



GLENBARD WASTEWATER

TREATMENT  
PLANT

OPERATIONS, MAINTENANCE  
AND CAPITAL PLAN

MAY 1, 2012 - APRIL 30, 2013

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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.

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

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

The major components of the Authority, as depicted in Figure 1, are the 16.02 MGD (Million Gallons per Day) Glenbard Advanced Wastewater Treatment Facilities, the 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.

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

## **AUTHORITY ORGANIZATION**

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

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

**PERSONNEL** - The day-to-day operation of the facilities is overseen by the 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 1<sup>st</sup> to April 30<sup>th</sup> 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:

	<b>Actual FY2011</b>	<b>Estimated FY2012</b>	<b>Proposed FY2013</b>
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
	<u>\$4,000,421</u>	<u>\$3,844,655</u>	<u>\$4,012,410</u>

**Cash Reserves / Working Cash**

FY2011/12

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

FY2012/13

Projected Cash Reserves at April 30, 2012	<u>1,347,283</u>
FY13 Projected Surplus/(Deficit)	<u>-</u>
Projected Cash Reserves at April 30, 2013	<u>1,347,283</u>
Less: Estimated Encumbrances at April 30, 2013	<u>(80,000)</u>

Projected Working Cash at April 30, 2013	<u>1,267,283</u>
Less: FY13 Required Minimum Working Cash **	<u>1,006,575</u>
<b>Projected Working Cash Surplus/(Deficit) at April 30, 2013</b>	<b><u>2,273,858</u></b>

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

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

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:

	<u>Budget</u>	<u>Actual</u>	<u>FTE</u>
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)

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

FY01	\$654,662
FY02	\$570,103
FY03	\$582,232
FY04	\$617,574
FY05	\$606,375
FY06	\$588,400
FY07	\$693,128
FY08	\$1,194,869
FY09	\$769,137
FY10	\$873,093
FY11	\$976,915
FY12	\$959,500 (Estimated)
FY13	\$857,000 (Budgeted)

3. **Support Services** 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. **Maintenance** 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. **Sludge (Biosolids) Disposal-Land Applied** 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 to the plant only having one significant industrial discharger.

6. **Chemical Costs** 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.

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

Div. 45 – Valley View Lift Station		
Project Expenses	\$ 15,000	\$ 100,000
Total	\$ 15,000	\$ 100,000

Div. 46 – SRI Lift Station	\$ 30,000	\$ 0
	\$ 30,000	\$ 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:

	<b>Approved FY2012</b>	<b>Estimated FY2012</b>	<b>Proposed FY2013</b>
Village of Lombard	\$3,317,327	\$3,161,772	\$3,356,963
Village of Glen Ellyn	<u>\$2,971,373</u>	<u>\$2,813,959</u>	<u>\$3,029,447</u>
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:

	<b>Actual FY2011</b>	<b>Approved FY2012</b>	<b>Estimated FY2012</b>	<b>Proposed FY2013</b>
O&M	\$3,938,600	\$4,149,700	\$3,844,655	\$4,012,410
Capital	\$5,536,000	\$3,313,700	\$3,744,109	\$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

Glenbard Wastewater Authority  
 Budget 2012-2013  
 All Funds  
 Expense Allocation to Partners

**APPROVED FY2012 EXPENSES ALLOCATED TO PARTNERS**

	LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant	1,937,394	1,759,006	3,696,400
Div. 271 -- Stormwater Plant	233,200	0	233,200
Div. 272 -- North Reg. Int.	14,039	7,361	21,400
Div. 273 -- South Reg. Int.	0	22,100	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
<b>TOTAL</b>	<b>3,317,327</b>	<b>2,971,373</b>	<b>6,288,700</b>

**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
<b>TOTAL</b>	<b>3,170,072</b>	<b>2,813,959</b>	<b>5,984,031</b>
<b>FY2012 BUDGET OVER (UNDER)</b>	<b>(147,255)</b>	<b>(157,414)</b>	<b>(304,669)</b>

**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
<b>TOTAL</b>	<b>3,356,963</b>	<b>3,029,447</b>	<b>6,386,410</b>

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					
Expense Allocation to Partners	Actual	Actual	Approved	Estimated	Budgeting
REVENUES	FY2010	FY2011	FY2012	FY2012	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
<b>Total Revenues</b>	<b>3,495,433</b>	<b>3,891,048</b>	<b>4,149,700</b>	<b>3,844,655</b>	<b>4,012,410</b>
EXPENSES	Actual	Actual	Approved	Estimated	Budgeting
	FY2010	FY2011	FY2012	FY2012	FY2013
Div. 270 --Glenbard 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
<b>Total Expense</b>	<b>3,935,287</b>	<b>4,000,421</b>	<b>4,149,700</b>	<b>3,844,655</b>	<b>4,012,410</b>
<b>Income - Gain / (Loss)</b>	<b>(439,854)</b>	<b>(109,373)</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Use of Available cash</b>	<b>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Glenbard Wastewater Authority					
Budget 2011- 2013					
Total FY 2013 Budget					
	FY2010	FY2011	FY2012	FY2012	FY2013
	Actual	Actual	Approved	Estimated	Planning
<b>Operations &amp; Maintenance</b> (All Divisions)	\$3,935,287	\$3,938,600	\$4,149,700	\$3,844,655	\$4,012,410
<b>Capital Costs</b> (Expenses & Debt Repayment All Divisions)	\$4,525,639	\$5,536,000	\$3,313,200	\$3,744,109	\$3,325,000
<b>TOTAL</b>	<b>\$8,460,926</b>	<b>\$9,474,600</b>	<b>\$7,462,900</b>	<b>\$7,588,764</b>	<b>\$7,337,410</b>

## **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 22<sup>nd</sup> Street sewer pipe also conveys flow to the junction chamber, but is not considered an interceptor since it is the property of the Village of Lombard.

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**

		<b>Actual FY2010</b>	<b>Actual FY2011</b>	<b>Approved FY2012</b>	<b>Estimated FY2012</b>	<b>Budgeting FY2013</b>
<b>Operation/Maintenance</b>						
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
	<b>Interest Income - O&amp;M Fund</b>	<b>4,414</b>	<b>2,124</b>	<b>2,100</b>	<b>2,000</b>	<b>2,000</b>
	<b>IRMA Reimbursement</b>	<b>27,622</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>ComEd CLR Program Rebate</b>	<b>66,080</b>	<b>101,724</b>	<b>59,000</b>	<b>59,000</b>	<b>0</b>
	<b>Cell Tower Revenue</b>					<b>24,000</b>
	<b>Miscellaneous Revenue</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>DIVISION 270</b>		<b>3,262,633</b>	<b>3,537,072</b>	<b>3,757,500</b>	<b>3,466,404</b>	<b>3,570,100</b>

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%  
 Flow split for Lombard: 52.41%  
 (for 2 yrs. average ending 12/31/10)

