

NOTE: Sunnyside Lift Station pumps less than 1.0% of GWA flow.

Budget 2012-2013	otes		EXPENSES			
Operations & Maintenance Division 277 Sunnyside Lift Station	Footnotes	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
Personnel Services						
510100 Salary-Regular	1		42	1,000	100	1,000
510200 Overtime			0	0	0	0
510400 FICA			3	70	10	100
510500 IMRF			5	130	10	150
Total		0	50	1,200	120	1,250
Operations & Maintenance						
520885 Insurance - Liability	2		246	500	445	400
520895 Insurance - Health			500	200	200	300
520975 MaintEquipment			0	500	100	500
520980 MaintElectronics	3		177	800	200	800
521130 Overhead Fees			300	100	100	100
Total		0	1,223	2,100	1,045	2,100
Total Division 277		0	1,273	3,300	1,165	3,350

DIVISION 277 (SUNNYSIDE LIFT STATION) O&M FOOTNOTES

- (1) <u>SALARIES:</u> (\$1,000) The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) <u>INSURANCE LIABILITY:</u> (\$400) For percentage splits please refer to the Master Sheet in the appendix.
- (3) MAINTENANCE ELECTRONICS: (\$800) Miscellaneous budgeted repairs.

RESERVED

FOR

FUTURE USE

Fund 40 Capital Plan	ψ											
	Footnotes											
REVENUE in Thousands\$	ו אָּ וֹ	FY(2010)	FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)	FY(2018)	FY(2019)	FY(2020)
	ŏ	Actual	Actual	Estimated			Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing	-	2997	660	665					3000			0
Investment Income	 	18	7	7					17			20
Gien Ellyn Conn Fees	+	19	63	15	15	25			25			25
Lombard Conn Fees	-	11	9						25	25		25 25
Miscellaneous Revenue		11	14			10			10			10
O&M Sinking Fund	1	2212	2200			1740			2000			2000
TOTAL REVENUE	 -	5268	2953	2174		1810	1972	1974	5077	4080		2080
	+	SASSIFICATION OF					1012	15/4	3017	4000	2000	2000
EXPENSES in Thousands\$	1	FY(2010)	FY(2011)				FY(2015)	FY(2016)	FY(2017)	FY(2018)	FY(2019)	FY(2020)
	+	11(2010)	, , 20 , 1 ,	1 1(2012)	11(2010)	1.1(2014)	1 1(2013)	1 1(2010)			F1(2019)	
Interfund Transfer To Capital Fund 41	╁	<u> </u>	1263		**************************************				The second of the second	A CONTRACTOR OF THE PARTY OF TH	NO STATE OF	
Interfund Transfer To Capital Fund 44	+	 	2400		 		<u> </u>				ļ	
IFT Total	┼					ļ <u>-</u>						
IF I TOTAL	_	0	3663	0	0	0	0	0		0	0	
B.118				نسننسن						100	2	110
Debt Service Payments:	ļ	Actual	Actual	Estimated	Budgeting	Planning	Planning	Planning	Planning		Planning	Planning
Future Projects - For Planning Purposes Only									480	480	480	480
CSO Project Debt Payment (P&I) - (See Div 41 Capital)	L	74					1_			l	I	
BIP Project Debt Payment (P & I)	2	379	379	379	379	379	379	190		1	T	
Ana Digester Project Debt Payment (P & I)	3		521	521	521	521	521	521	521	521	521	521
Debt Service Subtotal	1	453	900	900	900							1001
	1				300	1 200	1 300					
Capital Outlay	1				1		- No. 2 - 1 - 2		A. A. TART COMPANIE	A PARTICIPATION OF THE PARTICI	Bearings : Property Bar der	A
Rolling Stock	_	73	20	0	185	70	93	75	75	93	93	93
Small Capital Projects	4	154	125	55		100						100
Infrastructure Improvements	5	117	56									250
Roof Replacements	6	22	- 50	50								60
Plant Equipment Rehabilitation	7	203		75								300
Cryo Upgrade Phase 2 (Oxygen System Rehab)	8	200		200			300	300	300	300	300	300
Cryo 1Yr & 5Yr Maintenance	9		20					150	ļ			<u></u>
Engineering	13		20		20	ļ 	<u> </u>	150			 	
Facility Plan	 	ļ		45					ļ	 		ļ
Asset Analysis	+			39						 	ļ	
Capital Improvements	╅			39								
		ļ			L			ļ <u>.</u>				
Digester Improvement Project Engineering	₩	L			ļ							
Construction	┿	457	142			ļ	 				ļ	ļ <u>.</u>
Legal General Counsel	-	2584	442							ļ	 	
	+	ļ		30	ļ					ļ <u>.</u>	<u> </u>	
O&M Manual Update	 				ļ		300	300	ļ		ļ	
Lombard CSO Improvements	+	23			ļ	<u> </u>					Ļ	
Screw Pump Rehabilitation or Replacement	10		ļ			ļ			ļ	ļ	 	
Engineering					100						ļ	
Construction	+		ļ	ļ	750			<u> </u>	ļ	 	ļ	ļ
Raw Pump VFD Replacement/Control Room	11				<u> </u>		 		1	ļ	<u> </u>	
Engineering	1-			ļ	50		ļ	<u> </u>		<u> </u>		
Construction	-			ļ	 	450			 	ļ	1	
Elect. Distribution Maint	1	ļ	l	ļ		100				125	·	
Future / Past Capital Improvements	<u> </u>		ļ			1				<u> </u>	L	
ADS Flow Meter Upgrades - Completed					L		1				240	
Phosphorus Removal									3000	2000		
Intermediate Clarifier Trough Replacements	1				<u> </u>		250	250				
St. Charles Road Lift Station - Completed	-	441			<u> </u>							
Clarifier Drive Purchase - Completed	1				ļ							
CMMS - Completed	↓		1			L				L		L
Lab Fire Suppression System Replacement		L				L			1			
Project Total		4074	805	1513	2231	1091	1298	1407	3886	2906	1033	803
	3	1				4 A 1 C 1 C			5272 622			100
IFT/DEBT SERVICES / PROJ TOTAL	T	4527	5368	2413	3131	1991	2198	2118				
	1		3300		2701	1331	2130		Comments of the Comments of th		2034	
Cash on Hand 5/1	1	4540	5281	2866	2627	1163	982	756				1021
Gain/Loss FY	+	741	(2415)						612			
Cash on Hand 4/30	+	5281	2866	2627	1163	(181) 982	(226) 756	(144) 612	190 802	173 975	46 1021	276 1297

		Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
40 440600	CONNECTION FEES - GLEN ELLYN	19,000	63,078	15,000	15,000	15,000
40 440601	CONNECTION FEES - LOMBARD	11,000	8,555	15,000	20,000	20,000
40 450010	GLEN ELLYN - 47.36%	2,212,000	1,071,690	698,292	698,292	758,139
40 450015	LOMBARD - 52.64%		1,128,310	769,108	769,108	842,661
40 460100	INVESTMENT INCOME	18,000	7,186	7,000	6,000	7,000
40 480450	PROCEEDS FROM BORROWING	2,997,000	659,556	-	665,000	-
40 489000	MISCELLANEOUS REVENUE	11,000	13,734	-	-	24,000
REVENUES TO	TAL:	5,268,000	2,952,109	1,504,400	2,173,400	1,666,800
Interfund Trans	fers					
	INTERFUND TRANSFER TO CAPITAL FUND 41		1,263,000			
	INTERFUND TRANSFER TO CAPITAL FUND 44	+	2,400,000		-	
IFT SUBTOTAL:			3,663,000	- -	-	
DDINICIDAL 9 IN	TEDEOT		0,000,000			
PRINCIPAL & IN						
40 550050	IEPA CSO LOAN PRINCIPAL	64,000	-	-	-	_
40 550900	IEPA CSO LOAN INTEREST EXPENSE	10,000				-
40 550100	IEPA BIOSOLIDS LOAN PRINCIPAL	323,000	331,303	348,000	348.000	348,000
40 550950	IEPA BIOSOLIDS LOAN INT EXP	55,900	47,524	30,200	30,200	31,000
40 550110	IEPA DIGESTER PRINCIPAL		361,116	370,200	370,200	370,200
40 550960	IEPA DIGESTER INTEREST		159,829	150,800	150,800	150,800
PRINCIPAL & IN	TEREST TOTALS:	452,900	899,772	899,200	899,200	900.000
CAPITAL OUTLA	ΔΥ·					
40 570155	ROLLING STOCK - VEHICLES	73,000	19,916			405.000
40 580120	SMALL CAPITAL PROJECTS	154,000	125,181			185,000
40 580120	ADS METER UPGRADE	154,000	120,101	88,000	55,000	126,000
40 580140	INFRASTRUCTURE UPGRADES	117,000	55,330	414,000	250,000	500.000
40 580145	ROOF UPGRADES	22,000	- 35,330	50,000	250,000 50,000	520,000
40 580150	PLANT EQUIPMENT REHABILITATION	203,000	19,177	151,000	75,000	100,000
40 580150	OXYGEN SYSTEM REHABILITATION	203,000	19,177	100,000	200,000	30,000
40 580150	CRYO 1YR & 5YR MAINTENANCE			130,000	60,000	350,000 20,000
40 580170	SCREW PUMP REHAB OR REPLACEMENT			130,000	60,000	850,000
40 580180	RAW PUMP VFD REPLACE/CONTROL ROOM					50,000
40 580190	ELECTRICAL DISTRIBUTION MAINTENANCE					30,000
40 580600	FACILITY PLAN			75,000	45,000	
40 580610	ASSET ANALYSIS			75,000	38,500	-
	01 BIO SOLIDS ENGINEER SERVICES		141,991	70,000	43,907	-
40 580239	ANAEROBIC DIGESTER IMPROVEMENTS	2,584,000	141,001		665,000	
40 580239	ENGINEERING	457.000			000,000	
40 580239	CONSTRUCTION	107,000	442,187			
	01 ST. CHARLES LIFT STATION	441,000	1,560		1,802	
40 580475	LOMBARD PLANT UPGRADES	23,000	1,000		1,002	
40 580620	O & M MANUAL UPDATE	20,000	_			
40 520700	LEGAL-GENERAL COUNSEL				30,000	
CAPITAL OUTLA		4,074,000	805,342	1,083,000	1,514,209	2,231,000
PRINCIPAL & INT	FEREST / CAPITAL OUTLAY TOTALS					
. MITOR AL GINT	ENCOT, CAPITAL OUTLAT TOTALS	4,526,900	1,705,114	1,982,200	2,413,409	3,131,000

FUND 40 (GLENBARD PLANT) CAPITAL FOOTNOTES

(1) Sinking Fund (\$1,601,000) — Dedicated contributions from both communities to support capital expenses. This allocation of funding began in FY11 and is not supported by a signed Intergovernmental Agreement. Joint accounts are split according to flow rate. Funding split is based on FY12 budget discussions between the Villages of Lombard and Glen Ellyn resulting in contributions being assessed per the following table:

Fund	Asset Allocation %	Glen Ellyn 47.36%	Lombard 52.62%	Total
40 – Glenbard Plant	66.7%	\$758,139	\$842,661	\$1,600,800
41 – Lombard CSO	12.0%	\$0	\$288,000	\$288,000
42 – NRI	6.9%	Glen Ellyn 34.45% \$57,049	Lombard 65.55% \$108,551	\$165,600
43 – SRI	3.1%	\$74,400	\$0	\$74,400
44 – St. Charles L.S.	6.7%	\$160,800	\$0	\$160,800
45 – Valley View L.S.	2.0%	\$49,200	\$0	\$49,200
46 – SRI L.S.	2.0%	\$49,200	\$0	\$49,200
47 – Sunnyside L.S.	0.5%	\$12,000	\$0	\$12,000
Total	100%	\$1,160,588	\$1,239,212	\$2,400,000

- (2) <u>BIP Project Debt Payment:</u> (\$379,000) Repayment of IEPA Loan for the 2003 Biosolids Improvement Project. The amount of the loan was \$3,130,711 to be paid back over ten (10) years at an interest rate of 2.57%. Final payment is expected in FY2016.
- (\$521,000) Repayment 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. As of February 2012 Final Completion has not been awarded, but the project has successfully mediated with only a punch list of work to complete. Repayment to the IEPA loan began during FY2011.
- (4) <u>Small Capital Projects:</u> (\$126,000) Provides for small capital replacements. A few of the planned projects for FY2013 include:

Software Upgrades (OS & Application)	\$20,000
Server Replacement Project	\$30,000
SCADA System Upgrades-Servers Software	\$50,000
Workstation, Firewall Replacements	\$10,000
Scada Laptop Replacements	\$5,000

(5) <u>Infrastructure Improvements:</u> (\$520,000) – Provides for various infrastructure improvements throughout the Glenbard Plant. A few of the planned projects for FY2013 are listed below:

HVAC Systems Replacement	\$3,500
Magnetic Flow Meter Replacement	\$30,000
Primary Diversion Structure AHU Replacement	\$30,000
Plant Lighting Retrofit Project	\$85,000
Door and Sidewalk Repair	\$1,500
Thickened Primary Sludge Density Meter	\$40,000
Unox Inlet Channel	
Complete Pipe Gallery Concrete (Construction)	\$200,000
Road Repairs - Glenbard Plant Service Road Resurfacing	\$110,000
Clarifier Trough Repairs (Second Year of 4-year Project)	\$20,000

(6) Roof Replacements: (\$100,000) – Replacement of the roofs at the Admin Building (R). This line item is included within the Infrastructure Improvements.

- (7) Plant Equipment Rehabilitation: (\$30,000) Influent Pump suction valve rehabilitation. In place rehabilitation of the internal working parts of the 36" plug valves. This is a more economical approach versus replacement of the valves with new. The cost is almost double to replace the valves with new.
- (8) Oxygen System Rehabilitation Plan Phase II: (\$350,000) Evaluation and update of the Cryogenic Oxygen Facility. This particular phase of this work is installation of new electric pneumatic controllers for the Cryo plant and the Unox Deck.
- (9) <u>Cryo 1 Year Maintenance:</u> (\$20,000) Scheduled one (1) year turnaround calibration and inspection of instrumentation and valves associated with the Cryogenic Facility.
- (10) Screw Pump Rehabilitation or Replacement: (\$850,000) GWA is currently evaluating the best alternative to replace a failing thirty-five (35) year old intermediate pumping station within the Glenbard Plant process. The station had a catastrophic failure on one of the pumps in the late summer of 2011. The budgeted price includes costs for replacement screw pumps and all appurtenances, engineering, and construction. The evaluation that GWA is currently undertaking will determine if the screw pumps are indeed the best pump economically and functionally for this station. We are hoping that newer technology will prevail and we will have a less expensive more functionally maintainable pumping station.
- (11) Raw Pump (Variable Frequency Drive): (\$50,000) —
 Design for replacement of the 16 year old adjustable frequency drives for the three main Glenbard Plant influent pumps. The drives have started to give us problems over the past year requiring more electrical maintenance than normal. It has been recommended that these drives have extended their useful life and should be evaluated for replacement.

