

**GLENBARD
WASTEWATER
AUTHORITY**



**FY 2008
ANNUAL
BUDGET**

OPERATIONS, MAINTENANCE

AND

CAPITAL PLAN

MAY 1, 2007 – APRIL 30, 2008

Curt Barrett
Acting Wastewater Manager
April 2007



GLENBARD WASTEWATER AUTHORITY

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April 4, 2007

President Vicky Hase and
Members of the Glenbard Wastewater Authority Board
Glen Ellyn, Illinois 60137

Subject: May 1, 2007 - April 30, 2008 Glenbard Wastewater Authority Budget
(FY 2008)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) FY 08 Budget. The Glenbard Staff developed the proposed budget that was recommended for approval by the Executive Oversight Committee (EOC) at the regularly scheduled EOC meeting March 14, 2007. The proposed FY 08 Budget shows a 7% increase in the overall contribution from the Villages. The budget reflects a substantial capital improvement plan continuing the upgrading of the plant and equipment that has been a major focus at the Authority in recent years. The proposed budget includes funding that will assure continued plant operation meeting regulatory standards and improving the water quality of the East Branch 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 103,500 and 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.

Protecting the Environment for Tomorrow

The major components of the Authority, as depicted in Figure 1, are the 16.02 million gallons per day Glenbard Advanced Wastewater Treatment Facilities, the 58.0 million gallons per day Lombard Combined Sewage Treatment Facility (LCSTF), the North Regional Interceptor (NRI), the South Regional Interceptor (SRI), the Valley View Pump Station and the St. Charles Road Pump 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 sewerage 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 Lombard Combined Sewage Treatment Facility is an excess flow treatment plant that accepts combined sanitary and storm sewer discharges from the Village of Lombard. This facility operates only under high rain conditions and is funded solely by 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 Lombard Combined Sewage Treatment Facility (LCSTF) 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 finally 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.

GLENBARD FACILITIES PLANNING AREA

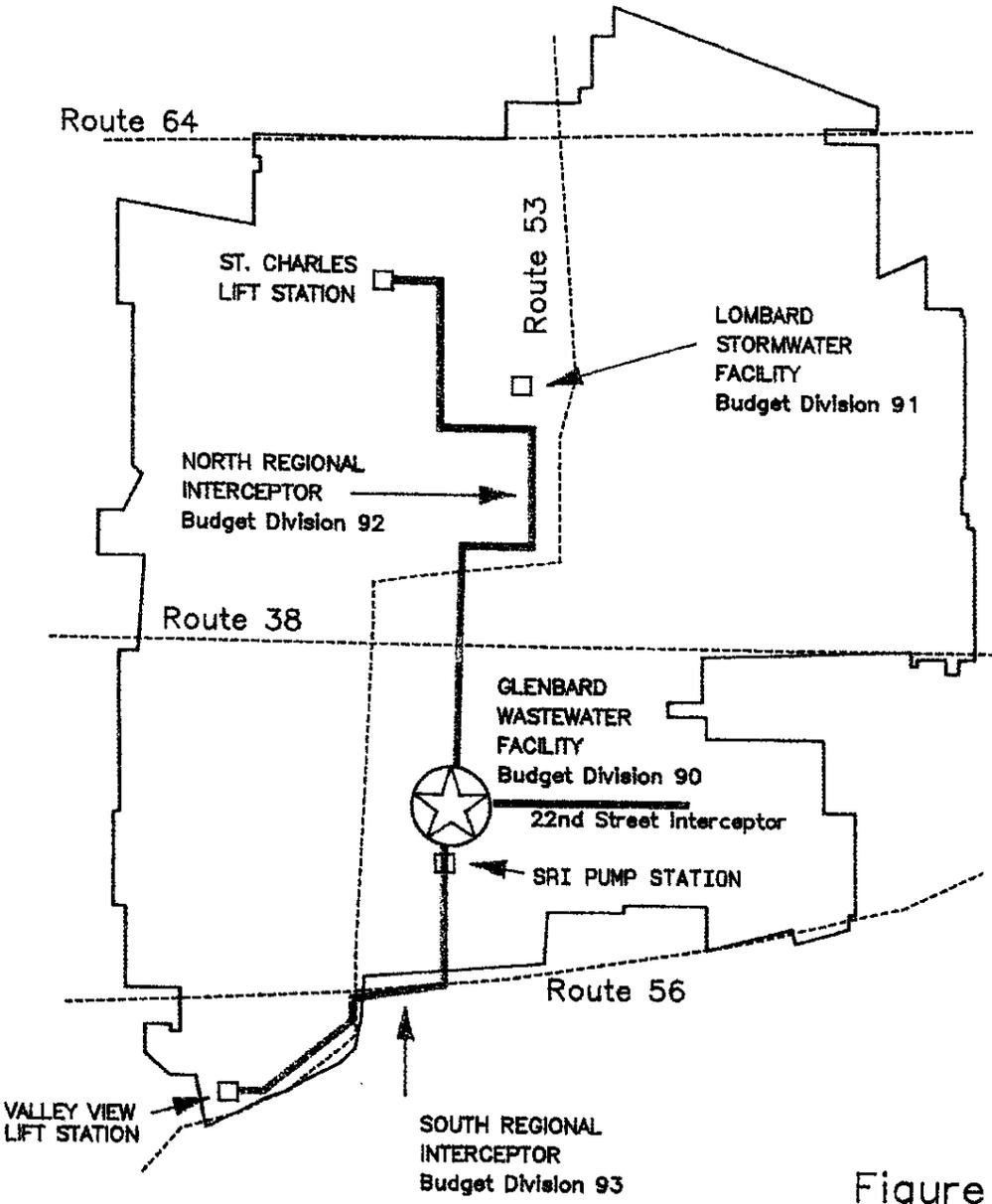


Figure 1

AUTHORITY ORGANIZATION

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

EXECUTIVE OVERSIGHT COMMITTEE -- The Executive Oversight Committee (EOC) was formed in 1984. The EOC is currently composed of the Village Presidents of Glen Ellyn and Lombard, 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.

STAFF -- The day-to-day operation of the facilities is under a Wastewater Manager who is appointed and approved by the Executive Oversight Committee. An approved budget allotment of 22 highly qualified individuals staff the Authority. Fourteen employees work full-time while another 8 work part-time. Eleven employees are certified by the Illinois Environmental Protection Agency in wastewater treatment operations, and 7 of those 11 employees hold Class I certificates, the highest certification possible within the State of Illinois.

BUDGET ORGANIZATION

The Authority has adopted a May 1 to April 30 fiscal year to be consistent with Glen Ellyn, the lead agency. 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. All revenue except the payments from the individual Villages is placed in the Capital Fund (Fund 40) and used solely on capital projects. There are two major funds: Operations and Maintenance (Fund 27) and the Capital Fund (Fund 40).

OPERATIONS AND MAINTENANCE (O&M) FUND

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

Maintenance is defined as the preservation of functional integrity of equipment and structures. This includes preventive, predictive, and corrective maintenance. The Operations and Maintenance Budget is divided into four divisions with budgeted expenses as follows:

	Actual FY 2006	Approved FY 2007	Proposed FY 2008
Div. 270 - Glenbard Plant	\$2,969,400	\$3,162,700	\$3,776,650
Div. 271 - Stormwater Plant	139,000	162,000	186,000
Div. 272 - N. Reg. Int.	25,500	29,500	34,250
Div. 273 - S. Reg. Int.	20,200	22,000	26,350
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	\$3,134,100	\$3,376,200	\$4,023,250

Proposed FY 2008 operating expenses of \$4,023,250 as allocated to Glen Ellyn and Lombard, are 19.0 % (\$647,050) higher than the approved FY 2007 budget. This increase is reflective of a significant cost increase in electricity due to the deregulation of electricity. ComEd will no longer be a supplier of power and the current favorable rate structure that the Authority has will no longer be provided.

The six most significant cost centers in the proposed FY 2008 O&M budget are as follows:

1. **Personnel:** The FY 2007 proposed staff level drops to 14.9 full time equivalents (FTE) following removal of the vacant Lab Technician position. Personnel costs for the past twelve 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>
FY95	\$1,517,300	\$1,468,000	32.5
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
FY00	\$1,074,863	\$ 837,826	20
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	\$1,189,100	\$1,147,000	15.9
FY08	\$1,254,550		14.9

2. **Utilities:** Electric power, natural gas, water, and telecommunications comprise Utilities, the second largest cost area 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. Following deregulation of the electrical industry as of January 1, 2007, the Authority has experienced a surge in pricing for electricity approaching 50%.

FY94	\$780,900
FY95	\$457,181
FY96	\$503,800
FY97	\$500,319
FY98	\$530,624
FY99	\$521,427
FY00	\$578,844
FY01	\$654,662
FY02	\$570,103
FY03	\$582,232
FY04	\$617,574
FY05	\$606,375
FY06	\$588,400
FY07	\$731,100
FY08	\$1,080,000

3. **Contract Services** are separated and budgeted as Operations, Maintenance and Electrical. The FY07 contract services budget was \$333,600 and the FY08 budget is proposed at a cumulative amount of \$293,500. This includes the cost of specialized services that are more effectively and/or efficiently contracted out than completed internally.

4. **Sludge (Biosolids) Disposal-Land Applied** is budgeted in the amount of \$180,000. There are two outputs from a wastewater facility. The first is 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. Livestock feed is grown on the land and the sludge acts as a fertilizer. The Glenbard sludge is particularly amenable to farm field application because the heavy metal content of the sludge is extremely low as the plant only has one significant industrial discharger.

5. **Chemical Costs** are budgeted in the amount of \$87,500. 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.

The budgeted expenses for the capital fund for this year and the past two are as follows:

	Actual	Estimated	Projected
	FY 2006	FY 2007	FY2008
Debt Payment	\$ 260,000	\$ 447,000	\$1,112,000
Project Expenses	<u>\$3,516,000</u>	<u>\$4,812,000</u>	<u>\$5,689,000</u>
Total	\$3,776,000	\$5,529,000	\$6,801,000

Proposed FY 2008 capital expenses of \$6,811,000 are 29.5% (\$1,552,000) higher than the FY 2007 approved budget. The increase reflects a plan to complete both the bar screen and biosolids improvement projects during FY08.

ALLOCATION OF EXPENSES

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

A total of 14 remote meters are located at key points in the Authority's system to enable the Authority to monitor these flows and allocate wastewater flows for billing purposes between the Villages of Glen Ellyn and Lombard.

A two-year average flow split of 48.864 % (Glen Ellyn) and 51.136 % (Lombard) was used to estimate the FY 2008 expense allocation for the Glenbard Plant. A two-year average flow split of 39.769 % (Glen Ellyn) and 60.231 % (Lombard) was used to estimate the FY 2007 expense allocation for the North Regional Interceptor.

Lombard pays 100% of the costs associated with the Lombard Stormwater Facility. Glen Ellyn pays 100% of the costs associated with the South Regional Interceptor, which Glen Ellyn then bills to Illinois-American Water Company. The total allocation estimates are as follows.

	Approved FY 2007	Proposed FY 2008
Village of Lombard	\$2,905,637	\$3,090,612
Village of Glen Ellyn	<u>\$2,397,563</u>	<u>\$2,584,826</u>
Total	\$5,303,200	\$5,675,438

The overall contribution by the two Villages is up by \$372,238 or 7.02%.

CONCLUSION

The total proposed FY 2008 budget and comparisons are as follows:

	Actual FY 2006	Approved FY 2007	Estimated FY 2007	Proposed FY 2008
O&M	\$3,183,250	\$3,376,200	\$3,548,017	\$4,023,250
Capital	\$3,776,000	\$5,259,000	\$3,539,000	\$6,811,000
Total	\$6,959,250	\$8,467,100	\$7,087,017	\$10,834,250

ACKNOWLEDGMENTS

I would like to express my gratitude to both the Executive Oversight Committee and the Authority for their continued support and stewardship in the rebuilding and updating of our aging infrastructure.