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

Footnotes

**EXPENSES**

			Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
<b>Personnel Services</b>							
510100	Salaries - Regular	1	881,220	938,397	950,000	950,000	984,500
510110	Salaries - Part-Time Ops.	2	45,433	47,099	50,000	50,000	50,000
510200	Salaries - Overtime	3	83,501	56,862	67,000	40,000	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
	<b>Total</b>		<b>1,190,586</b>	<b>1,267,563</b>	<b>1,307,700</b>	<b>1,265,200</b>	<b>1,314,650</b>
<b>Contractual Services and Commodities</b>							
520305	Employee Recognition		416	0	1,000	1,000	1,000
520600	Dues/Subs./Fees		7,530	7,673	14,000	14,000	14,000
520615	Recruiting/Testing		0	0	0	0	0
520620	Employee Education		9,964	14,873	11,900	6,000	11,900
520625	Travel (Mileage)		0	0	500	0	500
520700	Pro. Serv.-Legal		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. Serv.-Lab.		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. Serv.-Acct.	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		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		14,706	11,467	15,000	14,000	15,000
530225	Safety		14,226	14,172	17,900	15,000	18,400
530440	Chemicals	15	57,656	69,985	70,000	57,000	60,000
530445	Uniforms		5,874	5,125	7,000	7,000	7,000
	<b>Total</b>		<b>2,504,076</b>	<b>2,378,882</b>	<b>2,449,700</b>	<b>2,201,204</b>	<b>2,255,450</b>
<b>TOTAL DIVISION 270</b>			<b>3,694,662</b>	<b>3,646,445</b>	<b>3,757,400</b>	<b>3,466,404</b>	<b>3,570,100</b>

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

**DIVISION 270 (GLENBARD PLANT)  
O&M FOOTNOTES**

- (1) **SALARIES: (\$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	<u>1,000</u>

Total All Divisions	\$1,022,000
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The full-time equivalent for all staff is approximately 15.8 including part-time 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) **SALARIES – OVERTIME: (\$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) **IMRF: (\$132,200)** – This represents a 1% increase over the FY12 budget number.

- (5) **DESIGN ENGINEERING: (\$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) **AUDIT FEES: (\$15,000)** – For the fifth (5<sup>th</sup>) 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) **INSURANCE – HEALTH: (\$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 (3<sup>rd</sup>) consecutive year at the FY11 agreed upon number.
- (11) **SLUDGE DISPOSAL FEES: (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) **ELECTRIC POWER: (\$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) **WATER: (\$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) **CHEMICALS: (\$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**

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

**Budget 2012-2013  
Operations & Maintenance  
Division 271  
Stormwater Plant**

**Footnotes**

**EXPENSES**

			Actual FY 2010	Actual FY 2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
<b>Personnel Services</b>							
510100	Salary-Regular	1	25,904	19,951	19,800	39,000	20,500
510200	Overtime	2	7,333	3,109	7,000	4,500	5,000
510400	FICA		2,440	1,679	2,000	3,000	1,600
510500	IMRF		2,773	2,990	3,500	5,000	2,700
	<b>Total</b>		<b>38,450</b>	<b>27,729</b>	<b>32,300</b>	<b>51,500</b>	<b>29,800</b>
<b>Operations &amp; Maintenance</b>							
520775	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
520816	Design Engineering		0	0	0	0	0
520885	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
520970	Maint.-Bldgs.& Grnds.		10,476	8,308	12,000	11,000	12,000
520975	Maint.-Equipment		2,716	2,373	1,600	6,700	4,100
520980	Maint.-Electronics	4	5,189	51,284	48,100	52,000	53,500
521130	Overhead Fees		4,900	2,500	2,900	2,900	2,900
521195	Telecommunications		3,209	2,735	3,500	3,200	2,600
521201	Electric Power		40,525	34,692	30,000	21,000	20,000
521202	Natural Gas		4,660	3,699	3,000	3,000	3,000
521203	Water		3,005	3,793	5,000	15,000	6,000
530105	Operations		1,269	1,407	2,000	2,000	1,700
	<b>Total</b>		<b>99,037</b>	<b>147,083</b>	<b>150,900</b>	<b>159,000</b>	<b>147,300</b>
<b>Commodities</b>							
530440	Chemicals		49,633	35,215	50,000	31,000	40,000
	<b>Total</b>		<b>49,633</b>	<b>35,215</b>	<b>50,000</b>	<b>31,000</b>	<b>40,000</b>
<b>Total Division 271</b>			<b>187,120</b>	<b>210,027</b>	<b>233,200</b>	<b>241,500</b>	<b>217,100</b>

\* 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) **SALARIES: (\$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) **SALARIES – OVERTIME: (\$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) **INSURANCE LIABILITY: (\$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**

		<b>Actual FY2010</b>	<b>Actual FY2011</b>	<b>Approved FY 2012</b>	<b>Estimated FY2012</b>	<b>Budgeting FY2013</b>
<b>Operation/Maintenance</b>						
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
	<b>Total</b>	<b>36,275</b>	<b>17,868</b>	<b>21,400</b>	<b>16,400</b>	<b>53,450</b>
<b>DIVISION 272</b>		<b>36,275</b>	<b>17,868</b>	<b>21,400</b>	<b>16,400</b>	<b>53,450</b>

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

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

Footnotes

EXPENSES

			Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
<b>Personnel Services</b>							
510100	Salary-Regular	1	12,222	3,320	5,000	2,500	3,000
510200	Overtime	2	1,596	269	1,200	100	500
510400	FICA		1,012	261	500	200	250
510500	IMRF		1,140	521	800	300	400
	<b>Total</b>		<b>15,970</b>	<b>4,371</b>	<b>7,500</b>	<b>3,100</b>	<b>4,150</b>
<b>Operations &amp; Maintenance</b>							
520885	Insurance - Liability	3	0	5,474	5,500	5,300	4,800
520895	Insurance - Health		794	1,000	1,200	800	1,300
520970	Maint.-Piping & Grnds.	4	917	0	0	0	36,000
520980	Maint.-Electronics		226	6,423	6,500	6,500	6,500
521130	Overhead Fees		1,200	600	700	700	700
521195	Telecommunications		1,349	0	0	0	0
521201	Electric Power		15,819	0	0	0	0
	<b>Total</b>		<b>20,305</b>	<b>13,497</b>	<b>13,900</b>	<b>13,300</b>	<b>49,300</b>
<b>Total Div. 272</b>	<b>Total</b>		<b>36,275</b>	<b>17,868</b>	<b>21,400</b>	<b>16,400</b>	<b>53,450</b>

**DIVISION 272 (NRI)  
O&M FOOTNOTES**

- (1) **SALARIES: (\$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) **INSURANCE LIABILITY: (\$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 22<sup>nd</sup> 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**