FY2013 Lombard Combined Sewerage Treatment Facility Fund 41 Capital Plan

	otes										
REVENUE in Thousands\$	ootu	FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)	FY(2018)	FY(2019)	FY(2020)
	F.	Actual	Estimated	Budgeting	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing				<u> </u>				- idining	1 idining	ranning	riaining
Interfund Transfer From Capital Fund 40		1263						 	 		
Investment Income		2									
Miscellaneous Revenue		0			····			 			
Sinking Fund	1	0	264	288	312	264	336	336	336	336	220
TOTAL REVENUE		1265	264	288	312		336		336		
		in a possible				204		330			
EXPENSES in Thousands\$		FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)	FY(2018)	FY(2019)	FY(2020)
Debt Service Payments:		Actual		Budgeting		Planning	Planning				
CSO Project Debt Payment (P & I)	2	74	74	74	74		Flamming	Planning	Planning	Planning	Planning
Debt Service Subtotal	-	74		74	74			0			
	\$2000				14		U				U
Capital Outlay	- 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12								<u> </u>		
Small Capital Projects		0	0	0							
Infrastructure Improvements	3	14		5							
Equipment Rehabilitation	<u> </u>	0		0				·			
Roof Replacements		0		0		<u> </u>		<u> </u>			
Capital Improvements											
Lombard Weir Study/ Lombard Upgrades	$\overline{}$							 			-
Engineering			110	0							
Construction		200	975	0					<u> </u>		
Clarifier Drive Mechanism & Structural Integrity Evaluation	4			15							
Project Total		214	1092	20	0	0	0	0	0		
	1004			2.0						U	U Maria de la composition della composition dell
DEBT SERVICES / PROJECTS TOTAL EXPENSES		288	1166		74	37	0	0			
	Supre S	£		34	14	31	U		1 *		0
Cash on Hand 5/1		0	977	75	269	507	734	1070		4740	
Gain/Loss FY		977	(902)	194	238	227	336	336	1406	1742	2078
Cash on Hand 4/30		977	75	269	507	734	1070	1406	336 1742	336	336
	<u> </u>	0,,	,,,	209	307	/34	1070	1406	1/42	2078	2414

Budget 2012-2013 Lombard Combine Sewerage Treatment Facility Fund 41 Capital Plan Capital Projects Detail

ouplius i roject.	o Detail					
		Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
41 450025	INTERFUND TRANSFER FROM CAPITAL FUND 40		1,263,000	-	-	-
	INVESTMENT INCOME		2,000			
41 450015	LOMBARD			264,000	264,000	264,000
REVENUES			4 005 000			
KEVENUES			1,265,000	264,000	264,000	264,000
41 550050	IEPA CSO LOAN PRINCIPAL	-	65,750	67,600	67,600	68,000
41 550900	IEPA CSO LOAN INTEREST EXPENSE	-	7,860	6,100	6,100	6,000
PRINCIPAL & IN	NTEREST TOTALS:	-	73,610	73,700	73,700	74,000
41 580120	SMALL CAPITAL PROJECTS			-	-	
41 580140	INFRASTRUCTURE IMPROVEMENTS		14,000	-	-	5,000
41 580150	PLANT EQUIPMENT REHABILITATION			7,000	7,000	-
41 580475	LOMBARD WEIR STUDY/LOMBARD UPGRADES		200,000	1,085,000	1,085,000	-
41 580500	CLARIFIER DRIVE MECHANICAL & STRUCTURAL EVAL	-				15,000
CAPITAL OUTL	AY TOTALS:	•	214,000	1,092,000	1,092,000	20,000
PRINCIPAL & IN	ITEREST / CAPITAL OUTLAY TOTALS		287,610	1,165,700	1,165,700	94,000

FUND 41 (STORMWATER PLANT) CAPITAL FOOTNOTES

- (1) <u>Sinking Fund:</u> (\$288,000) Yearly contribution based off FY11 budget discussions between the Villages of Lombard and Glen Ellyn. No projects planned, money could be allocated to the failing thirty-five (35) year old Valley View Lift Station.
- (2) <u>Stormwater Plant Project Debt Payment:</u> (\$74,000) Repayment of IEPA Loan for the 2001 rehabilitation of the Lombard CSO Plant. The amount of the loan was \$630,360 to be paid back over ten (10) years at an interest rate of 2.675%. Final payment is expected in FY2015.
- (3) <u>Infrastructure Improvements:</u> (\$5,000) Platform to be utilized for lagoon discharge sampling.
- (4) Clarifier Drive Study: (\$15,000) During the Stormwater Plant Improvement project it was identified that the clarifier drive carriage steel is deteriorating and may need rehabilitation. The study or evaluation will give GWA an idea to the degree of structural deterioration that has occurred and what will be necessary to repair or replace the carriage steel.

FY2013 North Regional Interceptor Fund 42 Capital Plan

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REVENUE in Thousands\$	l de l	FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)	FY(2018)	FY(2019)	FY(2020)
	LE LE	Actual	Estimated	Budgeting	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing		0	0	0	J	3		· iuiiiiiig	r ramming	riaming	riammig
Interfund Transfer From Capital Fund 40		0.	0	0							
Investment Income		0	0	0		T.V					
Miscellaneous Revenue		0	0	0		T					
Sinking Fund	1	0	152	166	179	193	193	193	193	193	102
TOTAL REVENUE		0	152	166	179	193	193	193	193		193 193
						100	193			193	193
EXPENSES in Thousands\$	300 30 30 30	FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	EV/2047\	F)//0040)		
Debt Service Payments:		Actual	Estimated	Budgeting	Planning			FY(2017)	FY(2018)	FY(2019)	FY(2020)
	 	, totaai	Latimated	Duageting	Flaming	Planning	Planning	Planning	Planning	Planning	Planning
Debt Service Subtotal	 	Ö	0	0	0	0	U	0	0	0	0
				U	0	0	O	0	0	. 0	0
Capital Outlay	200										4.0
Small Capital Projects	\vdash	0	0								
Infrastructure Improvements	 	0	0								
	1										
								· · · · · · · · · · · · · · · · · · ·			
Capital Improvements	1		· · · · · · · · · · · · · · · · · · ·								
	\vdash										
	†					·					
	—		*								
Project Total		0	0	0	0						
			Contract the second of			0	O METORIA PARA PER	O	O	0	0
DEBT SERVICES / PROJECTS TOTAL EXPENSES	No. of the least	0	0	0							
			On the second contract of the	1	0	0	0	0	0	0	0
Cash on Hand 5/1		0	0	150	240	40-					
Gain/Loss FY	╁┈┤	0	152	152	318	497	690	883	1076	1269	1462
Cash on Hand 4/30	\vdash	0	152	166	179	193	193	193	193	193	193
		<u> </u>	102	318	497	690	883	1076	1269	1462	1655

Budget 2012-2013 North Regional Interceptor Fund 42 Capital Plan Capital Projects Detail

	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
42 450010 GLEN ELLYN - 34.45%		-	52,215	52,215	57,049
42 450015 LOMBARD - 65.55%			99,585	99,585	108,551
REVENUES			151,800	151,800	165,600
		-	-	-	_
PRINCIPAL & INTEREST TOTALS:	-		0	0	0
42 580120 Small Capital Projects			0	0	0
42 580140 Infrastructure Improvements			0	0	0
CAPITAL OUTLAY TOTALS:	-		0	0	0
PRINCIPAL & INTEREST / CAPITAL OUTLAY TOTALS	-	-	0	0	0

FUND 42 (NRI) CAPITAL FOOTNOTES

(1) <u>Sinking Fund:</u> (\$166,000) — Yearly contribution based off FY11 budget discussions between the Villages of Lombard and Glen Ellyn. No projects planned, money should be allocated to the failing thirty-five (35) year old Valley View Lift Station.

FY2013 South Regional Interceptor Fund 43 Capital Plan

tes

	ote.										
REVENUE in Thousands\$	ootn	FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)	FY(2018)	FY(2019)	FY(2020)
	E I	Actual	Estimated	Budgeting	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing						- 3		- idining	. iditiility	1 laming	1 laming
Interfund Transfer From Capital Fund 40		0								<u> </u>	
Investment Income		0									
Miscellaneous Revenue		0									
Sinking Fund	1	0	68	74	81	87	87	87	87	0.7	07
TOTAL REVENUE		0	68	74	81	87	87	87	87	87	87
	9.334	Company Company			01		67	87	0/	87	87
EXPENSES in Thousands\$		FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)	FY(2018)	FY(2019)	EV(2020)
Debt Service Payments:		Actual	Estimated	Budgeting		Planning	Planning				FY(2020)
		0	0	O	1 lanning	1 laining	riaming	Planning	Planning	Planning	Planning
Debt Service Subtotal		n	ñ	0		0		0	0	0	0
	7 Supr		U	U	U	U	l Carantana (m. 1921)	0	U	0	0
Capital Outlay	2235-452										
Small Capital Projects		0	0	0							
Infrastructure Improvements		0	0	0							
				0							
Capital Improvements			*****								
										· · · · · · · · · · · · · · · · · · ·	
Project Total		0	0	0	0						
	0.00					0	O Security of the Company of the Com		0	0	0
DEBT SERVICES / PROJECTS TOTAL EXPENSES		0	0	0	0	All Control of the Co					The state of the s
			V 999 (1 a) 1 a	V		0	0	0	0	0	0
Cash on Hand 5/1		0	0	68	142	200	240	20-	and the second s		
Gain/Loss FY		0	68	74		223	310	397	484	571	658
Cash on Hand 4/30	-	0	68	142	81 223	87 310	87 397	87	87	87	87
	LI		00	142	223	310	397	484	571	658	745

