

SEWERAGE (42)

AGENCY PLAN: STATEMENT OF PURPOSE, GOALS AND BUDGET SUMMARY

STATEMENT OF PURPOSE:

The Sewerage Division of the Water and Sewerage Department treats combined sewerage collected throughout the service area so that the treated effluent is in compliance with the requirements established by the U.S. Environmental Protection Agency and the Michigan Department of Natural Resources.

AGENCY GOALS:

The Sewerage Division is administratively part of the Detroit Water and Sewerage Department maintained as a separate fund in the City of Detroit Accounting System.

AGENCY FINANCIAL SUMMARY:

2007-08 <u>Requested</u>		2006-07 <u>Budget</u>	2007-08 <u>Recommended</u>	Increase <u>(Decrease)</u>
\$ 193,478,688	Departmental Operations	\$ 188,975,822	\$ 193,478,688	\$ 4,502,866
170,715,500	Debt Service	156,413,794	170,715,500	14,301,706
44,861,700	Capital Appropriations	46,360,000	49,221,700	2,861,700
-	Bonded Capital	<u>375,000,000</u>	<u>-</u>	<u>(375,000,000)</u>
\$ 409,055,888	Total Appropriations	\$ 766,749,616	\$ 413,415,888	\$ (353,333,728)
\$ 409,055,888	Departmental Revenues	\$ 391,749,616	\$ 413,415,888	\$ 21,666,272
-	Sale of Bonds	<u>375,000,000</u>	<u>-</u>	<u>(375,000,000)</u>
\$ 409,055,888	Total Revenues	\$ 766,749,616	\$ 413,415,888	\$ (353,333,728)
\$ -	NET TAX COST:	\$ -	<u>\$ -</u>	\$ -

AGENCY EMPLOYEE STATISTICS:

2007-08 <u>Requested</u>		2006-07 <u>Budget</u>	04-01-07 <u>Actual</u>	2007-08 <u>Recommended</u>	Increase <u>(Decrease)</u>
<u>1,176</u>	City Positions	<u>1,176</u>	<u>822</u>	<u>1,176</u>	<u>0</u>
1,176	Total Positions	1,176	822	1,176	0

ACTIVITIES IN THIS AGENCY:

	2006-07 <u>Budget</u>	2007-08 <u>Recommended</u>	Increase <u>(Decrease)</u>
Administrative Services	\$ 40,997,710	\$ 41,200,290	\$ 202,580
Financial Services	5,815,100	5,462,804	(352,296)
Asset Maintenance	16,424,933	10,883,994	(5,540,939)
Engineering Services	3,541,928	2,223,343	(1,318,585)
Wastewater Operations	126,086,151	134,958,257	8,872,106
Sewerage - Capital and Debt Service	<u>573,883,794</u>	<u>218,687,200</u>	<u>(355,196,594)</u>
Total Appropriations	\$ 766,749,616	\$ 413,415,888	\$ (353,333,728)

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ADMINISTRATIVE SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ADMINISTRATIVE SERVICES

The role of the Administrative Support Group is to support the mission and goals of the department. The Administrative Support Group is responsible for carrying out the policies of the Board and the business management of the department. This group consists of eleven (11) major divisions: Administration, Process Networks and Supervisory Control and Data Acquisition (SCADA) Systems, Public Affairs, Document Management, Security, Office of Program Management, Information Systems Management Division, Commercial Operations, Systems Control, Meter Operations and the Contracts and Grants Division.

The **Process Networks and SCADA Systems Division** supports operations, establish standards (control, graphics and design), implement future control strategies, conduct training, manage and implement contracts, maintain the Ovation and Non-Ovation Systems to assure efficient operation of the DWSD Control Systems. This division will interact with the Systems Control Center (SCC), Water Treatment and Wastewater Treatment plants to coordinate and recommend actions to enhance the process network(s) for the Treated Water Transmission System (TWTS) and Wastewater Collection System (WWCS).

The **Public Affairs Division** is primarily responsible for compiling and disseminating public information and materials relative to the department's activities through audiovisual, media relations, public relations, and marketing to better provide retail and wholesale customers, and all national and international stakeholders, accurate and up to date information regarding the Water and Sewerage Department. Public Affairs provides complete audiovisual services for DWSD and produces videotaped public service announcements for multimedia broadcast. Public Affairs assists with the dissemination of information and feedback from employees on DWSD plans, programs, and initiatives and promotes a more open and cooperative work environment for all DWSD employees.

The **Commercial Operations Division**, which reports to the Public Affairs Division, is responsible for directing, coordinating, processing, and monitoring DWSD retail and suburban wholesale customer billing and collection activities, collection related to delinquent accounts, processing landlord/tenant agreements, bankruptcy claims and other customer service tasks including meter reads, special payment arrangements, coordinating services with other City agencies, scheduling customer billing dispute hearings, and other related activities.

The **Meter Operations Division** focuses on the meter maintenance function of the department, with an emphasis on meter repair, calibration or replacement for water and wastewater clients (wholesale suburban, residential retail and commercial/industrial). This division also provides much needed instrumentation and controls maintenance support related to the operation of the water production/distribution and wastewater collection systems.

The **Document Management Division** is responsible for disseminating documents in a timely and efficient manner for Detroit Water and Sewerage internal customers. The division is also responsible for a comprehensive department wide program for Records Management, which includes, but is not limited to: records appraisal, retention and disposition, records protection, records and information management technology. The Document Management Division is responsible for DWSD's Service Improvement Program.

The **Security Division** provides a safe and secure working environment for all DWSD personnel. The division's essential responsibilities include: a range of coordinating efforts for emergency response, preparedness measures, actions, and processes; loss prevention monitoring, planning, and reporting; prevent and detect unlawful activity and offenses on or within DWSD facilities; conduct departmental incident and safety investigations; patrol and inspect facilities; prepare, design, and instruct in-service, and emergency preparedness training.

The **Office of Program Management (OPMA) Division** currently serves as administrative support for the Office of the DWSD Director and Deputy Director; distributes various regulatory compliance documents relative to EPA, MDEQ, and other electronic legislative information; prepares and coordinates various regulatory reports that include SARA Title III, Michigan Air Emission Reporting Systems (MAERS), Spill Prevention Control & Countermeasure and Pollution Incident Prevention Plans (SPCC/PIP), Process Safety Management Plans (PSMs), and Risk

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Management Plans (RMPs); coordinates, monitors, prepares, and distributes the monthly DWSD Status Report that updates all activities to be completed per the Second Amended Consent Judgment mandate; Invoice Processing; repository for Wastewater Operations monitoring, violation and compliance reports; Waste Manifest record keeping; maintains a resource library; maintains DWSD Water and Wastewater Service Contracts and Agreements; coordinates and participates in environmental activities with federal, state, and local organizations/universities to build general public awareness; prepares, coordinates, and submits NPDES permit applications to the MDEQ for the WWTP, and for the Lake Huron and Southwest water plants; acts as a liaison between DWSD divisions and regulatory agencies regarding environmental and regulatory issues. Other activities include preparing and submitting the DWSD Wastewater System Operational Plan and PCB/Mercury Minimization Program annual updates to the MDEQ as required by the NPDES Permit, researching and investigating 201 sites and their impact on the DWSD PCB/Mercury Minimization Program, Emergency/Non-Emergency Environmental Response including Waste Cleanup, Hazardous Waste Removal and Disposal, PCB Equipment Management including Transformers, management of the Underground and Aboveground Storage Tank (UST/AST) Programs, and Steering Committee Member of the DWSD's health and safety contract.

The **Contracts and Grants Division** is divided into four (4) units: Consultant Contracts, Construction Contracts, Grants/Loans/Audits and Local Economic Development. The Consultant and Construction Units prepare advertisements and contract documents, monitor progress on contract work, including payment and reports, and provide closeout services. The Grants/Loans/Audits Unit provides contract monitoring, closeout, and regular audit functions for construction, consultant services, and construction management projects. Also, the Local Economic Development Unit monitors targeted enterprise participation on contracts, which is mandated by Executive Orders and City Ordinances.

The **Information Systems Division** manages and supports servers, desktop systems, networks, and telephone systems, and related software applications within the department. Systems supported include the EMPAC maintenance management system, customer billing and management system (CBMS), wide area and local area networks and related wiring and cabling infrastructure, intranet and Internet servers, anti-virus and other security related systems. Services and support are also provided for radio systems for both voice and data communications. Additional support services include providing reviews and recommendations on DWSD projects with respect to information systems concerns, participation in the contract bid review process, developing and disseminating information systems related standards for DWSD, maintaining a database of computer, radio, and telephone equipment, and managing the provision of mobile telephones, pagers and radios.