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

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

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

Footnotes

EXPENSES

			Actual FY2010	Actual FY2011	Approved FY 2012	Estimated FY2012	Budgeting FY2013
<b>Personnel Services</b>							
510100	Salary-Regular	1	2,610	975	2,000	1,000	1,000
510200	Overtime	2	570	134	500	100	500
510400	FICA		231	80	300	100	100
510500	IMRF		265	156	400	200	150
	<b>Total</b>		<b>3,676</b>	<b>1,345</b>	<b>3,200</b>	<b>1,400</b>	<b>1,750</b>
<b>Operations &amp; Maintenance</b>							
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	500	500	700
520970	Maint.-Piping &Grnds.	4	1,005	0	0	0	36,000
520975	Maint.-Equipment		2,777	0	0	550	0
520980	Maint.-Electronics		0	12,309	13,500	12,000	15,600
521130	Overhead Fees		1,200	600	300	300	300
521195	Telecommunications		1,896	0	0	0	0
521125	Leased Equipment		0	0	0	0	0
521201	Electric Power		7,984	0	0	0	0
	<b>Total</b>		<b>15,656</b>	<b>19,158</b>	<b>18,900</b>	<b>17,808</b>	<b>56,900</b>
<b>Total Division 273</b>			<b>19,332</b>	<b>20,503</b>	<b>22,100</b>	<b>19,208</b>	<b>58,650</b>

**DIVISION 273 (SRI)  
O&M FOOTNOTES**

- (1) **SALARIES: (\$1,000)** – The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) **SALARIES – OVERTIME: (\$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) **INSURANCE LIABILITY: (\$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**

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

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

**Budget 2012-2013  
Operations & Maintenance  
Division 274  
St. Charles Road Lift Station**

**Footnotes**

**EXPENSES**

			Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
<b>Personnel Services</b>							
510100	Salary-Regular	1		10,239	9,900	6,000	7,000
510200	Overtime	2		6,344	1,200	1,000	1,200
510400	FICA			1,207	800	500	550
510500	IMRF			1,959	1,500	900	250
	<b>Total</b>		<b>0</b>	<b>19,749</b>	<b>13,400</b>	<b>8,400</b>	<b>9,000</b>
<b>Operations &amp; Maintenance</b>							
520885	Insurance - Liability	3		1,230	6,000	5,720	5,100
520895	Insurance - Health			2,100	2,100	2,100	2,300
520970	Maint.-Bldgs.&Grnds.			618	600	300	600
520975	Maint.-Equipment	4		181	750	750	12,850
520980	Maint.-Electronics			32,707	38,200	30,000	32,500
521130	Overhead Fees			1,200	1,200	1,200	1,200
521195	Telecommunications			3,018	4,400	4,200	6,610
521201	Electric Power			18,031	15,000	15,000	11,000
	<b>Total</b>		<b>0</b>	<b>59,085</b>	<b>68,250</b>	<b>59,270</b>	<b>72,160</b>
<b>Total Division 274</b>			<b>0</b>	<b>78,834</b>	<b>81,650</b>	<b>67,670</b>	<b>81,160</b>

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

- (1) **SALARIES: (\$7,000)** – The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) **SALARIES – OVERTIME: (\$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) **INSURANCE LIABILITY: (\$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**

		<b>Actual FY2010</b>	<b>Actual FY2011</b>	<b>Approved FY2012</b>	<b>Estimated FY2012</b>	<b>Budgeting FY2013</b>
<b>Operation/Maintenance</b>						
450010	Glen Ellyn Share	0	18,990	25,900	27,500	23,900
<b>DIVISION 275</b>		<b>0</b>	<b>18,990</b>	<b>25,900</b>	<b>27,500</b>	<b>23,900</b>

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

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

Footnotes

EXPENSES

			Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
<b>Personnel Services</b>							
510100	Salary-Regular	1		3,565	3,500	5,200	4,000
510200	Overtime	2		1,645	1,500	3,900	1,500
510400	FICA			378	500	700	600
510500	IMRF			612	900	1,100	900
	<b>Total</b>		<b>0</b>	<b>6,200</b>	<b>6,400</b>	<b>10,900</b>	<b>7,000</b>
<b>Operations &amp; Maintenance</b>							
520885	Insurance - Liability	3		615	2,000	2,000	1,800
520895	Insurance - Health			1,100	1,000	1,000	1,200
520970	Maint.-Bldgs.&Grnds.			879	1,000	1,300	1,000
520975	Maint.-Equipment			0	2,100	1,500	2,100
520980	Maint.-Electronics	4		3,233	4,300	2,200	4,300
521130	Overhead Fees			600	600	600	600
521195	Telecommunications			1,149	1,000	1,000	900
521201	Electric Power			5,214	7,500	7,000	5,000
	<b>Total</b>		<b>0</b>	<b>12,790</b>	<b>19,500</b>	<b>16,600</b>	<b>16,900</b>
<b>Total Division 275</b>			<b>0</b>	<b>18,990</b>	<b>25,900</b>	<b>27,500</b>	<b>23,900</b>

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

- (1) **SALARIES: (\$4,000)** – The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) **SALARIES – OVERTIME: (\$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) **INSURANCE LIABILITY: (\$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**

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

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

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

**Footnotes**

**EXPENSES**

			Actual FY2010	Actual FY2011	Approved FY2012	Estimated FY2012	Budgeting FY2013
<b>Personnel Services</b>							
510100	Salary-Regular	1		901	1,000	800	1,000
510200	Overtime	2		0	0	0	0
510400	FICA			66	70	70	100
510500	IMRF			107	130	100	150
	<b>Total</b>		<b>0</b>	<b>1,074</b>	<b>1,200</b>	<b>970</b>	<b>1,250</b>
<b>Operations &amp; Maintenance</b>							
520885	Insurance - Liability	3		615	1,500	1,438	1,300
520895	Insurance - Health			1,100	200	200	300
520975	Maint.-Equipment			0	750	200	750
520980	Maint.-Electronics	4		0	1,000	1,900	1,000
521130	Overhead Fees			600	100	100	100
521201	Electric Power			3,092	0	0	0
	<b>Total</b>		<b>0</b>	<b>5,407</b>	<b>3,550</b>	<b>3,838</b>	<b>3,450</b>
<b>Total Division 276</b>			<b>0</b>	<b>6,481</b>	<b>4,750</b>	<b>4,808</b>	<b>4,700</b>

**DIVISION 276 (SRI LIFT STATION)  
O&M FOOTNOTES**

- (1) **SALARIES: (\$1,000)** – The salaries for the new divisions were based on actual expenses derived from FY11 & FY12 tracking information.
- (2) **SALARIES – OVERTIME: (\$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) **INSURANCE LIABILITY: (\$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**

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

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

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

**Footnotes**

**EXPENSES**

			<b>Actual FY2010</b>	<b>Actual FY2011</b>	<b>Approved FY2012</b>	<b>Estimated FY2012</b>	<b>Budgeting FY2013</b>
<b>Personnel Services</b>							
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
	<b>Total</b>		<b>0</b>	<b>50</b>	<b>1,200</b>	<b>120</b>	<b>1,250</b>
<b>Operations &amp; Maintenance</b>							
520885	Insurance - Liability	2		246	500	445	400
520895	Insurance - Health			500	200	200	300
520975	Maint.-Equipment			0	500	100	500
520980	Maint.-Electronics	3		177	800	200	800
521130	Overhead Fees			300	100	100	100
	<b>Total</b>		<b>0</b>	<b>1,223</b>	<b>2,100</b>	<b>1,045</b>	<b>2,100</b>
<b>Total Division 277</b>			<b>0</b>	<b>1,273</b>	<b>3,300</b>	<b>1,165</b>	<b>3,350</b>