Budget 2012-2013 South Regional Interceptor Fund 43 Capital Plan Capital Projects Detail

	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
43 450010 GLEN ELLYN	-	•	68,200	68,200	74,400
REVENUES	-	-	68,200	68,200	74,400
			0	0	0
PRINCIPAL & INTEREST TOTALS:	-	-	0	0	0
43 580120 Small Capital Projects			0	0	0
43 580140 Infrastructure Improvements			0	0	0
			-		
CAPITAL OUTLAY TOTALS:	-	-	0	0	0
PRINCIPAL & INTEREST / CAPITAL OUTLAY TOTALS	-	-	0	0	0

FUND 43 (SRI) CAPITAL FOOTNOTES

(1) Sinking Fund: (\$74,000) — Yearly contribution based off FY11 budget discussions between the Villages of Lombard and Glen Ellyn. No projects planned, money should be allocated to the failing thirty-five (35) year old Valley View Lift Station.

FY2013 Saint Charles Road Lift Station Fund 44 Capital Plan

REVENUE in Thousands\$ FY(2011) FY(2012) FY(2013) FY(2014) FY(2015) FY(2016) FY(2017) FY(2018) FY(2019) FY(2020) Actual Estimated Budgeting Planning Planning Planning Planning Planning Planning Planning Proceeds from Borrowing Interfund Transfer From Capital Fund 40 2400 Investment Income Miscellaneous Revenue 0 0 Sinking Fund 1 0 147 161 174 188 188 188 188 188 188 **TOTAL REVENUE** 147 2402 161 174 188 188 188 188 188 188 **EXPENSES in Thousands**\$ FY(2011) FY(2012) FY(2013) FY(2014) FY(2015) FY(2016) FY(2017) FY(2018) FY(2019) FY(2020) **Debt Service Payments:** Actual Estimated Budgeting Planning Planning Planning **Planning** Planning Planning Planning Interfund Transfer To Division 40 Οl 0 0 0 0 0 0 **Debt Service Subtotal** 0 0 0 0 0 0 0 0 0 Capital Outlay Small Capital Projects 0 Infrastructure Improvements 0 Equipment Rehabilitation 0 20 Capital Improvements St. Charles Lift Station 2400 100 Engineering 0 Construction 0 **Project Total** 2400 120 0 0 0 0 0 0 DEBT SERVICES / PROJECTS TOTAL EXPENSES 2400 120 0 0 0 0 0 0 0 Cash on Hand 5/1 0 2 29 190 364 552 740 928 1116 1304 Gain/Loss FY 2 27 161 174 188 188 188 188 188 188 Cash on Hand 4/30 2 29 190 364 552 740 928 1116 1304 1492 Budget 2012-2013 St. Charles Road Lift Station Fund 44 Capital Plan Capital Projects Detail

	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
INTERFUND TRANSFER FROM CAPITAL FUND 40	- [2,400,000			
44 450010 GLEN ELLYN	-	-	147,400	147,400	160,800
REVENUES	-	2,400,000	147,400	147,400	160,800
PRINCIPAL & INTEREST TOTALS:	-	-	_	-	-
44 580450 00401 ST. CHARLES LIFT STATION					
44 580450 00401 ST. CHARLES LIFT STATION ENGINEERING					
44 580450 00401 ST. CHARLES LIFT STATION CONSTRUCTION		2,400,000	100,000	100.000	
44 580120 SMALL CAPITAL PROJECTS					_
44 580140 INFRASTRUCTURE IMPROVEMENTS					
44 580150 PLANT EQUIPMENT REHABILITATION			20,000	20,000	-
CAPITAL OUTLAY TOTALS:	-	2,400,000	120,000	120,000	
PRINCIPAL & INTEREST / CAPITAL OUTLAY TOTALS	- [2,400,000	120,000	120,000	•

FUND 44 (ST. CHARLES ROAD LIFT STATION) CAPITAL FOOTNOTES

(1) Sinking Fund: (\$161,000) — Yearly contribution based off FY11 budget discussions between the Villages of Lombard and Glen Ellyn. No projects planned, money should be allocated to the failing thirty-five (35) year old Valley View Lift Station.

FY2013 Valley View Lift Station Fund 45 Capital Plan

	otes											
REVENUE in Thousands\$	ootuc	FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)	FY(2018)	FY(2019)	FY(2020)	EV/2024)
	유	Actual	Approved			Planning	Planning	Planning	Planning	Planning		FY(2021)
Proceeds from Borrowing		0	0	0	1000	· idilling	Training	Flamming	Flanning	Planning	Planning	Planning
Interfund Transfer From Capital Div 40	T	0	0	0	1000							
Investment Income	1	0	0	0				····				
Miscellaneous Revenue	1	0	0									
Sinking Fund	1	0	45	49		70	70	70	70	70		
TOTAL REVENUE		0		49		70	70			70	70	70
		EV(2011)					70	70	70	70	70	70
EXPENSES in Thousands\$		FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	EV/2046\	EV/0047)	E)//20/40			
Debt Service Payments:		Actual	Approved		Planning	Planning	FY(2016)	FY(2017)	FY(2018)	FY(2019)	FY(2020)	FY(2020)
20 Year Repayment Lift Station Replacement		0		Dadgeting 0		65	Planning	Planning	Planning	Planning	Planning	Planning
Debt Service Subtotal		0		0		T	65		65	65	65	65
			· · · · · · · · · · · · · · · · · · ·			65	65	65	65	65	65	65
Capital Outlay	-									0.3		W
Small Capital Projects												
Infrastructure Improvements		0	0	0								
Lift Station Improvement		0	0	0								
Engineering	2		0	100								
Construction				100	1000							
Equipment Rehabilitation		0	15	0	1000							
		0	10	0								
Project Total		0	15	100	1000							
		V				0	0	0	0	0	0	0
DEBT SERVICES / PROJECTS TOTAL EXPENSES		0										9. *
TOTAL LAY ENGLS		U	15	100	1000	65	65	65	65	65	65	65
Cash on Hand 5/1	┤─┤						A CONTRACTOR OF THE PARTY OF TH		The second secon	91		
Gain/Loss FY	┝─┤	0	45	75	24	77	82	87	92	97	97	102
Cash on Hand 4/30		0	30	(51)	53	5	5	5	5	5	5	5
		0	75	24	77	82	87	92	97	102	102	107

Budget 2012-2013 Valley View Lift Station Fund 45 Capital Plan Capital Projects Detail

	Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
45 450010 GLEN ELLYN	-	-	45,100	45,100	49,200
REVENUES	-	•	45,100	45,100	49,200
	-				
PRINCIPAL & INTEREST TOTALS:	-		_		-
45 580120 SMALL CAPITAL PROJECTS					
45 580140 INFRASTRUCTURE IMPROVEMENTS					100,000
45 580450 LIFT STATION IMPROVEMENTS DESIGN					100,000
45 580150 EQUIPMENT REHABILITATION			15,000	15,000	-
CAPITAL OUTLAY TOTALS:	_		15.000	15,000	100,000
PRINCIPAL & INTEREST / CAPITAL OUTLAY TOTALS	•	-	15,000	15,000	100,000

FUND 45 (VALLEY VIEW LIFT STATION) CAPITAL FOOTNOTES

- (1) Sinking Fund: (\$49,000) —Yearly contribution based off FY11 budget discussions between the Villages of Lombard and Glen Ellyn. Monies should be allocated to the failing thirty-five (35) year old Valley View Lift Station from funds 41, 42, 43, 44, 46, & 47 totaling \$750,000 with the understanding this is a system. If we do not utilize this unallocated funding the GWA Valley View Lift Station will need to be built with unnecessary debt totaling approximately \$1,000,000.
- (2) <u>Lift Station Improvement Project:</u> (\$100,000) Engineering is planned for FY13 with construction planned for FY14.