Respectfully Submitted,



Curt Barrett
Acting Wastewater Manager
Glenbard Wastewater Authority

Glenbard Wastewater Authority
Budget 2007-2008
All Funds
Expense allocation to partners

APPROVED FY2007 EXPENSES ALLOCATED TO PARTNERS

	LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant	1,589,774	1,499,926	3,089,700
Div. 271 -- Storm Plant	162,000	0	162,000
Div. 272 -- North Reg. Int.	17,849	11,651	29,500
Div. 273 -- South Reg. Int.	0	22,000	22,000
Sinking Fund Capital	1,136,014	863,986	2,000,000
TOTAL	2,905,637	2,397,563	5,303,200

ESTIMATED ACTUAL FY2007 EXPENSES ALLOCATED TO PARTNERS

	LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant	1,677,229	1,610,488	3,287,717
Div. 271 -- Storm Plant	166,700	0	166,700
Div. 272 -- North Reg. Int.	15,200	14,300	29,500
Div. 273 -- South Reg. Int.	0	23,900	23,900
Sinking Fund Capital	1,136,014	863,986	2,000,000
TOTAL	2,995,143	2,512,674	5,507,817
FY2007 BUDGET OVER (UNDER)	89,506	115,111	204,617

PROPOSED FY2008 PARTNERS ALLOCATION

	LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant (page 2)	1,857,535	1,775,003	3,632,538
Div. 271 -- Storm Plant (page 45)	186,000	0	186,000
Div. 272 -- North Reg. Int. (page 49)	20,723	13,527	34,250
Div. 273 -- South Reg. Int. (page 53)	0	26,350	26,350
Sinking Fund Capital (page 58)	1,028,246	771,754	1,800,000
TOTAL	3,092,504	2,586,634	5,679,138

Proposed FY 2008 Partners Allocation Compared to Approved Expenses Allocated to Partners FY 2007:	\$	186,867	189,071	375,938
	%	6.43%	7.89%	7.09%

**Glenbard Wastewater Authority
Budget 2007-2008
Operations & Maintenance**

SUMMARY BY DIVISION

REVENUES	Approved FY2006	Approved FY2007	Estimated FY2007	Proposed FY2008
Div. 270--Glenbard Plant	2,882,400	3,089,700	3,089,700	3,632,538
IRMA Reimbursement (1)	49,000	73,000	73,000	97,812
Use of Available Cash (2)	38,000			
FY 08 Interest O&M Fund (3)	0	0	0	50,000
Div. 271-- Lombard CSO	139,000	162,000	162,000	186,000
Div. 272-- North Regional Int.	25,499	29,500	29,500	34,250
Div. 273-- South Regional Int.	20,200	22,000	22,000	26,350
Total Revenues	3,154,099	3,376,200	3,376,200	4,026,950
EXPENSES				
	Actual FY2006	Approved FY2007	Estimated FY2007	Proposed FY2008
Div.270 --Glenbard Plant	2,740,758	3,162,700	3,287,717	3,780,350
Div.271 -- Lombard CSO	181,100	162,000	166,700	186,000
Div.272-- North Regional Int.	17,034	29,500	29,500	34,250
Div. 273-- South Regional Int.	13,715	22,000	23,900	26,350
Total Expense	2,952,607	3,376,200	3,507,817	4,026,950
INCOME GAIN (LOSS)	201,492	0	(131,617)	0

- (1) Reimbursement of accumulated reserves since termination of membership on 12/31/02.
(2) Use of available cash to offset required revenue in FY 06.
(3) Projected interest on O&M Fund.

**Glenbard Wastewater Authority
Budget 2007 - 2008
Total FY 2008 Budget**

	FY 2007 Approved	FY 2007 Estimated	FY 2008 Proposed
Operations & Maintenance (All Divisions)	\$3,376,200	\$3,548,017	\$4,026,950
Capital Costs (Expenses & Debt Repayment)	\$5,259,000	\$3,539,000	\$6,811,000
TOTAL	\$8,635,200	\$7,087,017	\$10,837,950

Budget 2007-2008					
Operations & Maintenance		REVENUE			
Division 270		Approved	Approved	Estimated	Proposed
Glenbard Plant		Revenues	FY 2007	Revenues	FY 2008
		2006		FY 2007	
Operation/Maintenance					
450010	Glen Ellyn Share (1)	1,393,006	1,499,926	1,499,926	1,775,003
450015	Lombard Share	1,489,394	1,589,774	1,589,774	1,857,535
	IRMA Reimbursement (2)	49,000	73,000	73,000	97,812
	Interest Income - O&M Fund				50,000
	Use of Available Cash (3)	38,000	0	0	0
DIVISION 270		2,969,400	3,162,700	3,162,700	3,780,350

NOTE: The flow splits used to calculate partner payments for FY 2008 are as follows:

Flow split for Glen Ellyn: 48.864%
Flow split for Lombard: 51.136%

(for 2 yrs. average ending 12/31/06, see Appendix page 76)

The flow splits used to calculate the partner payments for FY 2007 are as follows:

Flow split for Glen Ellyn: 48.546%
Flow split for Lombard: 51.454%

(for 2 yrs. average ending 12/31/05)

Operations/Maintenance Fund - Available Cash Analysis

Available Cash May 1, 2006		1,027,363
FY 07 Revenue Supplement		0
FY 07 Inflow/(Outflow) (4)		(116,525)
Available Cash April 30, 2008		910,838
25% Minimum Reserve (5)		(979,238)
Projected Available Cash Below Minimum Reserve		(68,400)
Projected Available May 1, 2008		(\$68,400)

- (1) Includes Citizens Utilities and Dupage County systems.
- (2) Reimbursement of accumulated reserves since termination of membership on 12/31/02.
- (3) Use of available cash to offset partner contribution in FY 06.
- (4) Projected rebates for Fiscal YR April 30th, 2006 due to Lombard \$7,788 due from Glen Ellyn \$22,880 net \$15,092 inflow, projected budget deficit \$131,617 results in net outflow of \$116,525.
- (5) 25% minimum reserve based on \$4,023,650 Total Operating Expenditures Budgeted FY 08 (All Divisions) less one time ERI Liability payment of \$110,000: **\$3,913,650**

Budget 2007-2008		EXPENSES			
Operations and Maintenance					
Division 270					
Glenbard Plant		Approved	Approved	Estimated	Proposed
		FY 2006	FY 2007	FY 2007	FY 2008
Personnel Services					
510100	Salaries - Regular (1)	752,269	899,600	873,400	868,000
510110	Salaries - Part-Time Ops.(2)	37,437	46,000	34,000	46,000
510200	Salaries - Overtime (3)	82,831	100,000	100,000	100,000
510300	Salaries - Temporary/Seasonal	21,152	21,500	20,000	21,500
510400	FICA	71,994	80,000	76,500	68,450
510500	IMRF (4)	30,243	42,000	43,100	150,600
510600	State Unemployment Tax	692	0	0	0
	Total	996,618	1,189,100	1,147,000	1,254,550
Contractual Services and Commodities					
520305	Recognition and Awards	2,014	900	900	800
520600	Dues/Subs./Fees	7,380	8,000	8,000	9,000
520615	Recruiting/Testing	63	1,900	3,000	1,500
520620	Employee Education	26,376	31,000	30,000	16,000
520625	Travel (Mileage)	384	400	400	500
520700	Pro. Serv.-Legal	0	10,000	5,000	5,000
520750	Legal Notices	258	800	800	1,000
520775	Regulatory Fees (5)	109,763	52,500	52,500	55,000
520776	TMDL Commitment (6)	25,730	25,600	25,800	28,400
520806	Pro. Serv.-Lab.	8,537	13,400	28,400	43,500
520816	Pro. Serv.-Eng. (7)	689	22,500	22,500	15,000
520825	Pro. Serv.-Acct.	12,000	12,800	12,800	10,000
520885	Ins-Liab (All) (8)	68,000	70,000	102,000	100,000
520895	Ins-Health (9)	100,100	110,300	110,300	140,500
520970	Maint. - Bldg.& Grds.	7,341	10,600	10,600	11,000
520971	Bldg. & Grounds - Contractual	28,170	49,000	49,400	51,500
520975	Maint. - Equipment (10)	56,545	49,300	49,300	51,800
520976	Maint. - Contractual (11)	66,570	120,300	120,300	126,300
520980	Maint. - Electronics (12)	56,984	71,500	71,500	75,100
520981	Elect. - Contractual (13)	95,810	89,200	99,760	41,300
520990	Operations - Supplies	17,842	29,400	29,400	30,900
520991	Operations - Contractual (14)	70,909	70,900	70,900	74,400
521130	Service Charge	205,300	213,400	213,400	227,000
521150	Sludge Disposal - Land Applied (15)	61,544	90,000	118,457	180,000
521152	Sludge Disposal - Landfill (16)	0	0	0	0
521195	Telecommunications	34,652	37,200	37,200	40,000
521201	Electric Power (17)	345,125	440,000	525,000	840,000
521202	Natural Gas (18)	136,226	112,500	112,500	140,000
521203	Water (19)	77,679	78,000	60,000	60,000
521204	Self-Gen Gas	6,473	5,900	20,000	8,000
530100	Office Expenses	13,658	15,700	20,000	16,000
530106	Operating Supplies - Lab	18,945	21,600	21,600	15,000
530225	Safety	13,593	19,800	19,800	19,800
530440	Chemicals (20)	63,879	83,300	83,300	87,500
530445	Uniforms	5,601	5,900	5,900	4,000
	Total	1,744,140	1,973,600	2,140,717	2,525,800
TOTAL DIVISION 270		2,740,758	3,162,700	3,287,717	3,780,350

**OPERATIONS AND MAINTENANCE- DIVISION 270
BUDGET FOOTNOTES**

- (1) **SALARIES: (\$894,600)** - Provides for a total of 14 full-time staff members and 1 additional part time staff member. Staff's time is split among four activities including the Glenbard Plant, Lombard CSO Plant, South Regional Interceptor and North Regional Interceptor with the allocations for FY 08 as follows:

270-Glenbard Plant	\$868,000
271-Lombard CSO	18,000
272-North Regional Interceptor	4,300
273-South Regional Interceptor	4,300
	<hr/>
Total All Divisions	\$894,600

The full-time equivalent for all staff is approximately 14.9 including part-time operators and seasonal staff, a figure that continues to be below the 16 to 18 range sought when reorganization began 7 years ago. The budget contains an itemized staffing summary on page 74.

- (2) **SALARIES-PART-TIME OPERATORS: (\$46,000)**
 The Glenbard Plant operates 24 hours per day, 7 days per week. The SCADA System monitors the plant while it is not manned. Some 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 about 5 years we have used Part-Time Operators to provide solids processing on weekends and holidays. The use of part-time staff has allowed the full-time staff to work a regular workweek without needing to work swing shifts or during the weekend. This has worked out well and resulted in not only better working arrangements for the full-time staff, but also an expanded pool of operators that 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 2080 hours per year.

- (3) **SALARIES - OVERTIME: (\$100,000)** - Overtime has been budgeted at approximately 11% of regular wages. The amount budgeted for overtime was increased in FY 05 due to the complications that were foreseen during the course of the Biosolids Improvements Project. With continued project work similar needs are forecasted for FY08. A break down of the overtime allocation is shown on page 9.

- (4) **IMRF (\$150,600)**: Budget includes staff contribution and for an anticipated one time ERI Liability payment due in December, 2007 of \$110,000. Also includes staff contribution rate increase from 3.5% to 5.2% for FY 08.
- (5) **REGULATORY FEES (\$55,000)** - The State of Illinois implemented permit fees in June 2003.
- (6) **TMDL COMMITMENT (\$28,400)** - Salt Creek and the East/West Branch of the DuPage River have been subject to a Total Maximum Daily Load (TMDL) analysis by the USEPA. The establishment of a TMDL for this receiving water has the potential to impose more stringent discharge standards on the Authority. Dissolved Oxygen and Chloride are water quality parameters of concern. The IEPA has made an estimate of \$18 million for improvements to facilities discharges; this is for discharges to Salt Creek only. Other costs for both direct discharge and stormwater discharges to the East/West Branch of the DuPage River are not finalized, but indications are they could be significantly higher than \$18 million. Because of these high costs and future needs to meet discharge mandates of the TMDL, a local workgroup is being established in an adaptive management approach to assess the implementation of the TMDL. Increased stream monitoring and a better assessment of the water quality limitations of the water body are the targeted goal of the group. All communities or jurisdictional/operating areas were contacted for funding commitments as stakeholders related to this issue. These funds will be used to match Illinois EPA financial assistance, with local funds providing 40 percent of total project costs to conduct stream sampling and analysis. A breakdown is as follows; VGE- \$2,101, VL- \$3,010 and GWA \$20,500 based on the workgroup budget. GWA will have access to water quality monitoring data that will be helpful to our Permit conditions.
- (7) **PROFESSIONAL SERVICES - ENGINEERING (\$15,000)**
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.