**DIVISION 277 (SUNNYSIDE LIFT STATION)  
O&M FOOTNOTES**

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



Budget 2012-2013  
 Glenbard Treatment Facility  
 Fund 40 Capital Plan  
 Capital Projects Detail

	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
<b>REVENUES TOTAL:</b>	<b>5,268,000</b>	<b>2,952,109</b>	<b>1,504,400</b>	<b>2,173,400</b>	<b>1,666,800</b>
<b>Interfund Transfers</b>					
INTERFUND TRANSFER TO CAPITAL FUND 41		1,263,000	-	-	-
INTERFUND TRANSFER TO CAPITAL FUND 44		2,400,000	-	-	-
<b>IFT SUBTOTAL:</b>		<b>3,663,000</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>PRINCIPAL &amp; INTEREST:</b>					
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
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>	<b>452,900</b>	<b>899,772</b>	<b>899,200</b>	<b>899,200</b>	<b>900,000</b>
<b>CAPITAL OUTLAY:</b>					
40 570155 ROLLING STOCK - VEHICLES	73,000	19,916	-	-	185,000
40 580120 SMALL CAPITAL PROJECTS	154,000	125,181	88,000	55,000	126,000
40 580120 ADS METER UPGRADE		-	-	-	-
40 580140 INFRASTRUCTURE UPGRADES	117,000	55,330	414,000	250,000	520,000
40 580145 ROOF UPGRADES	22,000	-	50,000	50,000	100,000
40 580150 PLANT EQUIPMENT REHABILITATION	203,000	19,177	151,000	75,000	30,000
40 580150 OXYGEN SYSTEM REHABILITATION		-	100,000	200,000	350,000
40 580150 CRYO 1YR & 5YR MAINTENANCE		-	130,000	60,000	20,000
40 580170 SCREW PUMP REHAB OR REPLACEMENT					850,000
40 580180 RAW PUMP VFD REPLACE/CONTROL ROOM					50,000
40 580190 ELECTRICAL DISTRIBUTION MAINTENANCE					-
40 580600 FACILITY PLAN			75,000	45,000	-
40 580610 ASSET ANALYSIS			75,000	38,500	-
40 580235 00301 BIO SOLIDS ENGINEER SERVICES		141,991		43,907	-
40 580239 ANAEROBIC DIGESTER IMPROVEMENTS	2,584,000			665,000	-
40 580239 ENGINEERING	457,000				-
40 580239 CONSTRUCTION		442,187			-
40 580450 00401 ST. CHARLES LIFT STATION	441,000	1,560	-	1,802	-
40 580475 LOMBARD PLANT UPGRADES	23,000	-	-	-	-
40 580620 O & M MANUAL UPDATE		-			-
40 520700 LEGAL-GENERAL COUNSEL				30,000	-
<b>CAPITAL OUTLAY TOTALS:</b>	<b>4,074,000</b>	<b>805,342</b>	<b>1,083,000</b>	<b>1,514,209</b>	<b>2,231,000</b>
<b>PRINCIPAL &amp; INTEREST / CAPITAL OUTLAY TOTALS</b>	<b>4,526,900</b>	<b>1,705,114</b>	<b>1,982,200</b>	<b>2,413,409</b>	<b>3,131,000</b>

**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
<b>Total</b>	<b>100%</b>	<b>\$1,160,588</b>	<b>\$1,239,212</b>	<b>\$2,400,000</b>

(2) **BIP Project Debt Payment: (\$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.

(3) **Anaerobic Digester Improvement Project Debt Payment: (\$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) **Small Capital Projects: (\$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) **Infrastructure Improvements: (\$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) **Cryo 1 Year Maintenance: (\$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

Footnotes

REVENUE in Thousands\$	FY(2011) Actual	FY(2012) Estimated	FY(2013) Budgeting	FY(2014) Planning	FY(2015) Planning	FY(2016) Planning	FY(2017) Planning	FY(2018) Planning	FY(2019) Planning	FY(2020) Planning
Proceeds from Borrowing										
Interfund Transfer From Capital Fund 40	1263									
Investment Income	2									
Miscellaneous Revenue	0									
Sinking Fund	0	264	288	312	264	336	336	336	336	336
<b>TOTAL REVENUE</b>	<b>1265</b>	<b>264</b>	<b>288</b>	<b>312</b>	<b>264</b>	<b>336</b>	<b>336</b>	<b>336</b>	<b>336</b>	<b>336</b>
<b>EXPENSES in Thousands\$</b>										
<b>Debt Service Payments:</b>										
CSO Project Debt Payment (P & I)	74	74	74	74	37	0	0	0	0	0
<b>Debt Service Subtotal</b>	<b>74</b>	<b>74</b>	<b>74</b>	<b>74</b>	<b>37</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Capital Outlay</b>										
Small Capital Projects	0	0	0							
Infrastructure Improvements	14	0	5							
Equipment Rehabilitation	0	7	0							
Roof Replacements	0	0	0							
<b>Capital Improvements</b>										
Lombard Weir Study/ Lombard Upgrades										
Engineering		110	0							
Construction	200	975	0							
Clarifier Drive Mechanism & Structural Integrity Evaluation			15							
<b>Project Total</b>	<b>214</b>	<b>1092</b>	<b>20</b>	<b>0</b>						
<b>DEBT SERVICES / PROJECTS TOTAL EXPENSES</b>	<b>288</b>	<b>1166</b>	<b>94</b>	<b>74</b>	<b>37</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Cash on Hand 5/1	0	977	75	269	507	734	1070	1406	1742	2078
Gain/Loss FY	977	(902)	194	238	227	336	336	336	336	336
Cash on Hand 4/30	977	75	269	507	734	1070	1406	1742	2078	2414

Budget 2012-2013  
 Lombard Combine Sewerage Treatment Facility  
 Fund 41 Capital Plan  
 Capital Projects 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
	<b>REVENUES</b>	-	<b>1,265,000</b>	<b>264,000</b>	<b>264,000</b>	<b>264,000</b>
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
	<b>PRINCIPAL &amp; INTEREST TOTALS:</b>	-	<b>73,610</b>	<b>73,700</b>	<b>73,700</b>	<b>74,000</b>
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
	<b>CAPITAL OUTLAY TOTALS:</b>	-	<b>214,000</b>	<b>1,092,000</b>	<b>1,092,000</b>	<b>20,000</b>
	<b>PRINCIPAL &amp; INTEREST / CAPITAL OUTLAY TOTALS</b>	-	<b>287,610</b>	<b>1,165,700</b>	<b>1,165,700</b>	<b>94,000</b>