The **Systems Operations Control Division** is directly responsible for pumping treated water to 126 communities and providing wastewater collection services to 78 communities. It remotely operates 22 water booster stations and 12 sewage pumping stations from the new Systems Control Center (SCC). SCC maintains capability for monitoring and controlling the water distribution network and wastewater collection systems. SCC has operational flexibility to compensate for changing water demands by adjusting water pressures and reservoir flows in the water distribution system. SCC also has the ability to adapt to varying wastewater flows by adjusting selected sewer regulator settings, interceptor flow levels and in-system storage facilities. The division generates valuable data on pressures and levels throughout the system on a 24/7 basis and keeps pumpage records and logs on all activities within the system, around the clock. After analysis of data, various daily, weekly, monthly and annual reports are generated and distributed. The division notifies communities and regulatory agencies on all CSO (combined sewer overflow) incidents, coordinates all projects affecting the system and keeps DWSD wholesale customers informed of project impacts in advance. SCC is also the nerve center for the Department's operations.

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GOALS:

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying sewerage services.
2. To provide an adequate level of trained personnel to operate the sewerage systems.
3. To implement a comprehensive agency-wide reference source.
4. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
5. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives and wastewater issues.
6. To continuously carry out proactive public safety measures by enhancing security practices at all facilities. These practices are based on a vulnerability assessment conducted for the Environmental Protection Agency (EPA).
7. Information Systems will continue to provide required hardware, software, and technical support services for departmental information system needs, and to facilitate interfaces and communications with City-wide information system activities.
8. Commercial Operations will continue employee training and activities to continue implementation of all applications of the Customer Billing and Management System to ensure improved customer service, revenue billing and collection efforts.
9. The Meter Operations Division's goals are to increase commercial/industrial water meter reading accuracy, and to increase residential water meter reading accuracy to improve the billing and revenue collection stream, by calibrating and maintaining all the meters installed in the system.
10. To efficiently and effectively process contracts, grants and loans. Also, to encourage local businesses to participate in the Department's contracting process.

MAJOR INITIATIVES FOR FY 2006-07:

The security division has increased patrol at various DWSD locations. Implementation of security monitoring devices has been executed at all unmanned sites (i.e., pumping and booster stations). The division also conducts ongoing site assessments, and manages any necessary protection enhancements required for:

- Perimeters
- Ovation System
- Hazardous chemical buildings
- Security cameras at main transformers and emergency generators

Information Systems initiatives planned or implemented include the following:

- Implemented Opt-E-MAN Wide Area Networking department-wide
- Server consolidation (ongoing)
- Developed a departmental Business Requirements Plan document for information systems
- Continue with "evergreening" (scheduled replacement) of computer equipment
- Upgraded Internet firewall (security)
- Implemented upgrades to document management
- Implemented upgrades to the DWSD intranet web Portal
- Implemented Data Center improvements (networks and uninterruptible power systems)
- Implemented environmental (power, temperature, etc.) monitoring for critical DWSD systems
- Implemented security policies for DWSD information systems
- Implemented improvements to the DWSD intranet
- Implemented improvements to PBX management
- Implemented fax server upgrade
- Implemented voice mail system replacement

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PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

Information Systems initiatives planned include the following:

- Develop recommendations for telephone system improvements (VOIP)
- Develop and implement initiatives to improve Total Cost of Ownership for information systems
- Server consolidation (ongoing)
- Implement and update departmental Business Requirements Plan document for information systems
- Continue with “evergreening” (scheduled replacement) of equipment
- Implement telephone call accounting
- Implement telephone caller ID improvements
- Implement printer/peripheral consolidation program
- Expand information available via the DWSD intranet web Portal
- Implement secure data transfers between business and process control systems

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ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Type of Performance Measure:	2004-05	2005-06	2006-07	2007-08
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals				
Number of grant applications/amendments	2	N/A	2	0
Value of grant applications/amendments	\$856,200	N/A	\$1,337,700	0
Number of State Revolving Loan Fund applications	0	0	1	3
Value of loan applications	\$0	\$0	\$164,000,000	\$651,000,000
Wholesale meter maintenance (system total – 55)	55	55	55	55
Activity Costs	\$32,527,756	\$37,979,741	\$40,997,710	\$41,200,290

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of the Director Administration	2006-07 Redbook		2007-08 Dept Final Request		2007-08 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00089 - Administration						
421010 - Office of the Director	0	\$487,352	0	\$470,100	0	\$2,684,188
421015 - Process Networks and Scada System	0	\$0	0	\$853,717	0	\$938,099
421020 - Public Relations	0	\$1,145,140	0	\$890,064	0	\$1,282,392
421030 - Document Management	6	\$136,323	6	\$121,657	6	\$104,290
421040 - General Staff Services	0	\$6,992,516	0	\$6,974,056	0	\$6,405,632
421050 - General Departmental Services	0	\$4,270,752	0	\$4,266,477	0	\$4,266,477
421055 - Water Affordability Program - Sewerage	0	\$3,890,000	0	\$3,890,000	0	\$1,250,000
421060 - Human Resources	0	\$17,058	0	\$18,763	0	\$18,763
421070 - Safety	3	\$296,013	3	\$148,319	3	\$128,361
421080 - Security	0	\$3,553,534	0	\$2,813,599	0	\$3,114,711
421090 - Office of Program Management Assistance	18	\$1,321,932	18	\$1,405,047	18	\$1,319,490
421095 - Capital Management	0	\$74,000	0	\$70,000	0	\$70,000
421100 - Print Shop	3	\$162,952	3	\$159,133	3	\$147,757
421110 - Information Systems Administrative Services	0	\$4,796,194	0	\$4,021,842	0	\$4,212,569
421120 - Application Support	0	\$100,088	0	\$124,524	0	\$124,524
421130 - Software Support	0	\$381,650	0	\$437,326	0	\$437,326
421140 - Hardware Support	0	\$144,925	0	\$426,264	0	\$426,264
421150 - Strategic Planning	0	\$6,375	0	\$6,375	0	\$6,375
421160 - Network Support	0	\$212,373	0	\$127,500	0	\$127,500
421180 - Radio/SCADA Infrastructure Support	0	\$194,650	0	\$192,525	0	\$192,525
421200 - Contracts and Grants	0	\$614,995	0	\$505,298	0	\$624,281
421220 - Commercial Operations	0	\$6,781,169	0	\$5,316,378	0	\$5,770,704
421225 - Customer Billing	0	\$263,536	0	\$950,887	0	\$950,887
421230 - Customer Service - Detroit	0	\$39,319	0	\$39,319	0	\$39,319
421235 - Collections	0	\$83,148	0	\$57,898	0	\$57,898
421240 - Addressograph	0	\$1,139,642	0	\$1,139,588	0	\$1,139,588
421245 - Meter Reading	0	\$21,872	0	\$21,872	0	\$21,872
421250 - Meter Operations	0	\$1,141,994	0	\$920,821	0	\$1,028,369
421255 - Meter Records	0	\$16,214	0	\$16,214	0	\$16,214
421260 - Meter Shops	0	\$45,762	0	\$45,684	0	\$45,684
421265 - Meter Instrumentation Shop	0	\$354,248	0	\$353,649	0	\$353,649
421280 - Systems Operations Control	0	\$1,283,387	0	\$1,774,377	0	\$1,846,487

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Operational Services	2006-07		2007-08		2007-08	
	Redbook		Dept Final Request		Mayor's Budget Rec	
Administration	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00089 - Administration						
421300 - Operational Services	0	\$63,597	0	\$50,895	0	\$55,025
421310 - Pumping Station - Belle Isle	0	\$965,000	0	\$249,401	0	\$249,401
421315 - Pumping Station - Blue Hill	0	\$0	0	\$239,987	0	\$239,987
421320 - Pumping Station - Brennan Pools	0	\$0	0	\$4,743	0	\$4,743
421330 - Pumping Station - Clintondale	0	\$0	0	\$41,891	0	\$41,891
421335 - Pumping Station - Conner	0	\$0	0	\$354,544	0	\$354,544
421340 - Pumping Station - Fairview	0	\$0	0	\$265,227	0	\$265,227
421345 - Pumping Station - Fisher	0	\$0	0	\$47,236	0	\$47,236
421350 - Pumping Station - Fox Creek	0	\$0	0	\$59,072	0	\$59,072
421355 - Pumping Station - Freud	0	\$0	0	\$315,338	0	\$315,338
421365 - Pumping Station - Northeast	0	\$0	0	\$53,961	0	\$53,961
421370 - Pumping Station - Oakwood	0	\$0	0	\$91,562	0	\$91,562
421380 - Pumping Station - Woodmere	0	\$0	0	\$270,108	0	\$270,108
APPROPRIATION TOTAL	30	\$40,997,710	30	\$40,603,238	30	\$41,200,290
ACTIVITY TOTAL	30	\$40,997,710	30	\$40,603,238	30	\$41,200,290