- (8) **INSURANCE LIABILITY (ALL): (\$100,000)** – 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 FY 07 and an excess liability policy. Line item saw an increase of 45.7% after the initial budget approval process for FY 07. Budgeting no increase for FY 08.
- (9) **INSURANCE - HEALTH: (\$145,200)** - Health care is provided through the Village of Glen Ellyn plan. The budget for FY 08 represents an approximate increase of 28.6% from FY07 as a result of a change in administrative staffing. This expense is broken down by four divisions.
- (10) **MAINTENANCE - EQUIPMENT: (\$51,800)** – Budget amounts for this line item were reduced in FY 05 with the creation of a new line item "Maintenance – Contractual" (see below). Projected expenses for FY 08 indicate a slight increase from FY 07. A detailed breakdown by area of projected maintenance equipment expenses is listed on page 26.
- (11) **MAINTENANCE - CONTRACTUAL: (\$126,300)** – This line item reflects work previously budgeted in the Maintenance-Equipment line item. The most significant expenses included in this item in FY 08 are the cryo turnaround and maintenance costs (\$28,600), the engine service agreement on the Co-Gen (\$18,500), and vehicle maintenance costs (\$27,800) provided by the Village of Glen Ellyn's Equipment Services Division. Every five years an in-depth maintenance procedure is done on the cryogenic system and the costs expensed to the Capital budget. A five-year turnaround was completed in FY 05 and proposed cryo maintenance costs continue in the O & M budget in FY 08.
- (12) **MAINTENANCE - ELECTRONICS: (\$75,100)** – This line item provides resources for the continued maintenance, repair, and improvement to the electrical system and electronic controls at the plant. A detailed breakdown by area of projected expenses is listed on page 28.
- (13) **ELECTRONICS - CONTRACTUAL: (\$41,300)** - This line item includes a variety of services provided by various vendors with regard to the electrical and electronic needs at the Glenbard Plant. Decrease due to the cancellation of the current flow meter maintenance agreement at a savings of (\$62,400) and software support services for the SCADA system (\$8,000).

- (14) **OPERATIONS - CONTRACTUAL: (\$74,400)** – The annual contracted expenses incurred by the Operations division were moved from the former "Contract Services" line item to this item in FY 05. Significant costs include residuals disposal (\$23,000), liquid oxygen purchase for the cryo turnaround (\$12,000) and contracted cryo training services (\$20,000).
- (15) **SLUDGE DISPOSAL - LAND: (\$180,000)** – FY08 includes a request to budget \$180,000 dollars for sludge disposal to land. This represents all twelve (12) months of routine Operation of the Biosolids Treatment Systems for the Fiscal Year. No monies will be budgeted as Capital expense as was previously done during the BIP work.
- (16) **SLUDGE DISPOSAL - LANDFILL: (\$0)** – This item has historically been budgeted to cover upset conditions. With the planned Anaerobic Digester Improvement Work not anticipated to be completed in FY08 the potential exists to have to dispose of some material in the landfill. Also as Settlers Hill Landfill recently closed for Municipal Biosolids GWA will likely experience both an increase in transportation cost and disposal costs.
- (17) **ELECTRIC POWER: (\$840,000)** – This budgeted amount represents a substantial increase approximately 100% over the FY07 budget amount of \$440,000. This is due to the deregulation of electric power. The Glenbard Plant has enjoyed a very favorable electric rate for several years due to the success of the Co-Gen project. Glenbard utilized Rider 27 that resulted in a KWH charge of below \$0.04 with limited demand charges. With deregulation GWA entered into an agreement with Exelon for power at a demand weighted average of just under \$.06/KWH. Com Ed will also deliver electricity at costs that are estimated at approximately \$.02/KWH. Deregulation is then effectively doubling GWA's electric costs in FY08.
- (18) **NATURAL GAS: (\$140,000)** - GWA utilizes a broker to purchase gas on the open market. GWA will soon be putting online the larger capacity boiler to be finalized by contract therefore usage is expected to increase in FY08.
- (19) **WATER: (\$60,000)** - Potable water used at GWA is purchased from the Village of Glen Ellyn. FY2008's proposed expenses, as shown, are for water charges only, assessed at "Outside the Village" rate (\$7.38/1000 gal.) for an estimated total consumption amount of approximately 7,859,000 gallons for the year. Water rates increased 4.25% on May 1, 2004. Plant consumption has decreased due to staff efforts to use non-potable water wherever possible.

(20) CHEMICALS: (\$87,500) - Chemicals used in the daily operation of the plant are included in this section at expense levels consistent with our recent history. Different chemicals are used for sludge dewatering, odor control, acid wash, and struvite control. Struvite is a mineral deposit caused by the addition of chemicals to Lake Michigan water by the City of Chicago. Its presence causes sludge dewatering problems that require a special chemical to combat.

Glenbard Wastewater Authority
 FY 2008 Personnel Budget
 Division 270 -- 510100-510500

ITEM	RECOMMENDATIONS	FY 07 BUDGET	FY 08 PROPOSED
510100	Salaries -Regular	917,600	868,000
510110	Part-Time Operations	46,000	46,000
510200	Laboratory Overtime	16,000	16,000
510200	Ops. Reg. Overtime	15,000	15,000
510200	High Flow Overtime	7,000	7,000
510200	Ops. Call-In Overtime	20,000	20,000
510200	Ops. SCADA Monitoring Overtime	14,000	14,000
510200	Maint. Regular Overtime	6,000	6,000
510200	Maint. Call-In Overtime	2,000	2,000
510200	Elec. Reg. Overtime	15,000	15,000
510200	Elec. Call-In Overtime	5,000	5,000
510300	Seasonal Labor	21,500	21,500
	1 Full Time Equivalent		
	Salaries Regular, PT Ops & Seasonal	985,100	935,500
	Salaries Overtime(3)	100,000	100,000
	Salaries Total	\$1,085,100	\$1,035,500
510400	FICA	81,409	68,450
510500	IMRF(1) (2) (4)	42,580	150,600
510600	State Unemployment Tax	0	0
	Personnel Services Total	\$1,209,089	\$1,254,550

(1) - Includes \$110,000 ERI Liability payment due December 2007.

(2) - Increase in IMRF rate to 5.2%.

Budget footnotes 1, 2, 3, and 4 found on pages 4 and 5 further detail the personnel budget.

**Glenbard Wastewater Authority
FY 2008 Recognition/Awards Budget
270 520305**

Item	FY 07 Budget	FY 08 Proposed
Recognition/Awards Recommendation		
Miscellaneous (Manager's Discretion)	1,000	800
Total	\$1,000	\$800

Glenbard Wastewater Authority
 FY 2008 Dues/Fees/Subscriptions Budget
 270 520600

RECOMMENDATIONS

ITEM	FY 07 Budget	Total	FY 08 Proposed	Total
Dues/Fees/Subs.				
Water Environment Federation - Memberships	900		900	
WEF - Publications	250		250	
Assoc. for Facilities Engineering - Renewal (1)	250		250	
Int. Maint. Institute - Memberships (5)	400		400	
IAWA	5,700		6,675	
Lab Meeting Registrations (AELS, Pub Health)	200		200	
Miscellaneous (Manager's Discretion)	300		325	
		\$8,000		\$9,000

Glenbard Wastewater Authority
 FY 2008 Recruit/Test Budget
 270 520615

Item	Recommendation	FY 07 Budget	Total	Proposed FY 08	Total
Recruiting/Testing	Chicago Tribune	500		400	
	Daily Herald	200		200	
	Copley Newspapers	200		200	
	Liberty Publications (Glen Ellyn News)	300		300	
	WEF	500		400	
	OMNI - Employment Physicals	300		0	
			\$2,000		

Glenbard Wastewater Authority
 FY 2008 Employee Training/Education Budget
 270 520620

	FY 07 Budget	FY 08 Proposed
Administration		
Employee Education - Administration		
WEFTEC (San Diego) -- 1 attendee	2,000	0
Engineering seminars	500	500
Operations		
Employee Education - Operations (6 Operators)		
Cryogenic Oxygen Conference -- 0 attendee in FY 07, 1 attendee in FY 08	4,000	0
MRO Maximo CMMS Training -- E. Lanphier	1,000	1,000
WEFTEC Attendance (San Diego) -- Operations Division -- 1 attendee	2,000	1,300
Misc Tech Seminars	800	0
Central States WEA, IAWA State Conferences	2,000	1,000
Maintenance		
Employee Education - Maintenance		
Cryogenic Oxygen Conference -- 1 attendee in FY 06, 1 attendee in FY 07	2,000	1,000
WEFTEC -- 1 attendee	2,000	1,000
Central States State Conference (Madison, WI) -- 1 attendees	300	1,000
Facilities Maintenance Show -- G. Scott & 2 Maint Mech (Chicago)	0	100
Maintenance Based Courses/Seminars	4,800	500
ISA CIMM Certification Seminar --H. Altott/A. Robertson	0	1,000
Employee Education - Electrical		
Cryogenic Oxygen Conference -- 1 attendee in FY 08	0	1,000
Tuition Assistance Agreement - P. Dziejwior	2,600	0
MRO Maximo CMMS Training --R.Freeman	0	0
Facilities Maintenance, ISA Shows -- R. Freeman & P.Dziejwior (Chicago)	100	100
Network Certification Course--P.Dziejwior	0	4,000
ISA Technical Training Seminar--P.Dziejwior	1,500	0
Fire Alarm Systems Course - R. Freeman	0	0
GE Fanuc (SCADA) Users Conference - R.Freeman	2,500	2,500
ISA CCST Certification Seminar--R.Freeman	2,300	0
Employee Education - Laboratory		
Misc Tech Seminars	600	0
Lab		
	\$31,000	\$16,000

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

Glenbard Wastewater Authority
 FY 2008 Mileage Reimbursement Budget
 270 520625

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Travel	Travel for Seminars\Training Lab Meetings (Pub Health, AELS) Manufacturing Trade Shows	500		500	
			<u>\$500</u>		<u>\$500</u>

Glenbard Wastewater Authority
 FY 2008 Pro. Svc. Legal Budget
 270 520700

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Pro. Svc. Legal	Contracted Legal Assistance	10,000		5,000	
Total			\$10,000		\$5,000

Glenbard Wastewater Authority
 FY 2008 Legal Notices
 270 520750

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Legal Notices	Chicago Tribune	400		500	
	Daily Herald	400		500	
			\$800		\$1,000

Glenbard Wastewater Authority
 FY 2008 Regulatory Fees
 270 520775
 Recommendation

Item	FY 07 Budget	Total	FY 08 Proposed	Total
IEPA Regulatory Fees associated with all NPDES permits and sludge disposal permit as legislated by State.	52,500		55,000	
		<u>\$52,500</u>		<u>\$55,000</u>

See budget footnote #5 on page 5.

Glenbard Wastewater Authority
 FY 2008 Prof. Svc. Lab. Budget
 270 520806

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Cont. Testing	First Environmental Laboratories (Process)	10,200		10,300	
	First Environmental Laboratories (Metals)	3,200		3,200	
	NPDES Contract Samples (1)			30,000	
			\$13,400		\$43,500

(1) Cost increase for lab due to staff reduction.

Glenbard Wastewater Authority
 FY 2008 Prof. Svc. Eng. Budget
 270 520816

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Pro. Serv. Engr.	Engineering Fees - Contracted Expenses include electrical design engineering for Arc Flash Hazard Analysis and High Voltage Distribution System PM Development (Proposed in FY 06; projected to be done in FY 07) Funding for anticipated in-house gate installation & unforeseen repair in FY08	22,500	\$22,500	15,000	\$15,000

See budget footnote #7 on page 5.

Glenbard Wastewater Authority
 FY 2008 Prof. Svc. Acct. Budget

270 520825

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Pro. Svc. Acct. Contracted Audit/Acct. Fees		13,000		10,000	
			<u>\$13,000</u>		<u>\$10,000</u>

(1) Reduction in FY08 - FY 07 included additional costs for IEPA loan work.

Glenbard Wastewater Authority
 FY 2008 Ins-Liab (All) Budget
 270 520885

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Ins.-Liability	Fees for Liability Insurance Coverage -- all facilities	102,000		100,000	
			<u>\$102,000</u>		<u>\$100,000</u>

(1) FY07 saw a 30% increase in this line item. No increase for FY08.

Includes annual MICA premium payment and an excess liability policy.

See budget footnote #8 on page 6.

**Glenbard Wastewater Authority
 FY 2008 Health Insurance Fees Budget
 270 520895
 Recommendation**

Item	FY 07 Budget	Total	FY 08 Proposed	Total
Ins. - Health Fees for Employee Health Insurance Coverage	110,300		140,500	
	<u>\$110,300</u>			<u>\$140,500</u>

Total Health Insurance Amount: \$145,200
 97% - Division 270
 2% - Division 271
 .5% - Division 272
 .5% - Division 273

See budget footnote #9 on page 6.