**FUND 41 (STORMWATER PLANT)  
CAPITAL FOOTNOTES**

- (1) **Sinking Fund: (\$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) **Stormwater Plant Project Debt Payment: (\$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) **Infrastructure Improvements: (\$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

Footnotes

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						
	Proceeds from Borrowing	0	0	0							
	Interfund Transfer From Capital Fund 40	0	0	0							
	Investment Income	0	0	0							
	Miscellaneous Revenue	0	0	0							
	Sinking Fund	0	152	166	179	193	193	193	193	193	193
	<b>TOTAL REVENUE</b>	<b>0</b>	<b>152</b>	<b>166</b>	<b>179</b>	<b>193</b>	<b>193</b>	<b>193</b>	<b>193</b>	<b>193</b>	<b>193</b>
<b>EXPENSES in Thousands\$</b>											
<b>Debt Service Payments:</b>											
	Debt Service Subtotal	0	0	0	0	0	0	0	0	0	0
	Capital Outlay										
	Small Capital Projects	0	0	0							
	Infrastructure Improvements	0	0	0							
	Capital Improvements										
	Project Total	0	0	0	0	0	0	0	0	0	0
<b>DEBT SERVICES / PROJECTS TOTAL EXPENSES</b>											
	Cash on Hand 5/1	0	0	152	318	497	690	883	1076	1269	1462
	Gain/Loss FY	0	152	166	179	193	193	193	193	193	193
	Cash on Hand 4/30	0	152	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
<b>REVENUES</b>		-	-	<b>151,800</b>	<b>151,800</b>	<b>165,600</b>
		-	-	-	-	-
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>		-	-	<b>0</b>	<b>0</b>	<b>0</b>
42 580120	Small Capital Projects			0	0	0
42 580140	Infrastructure Improvements			0	0	0
<b>CAPITAL OUTLAY TOTALS:</b>		-	-	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCIPAL &amp; INTEREST / CAPITAL OUTLAY TOTALS</b>		-	-	<b>0</b>	<b>0</b>	<b>0</b>

**FUND 42 (NRI)  
CAPITAL FOOTNOTES**

- (1) **Sinking Fund: (\$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

Footnotes

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						
Proceeds from Borrowing	0									
Interfund Transfer From Capital Fund 40	0									
Investment Income	0									
Miscellaneous Revenue	0									
Sinking Fund	0	68	74	81	87	87	87	87	87	87
<b>TOTAL REVENUE</b>	<b>0</b>	<b>68</b>	<b>74</b>	<b>81</b>	<b>87</b>	<b>87</b>	<b>87</b>	<b>87</b>	<b>87</b>	<b>87</b>
<b>EXPENSES in Thousands\$</b>	<b>FY(2011)</b>	<b>FY(2012)</b>	<b>FY(2013)</b>	<b>FY(2014)</b>	<b>FY(2015)</b>	<b>FY(2016)</b>	<b>FY(2017)</b>	<b>FY(2018)</b>	<b>FY(2019)</b>	<b>FY(2020)</b>
<b>Debt Service Payments:</b>	<b>Actual</b>	<b>Estimated</b>	<b>Budgeting</b>	<b>Planning</b>						
Debt Service Subtotal	0	0	0	0	0	0	0	0	0	0
Capital Outlay										
Small Capital Projects	0	0	0							
Infrastructure Improvements	0	0	0							
Capital Improvements										
Project Total	0	0	0	0	0	0	0	0	0	0
<b>DEBT SERVICES / PROJECTS TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Cash on Hand 5/1	0	0	68	142	223	310	397	484	571	658
Gain/Loss FY	0	68	74	81	87	87	87	87	87	87
Cash on Hand 4/30	0	68	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
<b>REVENUES</b>		-	-	68,200	68,200	74,400
		-	-	0	0	0
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>		-	-	0	0	0
43 580120	Small Capital Projects			0	0	0
43 580140	Infrastructure Improvements			0	0	0
<b>CAPITAL OUTLAY TOTALS:</b>		-	-	0	0	0
<b>PRINCIPAL &amp; INTEREST / CAPITAL OUTLAY TOTALS</b>		-	-	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

Footnotes

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

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
<b>REVENUES</b>	-	<b>2,400,000</b>	<b>147,400</b>	<b>147,400</b>	<b>160,800</b>
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>	-	-	-	-	-
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	-
<b>CAPITAL OUTLAY TOTALS:</b>	-	<b>2,400,000</b>	<b>120,000</b>	<b>120,000</b>	-
<b>PRINCIPAL &amp; INTEREST / CAPITAL OUTLAY TOTALS</b>	-	<b>2,400,000</b>	<b>120,000</b>	<b>120,000</b>	-

**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.



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
<b>REVENUES</b>		-	-	<b>45,100</b>	<b>45,100</b>	<b>49,200</b>
		-				
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>		-	-	-	-	-
45 580120	SMALL CAPITAL PROJECTS					
45 580140	INFRASTRUCTURE IMPROVEMENTS					100,000
45 580450	LIFT STATION IMPROVEMENTS DESIGN					
45 580150	EQUIPMENT REHABILITATION			15,000	15,000	-
<b>CAPITAL OUTLAY TOTALS:</b>		-	-	<b>15,000</b>	<b>15,000</b>	<b>100,000</b>
<b>PRINCIPAL &amp; INTEREST / CAPITAL OUTLAY TOTALS</b>		-	-	<b>15,000</b>	<b>15,000</b>	<b>100,000</b>

**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) **Lift Station Improvement Project: (\$100,000)** – Engineering is planned for FY13 with construction planned for FY14.

FY2013  
SRI Lift Station  
Fund 46 Capital Plan

Totals

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						
Proceeds from Borrowing	0	0	0							
Interfund Transfer From Capital Fund 40	0	0	0							
Investment Income	0	0	0							
Miscellaneous Revenue	0	0	0							
Sinking Fund	0	45	49	53	57	57	57	57	57	57
<b>TOTAL REVENUE</b>	<b>0</b>	<b>45</b>	<b>49</b>	<b>53</b>	<b>57</b>	<b>57</b>	<b>57</b>	<b>57</b>	<b>57</b>	<b>57</b>
<b>EXPENSES in Thousands\$</b>										
<b>Debt Service Payments:</b>										
	FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)	FY(2018)	FY(2019)	FY(2020)
	Estimated	Approved	Budgeting	Planning						
Debt Service Subtotal	0	0	0	0	0	0	0	0	0	0
<b>Capital Outlay</b>										
Small Capital Projects	0	0	0							
Infrastructure Improvements	0	30	0							
Equipment Rehabilitation	0	0	0							
Roof Replacements	0	0	0							
Capital Improvements										
<b>Project Total</b>	<b>0</b>	<b>30</b>	<b>0</b>							
<b>DEBT SERVICES / PROJECTS TOTAL EXPENSES</b>	<b>0</b>	<b>30</b>	<b>0</b>							
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
<b>REVENUES</b>	-	-	<b>45,100</b>	<b>45,100</b>	<b>49,200</b>
	-				
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>	-	-	-	-	-
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
<b>CAPITAL OUTLAY TOTALS:</b>	-	-	<b>30,000</b>	<b>30,000</b>	<b>0</b>
<b>PRINCIPAL &amp; INTEREST / CAPITAL OUTLAY TOTALS</b>	-	-	<b>30,000</b>	<b>30,000</b>	<b>0</b>