CITY OF DETROIT
Budget Development for FY 2007-2008
Appropriations - Summary Objects

	2006-07	2007-08	2007-08
	Redbook	Dept Final	Mayor's
		Request	Budget Rec
AC0542 - Administration Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	9,881,109	8,922,065	8,922,065
EMPBENESL - Employee Benefi	7,441,219	5,327,983	6,986,012
PROFSVCSL - Professional/Cont	4,090,000	3,640,000	3,640,000
OPERSUPSL - Operating Supplie	274,203	286,703	286,703
OPERSVCSL - Operating Service	10,858,452	11,794,420	11,142,864
OTHEXPSSL - Other Expenses	8,452,727	10,632,067	10,222,646
<i>A42000 - Sewerage Department</i>	<i>40,997,710</i>	<i>40,603,238</i>	<i>41,200,290</i>
AC0542 - Administration Services	40,997,710	40,603,238	41,200,290
Grand Total	40,997,710	40,603,238	41,200,290

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FINANCIAL SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

The Financial Services Group consists of five (5) divisions, which provide general accounting, purchasing, materials management, financial planning and internal audit services for both (Water Supply and Sewage Treatment) Operations within the department. The divisions reporting to the Financial Services Group include the following:

The **Accounting Division** contains several sections which combined are responsible for directing, coordinating, posting, processing and monitoring activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities and depreciation of property, plant and equipment, year-end closing and financial operation analysis to facilitate preparation of the trial balance and financial statements. In addition, this division coordinates activities related to the annual city audit, provides financial information as processed by the Oracle system, and performs other related tasks.

The **Financial Planning Division** is responsible for coordination, development, implementation and monitoring activities related to the DWSD operation and maintenance (O&M) budget, water supply and sewage treatment system service rates and charges, coordination of system revenue bond financing, and other related functions for the department.

The **Internal Audit Division** facilitates the department's internal efforts to perform operational audits of transactions, procedures, and processes in various areas within DWSD, analysis and/or other investigative tasks. In addition, this section works with the external auditors to facilitate completion of audit activities. This section reports findings, and makes recommendations when necessary to improve performance of operations, accountability, ensure appropriate accounting controls, and safeguard the department's assets.

The **Materials Management Division** contains several sections when combined make available a supply of goods and services necessary to support DWSD in its mission at all times, under all conditions, at an optimum value per dollar spent while maintaining public confidence. To accomplish this mission, Materials Management recommends policies and procedures, and executes approved policies and procedures regarding inventory control, operation and maintenance of fuel dispensing systems, stocking of materials, new stock number tracking and creation, resource recovery, waste materials collection, interdepartmental mail delivery and auditing the preceding functions. The division also provides limited moving, transportation and warehousing services for materials and equipment.

The **Purchasing Division** ensures goods and services are purchased in the most efficient manner, are delivered by the date needed, at the maximum end-use value per dollar spent, and meet the quality specified and finally, that during the entire procurement process, the department has complied with all federal, state and local laws, statutes, ordinances, and executive orders that pertain to the procurement process.

GOALS:

1. To develop and implement fair, equitable water and sewage rates and charges to all system customers using uniform rate methodologies.
2. Improve the integrity and timeliness of posting accounting transactions via the use of the City's Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer service.
3. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
4. Improve budgetary development and monitoring activities via use of enhanced technology (the City's Budget Resource and Support System-BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.

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5. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safeguard the department's assets.
6. Ensure that DWSD has a well-integrated inventory and warehouse system that results in lower inventory and operational costs while customer service levels are maintained or improved. Inventory management must ensure the stock is available while reducing inventory costs; and the warehouse management function must increase productivity and reduce costs by streamlining the physical process of warehousing and producing fewer mistakes.

MAJOR INITIATIVES FOR FY 2006-07:

- Final set up of Clark Street Warehouse as a staging area to receive and number various PC turnover items for WWTP Maintenance and Operations.
- Integration of a new task; creating new stock numbers in EMPAC for DWSD.
- Providing improved definitions to our various warehouses in EMPAC.
- Successful implementation of measures for PB views and power point scorecards for the Materials Management Division (MMD).
- Identifying slow moving items and listing them for DWSD Maintenance and Operations to review for MMD to remove obsolete items from stock.
- Creation of a Period Agreement Database for stock blanket items for MMD to better track contract extension and expiration dates.
- Initiate electronic and online payment processing for DWSD customers.
- Attend the Government Finance Officer Association annual Conference on budget and finance issues
- Implement the implementation of all new GASB rules
- Implement E-Learning module for EMPAC training.

PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

- Approval to have funding for one large stocking facility for Wastewater operations.
- Consolidation of several stockroom locations for WWTP into one large stockroom.
- Additional support for Analytical lab to process their physical receipts and service receipts.
- Additional support for Industrial Waste Control to process their physical receipts and service receipts.
- Continue to provide staff with O/EDS and other technical training related to financial services.
- Attend training/conference for the National Institute of Governmental Purchasing.
- Implement departmental training on EMPAC & DRMS purchasing procedures.

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FINANCIAL SERVICES MEASURES AND TARGETS

Type of Performance Measure:	2004-05	2005-06	2006-07	2007-08
List of Measures	Actual	Actual	Projection	Target
Inputs: Resources Allocated or Service Demands Made				
Materials Management				
Fuel Procurement/Usage (Gallons)	500,411	515,423	530,885	440,000
Efficiency: Program Costs related to Units of Activity				
Stock Inventory Levels (Benchmark – 95%)	98%	98%	99%	99%
Activity Costs	\$5,236,955	\$5,677,526	\$5,815,100	\$5,462,804

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assist Director Financial Services Financial Services Group	2006-07 Redbook		2007-08 Dept Final Request		2007-08 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00090 - Financial Services Group						
422010 - Office of Assist Director Financial Ser	0	\$980,549	0	\$946,358	0	\$956,259
422020 - Financial Administrative Services	0	\$485,616	0	\$301,780	0	\$335,279
422030 - Budget/Fiscal Reporting	0	\$1,828	0	\$1,828	0	\$1,828
422040 - Rates	0	\$221,246	0	\$221,246	0	\$221,246
422080 - General Accounting Administrative S	0	\$1,729,949	0	\$1,465,465	0	\$1,636,200
422090 - Financial Reporting	0	\$4,250	0	\$4,250	0	\$4,250
422100 - Fixed Assets/Inventory/Payables	0	\$17,935	0	\$17,935	0	\$17,935
422110 - Cash Management	0	\$28,586	0	\$29,861	0	\$29,861
422220 - Purchasing	0	\$695,340	0	\$629,463	0	\$708,867
422230 - Materials Management	0	\$1,626,111	0	\$1,390,601	0	\$1,523,257
422235 - Wastewater Plant Stores	0	\$17,736	0	\$17,735	0	\$17,735
422240 - Sewerage Secondary Stores	0	\$3,321	0	\$3,321	0	\$3,321
422250 - Operations Support	0	\$972	0	\$5,105	0	\$5,105
422255 - Inventory Audit	0	\$1,661	0	\$1,661	0	\$1,661
APPROPRIATION TOTAL	0	\$5,815,100	0	\$5,036,609	0	\$5,462,804
ACTIVITY TOTAL	0	\$5,815,100	0	\$5,036,609	0	\$5,462,804

CITY OF DETROIT
Budget Development for FY 2007-2008
Appropriations - Summary Objects

	2006-07	2007-08	2007-08
	Redbook	Dept Final	Mayor's
		Request	Budget Rec
AC1042 - Financial Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,436,505	1,804,973	1,804,973
EMPBENESL - Employee Benefi	1,901,230	1,106,916	1,533,111
OPERSUPSL - Operating Supplie	26,561	26,561	26,561
OPERSVCSL - Operating Service	954	954	954
CAPOUTLSL - Capital Outlays/M:	1,500	1,500	1,500
OTHEXPSSL - Other Expenses	1,448,350	2,095,705	2,095,705
<i>A42000 - Sewerage Department</i>	<i>5,815,100</i>	<i>5,036,609</i>	<i>5,462,804</i>
AC1042 - Financial Services	5,815,100	5,036,609	5,462,804
Grand Total	5,815,100	5,036,609	5,462,804

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ASSET MAINTENANCE GROUP ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ASSET MAINTENANCE GROUP

Asset Maintenance Group provides maintenance and repair to equipment, facilities and its infrastructures of Detroit Water and Sewerage Department. It also provides maintenance support services to its internal customers such as Water Production, Systems Operations Control and many other operating Divisions of this Department.