Reduced by \$1,400 to resignation of Wastewater Manager

**Glenbard Wastewater Authority
 FY 2008 - Buildings and Grounds Budget
 Maintenance
 270 520970
 Recommendations**

Designation	FY 07 Budget	Total	FY 08 Proposed	Total
GWA Building/Grounds				
Janitorial Supplies for Village Custodians	1,000		1,000	
Ceiling Repairs (replace tiles Lab/Offices)	450			
Door/Lock/Misc Repairs	1,000		400	
Yard Hydrant Replacements (2)	750			
Bldg./Equipmt. Painting Supplies (Non-Contract)	2,000		4,000	
Misc. Repair parts	2,200		1,500	
Window Repairs	1,500		1,500	
Planting Beds	400		400	
Topsoil	1,500		2,200	
	\$10,800			\$11,000

**Glenbard Wastewater Authority
FY 2008 - Buildings and Grounds - Contractual Budget
Maintenance**

270 520971

DESIGNATION
Glenbard Plant

RECOMMENDATIONS

	FY 07 Budget	Total	FY 08 Prop.	Total
Roofing Systems Survey	4,300		4,300	
Roofing Repairs (from Roofing Survey)	5,500		6,200	
Contractor Door/Lock Repairs	4,000		2,500	
Contracted Hydrant Excavation	1,000		1,000	
Spoil Removal	3,000		3,000	
Fire Extinguisher Service/Repairs	3,000		3,000	
Elevator Service/Repairs	2,000		2,000	
Elevator Inspections - Lombard	100		100	
Landscape Maintenance	18,000		18,000	
Pest Control	600		800	
Tru-Green Chemlawn - Turf/Shrub Disease Control	4,500		4,500	
Contracted Window Repairs	3,000		4,300	
Unanticipated Contracted Building/Grounds Repairs	1,000		1,800	
		\$50,000		\$51,500

**Glenbard Wastewater Authority
FY 2008 Equipment Maintenance Budget
270 520975**

Building	Designation	FY 07 Proposed	FY 08 Proposed
A	Bar Screen	500	500
B	Raw Pump	4,200	4,200
C	Grit Removal	450	450
D	Primary Clarifier	50	50
E	Primary Pump	500	500
F	Unox	3,000	3,000
H	Screw Pump	500	500
I	Final Clarifiers	250	250
J	Pump/Meter	750	750
K	Thickener	0	0
L	Sand Filter	1,800	1,800
N	Warehouse	250	250
O	UV	500	500
P	Press	4,400	4,400
Q	Cryo	6,700	6,700
R	Administration	750	750
S	Maint. Garage	6,000	6,000
T	CRAS	0	0
U	Digester	1,300	1,300
V	Co-Gen	250	250
	Int. Clarifiers	50	50
	Electrical Shop	250	250
	Miscellaneous	17,850	19,350
	TOTAL	\$50,300	\$51,800

See budget footnote #10 on page 6.

Glenbard Wastewater Authority
FY 2008 Equipment Maintenance - Contractual Budget
270 520976

Building	Designation	FY 07 Budget	FY 08 Proposed
B	Raw Pump	1,000	1,000
C	Grit	0	0
F	Unox	12,500	12,500
I	Final Clarifiers	0	0
L	Sandfilters	1,700	1,700
Q	Cryo	28,600	28,600
R	Administration	2,000	2,000
S	Maint. Garage	5,750	5,750
T	CRAS	0	0
U	Electric Shop	300	300
V	Digester	7,650	7,650
	Co-Gen	18,500	18,500
	Vehicle Maintenance	27,800	27,800
	Miscellaneous	14,500	20,500
	TOTAL	\$120,300	\$126,300

See budget footnote #11 on page 6.

Glenbard Wastewater Authority
 FY 2008 Electrical Budget Details
 270 520980

Building	Designation	FY 07 Proposed	FY 08 Proposed
A	Bar Screen	4,000	4,000
B	Raw Pumps	10,350	10,350
C	Grit	2,800	2,800
D	Primary Clarifier	500	500
E	Primary Pump	2,300	2,300
F	Unox Deck	7,300	7,300
G	ATAD	800	800
H	Screw Pump	2,500	2,500
I	Final Clarifier	2,300	2,300
J	Pump /Meter	2,400	2,400
K	Thickener	600	600
L	Sandfilter	4,100	4,100
N	Warehouse	1,300	1,300
O	UV	7,300	8,800
P	Press	3,100	3,100
Q	Cryo	2,800	2,800
R	Administration	3,700	3,700
S	Maint. Garage	1,300	1,300
T	CRAS	2,600	2,600
U	Digester	2,900	4,000
V	Co-Gen	2,000	3,000
	Elec. Supplies	4,550	4,550
		\$71,500	\$75,100

See budget footnote #12 on page 6.

Glenbard Wastewater Authority
FY 2008 Electrical/Electronics - Contractual Budget
270 520981

Recommendations	FY 07 Budget	Total	FY 08 Proposed	Total
Network\Communications Consulting	6,100		6,500	
Intellution iFIX Global Support	8,000		7,000	
Fire\Security Alarm Sytems Monitoring	400		400	
Software Support Agreements(Veritas, Watchguard)	1,000		1,600	
Software Support Agreement MRO (Maximo)	5,000		5,100	
ADS Flow Meter Maintenance\Data Analysis Training	63,000			
Site Lighting Tri-annual Service (Due FY 08)	0		7,000	
HVAC Service	7,500		5,000	
Administration Chiller				
Co-Gen Rooftop A/C Unit				
CRAS Rooftop A/C Unit				
Maintenance Garage H/AC Wall Unit				
Cryogenics Control Room H/AC Wall Unit				
Sandfilter Dehumidifiers/Rooftop Condensers				
UV Dehumidifiers/Rooftop Condensers				
Sandfilter Control Room Condenser				
Co-Gen Switchgear Bi-Annual PM (Due FY 08)	0		5,000	
Co-Gen Protection Relay Bi-Annual Calibration (Due FY 08)	0		3,700	
		\$91,000		\$41,300

See budget footnote #13 on page 6.

Glenbard Wastewater Authority
 FY 2008 Operations - Supplies Budget
 270 520990

Item	Recommendations	FY 07 Budget	Total	FY 08 Proposed	Total
Operating Supplies	Operational Supplies	19,700		20,450	
	Misc. Supplies				
	Home Depot				
	Blue Book				
	McMaster-Carr				
	McCann Equipment				
	Ace Hardware				
	Carbit Paint				
	Hose Replacements	9,700		10,450	
			\$29,400		\$30,900

**Glenbard Wastewater Authority
FY 2008 Operations - Contractual Budget
270 520991**

BUILDING	Designation	Recommendations	FY 07 Budget	Total	FY 08 Proposed	Total
C	Grit	Ford Hall Company - Final Brush Service Contract	4,500		5,000	
		Crown Disposal -- Grit Disposal	23,000		24,600	
		Wetwell Cleaning	7,500		7,500	
R	Admin	Crown Disposal - Recycling	800		800	
Q	Cryo	BOC Gases -- Oxygen Purchase for Turnaround	12,000		12,000	
		Mixing & Mass Transfer - Cryo Training	20,000		20,000	
		Geen -- Cooling Water Conditioning Consultation	4,500		4,500	
		Recycle fees for replaced UV lamps (done every 4-6 years)	0		0	
				\$72,300		\$74,400

See budget footnote #14 on page 7.

Glenbard Wastewater Authority
 FY 2008 Service Charge Budget
 270 521130

Item	Recommendation	FY 07 Proposed	Total	FY 08 Proposed	Total
Service Charge	Village of Glen Ellyn -- Administration fees	213,400		227,000	
			<u>\$213,400</u>		<u>\$227,000</u>

Total Service Charge Amount: \$233,800
 97% - Division 270
 2% - Division 271
 0.5% - Division 272
 0.5% - Division 273

Increased due to additional expense of Interim Manager

Glenbard Wastewater Authority
FY 2008 Sludge Disposal - Land App. Budget
270 521150

Item	FY 07 Budget	Total	FY 08 Proposed	Total
Sludge Disposal Continental Farms -- Trucking fees for Sludge Removal	90,000		180,000	
Total		\$90,000		\$180,000

See Budget Footnote # 15 on Page 7.

**Glenbard Wastewater Authority
 FY 2008 Sludge Disposal - Land Fill Budget
 270 521152**

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Sludge Disposal	Fees for disposal of In-House Pressed			0	
	Waste Activated Sludge				
		0			
		0		\$0	

See Budget Footnote # 16 on page 7.

Glenbard Wastewater Authority
 FY 2008 Telecomm Budget
 270 521195

Item	Recommendations	FY 07 Budget	Total	FY 08 Prop.	Total
Glenbard	Alt - Long Distance	1,700		1,700	
	Att - SCADA 800 Lines	3,200		3,200	
	RG-1	250		280	
	EF-1	250		270	
	Admin - 790-1901	11,400		11,950	
	Main Phone Lines (1901, 1902, 1903, 1904)				
	SCADA Dial-up Lines (0459, 0689, 2097)				
	SCADA Pager/Redundant Pager (0958, 4487)				
	SCADA 800 Service (Operator Home Monitoring)				
	Office Private Lines (1960, 1974, 1975, 1995, 1996)				
	ComEd Rider 27 Alarm (1486)				
	Brokered Nat. Gas Meter Reader (0407)				
	ADS Modem (1482), E-911-DID #s				
	Fax - 858-8119	300		300	
	Internet Service Provider/DSL	1,000		900	
	Nextel Cellular Service	7,400		5,400	
	SCADA Polling Network	12,400		16,000	
			\$37,900		\$40,000

Glenbard Wastewater Authority
 FY 2008 Electrical Power Budget
 270 521201

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Electrical Power	Fees for purchase of Electric Power & ComEd Delivery Services	440,000	\$440,000	840,000	\$840,000

See Budget Footnote # 17 on page 7.

Glenbard Wastewater Authority
 FY 2008 Natural Gas - Brokered - Budget
 270 521202

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Nat. Gas - Brokered	Fees for Direct and Brokered purchase of Natural Gas	112,500		140,000	
			<u>\$112,500</u>		<u>\$140,000</u>

See budget footnote #18 on page 7.

Glenbard Wastewater Authority
 FY 2008 Water Budget
 270 521203
 Recommendation

Item	FY 07 Budget	Total	FY 08 Proposed	Total
Water	78,000		60,000	
Fees for purchase of Potable Water - Village of Glen Ellyn		<u>\$78,000</u>		<u>\$60,000</u>

Glenbard Wastewater Authority
 FY 200 Natural Gas - Non-Brokered - Budget
 270 521204

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Nat. Gas - Non-Brokered	Fees for purchase of Natural Gas (Co-Generation Unit)	5,900		8,000	
			<u>\$5,900</u>		<u>\$8,000</u>

Glenbard Wastewater Authority
 FY 2008 Office Supplies Budget
 270 530100

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Office Supplies	Supplies for Administrative Management functions (i.e. Office Supplies, Federal Express, postage, printer/fax, copier supplies, printing)	14,300		10,300	
	Minolta Bus. Sys. Support (copy machine)	2,200		2,200	
	Savin Fax Support	400		400	
	Office Machine Repair Parts/Services	1,200		1,200	
	Coffee Machine Services/Supplies	1,900		1,900	
Total			\$20,000		\$16,000

**Glenbard Wastewater Authority
 FY 2008 Laboratory Supplies Budget
 270 530106**

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Laboratory Supplies	Laboratory Consumables and Glassware	21,600		15,000	
			<u>\$21,600</u>		<u>\$15,000</u>

Glenbard Wastewater Authority
 FY 2008 Safety Budget
 270 530225

Item	Recommendation	FY 07 Budget	Total	FY 08 Proposed	Total
Admin	Portable Gas Detection Meter Cal Gas	1,000		1,000	
	Portable Gas Detection Meter Repair Parts	1,400		1,400	
	Confined Space Equip. Repairs/Replacement	1,400		1,400	
	Safety Shoes (\$140 max. allowance)	2,600		2,600	
	Prescription Safety Glasses	300		300	
	Defibrillator Battery and Service Check	300		300	
	Respond (First Aid Kit Supplies)	350		350	
	Osha 500 Course (emp @ 700)	0		0	
	Safety Supplies from Vendors	6,450		6,450	
	Safety Program Consultations & Training	3,500		3,500	
	Safety Suggestion Awards (monthly + 2 @250 annually)	1,500		1,500	
	Site Safety and Signage	1,000		1,000	
	Total		\$19,800		\$19,800

**Glenbard Wastewater Authority
 FY 2008 Chemical Supplies Budget
 270 530440**

Item	Recommendation	FY 07 Proposed	Total	FY 08 Proposed	Total
Treatment Costs	Chemicals that are utilized through daily operation. Polymer, odor control, struvite control, ammonia meter chemicals, acid wash, and odor control chemicals	70,000		72,000	
	Odor Management -- Odor Chemicals				
	High PSI - Sludgehammer - Press Bldg. Cleaning				
	Polydyne - Polymer				
	Schaners - Struvite Control				
	Ulrich Chemicals - Potassium Permanganate	15,000		15,500	
			\$85,000		\$87,500

Glenbard Wastewater Authority
 FY 2008 Uniforms Budget
 270 530445

Recommendation

Item	FY 07 Budget	Total	FY 08 Proposed	Total
Uniforms Uniform Replacements	5,900		4,000	
Total		\$5,900		\$4,000

Budget 2007-2008					
Operations & Maintenance					
Division 271		REVENUE			
Stormwater Plant & 22nd St. Interceptor		Acutal	Approved	Estimated	Proposed
		FY 2006	FY 2007	FY 2007	FY 2008
Operation/Maintenance					
4712	Lombard Share	139,000	166,700	166,700	186,000
DIVISION 271		139,000	166,700	166,700	186,000

NOTE: Stormwater plant operates only in high flow conditions.
 Lombard discharges only flow to plant, pays all costs.
 Plant handles stormwater from Lombard's combined sewers.
 Plant is located at Hill Avenue and Interstate 355.