FY2013 SRI Lift Station Fund 46 Capital Plan

REVENUE in Thousands\$ FY(2011) FY(2012) FY(2013) FY(2014) FY(2015) FY(2016) FY(2017) FY(2018) FY(2019) FY(2020) Actual Approved Budgeting Planning Planning Planning Planning Planning Planning Planning Proceeds from Borrowing 0 Interfund Transfer From Capital Fund 40 0 0 0 Investment Income 0 οl 0 Miscellaneous Revenue ol 0 0 Sinking Fund 0 45 49 53 57 57 57 57 57 57 **TOTAL REVENUE** 45 0 49 53 57 57 57 57 57 57 **EXPENSES in Thousands**\$ FY(2011) FY(2012) FY(2013) FY(2014) FY(2015) FY(2016) FY(2017) FY(2018) FY(2019) FY(2020) **Debt Service Payments: Estimated** Approved Budgeting Planning Planning Planning Planning Planning Planning Planning 01 0 0 0 01 01 0 0 **Debt Service Subtotal** 0 0 0 0 0 0 0 0 Capital Outlay Small Capital Projects 0 0 Infrastructure Improvements 0 30 0 Equipment Rehabilitation 0 Ol 0 Roof Replacements 0 0 Capital Improvements **Project Total** 0 30 0 0 0 0 **DEBT SERVICES / PROJECTS TOTAL EXPENSES** 30 0 0 0 0 0 0 0 Cash on Hand 5/1 0 0 15 64 117 174 231 288 345 402 Gain/Loss FY 0 15 49 53 57 57 57 57 57 57 Cash on Hand 4/30 0 15 64 117 174 231 288 345

402

459

Budget 2012-2013 SRI Lift Station Fund 46 Capital Plan Capital Projects Detail

		Actual	Actual	Approved	Estimated	Budgeting
		FY2010	FY2011	FY2012	FY2012	FY2013
46 450010	GLEN ELLYN	-	*	45,100	45,100	49,200
REVENUES		-	-	45,100	45,100	49,200
		_				
PRINCIPAL & II	NTEREST TOTALS:	-	-	-		-
46 580120	SMALL CAPITAL PROJECTS			0	0	0
46 580140	INFRASTRUCTURE IMPROVEMENTS			30,000	30,000	0
46 580450	LIFT STATION IMPROVEMENTS DESIGN			0	0	0
46 580150	EQUIPMENT REHABILITATION			0	0	0
					, , , , , , , , , , , , , , , , , , ,	
CAPITAL OUTL	AY TOTALS:	-	•	30,000	30,000	0
PRINCIPAL & IN	TEREST / CAPITAL OUTLAY TOTALS	- [30,000	30,000	0

FUND 46 (SRI LIFT STATION) CAPITAL FOOTNOTES

(1) <u>Sinking Fund:</u> (\$49,000) —Yearly contribution based off FY11 budget discussions between the Villages of Lombard and Glen Ellyn. No projects planned, money should be allocated to the failing thirty-five (35) year old Valley View Lift Station.

FY2013 Sunnyside Lift Station Fund 47 Capital Plan

REVENUE in Thousands\$ FY(2011) FY(2012) FY(2013) FY(2014) FY(2015) FY(2016) FY(2017) FY(2018) FY(2019) FY(2020) Actual Approved Budgeting Planning Planning Planning Planning Planning Planning Planning Proceeds from Borrowing Interfund Transfer From Capital Fund 40 Investment Income Miscellaneous Revenue Sinking Fund **TOTAL REVENUE EXPENSES** in Thousands\$ FY(2011) FY(2013) FY(2014) FY(2012) FY(2015) FY(2016) FY(2017) FY(2018) FY(2019) FY(2020) **Debt Service Payments:** Estimated Approved Budgeting Planning Planning Planning Planning Planning Planning Planning **Debt Service Subtotal** Capital Outlay Small Capital Projects Infrastructure Improvements Equipment Rehabilitation Roof Replacements Capital Improvements **Project Total** The state of the s DEBT SERVICES / PROJECTS TOTAL EXPENSES Cash on Hand 5/1 Gain/Loss FY Cash on Hand 4/30

Budget 2012-2013 Sunnyside Lift Station Fund 47 Capital Plan Capital Projects Detail

		Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
47 450010	GLEN ELLYN		-	11,000	11,000	12,000
REVENUES		-	•	11,000	11,000	12,000
PRINCIPAL & II	NTEREST TOTALS:	-	0	0	0	0
47 580120	SMALL CAPITAL PROJECTS			0	0	0
47 580140	INFRASTRUCTURE IMPROVEMENTS		····	0	0	0
47 580150	PLANT EQUIPMENT REHABILITATION			0	0	0
CAPITAL OUTL	AY TOTALS:	_	0	0	0	0
PRINCIPAL & II	NTEREST / CAPITAL OUTLAY TOTALS		0	0	0	0

FUND 47 (SUNNYSIDE LIFT STATION) CAPITAL FOOTNOTES

(1) Sinking Fund: (\$12,000) — Yearly contribution based off FY11 budget discussions between the Villages of Lombard and Glen Ellyn. No projects planned, money should be allocated to the failing thirty-five (35) year old Valley View Lift Station.

FY2013 Sinking Fund

Fund 40 Glenbard Plant		Actual FY10 Bdgt	Actual FY 11 Bdgt	Approved FY 12 Bdgt	Estimated FY 12 Bdgt	Budgeting FY13 Bdgt
5966 Glenbard F	lant Sinking Fund	2,000,000	2,200,000	1,467,400	1,467,400	1,600,800
Total		\$2,000,000	\$2,200,000	\$1,467,400	\$1,467,400	£1 C00 000
		42,000,000	Ψ2,200,000	\$1,407,400	\$1, 40 7,400	\$1,600,800
Glen Ellyn I	Flow Split - 47.36%	976,640	1,078,543	698,292	698,292	758,139
Lombard Fi	ow Split - 52.64%	1,023,360	1,121,457	769,108	769,108	842,661
Total Flow	Split	\$2,000,000	\$2,200,000	\$1,467,400	\$1,467,400	\$1,600,800
Fund 41 Stormwater Plant						
	Plant Eq.Rpl. Fund	- -	-	264,000	264,000	200 000
Total						288,000
<u> </u>	The state of the s	\$0	\$0	\$264,000	\$264,000	\$288,000
Fund 42 North Regional In	terceptor (NRI)					
5966 NRI-Eq. Rpl	. Fund		-	151,800	151,800	165,600
Total		60	40			
		\$0	\$0	\$151,800	\$151,800	\$165,600
	low Split - 34.45%	-	- ,	52,215	52,215	57,049
Lombard Flo	ow Split - 65.55%	-	-	99,585	99,585	108,551
Total Flow	Split	-	-	\$151,800	\$151,800	\$165,600
Fund 43						
South Regional In 5966 SRI-Eq. Rpl.						
3900 [3KI-Eq. Kpi.	rund		-	68,200	68,200	74,400
Total		\$0	\$0	\$68,200	\$68,200	\$74,400
Fund 44						
St. Charles Road L 5966 St. Charles F			Т-	117.100		-
	Codd E.O.		-	147,400	147,400	160,800
Total		\$0	\$0	\$147,400	\$147,400	\$160,800
Fund 45						
Valley View Lift Sta						
5966 Vallley View	L.S.	-	-	45,100	45,100	49,200
Total		\$0	\$0	\$45,100	\$45,100	\$49,200
Fund 46					· · · · · · · · · · · · · · · · · · ·	
SRI Lift Station						
5966 SRI Lift Statio	on		<u> </u>	45,100	45,100	49,200
Total		\$0	\$0	\$45.400		
		30	\$0]	\$45,100	\$45,100	\$49,200
Fund 47 Sunnyside Lift Stati	ion					
966 Sunnyside Lif				14.000	11.000	
				11,000	11,000	12,000
Total		\$0	\$0	\$11,000	\$11,000	\$12,000
otal all Sinking Fu	nds Revenue	\$2,000,000	\$2,200,000	\$2,200,000	\$2,200,000	\$2,400,000
otal Glen Filvn Sin	king Funds Contribution to:	\$070.0401				
	ing Funds Contribution to:	\$976,640 \$1,023,360	\$1,078,543	\$1,067,306	\$1,067,306	\$1,160,788
	g vonanaduon,	\$1,023,300	\$1,121,457	\$1,132,694	\$1,132,694	\$1,239,212