**FUND 46 (SRI LIFT STATION)  
CAPITAL FOOTNOTES**

- (1) **Sinking Fund: (\$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

Footnotes

REVENUE in Thousands\$	FY(2011) Actual	FY(2012) Approved	FY(2013) Budgeting	FY(2014) Planning	FY(2015) Planning	FY(2016) Planning	FY(2017) Planning	FY(2018) Planning	FY(2019) Planning	FY(2020) Planning
Proceeds from Borrowing	0	0	0							
Interfund Transfer From Capital Fund 40	0	0	0							
Investment Income	0	0	0							
Miscellaneous Revenue	0	0	0							
Sinking Fund	0	11	12	13	14	14	14	14	14	14
<b>TOTAL REVENUE</b>	<b>0</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>
<b>EXPENSES in Thousands\$</b>										
Debt Service Payments:										
Debt Service Subtotal	0	0	0	0	0	0	0	0	0	0
Capital Outlay										
Small Capital Projects	0	0	0							
Infrastructure Improvements	0	0	0							
Equipment Rehabilitation	0	0	0							
Roof Replacements	0	0	0							
Capital Improvements										
Project Total	0	0	0	0	0	0	0	0	0	0
<b>DEBT SERVICES / PROJECTS TOTAL EXPENSES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Cash on Hand 5/1	0	0	11	23	36	50	64	78	92	106
Gain/Loss FY	0	11	12	13	14	14	14	14	14	14
Cash on Hand 4/30	0	11	23	36	50	64	78	92	106	120

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
<b>REVENUES</b>	-	-	11,000	11,000	12,000
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>	-	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
<b>CAPITAL OUTLAY TOTALS:</b>	-	0	0	0	0
<b>PRINCIPAL &amp; INTEREST / CAPITAL OUTLAY TOTALS</b>	-	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 Plant Sinking Fund	2,000,000	2,200,000	1,467,400	1,467,400	1,600,800
	<b>Total</b>	<b>\$2,000,000</b>	<b>\$2,200,000</b>	<b>\$1,467,400</b>	<b>\$1,467,400</b>	<b>\$1,600,800</b>
	Glen Ellyn Flow Split - 47.36%	976,640	1,078,543	698,292	698,292	758,139
	Lombard Flow Split - 52.64%	1,023,360	1,121,457	769,108	769,108	842,661
	<b>Total Flow Split</b>	<b>\$2,000,000</b>	<b>\$2,200,000</b>	<b>\$1,467,400</b>	<b>\$1,467,400</b>	<b>\$1,600,800</b>

**Fund 41  
Stormwater Plant**

5966	Stormwater Plant Eq.Rpl. Fund		-	264,000	264,000	288,000
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$264,000</b>	<b>\$264,000</b>	<b>\$288,000</b>

**Fund 42  
North Regional Interceptor (NRI)**

5966	NRI-Eq. Rpl. Fund		-	151,800	151,800	165,600
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$151,800</b>	<b>\$151,800</b>	<b>\$165,600</b>
	Glen Ellyn Flow Split - 34.45%	-	-	52,215	52,215	57,049
	Lombard Flow Split - 65.55%	-	-	99,585	99,585	108,551
	<b>Total Flow Split</b>	<b>-</b>	<b>-</b>	<b>\$151,800</b>	<b>\$151,800</b>	<b>\$165,600</b>

**Fund 43  
South Regional Interceptor (SRI)**

5966	SRI-Eq. Rpl. Fund		-	68,200	68,200	74,400
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$68,200</b>	<b>\$68,200</b>	<b>\$74,400</b>

**Fund 44  
St. Charles Road Lift Station**

5966	St. Charles Road L.S.	-	-	147,400	147,400	160,800
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$147,400</b>	<b>\$147,400</b>	<b>\$160,800</b>

**Fund 45  
Valley View Lift Station**

5966	Vallley View L.S.	-	-	45,100	45,100	49,200
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,100</b>	<b>\$45,100</b>	<b>\$49,200</b>

**Fund 46  
SRI Lift Station**

5966	SRI Lift Station	-	-	45,100	45,100	49,200
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$45,100</b>	<b>\$45,100</b>	<b>\$49,200</b>

**Fund 47  
Sunnyside Lift Station**

5966	Sunnyside Lift Station	-	-	11,000	11,000	12,000
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,000</b>	<b>\$11,000</b>	<b>\$12,000</b>

<b>Total all Sinking Funds Revenue</b>		<b>\$2,000,000</b>	<b>\$2,200,000</b>	<b>\$2,200,000</b>	<b>\$2,200,000</b>	<b>\$2,400,000</b>
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<b>Total Glen Ellyn Sinking Funds Contribution to:</b>		<b>\$976,640</b>	<b>\$1,078,543</b>	<b>\$1,067,306</b>	<b>\$1,067,306</b>	<b>\$1,160,788</b>
<b>Total Lombard Sinking Funds Contribution:</b>		<b>\$1,023,360</b>	<b>\$1,121,457</b>	<b>\$1,132,694</b>	<b>\$1,132,694</b>	<b>\$1,239,212</b>

**Glenbard Wastewater Authority**

**Sinking Fund Contributions**

Fiscal Year	Glenbard 84.6%		Stormwater
	VGE	VGL	
FY(1986)	\$ 28,027.13		\$
FY(1987)	486,027.00		
FY(1988)	242,987.00	282,256.00	
FY(1989)	242,987.00	282,256.00	
FY(1990)	243,519.00	323,236.00	
FY(1991)	308,090.00	371,910.00	
FY(1992)	253,884.00	296,485.00	
FY(1993)	256,274.00	268,331.00	
FY(1994)	265,659.00	341,029.00	
FY(1995)	243,431.00	348,656.00	
FY(1996)	256,157.00	335,727.00	
FY(1997)	278,157.00	369,235.00	
FY(1998)	237,362.00	476,938.00	
FY(1999)	331,337.00	418,463.00	
FY(2000)	401,631.00	491,876.00	
FY(2001)	516,247.00	632,245.00	
FY(2002)	608,349.00	698,803.00	
FY(2003)	674,746.00	814,429.00	
FY(2004)	718,811.00	816,454.00	
FY(2005)	786,524.00	849,663.00	
FY(2006)	849,633.00	908,422.00	
FY(2007)	821,398.00	870,602.00	
FY(2008)	729,051.00	762,949.00	
FY(2009)	746,126.32	776,674.00	
FY(2010)	826,237.44	865,762.56	
FY(2011)	896,633.10	964,566.90	
<b>TOTALS</b>	<b>\$ 12,249,284.99</b>	<b>\$ 12,602,401.56</b>	<b>\$ 3</b>