Budget 2007-2008						
Operations & Maintenance						
Division 271						
Lombard Stormwater Plant						
EXPENSES						
		Actual	Actual	Approved	Estimated	Proposed
		FY 2005	FY 2006	FY 2007	FY 2007	FY 2008
Personnel Services						
510100	Salary-Regular	9,425	9,600	11,000	11,000	18,000
510200	Overtime	6,100	7,000	7,000	7,000	7,000
510400	FICA	1,148	1,300	1,400	1,400	1,500
510500	IMRF	383	300	400	400	3,100
	Total	17,056	18,200	19,800	19,800	29,600
Contractual Services						
520806	Pro. Serv.-Lab	0	0	0	0	7,000
520970	Maint.-Bldgs.& Grnds.	5,985	15,300	14,800	14,800	15,600
520975	Maint.-Equipment	5,874	6,000	5,000	5,000	5,300
520980	Maint.-Electronics	3,673	5,000	5,000	5,000	5,300
530105	Operations	3,316	0	6,000	6,000	1,000
521130	Service Charge	4,100	4,100	4,400	4,400	4,600
521195	Telecommunications	1,543	1,800	1,800	1,800	2,000
521125	Leased Equipment	0	0	0	0	0
521201	Electric Power	14,824	16,000	19,200	19,200	24,000
521202	Natural Gas	4,127	4,500	6,000	6,000	6,500
521203	Water	2,891	6,000	6,000	6,000	4,000
520816	Design Engineering	584	0	0	0	0
520895	IFT-InsFnd(Hlth)	2,500	2,100	2,300	2,300	3,100
520775	Regulatory Fees (See #4 on page 5)	0	47,100	22,500	22,500	23,000
	Total	49,417	107,900	93,000	93,000	101,400
Commodities						
530440	Chemicals	40,258	55,000	53,900	53,900	55,000
	Total	40,258	55,000	53,900	53,900	55,000
Total Division 271		106,731	181,100	166,700	166,700	186,000

Glenbard Wastewater Authority
 FY 2008 Budget -- Div 271 -- Lombard

Item	Recommendations	FY 07 Budget	Total	FY 08 Proposed	Total
510100	Regular	11,000		18,000	
510200	Overtime	7,000		7,000	
510400	FICA	1,400		1,500	
510500	IMRF	400		3,100	
			19,800		29,600
520806	Prof. Svc. Lab.(1)	0		7,000	
			0		7,000
520970	Building/Grounds	1,500		2,000	
	Misc. Repairs	0		0	
	Sidewalk Repairs	3,000		3,000	
	Door/Lock/Window Repairs	6,000		6,000	
	Landscape Maintenance	200		400	
	Pest Control	400		400	
	Fire Extinguisher Service/Repairs	1,200		1,200	
	Tru-Green Chemlawn	500		600	
	Roof Inspection	1,000		1,000	
	Roof Repairs	1,000		1,000	
	Sidewalk Repairs		14,800		15,600
520975	Maintenance	2,000		2,000	
	Unanticipated Equipment Repairs	150		200	
	Truck Wheel Stops	750		800	
	Yard Hydrant Replacement	600		700	
	Peristaltic Pump Replacement Hose				
	Unanticipated Equipment Repairs	500		600	
	Tree Trimming to Lagoon	0		0	
	RPZ Inspections	1,000		1,000	
			5,000		5,300
520980	Elect. Maintenance	200		200	
	Control Panel PM/Repairs	2,000		2,000	
	Electrical Distribution PM/Repairs	200		300	
	HVAC Equipment PM/Repairs	800		800	
	Instrumentation PM/Repairs				

	LAN PM/Repairs	0							
	Lighting Equipment PM/Repairs	300						400	
	Motor PM/Repairs	500						500	
	Safety Equipment PM/Repairs	0						0	
	SCADA System PM/Repairs	900						900	
	Telecommunications PM/Repairs	100						200	
							5,000		5,300
530105	Operations - Contract						6,000		1,000
	Refuse Removal / Purchase 20yd Cont. Crown Recycling								
521130	Svc. Charge						4,400		4,600
521195	Telecomm								
	Stormwater Plant Phone	600						750	
	NL-1 & RG-1	240						250	
	CL-1	240						250	
	HA-1	240						250	
	L-22	240						250	
	LNRI	240						250	
							1,800		2,000
521125	Leased Equipment						0		0
521201	Electricity						19,200		24,000
521202	Natural Gas						6,000		6,500
521203	Water						6,000		4,000
520895	IFT-Ins Fund						2,300		3,100
520775	IEPA Regulatory Fees						22,500		23,000
530440	Chemicals						55,000		55,000
	Total Division 271						\$167,800		\$186,000

(1) - Cost increase for lab due to staff reduction.

Budget 2007-2008		REVENUE			
Operations & Maintenance					
Division 272					
North Regional Interceptor		Actual	Approved	Estimated	Proposed
		FY 2006	FY 2007	FY 2007	FY 2008
Operation/Maintenance					
4711	Glen Ellyn Share	9,979	11,651	11,651	13,621
4712	Lombard Share	15,521	17,849	17,849	20,629
	Total	25,500	29,500	29,500	34,250
DIVISION 272		25,500	29,500	29,500	34,250

NOTE: The North Regional Interceptor (NRI) begins at the St. Charles Lift Station, located next to Ackerman Park in Glen Ellyn. An 18 inch 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 inches as trunk sewers 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, which means they carry both sanitary sewage and stormwater runoff. The three combined sewers have "regulators" before they enter the NRI. The purpose of these regulators is to limit the amount of stormwater that is treated at the Glenbard Plant. This is done by diverting any flow above 2.5 times the dry weather flow to the Lombard Stormwater Facility. These regulators were converted to Vortex Regulators as part of the Lombard Plant upgrade in 2002.

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

NRI flow split for Glen Ellyn: 39.769%
 NRI flow split for Lombard: 60.231%

The flow splits used for FY 08 partner allocation are the 2 year average detailed in the appendix on page 77.

Budget 2007-2008						
Operations & Maintenance						
Division 272						
North Regional Interceptor (NRI)						
EXPENSES						
		Actual	Actual	Approved	Estimated	Proposed
		FY 2005	FY 2006	FY 2007	FY 2007	FY 2008
Personnel Services						
510100	Salary-Regular	1,735	2,625	4,300	4,300	4,300
510200	Overtime	497	91	1,200	1,200	1,200
510400	FICA	165	199	300	300	850
510500	IMRF	50	93	100	100	200
	Total	2,447	3,008	5,900	5,900	6,550
Contractual Services						
520970	Maint.-Bldgs. & Grnds.	268	105	800	800	800
520975	Maint.-Equipment	2,479	2,047	1,800	1,800	1,800
520980	Maint.-Electronics	351	696	3,000	3,000	3,000
521130	Service Charge	800	800	1,100	1,100	1,100
521195	Telecommunications	744	727	800	800	800
521125	Leased Equip.	0	0	0	0	0
521201	Electric Power	10,644	9,251	15,500	15,500	19,400
520895	IFT-InsFnd(Hlth)	500	400	600	600	800
	Total	15,786	14,026	23,600	23,600	27,700
Total Div. 272	Total	18,233	17,034	29,500	29,500	34,250

Glenbard Wastewater Authority
 FY 2008 Budget -- Div 272 -- NRI

Item	Recommendations	FY 07 Budget	Total	FY 08 Proposed	Total
510100	Payroll				
	Regular	4,300		4,300	
510200	Overtime (Includes Snow Removal)	1,200		1,200	
510400	FICA	300		850	
510500	IMRF	100		200	
	Personnel		5,900		6,550
520970	Building and Grounds				
	Misc	500		500	
	Building/Grnds - Contract				
	Weed Control	300		300	
	Cont. Svc.				
	Lawn Maint, Pest Cont., misc.	0			
			800		800
520975	St Charles Lift Station				
	Seal Water Filters	300		300	
	Rebuild Checkvalves	300		300	
	Equipment Maint. - Contract				
	Patten - Generator Service	1,200		1,200	
			1,800		1,800
	Maint				
520980	Elec. Maintenance				
	Control Panel PM/Repairs	200		200	
	Electrical Distribution PM/Repairs	800		800	
	HVAC Equipment PM/Repairs	200		200	
	Instrumentation PM/Repairs	600		600	
	LAN PM/Repairs	0		0	
	Lighting Equipment PM/Repairs	100		100	
	Motor PM/Repairs	200		200	
	Safety Equipment PM/Repairs	0		0	
	SCADA System PM/Repairs	800		800	
	Telecommunications PM/Repairs	100		100	
			3,000		3,000
521130	Svc. Charge				
			1,100		1,100

521195	Telecomm	St. Charles Lift Station Phone	300	300
		NRI-1	250	250
		858-9672	250	250
		Telecom	800	800
521125	Leased Equipment		0	0
521201	Electricity		15,500	19,400
520895	IFT-Ins Fund		600	800
		Div 272 Total	\$29,500	\$34,250

Budget 2008-2009					
Operations & Maintenance					
Division 273					
South Regional Interceptor					
REVENUE					
		Actual	Approved	Estimated	Proposed
		FY 2006	FY 2007	FY 2007	FY 2008
Operation/Maintenance					
4711	Glen Ellyn Share	20,200	20,200	23,900	26,350
DIVISION 273		20,200	20,200	23,900	26,350

NOTE: The South Regional Interceptor (SRI) begins at 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 inch force main exits the Valley View Lift Station and runs north along Route 53 for about 1.0 mile, where it becomes a gravity sewer. The SRI then runs about 1.5 miles to the SRI Pump Station which pumps the wastewater to the Glenbard facility. During the 1.5 miles the diameter changes to 18 inches and 30 inches as three additional sewers enter the SRI.

The sewage 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 sewage treatment for Illinois-American, who contracts for this service through Glen Ellyn. The Glen Ellyn portion of the Glenbard bill includes treatment costs for Illinois-American flow.