Plants, Buildings, Grounds and Mechanical Maintenance (MM) Division: This Division provides centralized major maintenance and repair support services at various DWSD buildings and pumping stations for the purposes of housekeeping and the grounds maintenance work as well as electrical, mechanical and the other tasks where the skilled trades work is needed. It also provides a support base for the equipment repair, calibration or replacements particularly for HVAC and other building equipment as well as pumps, motors, valves and electrical power distribution equipment. This Division also provides the vehicle fleet management for the Department's fleet of vehicles and mobile construction equipment.

The **Maintenance and Construction Division** repairs and maintains the wastewater collection systems. The Division is comprised of four (4) districts that maintain all allied appurtenances, such as fire hydrants, water and sewer manholes, valves, water/sewer service lines and storm water basins and lead lines. The Telecommunications, Claims, Dispatch and Field Inspection Forces provide support services to the departments' nearly 4 million customers.

GOALS:

The Plants, Buildings, Grounds and Mechanical Maintenance Division's goals are:

1. Improve pumping equipment availability and reliability for the maximum utilization of the sewage pumping stations.
2. Improve buildings and grounds maintenance of unmanned sewage pumping stations.
3. Improve employees' safety at work locations and the general efficiency and effectiveness of their support function.
4. Continue to implement effective maintenance strategies for critical pumping and other equipment to realize potential for increased revenue thru reliable pumping services.
5. Continue to implement a management succession – planning program.

The Maintenance and Construction Division's goals are:

1. To increase customer satisfaction by reducing the number of sewer complaints.
2. Establish Divisional Training to reduce lost time accidents, and provide succession training to meet Divisional needs.
3. Establish preventive maintenance programs to improve efficiency.

MAJOR INITIATIVES FOR FY 2006-07:

- Asset optimization thru continuous asset condition monitoring program, which will then be fully integrated with the Computerized Maintenance Management System for an overall annual operations support cost reduction of approximately 5 percent.

PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

- Train subordinates to assume additional maintenance management responsibilities to prepare them for the future anticipated retirement of key people in the management rank.

SEWERAGE (42)

ASSET MAINTENANCE MEASURES AND TARGETS

Type of Performance Measure:	2004-05	2005-06	2006-07	2007-08
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals				
Sites Maintained	20	20	20	20
Acreage Maintained	350	350	350	350
Vehicle Repairs performed	935	1,113	1,257	1,300
Outcomes: Results or Impacts of Program Activities				
Major Pumping Units Availability – Sewerage (Benchmark – 85%)	90%	95%	95%	95%
Activity Costs	\$6,911,207	\$16,448,173	\$16,424,933	\$10,883,994

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director Asset Maintena Asset Maintenance Group	2006-07 Redbook		2007-08 Dept Final Request		2007-08 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00161 - Asset Maintenance Group						
424010 - Office of Assistant Director Asset Mai	0	\$155,498	0	\$133,731	0	\$212,146
424120 - Mechanical Operations Administratio	0	\$5,152,359	0	\$1,684,153	0	\$1,684,153
424130 - Ground Maintenance	0	\$17,425	0	\$17,425	0	\$324,987
424140 - Field Operations	0	\$1,449,803	0	\$1,449,803	0	\$1,449,803
424150 - Mechanical Maintenance	0	\$735,051	0	\$743,877	0	\$743,877
424190 - Water Board Building	0	\$1,683,695	0	\$1,525,986	0	\$1,525,986
424240 - Maintenance and Repair 2004	0	\$6,360,508	0	\$3,647,125	0	\$3,979,057
424260 - West Yard	0	\$42,609	0	\$41,650	0	\$41,650
424360 - Central Service Facility	0	\$827,985	0	\$922,335	0	\$922,335
APPROPRIATION TOTAL	0	\$16,424,933	0	\$10,166,085	0	\$10,883,994
ACTIVITY TOTAL	0	\$16,424,933	0	\$10,166,085	0	\$10,883,994

CITY OF DETROIT
Budget Development for FY 2007-2008
Appropriations - Summary Objects

	2006-07	2007-08	2007-08
	Redbook	Dept Final	Mayor's
		Request	Budget Rec
AC1542 - Asset Management			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	6,682,314	3,305,721	3,305,721
EMPBENESL - Employee Benefi	5,196,313	2,021,352	2,431,699
PROFSVCSL - Professional/Cont	2,364,000	2,313,000	2,313,000
OPERSUPSL - Operating Supplie	787,266	951,650	951,650
OPERSVCSL - Operating Service	896,350	1,003,850	1,003,850
CAPEQUPSL - Capital Equipmen	3,000	3,000	3,000
CAPOUTLSL - Capital Outlays/M:	20,000	20,000	20,000
OTHEXPSSL - Other Expenses	475,690	547,512	855,074
<i>A42000 - Sewerage Department</i>	<i>16,424,933</i>	<i>10,166,085</i>	<i>10,883,994</i>
AC1542 - Asset Management	16,424,933	10,166,085	10,883,994
Grand Total	16,424,933	10,166,085	10,883,994

SEWERAGE (42)

ENGINEERING SERVICES GROUP ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ENGINEERING SERVICES GROUP-SEWER

Engineering Services Group provides engineering services to the remaining four- (4) operational groups within the department. The Group consist of seven (7) broad functional groups: Engineering/Administrative Support, Wastewater Design and Construction, Facilities Design, Water & Sewer Systems, Field Engineering and Combined Sewer Overflow Groups. A description of each group follows:

Engineering Administration is headed by the Assistant Director of Engineering Services. This person acts as general manager providing overall guidance and direction to the 7 subgroups. The general and assistant superintendents of Engineering guide execution of the day-to-day engineering/contract activities. The Engineering and Administrative Support section provides general support to the Division's other six (6) groups. Support activities include fiscal projection and management, human resources management, material resources management, organizational development and training, statistical operations reporting, project accounting and reporting, and property management.

The **Wastewater Design and Construction Group** is located at the department's wastewater treatment and is singularly responsible for all design and construction of improvements and additions at that plant. As necessary, it solicits construction inspection services from the Field Engineering Group. The group inspects construction and alteration of the Wastewater Treatment Plant buildings and equipment for contract conformance. This group reviews drawings and procedures design documents in coordination with the Wastewater Design Group.

The **Facilities Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff efforts for projects related to Department locations and facilities excluding the Wastewater Treatment Plant and sewage pumping stations. All design work related to water production, pumping, metering and storage facilities is serviced by this group.

The **Water & Sewer Systems Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications for all transmission/distribution mains for water and sewer projects. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system. This group consists of four (4) sections: Urban Design, Planning, Suburban Engineering and Records, and Major Design.

The **Field Engineering Group** plans, directs, and coordinates field engineering personnel in ongoing construction management of water mains, sewers, building construction, and equipment installation contracts; oversees all Water Treatment Plant renovations and provides construction inspection services to the Wastewater Design and Construction Group as necessary to support than group's efforts; insures the structural integrity of water systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the Miss Dig system.

The **Combined Sewer Overflow (CSO) Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications by consultant forces and acts as a resource to the construction or field engineering staff for projects related to Detroit's Long Term CSO Control Plan in compliance with NDPES Permit requirements and DWSD objectives. The Group also manages and implements consultant design and construction contracts, and some in-house projects for capital improvements to DWSD's wastewater pump stations and wastewater facilities outside the WWTP (e.g., retention basins, screening/disinfection facilities, in-system storage facilities, etc.). The CSO Group is comprised of (11) multi-disciplined engineers and one (1) clerical staff person.

SEWERAGE (42)

GOALS:

1. To perform the related functions of these divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To insure that all engineering designs are in compliance with all federal, state and local agency requirements.
3. To insure that all sewage disposal and wastewater facilities are constructed in conformity with the plans and specifications, and those specifications are functional.