Fiscal Year	Division 40	Division 41	F
	Glenbard Plant 66.7%	Stormwater Plant 12%	
FY(2012)	1,467,400.00	264,000.00	
FY(2013)	1,600,800.00	288,000.00	
FY(2014)	1,734,200.00	312,000.00	
FY(2015)	1,867,600.00	336,000.00	
<b>Totals</b>	<b>\$ 15,317,484.99</b>	<b>\$ 13,154,401.56</b>	<b>\$ 3</b>

**NOTE:**

As a condition of Grant funding, the United States Environment be sure adequate funds are in place to replace equipment and

The 1985 Fred P. Johnson and Associates study recommended seven percent (7%) each year. The Johnson study projected the

In FY1992, after analyzing likely FY1992 - FY1997 equipment will be adequate. The Sinking Fund is shown as growing by five

A Facility Plan developed in FY(1998) caused the Glenbard Stormwater by FY (2004). The Sinking Fund will also grow by 7% as suggested and modifications in conjunction with the facilities plan update

As a guideline for FY2011, GWA has utilized the latest fixed as

FY 2013 is the third year the budget has been formatted without formatted without a supporting IGA. If an agreeable funding me

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

	<b><u>Lombard CSO Upgrade</u></b>	<b><u>Biosolids Improvement Project</u></b>	<b><u>Digester Project</u></b>	<b><u>Total Debt Service</u></b>
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
	<b>736,100</b>	<b>3,769,675</b>	<b>7,814,174</b>	<b>12,319,949</b>

**FINAL**

**FINAL**

**Estimated**

<b>Budget FY 2013</b>		
<b>Lombard CSO Upgrade Project</b>		<b>FINAL</b>
<b>IEPA Loan - Payback Schedule</b>		
<b>Loan Amount:</b>	<b>\$630,360</b>	
<b>Interest Rate:</b>	<b>2.6750%</b>	
<b>Total Value of Loan (Principal + Interest):</b>	<b>\$736,095</b>	

<u>Fiscal</u> <u>Year</u>	<u>Expense</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan</u> <u>Payment</u>	<u>Remaining</u> <u>Balance</u>
FY 2004	\$736,095	\$0	\$0	\$0	\$736,095
FY 2005		\$8,589	\$28,216	\$36,805	\$699,290
FY 2006		\$16,040	\$57,570	\$73,610	\$625,680
FY 2007		\$14,489	\$59,121	\$73,610	\$552,070
FY 2008		\$12,898	\$60,712	\$73,610	\$478,460
FY 2009		\$11,263	\$62,347	\$73,610	\$404,850
FY 2010		\$9,582	\$64,028	\$73,610	\$331,240
FY 2011		\$7,860	\$65,750	\$73,610	\$257,630
FY 2012		\$6,088	\$67,522	\$73,610	\$184,020
FY 2013*		\$4,270	\$69,340	\$73,610	\$110,410
FY 2014		\$2,404	\$71,206	\$73,610	\$36,800
FY 2015		\$485	\$36,315	\$36,800	\$0
<b>Totals</b>		<b>\$93,968</b>	<b>\$642,127</b>	<b>\$736,095</b>	<b>\$0</b>

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 February of 2004 with construction costs totaling \$641,000.

<b>Budget FY 2013</b>	
<b>Biosolids Improvement Project</b>	<b>FINAL</b>
<b>IEPA Loan - Payback Schedule</b>	
<b>Current Amount Borrowed:</b>	<b>\$3,306,983</b>
<b>Interest Rate:</b>	<b>2.57%</b>
<b>Total Value of Loan (Principal + Interest):</b>	<b>\$3,769,678</b>

<u>Fiscal Year</u>	<u>Balance</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan Payment</u>	<u>Remaining 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
<b>Totals</b>		<b>\$462,695</b>	<b>\$3,306,983</b>	<b>\$3,769,678</b>	

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**

<u>Fiscal Year</u>	<u>Balance</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan Payment</u>	<u>Remaining 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
<b>Totals</b>		\$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 Range	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13
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
<b>Totals</b>		<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
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	H	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
<b>Totals</b>		<b>12</b>	<b>11</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>
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
<b>Totals</b>		<b>5</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
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
<b>Totals</b>		<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
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

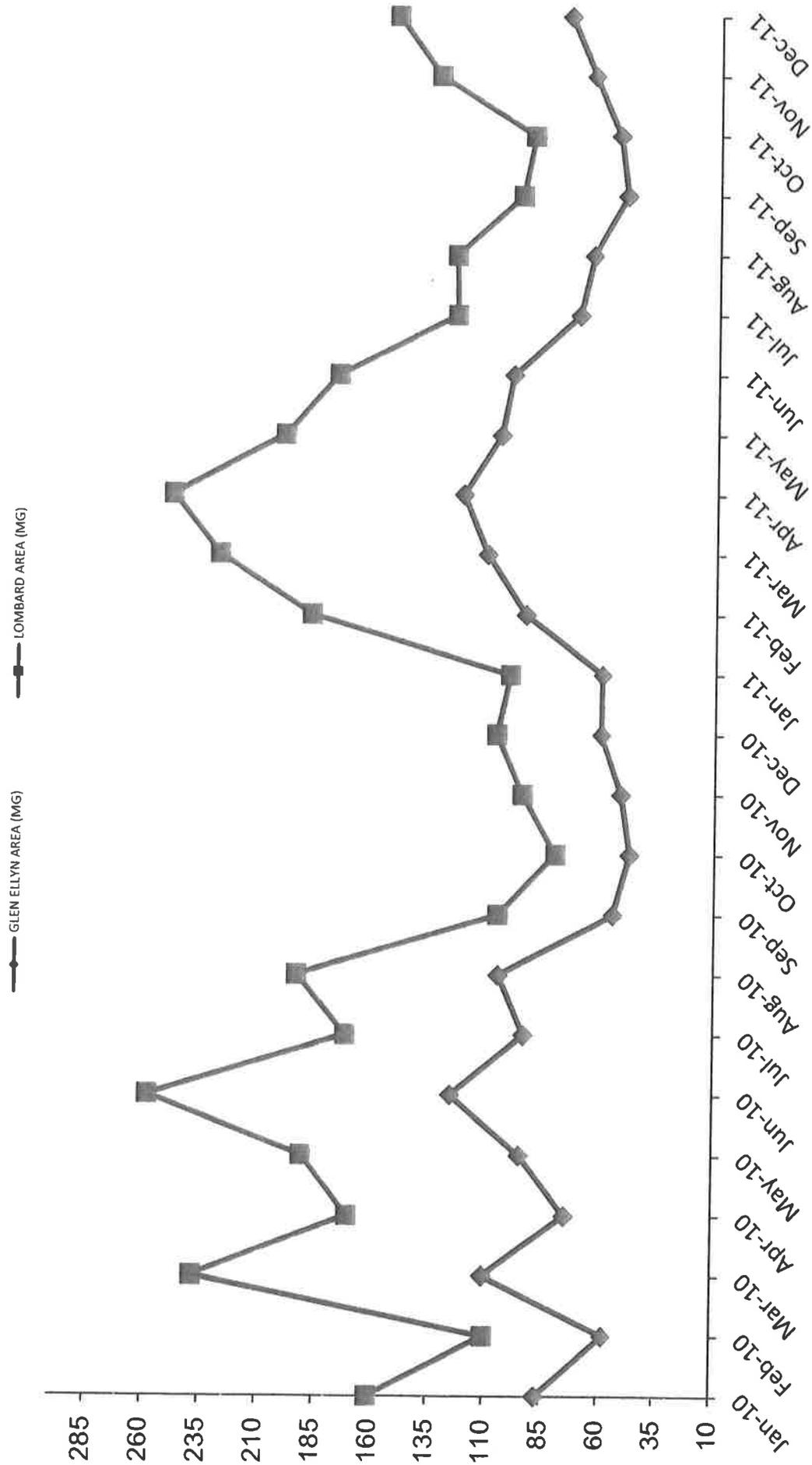
Glenbard Wastewater Authority  
Salary Schedule - May 1, 2012 through April 30, 2013