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

Budget 2007-2008						
Operations & Maintenance						
Division 273						
South Regional Interceptor (SRI)						
EXPENSES						
		Actual	Actual	Proposed	Estimated	Proposed
		FY 2005	FY 2006	FY 2007	FY 2007	FY 2008
Personnel Services						
510100	Salary-Regular	1,735	2,669	2,700	2,700	4,300
510200	Overtime	50	129	1,200	1,200	1,200
510400	FICA	132	205	300	300	850
510500	IMRF	40	94	100	100	200
	Total	1,957	3,097	4,300	4,300	6,550
Contractual Services						
520970	Maint.-Bldgs.&Grnds.	265	23	1,300	1,900	1,300
520975	Maint.-Equipment	1,354	4,632	3,400	3,700	3,500
520980	Maint.-Electronics	1,221	0	2,900	2,900	3,000
521130	Service Charge	800	800	1,100	1,600	1,100
521195	Telecommunications	1,388	1,511	1,800	1,800	1,800
521125	Leased Equipment	0	0	0	0	0
521201	Electric Power	4,476	3,252	6,600	7,000	8,300
520895	IFT-InsFnd(Hlth)	500	400	600	700	800
	Total	10,004	10,618	17,700	19,600	19,800
Total Division 273		11,961	13,715	22,000	23,900	26,350

**Glenbard Wastewater Authority
FY 2008 Budget -- Div 273 -- SRI**

DESIGNATION	Item	Recommendation	FY 07 Proposed	Total	FY 08 Proposed	Total
510100	Payroll	Regular	2,700		4,300	
510200		Overtime (Includes Snow Removal)	1,200		1,200	
510400	FICA		300		850	
510500	IMRF		100		200	
		Personnel		4,300		6,550
520970	Building and Grounds	Misc	600		300	
	Bldg./Grnds - Contracted	Landscape Maintenance	1,300		1,000	
				1,900		1,300
520975	Maint. Equip.	Seal Water Filters	500			
	Valley View Lift Station	Pump Maintenance	2,000		2,000	
	SRI Lift Station	Patten Generator Service	1,200		1,500	
	Equipmt. Maint. - Contract			3,700		3,500
520980	Elec. Maintenance	Control Panel PM/Repairs	400		400	
		Electrical Distribution PM/Repairs	500		500	
		HVAC Equipment PM/Repairs	200		200	
		Instrumentation PM/Repairs	800		800	
		LAN PM/Repairs	100		100	
		Lighting Equipment PM/Repairs	100		100	
		Motor PM/Repairs	200		200	
		Safety Equipment PM/Repairs	0		0	
		SCADA System PM/Repairs	500		500	
		Telecommunications PM/Repairs	100		200	
				2,900		3,000
521130	Svc. Charge			1,600		1,100
521195	Telecom	Valley View Lift Station Phone	225		225	
		DC-1	225		225	
		N-15	225		225	
		N-36	225		225	

225	225	
225	225	
225	225	
225	225	
<hr/>		<hr/>
1,800	1,800	1,800
0	0	0
7,000	8,300	8,300
700	800	800
<hr/>		<hr/>
\$23,900		\$26,350

NGE-1
MK-1
S-3
WGE-1

521125 Leased Equipment
521201 Electricity
520895 IFT-Ins Fund

REVENUE in M\$	FY(2006)	FY(2007)	FY(2007)	FY(2007)	FY(2008)	FY(2009)	FY(2010)	FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)
	Actual	Approved	Estimated	Proposed	Planned	Planned								
Proceeds from Borrowing (A)	672	0	0	7000	3000	0	0	0	0	0	0	0	0	0
Interest Income	245	238	170	155	265	127	125	125	120	143	84	56	56	34
Glen Elym Conn Fees	81	40	40	40	40	40	40	40	40	40	40	40	40	40
Lombard Conn Fees	160	195	251	180	50	50	50	50	50	50	50	50	50	50
Miscellaneous Revenue (B)	38	10	50	10	10	10	10	10	10	10	10	10	10	10
O&M Sinking Fund (C)	2078	2000	2000	1800	2050	2300	2550	2550	2800	3050	3300	3550	3800	4050
CoGen Payback														
TOTAL REVENUE	3274	2473	2511	9185	5415	2527	2775	3020	3293	3484	3706	3956	4184	
EXPENSES in M\$	FY(2006)	FY(2007)	FY(2007)	FY(2008)	FY(2009)	FY(2010)	FY(2011)	FY(2012)	FY(2013)	FY(2014)	FY(2015)	FY(2016)	FY(2017)	
Debt Payment Principal (D)	187	354	352	688	852	886	921	958	996	1036	1041	859	709	
Debt Payment Interest (E)	37	93	95	434	558	524	515	453	414	375	333	291	255	
Projects:														
Bar Screen Project (1)	60	900	875											
Biosolids Improvement Project (BIP) (2)	292	2500	1450	3900	2850									
A. Landfill/Hauling Fees for Bio Project (3)	195	150	40											
B. Complete Existing Work (4)	175	500	500	100	200									
C. Legal Fees (5)	32	25	11											
D. SCADA Programming (6)	0	40	0		40									
Clarifier Drive Purchase (7)	0	35	84	50										
Computerized Maint Mgmt (8)	3	25	30											
CRAS Waste Pump System (9)		40	0											
Cryo Rehabilitation & 5 Yr Maintenance						480	130						150	
Elect. Distribution Maint (11)						100	125	125	125	125	125	125	125	
Elect. Distribution Upgrade/UVA Sandfilter Bldg (12)	18		225	75	100									
Facilities Plan Update (13)	81		34					500		2500	2000	1000		
A. Raw Pumps/Wet Weather (14)														
B. Odor Control (15)														
C. Phosphorus Removal (16)														
Grit Removal Process Improvements (17)	1314		74											
Infrastructure Upgrades (18)	125	185	185	167	150	150	150	150	150	150	150	200	200	
Lab Fire Suppression System Replacement (19)		50	50	50	44									
Lift Station Conveyance Systems (20)	14	100	100	250	2970	50	700							
Lombard Upgrades (21)				775	400									
Plant Equipment Rehabilitation (22)	270	156	116	250	150	150	150	150	150	200	200	300	300	
Rolling Stock (23)	60	30	30		44	33	49	49	49	60	93	93	75	
Roof Replacements (24)						91	37	37	37	35	15	15	25	
Sludge Pad Upgrade (25)	69												1470	
Small Capital Projects (26)	56	106	106	72	100	100	100	100	100	100	100	100	100	
Project Total	2764	4812	3865	5689	7004	1154	1441	1111	3170	2683	2333	3275	5320	
TOTAL EXPENSES	2988	5259	4312	6811	8414	2564	2877	2522	4580	4094	3707	4425	6284	
Cash on Hand 5/1	5323	5181	5181	3380	5754	2755	2718	2616	3114	1828	1218	1217	748	
Gain/Loss FY	286	(2786)	(1801)	2374	(2999)	(37)	(102)	498	(1287)	(610)	(1)	(469)	(2100)	
Cash on Hand 4/30	5181	2395	3380	5754	2755	2718	2616	3114	1828	1218	1217	748	(1352)	

(A) \$672,000 of Revenue from IEPA Loan for BIP.
(B) Revenues reflect proceeds from the sale of rolling stock.
(C) 7% Increase to Sinking Fund as Recommended in the Johnson study as approved in the FY06 Budget.
(D) Principal portion of 10 year loan paybacks for Lombard CSO; Biosolids Improvements Project.
(E) Interest portion of 10 year loan paybacks for Lombard CSO; Biosolids Improvements Project.

Sinking Fund						
Division 270 Glenbard Plant		Actual FY 06 Bdgt	Proposed FY07 Bdgt	Estimated FY07 Bdgt	Proposed FY08 Bdgt	
5966	Glenbard Plant Sinking Fund	1,758,055	1,692,000	1,692,000	1,492,000	
	Total	\$1,758,055	\$1,692,000	\$1,692,000	\$1,492,000	
	Glen Ellyn Flow Split	849,633	821,398	821,398	729,051	
	Lombard Flow Split	908,422	870,602	870,602	762,949	
	Total Flow Split	1,758,055	\$1,692,000	\$1,692,000	\$1,492,000	
Division 271 Lombard Plant						
5966	Lombard Plant Eq.Rpl. Fund	248,865	240,000	\$240,000	\$240,000	
	Total	\$248,865	\$240,000	\$240,000	\$240,000	
Division 272 North Regional Interceptor (NRI)						
5966	NRI-Eq. Rpl. Fund	44,420	42,000	42,000	42,000	
	Total	\$44,420	\$42,000	\$42,000	\$42,000	
	Glen Ellyn Flow Split	17,383	16,588	16,588	16,703	
	Lombard Flow Split	27,037	25,412	25,412	25,297	
	Total Flow Split	\$44,420	\$42,000	\$42,000	\$42,000	
Division 273 South Regional Interceptor (SRI)						
5966	SRI-Eq. Rpl. Fund	\$26,487	\$26,000	26,000	26,000	
	Total	\$26,487	\$26,000	\$26,000	\$26,000	
Total all Sinking Funds Revenue		\$2,077,827	\$2,000,000	\$2,000,000	\$1,800,000	
Total Glen Ellyn Sinking Funds Contribution to Reserve:					\$771,754	
Total Lombard Sinking Funds Contribution to Reserve:					\$1,028,246	

**Glenbard Wastewater Authority
Budget 2007-2008
Sinking Fund Contributions per Fred Johnson Study 1985**

Fiscal Year	Glenbard Plant 84.6'	Lombard Plant 12%	NRI 2.1%	SRI 1.3%	Actual Contributions	Proposed Funding
FY(1986)	\$283,965	\$30,994	\$11,760	\$4,410	\$33,129	\$
FY(1987)	486,100	68,800	12,300	7,300	574,500	
FY(1988)	520,200	73,700	13,100	7,800	614,800	
FY(1989)	556,600	78,800	14,000	8,400	657,800	
FY(1990)	595,500	84,300	15,000	8,900	703,700	
FY(1991)	637,200	90,200	16,100	9,600	753,100	
FY(1992)	681,804	96,514	17,227	10,272	630,100	
FY(1993)	729,530	103,270	18,433	10,991	662,092	
FY(1994)	780,597	110,499	19,723	11,760	695,000	
FY(1995)	835,239	118,234	21,104	12,564	730,000	
FY(1996)	893,706	126,510	22,581	13,464	766,500	
FY(1997)	956,265	135,366	24,162	14,407	805,000	
FY(1998)	1,023,204	144,841	25,853	15,416	845,000	
FY(1999)	1,094,828	154,980	27,663	16,495	887,000	
FY(2000)	1,171,466	165,829	29,599	17,649	1,056,000	
FY(2001)	1,253,469	177,437	31,671	18,885	1,344,016	
FY(2002)	1,341,212	189,858	33,888	20,207	1,545,097	
FY(2003)	1,435,096	203,148	36,260	21,621	1,760,254	
FY(2004)	1,535,265	217,768	38,799	23,592	1,814,734	
FY(2005)	1,643,042	232,584	41,514	24,754	1,941,894	
FY(2006)	1,758,055	248,865	44,420	26,487	2,077,827	
FY(2007)	1,881,119	266,285	47,530	28,341		2,223,275
FY(2008)	2,012,797	284,925	50,857	30,325		2,378,904
FY(2009)	2,153,693	304,870	54,417	32,447		2,545,266
FY(2010)	2,304,451	326,211	58,226	34,719		2,723,434
FY(2011)	2,465,763	349,046	62,302	37,149		2,914,075
FY(2012)	2,638,366	373,479	66,663	39,749		3,118,060
FY(2013)	2,823,052	399,622	71,329	42,532		3,336,324
FY(2014)	3,020,666	427,596	76,323	45,509		3,569,867
FY(2015)	3,232,112	457,527	81,665	48,695		3,819,758

NOTE:

As a condition of Grant funding, the United States Environmental Protection Agency required that an equipment replacement fund be established. The purpose of the replacement fund is to be sure adequate funds are in place to replace equipment and make improvements as they are needed.

The 1985 Fred P. Johnson and Associates study recommended that a seven percent (7%) Sinking Fund be set up for equipment replacement. That meant that the fund would grow by seven percent (7%) each year. The Johnson study projected the Sinking Fund through FY 1991.

In FY1992, after analyzing likely FY1992 - FY1997 equipment replacement needs, Glenbard Staff and the Executive Oversight Committee concluded that a five percent (5%) sinking fund will be adequate. The Sinking Fund is shown as growing by five percent (5%) from FY1992 - FY1999.

A Facility Plan developed in FY(1998) caused the Glenbard Staff and the Executive Oversight Committee to commit to increasing the Sinking Fund to the Fred Johnson calculated values by FY (2004). The Sinking Fund will also grow by 7% as suggested by Fred Johnson's 1985 Study starting in FY (2002). The Sinking Fund was re-evaluated to reflect current upgrades and modifications in conjunction with the facilities plan update done by Strand Associates in FY 2007.

Budget FY 2008		
Lombard CSO Upgrade Project		FINAL
IEPA Loan - Payback Schedule		
Loan Amount:	\$630,360	
Interest Rate: 2.6750%		
Total Value of Loan (Principal + Interest):	\$736,095	

<u>Fiscal Year</u>	<u>Expense</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan Payment</u>	<u>Remaining 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
Totals		\$93,968	\$642,127	\$736,095	

The Executive Oversight Committee awarded a \$642,600 contract to J. J. Henderson & Sons in September of 2001 for the rehabilitation of the Lombard CSO Plant. The new chlorine discharge limits, enacted by the IEPA in the early 90s and lowered to 0.75 mg/L in 2001 for the Lombard plant, meant the plant would need dechlorination equipment installed and revisions made to the chlorination system. The revisions would allow 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.