Glenbard Wastewater Authority

Sinking Fund Contributions

Original Fund 40

Fiscal	Glenba	rd 84.6%	Stormwater (VGL) Glenbard	NRI 2.1%		O		•		
Year	<u>VGE</u>	<u>VGL</u>	Plant 12%	Flowsplits	VGE	VGL	Glen Ellyn	NRI	Actual	Proposed	Accumulated
FY(1986)			\$ 3,975.48			3.00 \$458.00	SRI 1.3%	Flowsplits		Funding	<u>Funding</u>
FY(1987)	486,027.00		68,940.00		4,129	T			\$ 33,129.00		\$ 33,129.00
FY(1988)	242,987.00	282,256.00	73,800.00		4,418	47,000.00	7,468.50		574,500.00		607,629.00
FY(1989)	242,987.00	282,256.00	79,000.00		4,496				614,800.00		1,222,429.00
FY(1990)	243,519.00	323,236.00	84,444.00	43.4/56.6	4,832		8,551.40		657,800.00		1,880,229.00
FY(1991)	308,090.00	371,910.00	90,372.00		5,061		9,148.10		703,700.00		2,583,929.00
FY(1992)	253,884.00	296,485.00	75,600.00		4,128				753,100.00		3,337,029.00
FY(1993)	256,274.00	268,331.00	79,500.00	45/55	4,380	401.01.00	8,191.30		630,100.00		3,967,129.00
FY(1994)	265,659.00	341,029.00	83,400.00	45.2/54.8	4,736		8,607.20		662,092.00		4,629,221.00
FY(1995)	243,431.00	348,656.00	87,600.00	46/54	5,212	+0,000.00	9,035.00	32.5/67.6	695,000.00		5,324,221.00
FY(1996)	256,157.00	335,727.00	92,000.00	44.5/55.5	5,312		9,490.00	34/66	730,000.00		6,054,221.00
FY(1997)	278,157.00	369,235.00	96,600.00	42.92/57.08	5,692	¥.0,1.00.00	9,964.50		766,500.00		6,820,721.00
FY(1998)	237,362.00	476,938.00	101,400.00	44.48/55.52	5,733	¥1.1,210.00	10,465.00	31.21/68.79	805,000.00		7,625,721.00
FY(1999)	331,337.00	418,463.00	106,440.00	44.19/55.81	6,190	¥ .=;0 12.00	10,985.00	32.31/67.69	845,000.00		8,470,721.00
FY(2000)	401,631.00	491,876.00	126,720.00	43.10/56.90	7,236	, , _ , ,	11,531.00	33.23/66.77	887,000.00		9,357,721.00
FY(2001)	516,247.00	632,245.00	161,300.00	44.95/55.06	9,416	7,0 .0.00	13,728.00	32.63/67.37	1,056,000.00		10,413,721.00
FY(2002)	608,349.00	698,803.00	185,411.00	46.54/53.46	10,477		17,472.21	33.36/66.64	1,344,016.00		11,757,737.00
FY(2003)	674,746.00	814,429.00	211,230.00	45.31/54.69	11,958	+=1,010.00	20,086.26	32.29/67.71	1,545,097.00		13,302,834.00
FY(2004)	718,811.00	816,454.00	217,770.00	46.82/53.18	12,996		22,883.30	32.35/67.65	1,760,254.00		15,063,088.00
FY(2005)	786,524.00	849,663.00	233,000.00	47.87/52.13	15,297.	7-71	23,591.54	34.10/65.9	1,814,734.00		16,877,822.00
FY(2006)	849,633.00	908,422.00	249,400.00	48.328/51.672	17,075.		25,244.62	37.51/62.49	1,941,894.00		18,819,716.00
FY(2007)	821,398.00	870,602.00	240,000.00	48.546/51.454		7,000.00	27,011.75	39.133/60.867	2,077,827.00		20,897,543.00
FY(2008)	729,051.00	762,949.00	216,000.00	48.864/51.136	16,588.		26,000.00	39.496/60.504			22,897,543.00
FY(2009)	746,126.32	776,674.00	216,000.00	48.997/51.003	15,033.		23,400.00	32.769/60.231	1,800,000.00		24,697,543.00
FY(2010)	826,237.44	865,762.56	264,000.00	48.832/51.168	14,895.		23,400.00	39.405/60.595			26,497,543.00
FY(2011)	896,633.10	964,566.90	264,000.00	48.175/51.825	16,634.		26,000.00	37.954/62.046	2,000,000.00		28,497,543.00
TOTALS \$	12,249,284.99		\$ 3,443,902.48	- 40.170/01.020	17,534. \$ 229,697		28,600.00	36.005/63.995	2,200,000.00		30,697,543.00
			ψ 0,110,002.40		\$ 229,697.	96 \$386,800.32	399,068.06		\$ 30,697,543.00		

Fiscal Year FY(2012)	Division 40 Glenbard Plant 66.7% 1,467,400.00	Division 41 Stormwater Plant 12%	Fund 42 NRI 6.9%	Fund 43 SRI 3.1%	Fund 44 St. Charles Rd <u>L.S 6.7%</u>	Fund 45 Valley View L.S 2%	Fund 46 SRI L.S. 2%	Fund 47 Sunnyside L.S .5%	Actual Contributions	Proposed Funding	Accumulated
FY(2013)	1,600,800.00	264,000.00	151,800.00	68,200.00	,	45,100.00	45,100.00	11,000.00	2,200,000.00		Funding 32,897,543.00
FY(2014)	1,734,200.00	288,000.00	165,600.00	74,400.00		49,200.00	49,200.00	12,000.00	2,400,000.00		35,297,543.00
FY(2015)	1,867,600.00	312,000.00	179,400.00	80,600.00	1. 1,200.00	53,300.00	53,300.00	13,000.00	2,600,000.00		30,297,543.00
Totals 3	\$ 15,317,484.99	336,000.00	193,200.00	86,800.00	701,000.00	57,400.00	57,400.00	14,000.00	2,800,000.00		
NOTE:	ψ 15,517,464.99 <u>1</u>	13,154,401.56 \$	3,761,302.48	\$ 310,000.00	\$ 899,697.06	591,800.32	\$ 604,068.06			-	

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 equipmetn 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 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. 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 FY (2004). The Sinking Fund will also grow by 7% as suggested by Fred Johnson's 1985 Study starting in FY (2002). The Sinking Fund was re-evaluated to reflect current upgrades and modifications in conjunction with the facilities plan update done by Strand Associates in FY2007.

As a guideline for FY2011, GWA has utilized the latest fixed asset balance sheet to adjust the percentage of funds allocated to each Division including existing.

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.

Glenbard Wastewater Authority Summary of Projected Future Debt Service Payments As of May 1, 2013

		Biosolids		Total
	Lombard CSO	Improvement	Digester	Debt
	<u>Upgrade</u>	Project	Project	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		452,436
FY11	73,610	378,826	260,472	712,908
FY12	73,610	378,826	520,945	973,381
FY13*	73,610	378,826	520,945	973,381
FY14	73,610	378,826	520,945	973,381
FY15	36,805	378,826	520,945	936,576
FY16		189,413	520,945	710,358
FY17			520,945	520,945
FY18			520,945	520,945
FY19			520,945	520,945
FY20			520,945	520,945
FY21			520,945	520,945
FY22			520,945	520,945
FY23			520,945	520,945
FY24			520,945	520,945
FY25			520,945	520,945
			260,472	260,472
-	736,100	3,769,675	7,814,174	12,319,949

FINAL

FINAL

Estimated

Budget FY 2013

Lombard CSO Upgrade Project IEPA Loan - Payback Schedule **FINAL**

Loan Amount:

\$630,360

Interest Rate: 2.6750%

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

Fiscal <u>Year</u>	Expense	Interest	Principal	Total Loan <u>Payment</u>	Remaining <u>Balance</u>
FY 2004	\$736,095	\$0	\$0	\$0	\$736,095
FY 2005		\$8,589	\$28,216	\$36,805	
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
FY 2015		\$485	\$36,315	\$36,800	\$0
建筑的企业设置基础的企业企业					41 11 32 32 1 1 1
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 of 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 Feburary of 2004 with construction costs totaling \$641,000.