MAJOR INITIATIVES FOR FY 2006-07:

- *Upper Rouge Tunnel CSO Project* – Design of an approximately 7-mile long, 30-feet in diameter, 210 million gallon capacity CSO retention tunnel to capture current uncontrolled discharges from 17 designated existing outfalls along a stretch of the upper Rouge River between 7-Mile Road to the north and Warren Road to the south.
- *Oakwood Pump Station CSO Facility* – Design of an approximately 1660 cubic feet per second replacement pump station and connected approximately 9 million gallon capacity CSO retention basin
- *Waste Water Treatment Plant New Analytical Lab* – Design of an approximately 30,000 sq. ft. one floor masonry and structural steel building located nearby DWSD Livernois Center
- *Woodmere Pump Station Improvements*- Rehabilitation of the 50-year old, 272 cfs capacity Pump Station located adjacent to Woodmere Cemetery
- *Clintondale & Fischer Pump Stations Improvements*—Rehabilitation of aging Clintondale Pumping Station and Fischer Pump Station to meet present day operation and maintenance needs
- *Belle Isle Packaged Pump Station Replacement* - Replacement designs for eight (8) antiquated existing on-site sewage packaged pumping stations located throughout Detroit's Belle Isle Park

PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

- The above-described projects are scheduled for construction over the next several years with completion dates to maintain compliance with NPDES Permit requirements.
- Facilities to control CSO discharges at 5 lower Rouge River outfalls will be designed and constructed.
- DWSD's Long Term CSO Control Plan will be amended in 2008 and submitted to the MDEQ to address remaining uncontrolled discharges to the Detroit River.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Engineering	2006-07		2007-08		2007-08	
	Redbook		Dept Final		Mayor's	
Engineering Services - Sewage	FTE	AMOUNT	FTE	AMOUNT	Budget Rec	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
05831 - Engineering Services - Sewage						
423010 - Office of Assistant Director of Engine	0	\$237,928	0	\$0	0	\$0
423020 - Engineering Administrative Services	124	\$3,210,757	124	\$2,615,201	124	\$2,148,475
423030 - Field Engineering Group	0	\$34,437	0	\$34,437	0	\$34,437
423040 - Wastewater Design	0	\$24,595	0	\$24,595	0	\$24,595
423050 - Sewerage System	0	\$34,211	0	\$15,836	0	\$15,836
APPROPRIATION TOTAL	124	\$3,541,928	124	\$2,690,069	124	\$2,223,343
ACTIVITY TOTAL	124	\$3,541,928	124	\$2,690,069	124	\$2,223,343

CITY OF DETROIT
Budget Development for FY 2007-2008
Appropriations - Summary Objects

	2006-07	2007-08	2007-08
	Redbook	Dept Final	Mayor's
		Request	Budget Rec
AC2042 - Engineering Services - Sewage			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,358,727	1,795,228	1,795,228
EMPBENESL - Employee Benefi	712,725	793,907	327,181
PROFSVCSL - Professional/Cont	52,500	0	0
OPERSUPSL - Operating Supplie	146,434	145,228	145,228
OPERSVCSL - Operating Service	466,930	481,698	481,698
OTHEXPSSL - Other Expenses	(195,388)	(525,992)	(525,992)
<i>A42000 - Sewerage Department</i>	<i>3,541,928</i>	<i>2,690,069</i>	<i>2,223,343</i>
AC2042 - Engineering Services - Sewage	3,541,928	2,690,069	2,223,343
Grand Total	3,541,928	2,690,069	2,223,343

SEWERAGE (42)

WASTEWATER OPERATIONS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: WASTEWATER OPERATIONS

Wastewater Operations consists of the Wastewater Treatment Plant and the Industrial Waste Control Division. A description of each group follows:

Operations at the plant include treatment of wastewater, the removal and disposal of solids collected from wastewater, disinfection of the wastewater effluent, analysis of wastewater and industrial waste samples to insure compliance with various ordinances, laws, the plant's Renewal Operating Permit (ROP), National Pollutant Discharge Elimination System (NPDES) Permit, and performance of maintenance tasks on plant equipment.

The Industrial Waste Control Division regulates the discharge of wastewater into the sewerage system from commercial, industrial and other non-domestic sources. These activities include on-site inspections of facility operations, monitoring of wastewater discharges, issuance of permits with applicable requirements and controls, and enforcement of the City of Detroit Ordinance 23-86, 34-96, and applicable federal and state laws.

GOALS:

Wastewater Treatment Plant

1. Produce a quality effluent.
2. Manage residuals processing and disposal.
3. Achieve regulatory compliance in an effective and efficient manner.

MAJOR INITIATIVES FOR FY 2006-07:

- Continue to improve the WWTP infrastructure.
- Ensure that adequate staff is available to operate and maintain the WWTP and the CSO facilities.
- Coordinate the Incineration rehab with the proposed Synagro contract.
- Implement regional access to rain gage data through a secure connection.
- Start up additional CSO facilities.

PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

- Continue to improve the WWTP infrastructure.
- Ensure that adequate staff is available to operate and maintain the WWTP and the CSO facilities.
- Coordinate the Incineration rehab with the proposed Synagro contract.

GOALS:

Industrial Waste Control

1. To implement a complete regulatory control program of all non-domestic wastewater released to the Detroit Sewerage Collection System.
2. To initiate appropriate enforcement actions to remedy non-complying discharges, including administrative and legal actions.
3. To protect and preserve the local environment of the city of Detroit and southeastern Michigan.

MAJOR INITIATIVES FOR FY 2006-07:

- The IWC Division inaugurated a new database system, or Pretreatment Information Management System "PIMS", for administration of the Industrial Pretreatment Program.
- The IWC Division completed a technical study to evaluate the wastewater pollutant load acceptable to the Detroit Wastewater Treatment Plant, in satisfaction of the requirements defined in the City's NPDES permit.
- The City's Industrial Pretreatment Program, as implemented by the IWC Division, was audited by the USEPA and MDEQ staff, and was found to be in compliance with applicable requirements.

SEWERAGE (42)

PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

- The Division's Pollution Prevention, or P2 initiatives, are anticipated to create increased awareness of the needs for environmental controls and reduce pollutant loadings through increased education.
- Likewise, the Division's Best Management Practices, or BMP initiatives, are anticipated to create increased awareness of the needs for environmental controls and reduce pollutant loadings through increased education.
- Seek production efficiencies through Database applications and in-field usage.

SEWERAGE (42)

WASTEWATER OPERATIONS MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2004-05 Actual	2005-06 Actual	2006-07 Projection	2007-08 Target
Outputs: Units of Activity directed toward Goals				
Average sewage pumped per day (MGD)	674	690	690	690
Sludge produced (wet tons)	775,340	793,750	742,764	708,116
Tons of materials incinerated (wet)	697,810	714,370	626,510	601,899
Number of facility inspections	1,000	1,100	1,100	1,100
Number of wastewater permits	512	520	520	550
Number of enforcement notices and violations	400	400	350	300
Number of compliance and administrative hearings	75	75	75	50
Number of civil actions initiated	0	2	2	1
Value of penalties/fees assessed	\$75,000	\$100,000	\$100,000	\$50,000
Number of samples collected	12,000	12,000	12,000	11,500
Number of permits revoked	0	0	0	0
Activity Costs	\$113,256,179	\$123,811,497	\$126,086,151	\$134,958,257

