

SEWERAGE (42)

AGENCY PLAN: MISSION, GOALS AND BUDGET SUMMARY

MISSION:

The Water and Sewerage Department is to exceed our customers' expectations through innovative treatment and transmission of water and wastewater, and the provision of services that promote healthy communities and economic growth.

AGENCY GOALS:

The Sewerage Department's goal is to collect and treat wastewater and preserve public health by meeting or exceeding all state, federal and department standards.

AGENCY FINANCIAL SUMMARY:

2012-13 <u>Requested</u>		2011-12 <u>Budget</u>	2012-13 <u>Recommended</u>	Increase (Decrease)
\$ 240,450,045	Departmental Operations	\$ 228,320,549	\$ 240,450,045	\$ 12,129,496
223,870,700	Debt Service	210,879,500	223,870,700	12,991,200
61,376,600	Capital Appropriations	64,242,000	61,376,600	(2,865,400)
13,800,000	Project Borrowings	15,239,000	13,800,000	(1,439,000)
<u>\$ 539,497,345</u>	Total Appropriations	<u>\$ 518,681,049</u>	<u>\$ 539,497,345</u>	<u>\$ 20,816,296</u>
\$ 524,114,345	Departmental Revenues	\$ 498,534,049	\$ 524,114,345	\$ 25,580,296
15,383,000	State Revolving Fund	20,147,000	15,383,000	(4,764,000)
<u>\$ 539,497,345</u>	Total Revenues	<u>\$ 518,681,049</u>	<u>\$ 539,497,345</u>	<u>\$ 20,816,296</u>
\$ -	NET TAX COST:	\$ -	<u>\$ -</u>	\$ -

AGENCY EMPLOYEE STATISTICS:

2012-13 <u>Requested</u>		2011-12 <u>Budget</u>	04-01-12 <u>Actual</u>	2012-13 <u>Recommended</u>	Increase (Decrease)
791	City Positions	1,050	754	791	(259)
791	Total Positions	1,050	754	791	(259)

ACTIVITIES IN THIS AGENCY:

	2011-12 <u>Budget</u>	2012-13 <u>Recommended</u>	Increase (Decrease)
Administrative Services	\$ 16,071,750	\$ 17,005,909	\$ 934,159
Financial Services	6,988,865	6,779,511	(209,354)
Asset Maintenance	27,705,578	26,385,958	(1,319,620)
Engineering Services	2,268,895	1,291,128	(977,767)
Wastewater Operations	147,746,422	161,033,445	13,287,023
Sewerage - Capital and Debt Service	292,123,800	299,047,300	6,923,500
Info Tech & System Integration	12,997,965	14,547,226	1,549,261
Public Affairs Group	11,480,756	12,070,178	589,422
Process & Quality Control Service	1,297,018	1,336,690	39,672
Total Appropriations	<u>\$ 518,681,049</u>	<u>\$ 539,497,345</u>	<u>\$ 20,816,296</u>

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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 three major divisions: Administration, Security, and the Contracts and Grants Division.

The Security Division provides a safe and secure working environment for all DWSD personnel. The Division is responsible for the monitoring and securing of multiple facilities, coordinating responsiveness during hazardous and emergency situations. Additional responsibilities include:

- A range of emergency preparedness measures, actions, and processes
- Loss prevention
- Prevention and detection of unlawful activity and offenses on or within facilities
- Conducting investigations

The Print Shop is a full service, in-house printing facility with the primary function of providing comprehensive, timely, effective, and cost efficient printing and print auxiliary services to the various groups within DWSD. \

The Contracts and Grants Division is divided into four (4) units: Consultant Contracts, Construction Contracts, Grants/Loans/Audits and Design-Build/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 Design-Build/Local Economic Development Unit prepares advertisements and contract documents, monitors progress on contract work, including payment and reports, and provides closeout services. The unit also monitors targeted enterprise participation on contracts, which is mandated by Executive Orders and City Ordinances.

GOALS:

1. To implement the policies of the Board, charter requirements and Federal mandates for supplying water services.
2. To implement a comprehensive agency-wide reference source.
3. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
4. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives and water issues.
5. To continuously carry out proactive public safety measures by enhancing security practices at all facilities based on a vulnerability assessment conducted for the Environmental Protection Agency (EPA).
6. To efficiently and effectively process contracts, grants, and loans.
7. To encourage local businesses to participate in the Department's contracting process.

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ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2009-10 Actual	2010-11 Actual	2011-12 Projection	2012-13 Target
Inputs: Resources Allocated or Service Demands Made:				
Number of grant application/amendments	1	0	0	0
Value of grant applications/amendments	\$1,433,000	\$0	\$0	\$0
Number of State Revolving Loan Fund applications	2	1	1	1
Value of loan applications	\$361,300,000	\$32,200,000	\$15,000,000	\$61,000,000
Wholesale meter maintenance (system total-55)	55	55	55	55
Activity Costs	\$29,679,946	\$18,381,709	\$16,071,750	\$17,005,909