Budget FY 2013

Biosolids Improvement Project

FINAL

IEPA Loan - Payback Schedule

Current Amount Borrowed:

\$3,306,983

Interest Rate: 2.57%

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

Fiscal <u>Year</u>			Principal	Total Loan <u>Payment</u>	Remaining <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
FY 2015	187,010	11,894	366,933	378,826	189,413
FY 2016	0	2,403	187,010	189,413	0
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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 completion an extension was obtained with a completion date of July 1, 2005. In accordance with the new schedule 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 FY 2013

Estimated

Anaerobic Digester

PROJECTED

IEPA Loan - Payback Schedule

Current Amount Borrowed: \$6,483,000 including construction interest.

Interest Rate: 2.5%

Total Value of Loan (Principal + Interest): \$7,814,173

Fiscal <u>Year</u>	<u>Balance</u>	Balance Interest Principal		Total Loan Payment	Remaining <u>Balance</u>
	\$6,482,874.03				\$7,814,173.20
FY 2011	\$6,303,437.52	\$81,035.93	\$179,436.51	\$260,472.44	\$7,553,700.76
FY 2012	\$5,937,807.59	\$155,314.95	\$365,629.93	\$520,944.88	\$7,032,755.88
FY 2013*	\$5,562,979.77	\$146,117.06	\$374,827.82	\$520,944.88	\$6,511,811.00
FY 2014	\$5,178,722.70	\$136,687.81	\$384,257.07	\$520,944.88	\$5,990,866.12
FY 2015	\$4,784,799.15	\$127,021.33	\$393,923.55	\$520,944.88	\$5,469,921.24
FY 2016	\$4,380,965.97	\$117,111.70	\$403,833.18	\$520,944.88	\$4,948,976.36
FY 2017	\$3,966,973.86	\$106,952.77	\$413,992.11	\$520,944.88	\$4,428,031.48
FY 2018	\$3,542,567.26	\$96,538.28	\$424,406.60	\$520,944.88	\$3,907,086.60
FY 2019	\$3,107,484.18	\$85,861.80	\$435,083.08	\$520,944.88	\$3,386,141.72
FY 2020	\$2,661,456.04	\$74,916.74	\$446,028.14	\$520,944.88	\$2,865,196.84
FY 2021	\$2,204,207.51	\$63,696.35	\$457,248.53	\$520,944.88	\$2,344,251.96
FY 2022	\$1,735,456.32	\$52,193.69	\$468,751.19	\$520,944.88	\$1,823,307.08
FY 2023	\$1,254,913.10	\$40,401.66	\$480,543.22	\$520,944.88	\$1,302,362.20
FY 2024	\$762,281.22	\$28,313.00	\$492,631.88	\$520,944.88	\$781,417.32
FY 2025	\$257,256.58	\$15,920.24	\$505,024.64	\$520,944.88	\$260,472.44
FY 2026	\$0.00	\$3,215.86	\$257,256.58	\$260,472.44	\$0.00
Totals		\$1,331,299	\$6,482,874	\$7,814,173	

The EOC awarded an Anaerobic Digester Engineering Services Contract on August 10, 2005, for the design of an 80' Digester. This projected payback schedule is included to cover the required funding.

Position Classification

Number of Employees

	Salary	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13
Westerna	Range							
Wastewater Manager	S	1	1	1	1	1	1	1
Data Tech PT	F	1	1	0	0	0	0	0
Seasonal Administrative Secretary					1	1	1	1
Administrative Secretary	F	1	1	1	1	1	1	1
Totals		3	3	2	3	3	3	3
Senior Operator	L	1	1	1	1	1	1	1
Plant Operator I / Lab Tech	I		0	1	0	0	0	0
Plant Operator I	I	3	4	2	2	2	2	2
Plant Operator II	Н	1	0	0	0	0	0	0
Plant Operator III	G	0	0	0	0	0	0	0
Plant Operator IV	F	1	1	0	2	2	2	2
Operator-in-Training	E	0	0	2	0	0	0	0
Operator PT		5	5	5	5	5	5	5
Wastewater Laboratory	I	1	0	0	1	1	1	1
Seasonal / PT Laborer	F				2	2	2	2
Totals		12	11	11	13	13	13	13
Sr. Maintenance Mechanic	L	1	1	1	1	1	1	1
Maintenance Mechanic I	I		1	2	2	2	2	2
Maintenance Mechanic II	G	2	1	0	0	0	0	0
Maintenance Mechanic III	F		0	0	0	0	0	0
Seasonal Labor PT		2	2	2	0	0	0	0
Totals		5	5	5	3	3	3	3
Sr. Electronics Tech.	L	1	1	1	1	1	1	1
Electronic Technician	J	1	1	1	1	1	1	1
Plant Electrician	J				1	1	1	1
Totals		2	2	2	3	3	3	3
Total Full Time Employees		14	13	13	14	14	14	14
Total PT/Seasonal Employees		8	8	7	8	8	8	8
Total Full Time Equivalent (FTE)		15.9	14.9	14.3	15.8	15.8	15.8	15.8

Glenbard Wastewater Authority Salary Schedule - May 1, 2012 through April 30, 2013

		Annualized	i		Hourly	
Range	Min	Mid	Max	Min	Mid	Max
	FY12/13 Sa	alary Schedu	le Adjustment =	1.00%		
A	\$ 34,632	\$ 43,680	\$ 52,603	\$ 16.65	\$ 21.00	\$ 25.29
В	36,338	45,864	55,224	17.47	22.05	26.55
C	38,168	48,152	58,074	18.35	23.15	27.92
D	40,082	50,565	60,902	19.27	24.31	29.28
E	42,099	53,082	64,022	20.24	25.52	30.78
F	44,221	55,744	67,246	21.26	26.80	32.33
G	46,446	58,531	70,595	22.33	28.14	33.94
Н	48,776	61,443	74,110	23.45	29.54	35.63
I	51,189	64,542	77,854	24.61	31.03	37.43
J	53,726	67,746	81,702	25.83	32.57	39.28
K	56,451	71,157	85,842	27.14	34.21	41.27
L	59,280	74,714	90,085	28.50	35.92	43.31
M	62,213	78,437	94,536	29.91	37.71	45.45
N	65,333	82,347	99,258	31.41	39.59	47.72
O	68,682	86,466	104,437	33.02	41.57	50.21
P	72,093	90,792	109,574	34.66	43.65	52.68
Q	75,629	95,326	114,941	36.36	45.83	55.26
R	79,477	100,110	120,806	38.21	48.13	58.08
S	83,429	105,123	126,838	40.11	50.54	60.98

TABLE 2. NORTH REGIONAL INTERCEPTOR -- GLEN ELLYN / LOMBARD SPLIT

MONTH	N.R.I. SUM TOTAL	GLEN ELLYN (MG)	% OF N.R.I.	LOMBARD (MG)	% OF N.R.I.
I 40	040.444		i alli	Jackson and A.	
Jan-10	248.114	87.164	35.13%	160.950	64.87%
Feb-10	167.864	57.710	34.38%	110.154	65.62%
Mar-10	349.177	110.827	31.74%	238.350	68.26%
Apr-10	245.508	75.118	30.60%	170.390	69.40%
May-10	285.865	95.078	33.26%	190.787	66.74%
Jun-10	384.226	125.814	32.74%	258.412	67.26%
Jul-10	265.846	93.868	35.31%	171.978	64.69%
Aug-10	298.827	105.184	35.20%	193.643	64.80%
Sep-10	160.098	54.620	34.12%	105.478	65.88%
Oct-10	127.913	47.403	37.06%	80.510	62.94%
Nov-10	146.605	51.429	35.08%	95.176	64.92%
Dec-10	167.225	60.607	36.24%	106.618	63.76%
Jan-11	161.249	60.355	37.43%	100.894	62.57%
Feb-11	282.710	94.408	33.39%	188.302	66.61%
Mar-11	340.366	111.504	32.76%	228.862	67.24%
Apr-11	371.872	122.257	32.88%	249.615	67.12%
May-11	306.750	106.007	34.56%	200.743	65.44%
Jun-11	278.357	100.919	36.26%	177.438	63.74%
Jul-11	197.824	72.107	36.45%	125.717	63.55%
Aug-11	192.250	66.018	34.34%	126.232	65.66%
Sep-11	148.531	50.989	34.33%	97.542	65.67%
Oct-11	146.583	54.297	37.04%	92.286	62.96%
Nov-11	199.878	65.834	32.94%	134.044	67.06%
Dec-11	229.734	76.960	33.50%	152.774	66.50%
					00.0070
AVERAGE	237.641	81.103	34.45%	156.537	65.55%