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Wastewater Wastewater Plant Operations	2006-07 Redbook		2007-08 Dept Final Request		2007-08 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00162 - Wastewater Plant Operations						
425010 - Office of Assistant Director of Wastev	6	\$2,933,123	6	\$3,178,810	6	\$3,870,983
425020 - Plant Administration	904	\$67,203,260	904	\$62,214,703	904	\$58,083,643
425030 - Analytical Laboratory	0	\$949,040	0	\$1,154,343	0	\$1,154,343
425040 - Control System Engineering	0	\$512,000	0	\$575,000	0	\$575,000
425060 - Document Control	0	\$184,579	0	\$187,079	0	\$187,079
425070 - Treatment Plant Maintenance	0	\$6,551,400	0	\$9,117,819	0	\$9,117,819
425080 - Operations Laboratory	0	\$128,625	0	\$148,000	0	\$148,000
425090 - Plant Engineering	0	\$3,000	0	\$5,500	0	\$5,500
425100 - Process Engineering	0	\$5,133,425	0	\$9,561,200	0	\$9,561,200
425110 - Training	0	\$62,700	0	\$63,357	0	\$63,357
425120 - Treatment Operations	0	\$31,015,364	0	\$41,308,600	0	\$41,308,600
425130 - Industrial Waste Control Administrati	0	\$677,000	0	\$665,500	0	\$665,500
425140 - I. W. C. Field Monitoring	112	\$7,549,135	112	\$7,254,976	112	\$6,779,433
425150 - I. W. C. Program Operations	0	\$2,174,500	0	\$2,049,500	0	\$2,049,500
425395 - Puritan / Fenkell	0	\$295,500	0	\$57,400	0	\$57,400
425400 - 7 Mile	0	\$25,000	0	\$45,500	0	\$45,500
425410 - Hubble / Southfield	0	\$90,000	0	\$235,000	0	\$235,000
425420 - Leib - CSO	0	\$19,000	0	\$86,000	0	\$86,000
425425 - St. Aubin - CSO	0	\$24,000	0	\$65,000	0	\$65,000
425430 - Inspection & Permits	0	\$66,500	0	\$101,000	0	\$101,000
425440 - Enforcement, Field Investigation & M	0	\$28,000	0	\$28,000	0	\$28,000
425450 - Revenue Program & Pollution Prever	0	\$12,000	0	\$13,000	0	\$13,000
425465 - Connor Creek CSO Basin	0	\$369,000	0	\$525,000	0	\$525,000
425470 - Baby Creek CSO Basin	0	\$80,000	0	\$232,400	0	\$232,400
APPROPRIATION TOTAL	1022	\$126,086,151	1022	\$138,872,687	1022	\$134,958,257
ACTIVITY TOTAL	1022	\$126,086,151	1022	\$138,872,687	1022	\$134,958,257

CITY OF DETROIT
Budget Development for FY 2007-2008
Appropriations - Summary Objects

	2006-07	2007-08	2007-08
	Redbook	Dept Final	Mayor's
		Request	Budget Rec
AC2542 - Sewer Operations			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	50,651,711	48,331,395	48,331,395
EMPBENESL - Employee Benefi	18,603,076	18,308,099	13,664,895
PROFSVCSL - Professional/Cont	11,184,965	16,632,711	16,632,711
OPERSUPSL - Operating Supplie	13,939,925	16,243,108	16,243,108
OPERSVCSL - Operating Service	29,675,394	39,111,374	39,111,374
CAPOUTLSL - Capital Outlays/Mi	500	0	0
OTHEXPSSL - Other Expenses	2,030,580	246,000	974,774
<i>A42000 - Sewerage Department</i>	<i>126,086,151</i>	<i>138,872,687</i>	<i>134,958,257</i>
AC2542 - Sewer Operations	126,086,151	138,872,687	134,958,257
Grand Total	126,086,151	138,872,687	134,958,257

SEWERAGE (42)

SEWERAGE - CAPITAL ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: SEWERAGE - CAPITAL PROGRAM

The capital program for the Sewage Disposal System is a five-year plan devoted to replacing, rehabilitating, or improving existing process facilities at the Wastewater Treatment Plant; construction or installation of new facilities at the Wastewater Treatment Plant; rehabilitating sewage pumping stations and major sewers; construction of combined sewer overflow (CSO) basins and other CSO control measures throughout the combined sewer system; replacement of suburban sewage primary measuring devices; replacing or relining deteriorated lateral sewers in the City of Detroit; installing new sewers or re-routing existing sewers to accommodate new development throughout the City of Detroit; automating the meter reading function; and upgrading the instrumentation and process control equipment for the Wastewater Treatment Plant and the sewage collection system.

GOALS:

To provide essential, efficient and user-friendly services by:

1. Continuing to improve, expand, and rehabilitate the Wastewater Treatment Plant to provide a cost-effective and energy efficient sewage treatment facility that meets all water and air quality standards.
2. Continuing to construct combined sewer retention basins, rehabilitate and improve sewage pumping stations and implement other measures for the containment of combined sewer overflow, thereby reducing the frequency and magnitude of combined sewer overflows to the Detroit and Rouge rivers.
3. Continuing to construct those interceptor and control facilities needed to adequately service all customers, and replacing and rehabilitating suburban wholesale customer primary measuring devices and meter pits to more accurately measure and bill for wastewater treatment service provided.
4. Continuing to replace those lateral sewers in the city of Detroit which are deteriorated or are of insufficient capacity to service customers.
5. Continuing to computerize various wastewater functions to reduce costs and improve operations.

SEWERAGE (42)

SEWERAGE - CAPITAL MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2004-05 Actual	2005-06 Actual	2006-07 Projection	2007-08 Target
Outputs: Units of Activity directed toward Goals				
Number of capital projects – Wastewater Treatment Plant-Primary Treatment	9	9	13	7
Value of capital projects – Wastewater Treatment Plant – Primary Treatment	14,690,000	5,464,000	3,940,000	7,464,000
Number of capital projects – Wastewater Treatment Plant - Secondary Treatment	6	5	7	3
Value of capital projects - Wastewater Treatment Plant – Secondary Treatment	17,461,000	13,527,000	8,862,000	1,613,000
Number of capital projects – Wastewater Treatment Plant – Solids Handling	9	8	14	4
Value of capital projects - Wastewater Treatment Plant – Solids Handling	44,949,000	7,317,000	6,666,000	4,580,000
Number of capital projects – Wastewater Treatment Plant - Disinfection	4	4	1	1
Value of capital projects – Wastewater Treatment Plant – Disinfection	12,291,000	274,000	3,200,000	3,200,000
Number of capital projects – Wastewater Treatment Plant – General Purpose	38	38	57	33
Value of capital projects - Wastewater Treatment Plant – Secondary Treatment	84,299,000	66,451,000	64,837,000	36,931,000
Number of capital projects – Facility-Sewer Interceptor System	3	3	4	3
Value of capital projects – Facility-Sewer Interceptor System	1,610,000	614,000	1,809,000	3,585,000
Number of capital projects – Facility - Combined Sewer Interceptor System	28	27	31	21
Value of capital projects – Facility - Combined Sewer Interceptor System	77,558,000	72,424,000	67,623,000	87,616,000
Number of capital projects –Facility - Lateral Sewer Replacement	8	8	12	5
Value of capital projects – Facility - Lateral Sewer Replacement	53,100,000	30,264,000	19,694,000	34,400,000
Number of capital projects – Facility –Planning and Administration	21	20	29	10
Value of capital projects – Facility – Planning and Administration	43,816,000	10,447,000	23,988,000	30,430,000
Total number of projects	126	122	168	87
Total value of projects	349,774,000	206,782,000	200,619,000	209,819,000
Activity Costs	\$96,939,407	\$205,099,500	\$573,883,794	\$218,687,200

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Bond Principle & Interest Redemption Fur	2006-07		2007-08		2007-08	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
Interest and Bond Redemption						
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
00168 - Interest and Bond Redemption						
427010 - Bond Principle & Interest Redemption	0	\$156,413,794	0	\$170,715,500	0	\$170,715,500
APPROPRIATION TOTAL	0	\$156,413,794	0	\$170,715,500	0	\$170,715,500
00169 - Sewerage System Improvements						
427030 - Sewerage System Improvements	0	\$41,323,900	0	\$39,735,200	0	\$39,735,200
APPROPRIATION TOTAL	0	\$41,323,900	0	\$39,735,200	0	\$39,735,200
00443 - Extraordinary Repairs and Replacement						
427040 - Extraordinary Repair & Replacement	0	\$146,100	0	\$674,500	0	\$674,500
APPROPRIATION TOTAL	0	\$146,100	0	\$674,500	0	\$674,500
05735 - Sewerage Reserve Deposit						
427025 - Sewerage Reserve Deposit	0	\$1,000,000	0	\$562,000	0	\$7,562,000
APPROPRIATION TOTAL	0	\$1,000,000	0	\$562,000	0	\$7,562,000
12139 - Sewerage Bond Fund Series 2007						
427227 - Sewerage Bond Fund Series 2007	0	\$375,000,000	0	\$0	0	\$0
APPROPRIATION TOTAL	0	\$375,000,000	0	\$0	0	\$0
ACTIVITY TOTAL	0	\$573,883,794	0	\$211,687,200	0	\$218,687,200

CITY OF DETROIT
Budget Development for FY 2007-2008
Appropriations - Summary Objects