Range	Annualized			Hourly		
	Min	Mid	Max	Min	Mid	Max
FY12/13 Salary Schedule Adjustment = 1.00%						
A	\$ 34,632	\$ 43,680	\$ 52,603	\$ 16.65	\$ 21.00	\$ 25.29
B	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
H	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**

<b>MONTH</b>	<b>N.R.I. SUM TOTAL</b>	<b>GLEN ELLYN (MG)</b>	<b>% OF N.R.I.</b>	<b>LOMBARD (MG)</b>	<b>% OF N.R.I.</b>
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%
<b>AVERAGE</b>	<b>237.641</b>	<b>81.103</b>	<b>34.45%</b>	<b>156.537</b>	<b>65.55%</b>

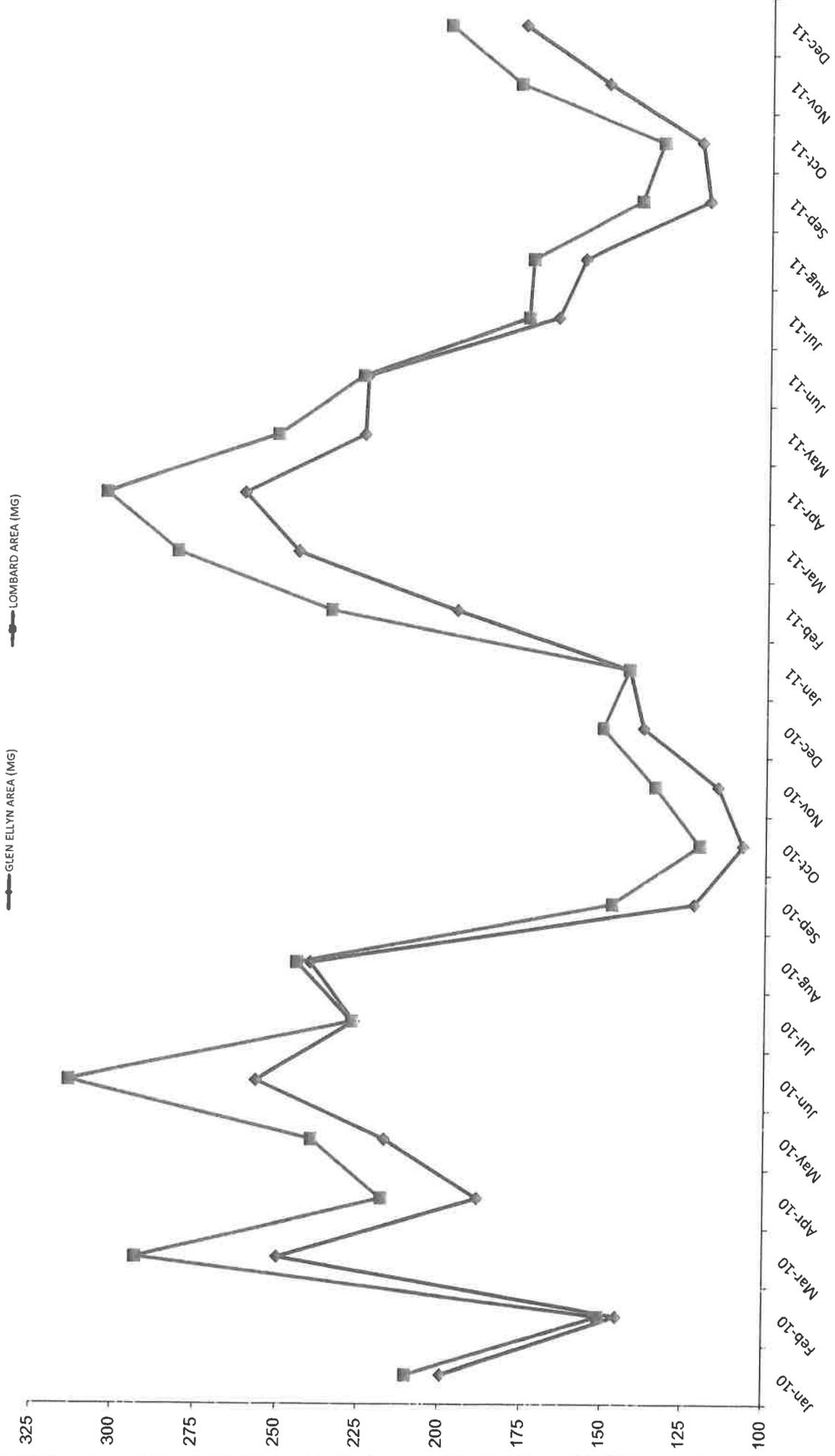
# NRI WASTEWATER FLOWS FOR FY13 BUDGET



**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%
<b>AVERAGE</b>	<b>386.866</b>	<b>183.066</b>	<b>47.36%</b>	<b>203.801</b>	<b>52.64%</b>

# TOTAL WASTEWATER FLOWS FOR FY13 BUDGET



## Master Percentage Splits Summary

### Health Insurance & Overhead Fees

<u>Division</u>	<u>FY13 Budgeted Personnel Cost</u>	<u>%</u>	<u>Health Insurance</u>	<u>Overhead Fees</u>
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
	<u>1,402,200</u>	<u>100.0%</u>	<u>234,900</u>	<u>123,100</u>

### Liability Insurance

<u>Workers Compensation Portion</u> 118,291	<u>Property Portion (1/3)</u> 59,146
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<u>Division</u>	<u>FY13 Budgeted Personnel Cost</u>	<u>%</u>	<u>WC Share</u>	<u>Asset Division %</u>	<u>Property Share</u>	<u>Budget Amount</u>
270	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
	<u>1,402,200</u>	<u>100.0%</u>	<u>118,300</u>	<u>100.0%</u>	<u>59,200</u>	<u>177,500</u>