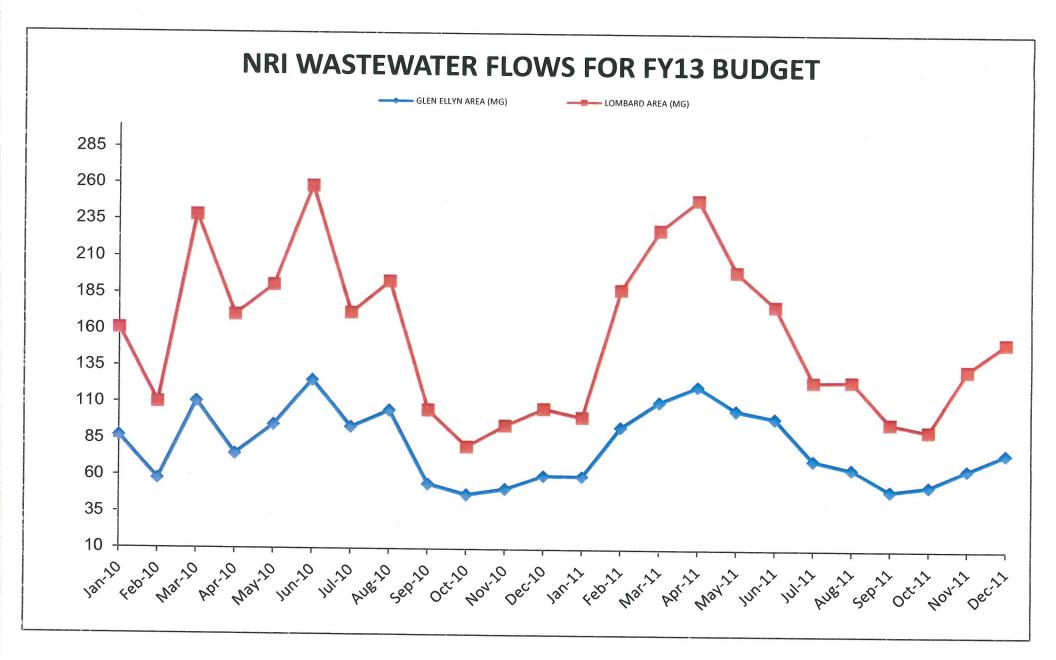
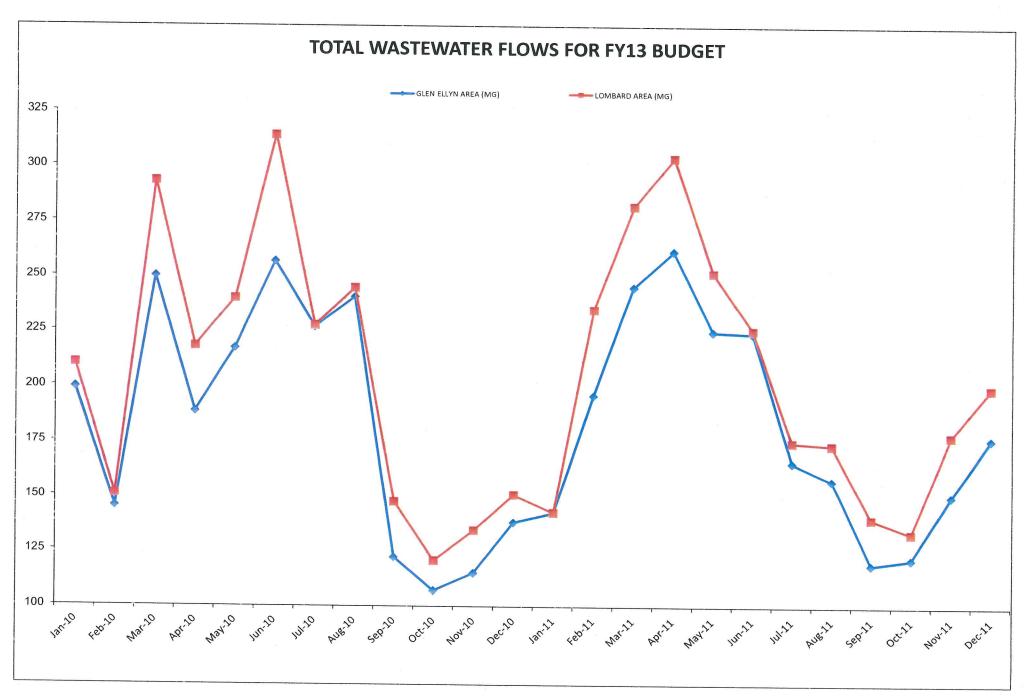


TABLE 1. TOTAL WASTEWATER FLOWS AND PERCENTAGES FOR FY 2012 BUDGET

MONTH	TOTAL AREA METERS (MG)	GLEN ELLYN AREA (MG)	PERCENT OF TOTAL	LOMBARD AREA (MG)	PERCENT OF TOTAL
Jan-10	409.130	199.160	48.68%	209.970	51.32%
Feb-10	296.170	145.250	49.04%	150.920	50.96%
Mar-10	542.880	249.940	46.04%	292.940	53.96%
Apr-10	406.320	188.430	46.37%	217.890	53.63%
May-10	456.700	217.040	47.52%	239.660	52.48%
Jun-10	570.920	256.900	45.00%	314.020	55.00%
Jul-10	454.090	226.720	49.93%	227.370	50.07%
Aug-10	485.220	240.560	49.58%	244.660	50.42%
Sep-10	269.510	122.060	45.29%	147.450	54.71%
Oct-10	227.590	107.110	47.06%	120.480	52.94%
Nov-10	249.300	114.970	46.12%	134.330	53.88%
Dec-10	288.980	138.180	47.82%	150.800	52.18%
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%
AVERAGE	386.866	183.066	47.36%	203.801	52.64%



Master Percentage Splits Summary

Health Insurance & Overhead Fees

	FY13 Budgeted			
<u>Division</u>	Personnel Cost	<u>%</u>	Health Insurance	Overhead Fees
270	1,333,000	95.06%	223,300	117,200
271	33,000	2.35%	5,500	2,900
272	8,000	0.57%	1,300	700
273	4,000	0.29%	700	300
274	14,000	1.00%	2,300	1,200
275	7,000	0.50%	1,200	600
276	1,600	0.11%	300	100
277	1,600	0.11%	300	100
	1,402,200	100.0%	234,900	123,100

Liability Insurance

	Workers Compensation Portion 118,291			Property Port 59,146		
Division	FY13 Budgeted Personnel Cost	<u>%</u>	N/C Chaus			
270			WC Share	Asset Division %	Property Share	Budget Amount
	1,333,000	95.06%	112,500	66.7%	39,500	152,000
271	33,000	2.35%	2,800	12.0%	7,100	9,900
272	8,000	0.57%	700	6.9%	4,100	4,800
273	4,000	0.29%	300	3.1%	1,900	2,200
274	14,000	1.00%	1,200	6.7%	3,900	5,100
275	7,000	0.50%	600	2.0%	1,200	1,800
276	1,600	0.11%	100	2.0%	1,200	1,300
277	1,600	0.11%	100	0.5%	300	400
	1,402,200	100.0%	118,300	100.0%	59,200	177,500