Budget FY 2008	
Biosolids Improvement Project	FINAL
IEPA Loan - Payback Schedule	
Current Amount Borrowed:	\$3,275,380
Interest Rate:	2.57%
Total Value of Loan (Principal + Interest):	\$3,735,159

<u>Fiscal Year</u>	<u>Expense</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan Payment</u>	<u>Remaining Balance</u>
FY 2006	\$3,735,159	\$42,089	\$144,669	\$186,758	\$3,548,402
FY 2007		\$78,576	\$294,940	\$373,516	\$3,174,886
FY 2008		\$70,948	\$302,568	\$373,516	\$2,801,370
FY 2009		\$63,122	\$310,394	\$373,516	\$2,427,854
FY 2010		\$55,093	\$318,423	\$373,516	\$2,054,338
FY 2011		\$46,857	\$326,659	\$373,516	\$1,680,822
FY 2012		\$38,408	\$335,108	\$373,516	\$1,307,306
FY 2013		\$29,741	\$343,775	\$373,516	\$933,790
FY 2014		\$20,849	\$352,667	\$373,516	\$560,274
FY 2015		\$11,727	\$361,789	\$373,516	\$186,758
FY 2016		\$2,369	\$184,389	\$186,758	\$0
Totals		\$459,779	\$3,275,380	\$3,735,159	\$0

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. The \$3,275,380 loan amount includes \$53,112 in accumulated interest.

Budget FY 2008
Anaerobic Digester
PROJECTED
IEPA Loan - Payback Schedule
Current Amount Borrowed: \$7,000,000
Interest Rate: 2.57%
Total Value of Loan (Principal + Interest): \$10,115,940

<u>Fiscal Year</u>	<u>Expense</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan Payment</u>	<u>Remaining Balance</u>
FY 2008	\$10,115,940	\$350,000	\$324,396	\$674,396	\$9,441,544
FY 2009		\$338,780	\$340,616	\$679,396	\$8,762,148
FY 2010		\$316,749	\$357,647	\$674,396	\$8,087,752
FY 2011		\$298,867	\$375,529	\$674,396	\$7,413,356
FY 2012		\$280,091	\$394,305	\$674,396	\$6,738,960
FY 2013		\$260,375	\$414,021	\$674,396	\$6,064,564
FY 2014		\$239,674	\$434,722	\$674,396	\$5,390,168
FY 2015		\$217,938	\$456,458	\$674,396	\$4,715,772
FY 2016		\$195,115	\$479,281	\$674,396	\$4,041,376
FY 2017		\$171,151	\$503,245	\$674,396	\$3,366,980
FY 2018		\$145,989	\$528,407	\$674,396	\$2,692,584
Totals		\$2,814,731	\$4,608,625	\$7,423,356	\$0

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.

Budget FY 2008
St. Charles Road Pump Station
PROJECTED
IEPA Loan - Payback Schedule
Current Amount Borrowed: \$3,000,000
Interest Rate: 2.57%
Total Value of Loan (Principal + Interest): \$4,335,403

<u>Fiscal Year</u>	<u>Expense</u>	<u>Interest</u>	<u>Principal</u>	<u>Total Loan Payment</u>	<u>Remaining Balance</u>
FY 2009	\$4,335,403	\$150,000	\$139,027	\$289,027	\$4,046,376
FY 2010		\$143,049	\$145,978	\$289,027	\$3,757,349
FY 2011		\$135,750	\$153,277	\$289,027	\$3,468,322
FY 2012		\$128,086	\$160,941	\$289,027	\$3,179,295
FY 2013		\$120,039	\$168,988	\$289,027	\$2,890,268
FY 2014		\$111,589	\$177,437	\$289,026	\$2,601,242
FY 2015		\$102,718	\$186,309	\$289,027	\$2,312,215
FY 2016		\$93,402	\$195,625	\$289,027	\$2,023,188
FY 2017		\$83,621	\$205,406	\$289,027	\$1,734,161
FY 2018		\$73,351	\$215,676	\$289,027	\$1,445,134
FY 2019		\$62,567	\$226,460	\$289,027	\$1,156,107
Totals		\$1,204,172	\$1,975,124	\$3,179,296	\$0

The FY 08 budget includes funding for engineering services to design physical improvements to the St. Charles Rd. pump station. This projected payback schedule is forecast funding impact.

Capital Project Description List

(1) Bar Screen Improvement

The first device used to mechanically separate the debris from the liquid entering the plant is the bar screen. This is critical equipment as removal of the debris in turn protects all downstream equipment. The bar screen collects rags, sticks, plastics and other matter larger than 3/8" from liquid. The debris is mechanically removed, placed in a dumpster and disposed of at the landfill. The GWA bar screen was improved in 1999 through the replacement of the screen from a 3/4" gap to the current 3/8" gap. The existing bar screen is experiencing substantial wear on some of the bearing surfaces of the equipment. In addition low flow results in settling and blocking the screen as the present technology used is a catenary type chain and rake. An in-house study was done during FY06 that identified two potential technologies that could be implemented to make system improvements. Staff has finalized a contract and awarded it to Martin Petersen Inc. in the amount of \$746,000 the work will proceed toward the end of FY07 and be completed in FY08. The budgeted amount includes contingency amounts and Engineering services.

(2) Biosolids Improvements Project (BIP) (FY 08 - \$3,900,000)

Wastewater treatment fundamentally produces material called Biosolids. It is a result of microorganisms that treat the waste in process. The plant was originally designed with a thermophilic (high temperature) aerobic digestion process to help stabilize the Biosolids produced. This high temperature process was quickly abandoned in the late 1980's due to the obnoxious odors created in the neighborhood by heating wastewater Biosolids under aerobic conditions; this experience was similar to other applications at many plants across the country. Since that time, the plant has had difficulties wasting the required amount of sludge on a regular basis resulting in high solids inventories and solids washouts that result in discharge excursions of the NPDES permit. Studies conducted since 1990 have recommended expansion of the anaerobic digestion process through added tank capacity. Engineering services were provided in FY07 that have completed the design and contract development for this expansion. The FY08 Planned expenses envision award of a contract to increase digester capacity and start work to complete all systems associated with the BIP work and provide Engineering oversight. Work at this time is anticipated to go through FY09.

(3) BIP - Landfill/Hauling Fees

During the course of the Biosolids Improvements Project, all digesters were taken out of service for a short period to clean and inspect. As a result Biosolids can not be treated to the level for the beneficial re-use, that being land application as soil enhancement for farming. Capital monies were therefore expended to cover the increased costs of disposal.

(4) BIP – Complete Existing Work NTP-1 (FY08-\$100,000)

In FY07 a contract was awarded to Bowen Engineering of Fishers, IN to complete BIP work for NTP-1. This FY08 expense is to cover the finalization of this work as it proceeds through FY08.

(5) BIP – BIP Legal Fees

This item covered Legal Fees associated with the BIP project.

(6) BIP - SCADA Programming

This line item captures the anticipated costs of SCADA enhancements related to the Biosolids Improvement Project, which were budgeted in FY 05, but due to project delays are now deferred until FY 09.

(7) Clarifier Drive Purchase (FY08 - \$50,000)

Staff has systematically replaced Clarifier Drives on seven (7) of eight (8) existing units. The final unit is the North Intermediate Clarifier. Staff plans to purchase the drive and contract for installation in FY08.

(8) Computerized Maintenance Management System

Computerized Maintenance Management Systems (CMMS) consist of software and associated hardware designed for capital and maintenance intensive entities like the Authority. CMMS provides for the ability to do a more thorough job of scheduling and controlling plant and equipment maintenance and analyzing plant asset requirements.

Staff has initiated the use of the system and continues to make refinement in how it is administered.

(9) CRAS Waste Pump System

This project envisioned increasing the capacity of the CRAS Wasting System. Ongoing operation has led to operating at 100% of the existing capacity for the last 2 years. This has proven successful and the project is being deferred indefinitely, at this time.

(10) Cryo 5-YR Rehabilitation

The Authority's cryogenic system process generates pure oxygen that is used in the activated sludge process of plant operations. This system runs from a specialized mechanical system that

has specialized operations and maintenance requirements. The cost of the annual maintenance is included in the Operations and Maintenance budget. Facility planning work completed in FY 07 has resulted in recommending system alterations. Currently in-house planning to assess this is under way. \$480,000 is planned need in FY 10 at this time to make improvements to maintain system optimization and control future expense of O&M. On a five year schedule, additional maintenance on the equipment is required that is substantially more expensive than the normal yearly costs. The last 5-year rehabilitation occurred in FY02. The next 5-year rehabilitation would normally occur in FY07. Due to the need for emergency repair cost incurred in FY04 caused by a small defective gasket, we moved up the 5-year work to FY05 to reduce the chances of additional emergency unplanned work during future Cryo annual maintenance work. This work was successfully completed. The normal 5-year schedule began starting in FY05 with the next 5-year work scheduled for FY11.

(11) Electrical Distribution Maintenance (FY08- 75,000)

Work scheduled for FY08 includes maintenance of site lighting. In FY07 GWA experienced damaged 480V conduits, high voltage switchgear, light poles and underground wiring. Commonwealth Edison supplies the main feed to one location in the plant. The major distribution system serving all of the buildings at GWA are owned and maintained by GWA. The electrical distribution system is aging as well as negatively impacted by ground heaving and water infiltration.

(12) Electrical Distribution Upgrade-UV and Sandfilter Buildings

This line item captured the cost of new electrical lines into the UV and Sand Filter Buildings in addition to other miscellaneous distribution upgrades. This work was included in the FY 04 budget, but only the design work was completed. Funding to complete the project was budgeted in FY 05.

(13) Facilities Plan Update

The Facility exists in a highly regulated environment where future more stringent standards are almost always being considered. As example the IEPA has proposed possible new standards related to the Total Maximum Daily Limits (TMDL) for the East Branch, DuPage River. These new limits may affect operations at the Glenbard Plant and require new treatment processes or modifications of existing processes. The facility continues to be challenged with high flows due to limited practical plant flow capacity below the Design Maximum Flow (DMF) of 45 MGD. Strand Associates was contracted with in FY06 and this cost is the contract cost projected to be spent on this task to be completed in FY07. The plan has examined alternatives and options that the Authority may consider to meet new standards and update existing processes to reflect new technology, maximize plant throughput and maintain long-term reliability, performance and cost efficient operation. The major result of the plan has been to recommend sustaining the high purity oxygen activated sludge (HPOAS) process rather than changing to air activated sludge

(14) Raw Pumps/Wet Weather

During February of 2000, the EOC authorized the firm of Walter E. Deuchler Associates Inc. to conduct a study of the physical conditions of the North Regional Interceptor (NRI) and its capacity to convey flow to our wastewater treatment plant. The report concluded that significant volumes of extraneous wet weather flow (up to 23 times normal base flow) enter the NRI from the tributary sub-basins and that the GWA conveyance system is currently not capable of conveying the peak wet weather flow generated during a one year storm event. Several recommendations formulated to mitigate the impacts of wet weather flow are documented in the report. With the ongoing Facility Plan Strand Associates is furthering the possible alternatives to mitigate this peak flow that stresses the plant. At this time monies are projected to be possibly necessary in the out years of the plan.

(15) Odor Control

Odorous areas of the plant would be evaluated along with alternatives to reduce odor generation. This projected need will be further assessed after final improvements are implemented in the Biosolids Project.

(16) Phosphorus Removal

Phosphorus is a component of wastewater that can act as a nutrient in the river. The nutrient can enhance the ability of the water to grow algae which in turn causes low dissolved oxygen. For this reason future regulatory requirements are being discussed for limiting the discharge concentration of phosphorus. Wastewater plants have two (2) alternatives to remove phosphorus, either chemically or biologically. Chemical removal utilizes the addition of a metal salt such as Ferric Chloride or Alum. Biological removal utilizes an anaerobic zone in the activated sludge process that would need to be engineered and constructed. This projected item plans for a future possible requirement to meet the phosphorus removal requirement.

(17) Grit Removal Process Improvement

Engineering Services were provided by Strand Associates at a cost of \$82,000 budgeted in FY05 to provide a design and contract for recommended improvements. Detailed Plans and Specifications were developed; a contract was advertised and let. The new technology is designed to primarily reduce maintenance costs and minimize odors. This cost represents Contract work being accomplished at \$1,268,000 plus a 10% contingency and \$125,000 for Engineering Services during construction.

(18) Infrastructure Upgrades (FY08-\$167,000)

Although the main portion of the plant is approximately 20 years old, certain portions of the old structure are much older, up to 60 years old. Older infrastructure requiring replacement or rehab is funded through this line item, which generally captures the cost of upgrades from \$25,000-\$100,000. When required, funds from planned projects in this line item can be reallocated to emergency work. A detailed list of the recommendations planned for FY08 can be seen on page 71.