	2006-07 Redbook	2007-08 Dept Final Request	2007-08 Mayor's Budget Rec
AC3042 - Sewerage - Capital and Debt Service			
<i>A42000 - Sewerage Department</i>			
CAPEQUPSL - Capital Equipmen	8,500,000	8,500,000	8,500,000
OTHEXPSSL - Other Expenses	408,970,000	32,471,700	39,471,700
FIXEDCHGSL - Fixed Charges	156,413,794	170,715,500	170,715,500
<i>A42000 - Sewerage Department</i>	<i>573,883,794</i>	<i>211,687,200</i>	<i>218,687,200</i>
AC3042 - Sewerage - Capital and Debt Ser	573,883,794	211,687,200	218,687,200
Grand Total	573,883,794	211,687,200	218,687,200

CITY OF DETROIT
Budget Development for FY 2007-2008
Appropriation Summary - Revenues

	2005-06 Actuals	2006-07 Redbook	2007-08 Dept Final Request	2007-08 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
<i>00759 - Sewage Bond Reserve</i>					
461100 - Earnings On Investment	3,340,700	0	0	0	0
461101 - Unrealized Gain	43,753	0	0	0	0
<i>00759 - Sewage Bond Reserve</i>	<i>3,384,453</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>00838 - State Revenue Sharing - State Revolv Fu</i>					
461100 - Earnings On Investment	1,055,768	6,642,800	8,723,300	8,723,300	2,080,500
461101 - Unrealized Gain	(100,000)	0	0	0	0
<i>00838 - State Revenue Sharing - State</i>	<i>955,768</i>	<i>6,642,800</i>	<i>8,723,300</i>	<i>8,723,300</i>	<i>2,080,500</i>
<i>00956 - Sewage Bond Fund Series 1995A</i>					
461100 - Earnings On Investment	12,441	0	0	0	0
<i>00956 - Sewage Bond Fund Series 199</i>	<i>12,441</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>04828 - Revenue - Sewerage Receiving</i>					
413155 - Sewer Tap Fees	241,415	0	0	0	0
441100 - Other Labors and Mater	70,685	100,000	100,000	100,000	0
447236 - City of Detroit IWC Char	4,346,081	0	0	0	0
447237 - Highway Drainage	1,032,949	0	0	0	0
447240 - Industrial Waste Surcha	10,618,922	0	0	0	0
447246 - IWC Penalties - Detroit	361,775	0	0	0	0
447250 - Sewage Treatment Sale	138,539,325	180,272,000	188,150,200	192,510,200	12,238,200
447255 - Sewage Treatment - Wt	172,270,886	190,303,900	196,531,400	196,531,400	6,227,500
447260 - Pollutant Surcharges	2,782,125	3,421,700	3,611,900	3,611,900	190,200
447285 - Sewage Disposal -Deptl	530,845	0	0	0	0
447287 - Septic Tank Disposal	56,520	0	0	0	0
447300 - Other Utility Revenue	11,896,735	0	0	0	0
448115 - Other Fees	485,650	0	3,800,000	3,800,000	3,800,000
461100 - Earnings On Investment	1,301,635	75,000	75,000	75,000	0
462241 - Rent of Building and Sp	22,070	0	0	0	0
472117 - Late Payment Fee	2,659,759	3,890,000	0	0	(3,890,000)
472150 - Other Miscellaneous	34,757	0	0	0	0
472220 - Ng Check Service Charç	210	0	0	0	0
474100 - Miscellaneous Receipts	0	171,216	1,586,588	1,586,588	1,415,372
<i>04828 - Revenue - Sewerage Receiving</i>	<i>347,252,344</i>	<i>378,233,816</i>	<i>393,855,088</i>	<i>398,215,088</i>	<i>19,981,272</i>
<i>04829 - Revenue - Sewerage Operation - Mainten:</i>					
461100 - Earnings On Investment	343,406	755,200	608,000	608,000	(147,200)
462135 - Building Rentals -F	275,451	0	0	0	0
472150 - Other Miscellaneous	582	0	0	0	0
<i>04829 - Revenue - Sewerage Operatior</i>	<i>619,439</i>	<i>755,200</i>	<i>608,000</i>	<i>608,000</i>	<i>(147,200)</i>

CITY OF DETROIT
Budget Development for FY 2007-2008
Appropriation Summary - Revenues

	2005-06 Actuals	2006-07 Redbook	2007-08 Dept Final Request	2007-08 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
<i>00168 - Interest and Bond Redemption</i>					
461100 - Earnings On Investment	2,920,099	4,085,100	4,256,600	4,256,600	171,500
461101 - Unrealized Gain	(103,024)	0	0	0	0
<i>00168 - Interest and Bond Redemption</i>	<i>2,817,075</i>	<i>4,085,100</i>	<i>4,256,600</i>	<i>4,256,600</i>	<i>171,500</i>
<i>00169 - Sewerage System Improvements</i>					
461100 - Earnings On Investment	356,795	893,200	453,000	453,000	(440,200)
<i>00169 - Sewerage System Improvemer</i>	<i>356,795</i>	<i>893,200</i>	<i>453,000</i>	<i>453,000</i>	<i>(440,200)</i>
<i>00443 - Extraordinary Repairs and Replacement</i>					
461100 - Earnings On Investment	1,222,719	1,139,500	1,159,900	1,159,900	20,400
461101 - Unrealized Gain	(889,772)	0	0	0	0
<i>00443 - Extraordinary Repairs and Rep.</i>	<i>332,947</i>	<i>1,139,500</i>	<i>1,159,900</i>	<i>1,159,900</i>	<i>20,400</i>
<i>10267 - 1999 Sewerage Bond Series</i>					
461100 - Earnings On Investment	110,248	0	0	0	0
<i>10267 - 1999 Sewerage Bond Series</i>	<i>110,248</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>10726 - Sewer Bond Fund - Series 2001</i>					
461100 - Earnings On Investment	234,202	0	0	0	0
<i>10726 - Sewer Bond Fund - Series 200</i>	<i>234,202</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>11320 - Sewerage Bond Fund Series 2003</i>					
461100 - Earnings On Investment	1,151,464	0	0	0	0
471905 - Contributed Revenue	385,700	0	0	0	0
<i>11320 - Sewerage Bond Fund Series 20</i>	<i>1,537,164</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>11488 - Sewerage Bond Fund Series 2005</i>					
461100 - Earnings On Investment	9,179,405	0	0	0	0
461101 - Unrealized Gain	(1,259,191)	0	0	0	0
<i>11488 - Sewerage Bond Fund Series 20</i>	<i>7,920,214</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>12139 - Sewerage Bond Fund Series 2007</i>					
522100 - Sale Of Bonds	0	375,000,000	0	0	(375,000,000)
<i>12139 - Sewerage Bond Fund Series 20</i>	<i>0</i>	<i>375,000,000</i>	<i>0</i>	<i>0</i>	<i>(375,000,000)</i>
A42000 - Sewerage Department	365,533,090	766,749,616	409,055,888	413,415,888	(353,333,728)
Grand Total	365,533,090	766,749,616	409,055,888	413,415,888	(353,333,728)

**CITY OF DETROIT
MAYOR'S 2007/2008 RECOMMENDED BUDGET**

Sewerage Department

Appropriation Organization Classification	REDBOOK FY 2006 2007 FTE	DEPT REQUEST FY 2007 2008	MAYORS FY 2007 2008 FTE
00089 - Administration			
421030 - Document Management			
Admin Asst GD II - DWSD	1	1	1
Principal Clerk	2	2	2
Senior Clerk	1	1	1
Office Assistant II	1	1	1
Messenger	1	1	1
Total Document Management	6	6	6
421070 - Safety			
Principal Governmental Analyst	1	1	1
Principal Clerk	2	2	2
Total Safety	3	3	3
421090 - Office of Program Management Ass			
General Manager - DWSD	1	1	1
Engineer of Water Systems	1	1	1
Admin Asst GD IV	1	1	1
Admin Asst GD III	1	1	1
Administrative Specialist I	1	1	1
Principal Governmental Analyst	3	3	3
Sr Governmental Analyst	3	3	3
Sr Asst Civil Eng - Wastewater	1	1	1
Head Clerk	1	1	1
Principal Clerk	1	1	1
Office Assistant III	1	1	1
Office Assistant II	2	2	2
Messenger	1	1	1
Total Office of Program Management Assista	18	18	18
421100 - Print Shop			
Supervisor of Printing	1	1	1
Duplicating Devices Operator	1	1	1

**CITY OF DETROIT
MAYOR'S 2007/2008 RECOMMENDED BUDGET**

Sewerage Department

Appropriation Organization Classification	REDBOOK FY 2006 2007 FTE	DEPT REQUEST FY 2007 2008	MAYORS FY 2007 2008 FTE
00089 - Administration			
421100 - Print Shop			
Offset Printer	1	1	1
Total Print Shop	3	3	3
Total Administration	30	30	30
00162 - Wastewater Plant Operations			
425010 - Office of Assistant Director of Wast			
Asst Dir -DWSD Wastewater Oper	1	1	1
Head Eng - Water Sys-Operation	1	1	1
Engineer of Wastewater Systems	1	1	1
Manager I - DWSD	1	1	1
Head Governmental Analyst	1	1	1
Office Assistant III	1	1	1
Total Office of Assistant Director of Wastewat	6	6	6
425020 - Plant Administration			
Chief Sewage Plant Engineer	1	1	1
Asst Chief - WWTP-Technical	1	1	1
Manager II - DWSD	1	1	1
Office Management Assistant	2	2	2
Administrative Specialist I	1	1	1
Admin Asst GD II - DWSD	2	2	2
Sr Governmental Analyst	2	2	2
Head Clerk	3	3	3
Principal Clerk	1	1	1
Senior Clerk	27	27	27
Office Assistant III	12	12	12
Water/Wastewater Sys Maint Eng	1	1	1
Engineer of Water Systems	6	6	6
Sr Assoc Civil Eng - Waste	5	5	5
Sewage Plant Opr Super	2	2	2
Sr Assoc Mech Eng - Waste	3	3	3
Associate Civil Eng - Design	10	10	10

**CITY OF DETROIT
MAYOR'S 2007/2008 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Assoc Mech Eng -Wastewater Sys	9	9	9
Sr Assoc Elect Eng - Waste	7	7	7
Eng Support Specialist II	2	2	2
Senior Water Systems Chemist	17	17	17
Water Systems Chemist	45	45	45
Senior Analytical Chemist	10	10	10
Analytical Chemist	31	31	31
Microbiologist	5	5	5
Drafting Technician III	1	1	1
Drafting Technician II	3	3	3
Building Operator II	10	10	10
Assoc Elect Eng - Design	4	4	4
Wastewater Systems Trng Sprv	1	1	1
Principal Training Specialist	1	1	1
Senior Training Specialist	2	2	2
Plant Maintenance Sr Foreman	7	7	7
Plant Maintenance Foreman	21	21	21
Plant Maintenance Sub-Foreman	17	17	17
Plant Maintenance Mechanic	54	54	54
Repair Mechanic	30	30	30
Mechanical Helper	12	12	12
Water Sys Cntrl Instr Tech	17	17	17
Control Instru Tech -Foreman	1	1	1
Cont Instr Tech Sub-Foreman-Wa	8	8	8
Wastewater Treatment Plant Tec	8	8	8
Water Systems Laboratory Aid	3	3	3
Elect Worker Foreman	1	1	1
Elect Worker Sub-Foreman	7	7	7
Elect Worker - General	31	31	31
Elect Repair Worker - General	6	6	6
Maintenance Millwright	11	11	11

**CITY OF DETROIT
MAYOR'S 2007/2008 RECOMMENDED BUDGET**

Sewerage Department

Appropriation Organization Classification	REDBOOK FY 2006 2007 FTE	DEPT REQUEST FY 2007 2008	MAYORS FY 2007 2008 FTE
00162 - Wastewater Plant Operations			
425020 - Plant Administration			
Electrical Helper	1	1	1
General Welder	4	4	4
Finish Carpenter	4	4	4
Bricklayer	4	4	4
Master Plumber	1	1	1
Plumber	24	24	24
Steamfitter	3	3	3
Supervising Bldg Attendant I	2	2	2
Senior Building Attendant	2	2	2
Building Attendant A	28	28	28
Park Maintenance Foreman	2	2	2
Park Maintenance Worker	6	6	6
Park Maintenance Helper	2	2	2
WWTP Maintenance Superintenden	1	1	1
Wastewater Plant General Sprv	1	1	1
Sewage Plant Laboratory Sprv	2	2	2
Asst Sewage Plant Oper Super	1	1	1
Asst Sewage Plant Lab Sprv	4	4	4
Sewage Plant Supervisor	7	7	7
Head Sewage Plant Operator	22	22	22
Asst Head Sewage Plant Oper	60	60	60
Sr Sewage Plant Operator	11	11	11
Wastewater Process Controller	11	11	11
Sewage Plant Operator	130	130	130
Sewage Plant Attendant	102	102	102
Vehicle Operator I	4	4	4
Delivery - Driver	3	3	3
Total Plant Administration	904	904	904
425140 - I. W. C. Field Monitoring			
Manager I - DWSD	1	1	1
Admin Asst GD II - DWSD	1	1	1

**CITY OF DETROIT
MAYOR'S 2007/2008 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
00162 - Wastewater Plant Operations			
 425140 - I. W. C. Field Monitoring			
Administrative Specialist I	1	1	1
Indus Waste Control Mgr	1	1	1
Sprv of Indust Waste Control	2	2	2
Engineer of Water Systems	1	1	1
Chemical Engineer	2	2	2
Sr Assoc Chem Eng-Indust Waste	4	4	4
Assoc Chem Eng-Wastewater Sys	12	12	12
Sr Asst Chem Eng Indust Waste	12	12	12
Sr Indus Wastewater System	5	5	5
Principal Governmental Analyst	2	2	2
Sr Governmental Analyst	3	3	3
Office Management Assistant	1	1	1
Head Clerk	1	1	1
Principal Clerk	2	2	2
Senior Clerk	4	4	4
Office Assistant III	3	3	3
Senior Stenographer	1	1	1
Office Assistant II	1	1	1
Clerk	1	1	1
Eng Support Specialist II	8	8	8
Environmental Specialist III	2	2	2
Environmental Specialist II	3	3	3
Head Constr Inspector - DWSD	2	2	2
Water Systems Investigator	15	15	15
Asst Water Sys Investigator	15	15	15
Plant Maintenance Sr Foreman	2	2	2
Bldg Oper Sprv - Grade II	1	1	1
Senior Building Attendant	1	1	1
Building Attendant A	2	2	2
Total I. W. C. Field Monitoring	112	112	112
Total Wastewater Plant Operations	1,022	1,022	1,022

**CITY OF DETROIT
MAYOR'S 2007/2008 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
05831 - Engineering Services - Sewage			
423020 - Engineering Administrative Service			
Head Eng - Water Sys - Design	2	2	2
Head Civil Eng - Field	1	1	1
Engineer of Water Systems	4	4	4
Electrical Eng - Design	1	1	1
Sr Assoc Civil Eng - Design	7	7	7
Sr Assoc Elect Eng - Design	3	3	3
Sr Assoc Mech Eng - Design	5	5	5
Associate Civil Eng - Design	6	6	6
Assoc Elect Eng - Design	4	4	4
Assoc Mech Eng - Design	5	5	5
Sr Asst Civil Eng - Wastewater	14	14	14
Sr Asst Mech Eng - Wastewater	5	5	5
Sr Asst Mech Eng - Design	1	1	1
Sr Asst Elect Eng - Wastewater	6	6	6
Drafting Technician IV	1	1	1
Drafting Technician III	5	5	5
Sr Geograph Info Sys Supp Tech	3	3	3
Prin Data Proc Prog Analyst	1	1	1
Eng Support Specialist II	6	6	6
Eng Support Specialist I	1	1	1
Student Eng GD II Civil LTD	1	1	1
Head Constr Inspector - DWSD	3	3	3
Prin Construct Inspector-DWSD	4	4	4
Sr Construction Inspector	16	16	16
Construction Inspector	5	5	5
Sewer Systems Sprv Insp	1	1	1
Principal Clerk	1	1	1
Office Assistant III	4	4	4
Senior Clerk	2	2	2
Office Assistant II	3	3	3

**CITY OF DETROIT
MAYOR'S 2007/2008 RECOMMENDED BUDGET**

Sewerage Department

Appropriation Organization Classification	REDBOOK FY 2006 2007 FTE	DEPT REQUEST FY 2007 2008	MAYORS FY 2007 2008 FTE
05831 - Engineering Services - Sewage			
423020 - Engineering Administrative Service			
Clerk	3	3	3
Total Engineering Administrative Services	<u>124</u>	<u>124</u>	<u>124</u>
Total Engineering Services - Sewage	<u>124</u>	<u>124</u>	<u>124</u>
Agency Total	<u><u>1,176</u></u>	<u><u>1,176</u></u>	<u><u>1,176</u></u>