(19) Laboratory Fire Suppression System Replacement (FY08-\$50,000)

The existing fire suppression system serving our laboratory is a halon gas system that is no longer being specified or certified for fire suppression purposes. Work will include specification of system and installation work. This work is being re-budgeted as staff time and priorities have resulted in the deferment of the work for many years. In FY07 a study was conducted evaluating the existing system and conceptualizing a design for replacement.

(20) Lift Station/Conveyance System (FY08-\$250,000)

As discussed in project note # 13 above, an engineering study conducted by Walter E. Deuchler Associates, Inc. concluded that the GWA conveyance system was not capable of conveying the peak wet weather flow generated during a one year storm event. The study of the North Regional Interceptor (NRI) and the South Regional Interceptor (SRI) included recommendations for manhole rehabilitation work, St. Charles Road and Valley View lift station replacement, a flow equalization basin and additional study of the contributory trunk sewers. NRI manhole rehabilitation work was completed during FY03, the SRI was relined during FY05 and SRI Manholes were rehabilitated in FY06 and 07. All these completed projects have been beneficial to the situation; however the plant still receives increased flows during rain and snow melt. A main area of focus is the St. Charles Rd Pump Station serving northern Glen Ellyn that is required to pump approximately 1 MGD on a dry weather day and will increase to a max capacity of approximately 15 MGD on a wet weather day. In addition the pump station is aging and has been observed as structurally shifted with aging mechanical components. GWA has received the Engineering evaluation to re-build the pump station which these projected costs are in place to accomplish. Engineering design at an estimated cost of \$250,000 is expected to be accomplished during FY08. WE Deuchler has provided a \$2 million cost estimate included for the FY09 construction, however we have asked Strand Associates to prepare engineering and prepare for the bidding process. At this time staff is hoping actual engineering will result in a reduced cost of re-construction. In addition, the Valley View lift station replacement is also planned, as it is of similar age and condition. Due to capital monies being required to complete the BIP work the full rehabilitation of the lift stations has been delayed which results in the increased risk of catastrophic failure. In order to provide Staff with emergency pumping capacity for dry weather flows the purchase of a portable pump was accomplished in FY07 at a cost of \$35,000 and monies were budgeted for the accomplishment of a mechanical pipe modification to

allow a force main tie in at an estimated cost of \$50,000. The portable pump will also serve to back-up the valley view lift station and can be used for plant maintenance purposes.

(21) Lombard Upgrades (FY08-\$775,000)

Staff is recognizing the following issues at the Lombard Plant, Regulatory, Structural, Mechanical and Electrical. Staff prepared an RFQ/RFP for Engineering to address these general issues. The regulatory concern stems from the previous upgrade project that did not take into account a discovered storm connection from Lombard under route 355 directly into the South Lagoon. The O&M Manual was revised however the NPDES Permit was not successfully modified nor does Staff believe that it is in GWA's interest to operate under the revised conditions of the O&M manual. The change effectively relocated the 002 outfall from a discharge to the river to a discharge to the Lagoons. Structural issues include the final clarifiers aging weir structure. Mechanical issues include the reconstruction of the routine draining of the lagoons after a storm to prevent backwatering of the connected portion of Lombard's storm system and manual pumping. Electrical issues focus on site lighting. The FY08 budgetary cost of \$775,000 breaks down as \$100,000 for engineering, \$450,000 for weirs, \$150,000 for mechanical and \$50,000 for site lighting. The FY09 budget includes a potential second phase of work to, at a minimum, address road conditions and other identified work as a result of evaluation in FY08.

(22) Plant Equipment Rehabilitation (FY08-\$250,000)

The main portion of the Glenbard Plant is 20 years old and various major pumping and treatment systems need major overhauling. Included in the Capital Budget are funds to pay for any major rehab work required. This item provides funds that will be used to restore the equipment or provide upgrades found in new equipment. The equipment should be able to operate without major rehabilitation for at least another ten years once restored. Significant items that need to be addressed during FY 2007 are shown on pages 72.

(23) Rolling Stock

The Authority purchased new utility vehicles for both the Electrical and Maintenance divisions in FY 05. The vehicles replaced 1991 and 1994 models. The FY 06 purchases included one (1) dump trailer and one (1) pickup truck replacing a 1983 semi-trailer and a 1992 pickup. No purchases are scheduled for FY07.

(24) Roof Replacements

The figures reflect the anticipated cost of replacing roofs on various Authority buildings beginning in FY09.

(25) Sludge Pad Upgrade

This line item captures the cost of required repairs to our sludge storage pad system; the fourth and last pad was budgeted at \$48,000 in FY 05 and completed in FY 06.

(26) Small Capital Projects (FY07-\$72,000)

This line item captures the cost of small capital projects and is used to describe projects that are generally under \$25,000. Detail is shown on pages 73.

Glenbard Wastewater Authority
FY 2008 Infrastructure Improvement
40 580140

Designation	Recommendations	FY 07 Estimated	FY 08 Proposed
Electronics	HVAC Systems Replacement	6,000	5,000
	Conduit Repair @CSO Barscreen	2,000	
	Duct-Bank Rejuvenation\Replacement Infrastructure	25,000	25,000
	Energy Management System		20,000
	Magnetic Flow Meter Replacement		40,000
	Stocked spare Co-Gen Tie Breaker		15,000
	Main Entrance Gate Ground Loop Replacement		10,000
Administration	Office Furniture/Equipment Replacements		2,000
Maintenance	Natural Gas Leak Detection/Repairs	10,000	10,000
	Pipeline Video Evaluation (Future Blending Project)	4,000	4,000
	Plantwide Landscaping Rehabilitation		
	New Tree planting/mulching	750	1250
	Replacement of diseased trees/shrubs	750	1250
	Pine Replacements at Grit	4,500	0
	Plant Door/Frame Replacements	5,000	3,000
	Sidewalk Repairs/Jacking	3,000	0
	Cryo Overhead Crane Activation	7,000	0
	Road Repairs		
	Glenbard Road Resurfacing	25,000	
	Lombard Road Resurfacing	12,000	
	Dock Plate at Sludge Pad	12,000	12,000
	Fire Extinguisher Replacements/Standardization	10,000	10,000
	Sandfilter Basement Drain/Sump Rework	10,000	8,000
Grand Total		\$137,000	\$166,500

Glenbard Wastewater Authority
FY 2008 Plant Equipment Rehabilitation
40 580150

Designation	Recommendations	FY 07 Estimated	FY 08 Proposed
UV	UV Lamps and O-rings		25,000
Sandfilter	Spent Backwash Pump Rehab		27,000
	Backwash Pump Rehab		65,000
Press	Press Conveyor Replacements		
Screw Pump	Screw Pump Bearing Rehabilitations (First of 3 year plan thru FY10)	30,000	
	Gate Replacement (SS)	21,000	
	No. 1 Upper Bearing Eval/Replacemt		21,000
	No. 1 Gearbox Reconditioning	35,000	29,000
	Remove covers, Inspect, Blast/Paint, Vent Covers (FY11)		
	Additional Turnaround Costs Beyond Contracted Services (FY08)		
Cyro	Replace Jamesbury Valves and Operators	15,000	18,000
	Repair Turbine Duct Leak	0	13,000
	Remove Turbine Cartridge Rehabilitation	0	12,000
Unox	Oxy Inlet/Vent Valve Replacement	0	0
Raw Pump	Pump Valve Rehabilitation (First of 3 yr plan--40/20/20 thru FY10)	20,000	0
	Inlet/Discharge Valve Repairs		40,000
Grand Total		\$121,000	\$250,000

Glenbard Wastewater Authority
FY 2008 Small Capital Improvement
40 580120

Designation	Recommendations	FY 07 Estimate	FY 08 Proposed
Lombard Maint Garage	Raw Pump Check Valve Rebuilds (4)	0	15,000
	Replace Band Saw	2,000	
	Purchase OSHA Rated Man-Basket - 36x36	3,500	
	MIG Reel Gun	2,500	
Glenbard Administrative	SCADA System Upgrades	10,000	
	Office Furniture/Equipment Replacements		1,400
	Board Room Chairs		600
Electronics	Filing Cabinets/Shelving		5,000
	Software Upgrades (OS & Application)	7,500	5,000
	CRYO oxygen Purity Analyzer Replacement	0	7,500
	Network Server Replacement		42,000
	Sprung Structure Reskin/Relocate	35,000	
	Thermal Imaging Camera	11,000	
	Air Conditioning System installed in New Wheel Loader	7,000	
	Bobcat Attachment	10,000	
Grand Total		\$93,500	\$71,500

TABLE 1. TOTAL WASTEWATER FLOWS AND PERCENTAGES FOR FY 2007 BUDGET

MONTH	TOTAL AREA METERS (MG)	GLEN ELLYN AREA (MG)	PERCENT OF TOTAL	LOMBARD AREA (MG)	PERCENT OF TOTAL
Jan-05	393.556	194.221	49.350%	199.335	50.650%
Feb-05	412.640	209.026	50.656%	203.614	49.344%
Mar-05	333.817	163.138	48.870%	170.679	51.130%
Apr-05	327.665	159.840	48.782%	167.825	51.218%
May-05	236.873	111.835	47.213%	125.038	52.787%
Jun-05	189.358	86.374	45.614%	102.984	54.386%
Jul-05	321.137	153.178	47.699%	167.959	52.301%
Aug-05	316.931	156.780	49.468%	160.151	50.532%
Sep-05	303.477	148.526	48.941%	154.951	51.059%
Oct-05	313.732	157.168	50.096%	156.564	49.904%
Nov-05	331.766	159.883	48.191%	171.883	51.809%
Dec-05	375.081	183.347	48.882%	191.734	51.118%
Jan-06	424.560	210.590	49.602%	213.970	50.398%
Feb-06	310.450	152.570	49.145%	157.880	50.855%
Mar-06	359.670	177.430	49.331%	182.240	50.669%
Apr-06	336.840	163.750	48.614%	173.090	51.386%
May-06	382.550	187.970	49.136%	194.580	50.864%
Jun-06	404.824	201.968	49.890%	202.856	50.110%
Jul-06	322.296	157.724	48.938%	164.572	51.062%
Aug-06	327.841	161.221	49.177%	166.620	50.823%
Sep-06	426.939	211.231	49.476%	215.708	50.524%
Oct-06	567.209	273.461	48.212%	293.748	51.788%
Nov-06	509.363	248.476	48.782%	260.887	51.218%
Dec-06	614.222	291.268	47.421%	322.954	52.579%
AVERAGE	368.450	180.041	48.864%	188.409	51.136%

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

MONTH	N.R.I. SUM TOTAL	GLEN ELLYN (MG)	% OF N.R.I.	LOMBARD (MG)	% OF N.R.I.
Jan-05	253.975	101.327	39.896%	152.648	60.104%
Feb-05	266.960	110.491	41.389%	156.469	58.611%
Mar-05	214.461	85.697	39.959%	128.764	60.041%
Apr-05	214.193	86.222	40.254%	127.971	59.746%
May-05	158.751	61.147	38.518%	97.604	61.482%
Jun-05	125.440	46.215	36.842%	79.225	63.158%
Jul-05	211.269	81.418	38.538%	129.851	61.462%
Aug-05	215.209	83.330	38.720%	131.879	61.280%
Sep-05	198.862	79.337	39.896%	119.525	60.104%
Oct-05	208.007	87.237	41.939%	120.770	58.061%
Nov-05	220.521	87.703	39.771%	132.818	60.229%
Dec-05	248.435	100.574	40.483%	147.861	59.517%
Jan-06	287.708	116.522	40.500%	171.186	59.500%
Feb-06	205.057	83.657	40.797%	121.400	59.203%
Mar-06	245.641	99.539	40.522%	146.102	59.478%
Apr-06	230.532	91.761	39.804%	138.771	60.196%
May-06	260.504	105.327	40.432%	155.177	59.568%
Jun-06	274.929	112.599	40.956%	162.330	59.044%
Jul-06	216.091	82.312	38.091%	133.779	61.909%
Aug-06	218.194	86.986	39.866%	131.208	60.134%
Sep-06	283.282	113.973	40.233%	169.309	59.767%
Oct-06	381.067	147.440	38.691%	233.627	61.309%
Nov-06	341.207	134.539	39.430%	206.668	60.570%
Dec-06	388.205	148.501	38.253%	239.704	61.747%
AVERAGE	244.521	97.244	39.769%	147.277	60.231%