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of the Director Administration	2011-12 Redbook		2012-13 Dept Final Request		2012-13 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00089 - Administration						
421010 - Office of the Director	0	\$374,507	0	\$419,556	0	\$419,556
421030 - Document Management	0	\$0	0	\$0	0	\$0
421040 - General Staff Services	0	\$8,217,546	0	\$9,705,760	0	\$9,705,760
421050 - General Departmental Services	0	\$4,230,287	0	\$3,021,320	0	\$3,021,320
421060 - Human Resources	0	\$24,433	0	\$24,079	0	\$24,079
421065 - Board of Water Commissioners	0	\$0	0	\$129,450	0	\$129,450
421070 - Safety	0	\$0	0	\$0	0	\$0
421080 - Security	0	\$2,565,220	0	\$3,007,595	0	\$3,007,595
421090 - Office of Program Management Assist	0	\$0	0	\$0	0	\$0
421095 - Capital Management	6	\$35,872	3	\$32,499	3	\$32,499
421100 - Print Shop	3	\$152,115	2	\$161,392	2	\$161,392
421200 - Contracts and Grants	0	\$471,770	0	\$504,258	0	\$504,258
APPROPRIATION TOTAL	9	\$16,071,750	5	\$17,005,909	5	\$17,005,909
ACTIVITY TOTAL	9	\$16,071,750	5	\$17,005,909	5	\$17,005,909

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriations - Summary Objects

	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec
AC0542 - Administration Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	1,819,379	2,063,045	2,063,045
EMPBENESL - Employee Benef	1,107,353	1,565,796	1,565,796
PROFSVCSL - Professional/Cor	1,477,870	997,300	997,300
OPERSUPSL - Operating Suppli	212,739	216,183	216,183
OPERSVCSL - Operating Servic	9,146,080	9,146,321	9,146,321
OTHEXPSSL - Other Expenses	2,308,329	3,017,264	3,017,264
<i>A42000 - Sewerage Department</i>	<i>16,071,750</i>	<i>17,005,909</i>	<i>17,005,909</i>
AC0542 - Administration Services	16,071,750	17,005,909	17,005,909
Grand Total	16,071,750	17,005,909	17,005,909

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FINANCIAL SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

The Financial Services Group consists of seven (7) divisions, which provide general accounting, purchasing, materials management, financial planning, capital management, customer billing and management system support 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 departmental internal efforts to perform operational audits of transactions, procedures, and processes in various areas within DWSD, as well as, 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 consists of Stores Operations, Operations Support, Inventory Audit, Management Support, and Employee Support sections. When combined, these sections 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, executes approved policies and procedures regarding inventory control, operates and maintains fuel dispensing and storage systems, stocks materials, creates and tracks new stock numbers, collects waste materials, 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 with the quality specified, and to assure that the department has complied with all federal, state and local laws, statues, ordinances, and executive orders that pertain to the procurement process. To accomplish this mission, the Purchasing Division, under the guidance of the Chief Procurement Officer in the Finance Department, recommends & executes policies and procedures to maintain a fair and equitable bid solicitation process, process emergency purchase order/contract, expedites PO deliveries & field operation usage, and resolves of any conflicts that may result in untimely purchase order supplier payments.

The Capital Management Group prepares and manages the Department's multi-billion dollar Capital Improvement Program (CIP). The CIP is a rolling five year plan to finance capital projects that are grouped together to accomplish the goal of replacing or improving the efficiency and reliability of the Department's water and wastewater facilities and services. Based on DWSD changing needs and challenges to serve its customers, the Capital Management Group (CMG) reviews and makes recommendations to Management on proposed projects submitted for CIP consideration as well as coordinates the efforts in developing project proposals and project execution plans. In addition, the CMG: tracks and analyzes performance and compliance of the CIP on an ongoing basis; communicates information to Management sorted and arranged in ways that will promote efficient and effective decision making; provides financial information and reports concerning the CIP to Management and the Financial Services Group; maintains the central depository for CIP data and information known as the CIPMS database; and assists in incorporating the Department wide, 50 year CIP Master Plan projects in a timely manner.

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Customer Billing and Management System (CBMS) supports various applications and functions of the commercial operations, accounting and finance, meter operations and maintenance and repair divisions within the Department. The CBMS division is responsible for maintenance and functional issues, coordinating system updates/upgrades, and preparing reports that provide financial and operational information. CBMS supports the enQuesta 3E, iNovah Cashiering System, ReportNet and WebConnect.

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, perform employee training, and improve customer service.
3. Maintain and/or strive to achieve revenue bond credit rating 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.
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 result in lower inventory and operational costs while customer service levels are maintained or improved. Inventory management must ensure that 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.
7. To develop and implement a policy and procedure assuring that cost savings is requested and received consistently.
8. To provide policy and procedures training to all divisions within Water & Sewerage.
9. To increase the usage of state of Michigan Cooperative Agreements.
10. To provide a Supplier Outreach to inform suppliers of changes in our procurement process.

MAJOR INITIATIVES FOR FY 2011-12:

- Developed a PO Expediting Process and Delivery Tracking procedure to provide a mechanism for assuring the department that their requirements are being delivered in a timely manner and as per the Contract Language.
- Participated in Train the Trainer Sessions for the Oracle Financials Software provided by Finance Central Purchasing.
- Updated the Water & Sewerage Purchasing Division Policy and Procedures Manual.
- Implemented an E-mailed RFQ process to expedite & receive informal bids.
- Established a bi-weekly Joint Purchasing Meeting schedule with various divisions to problem solve and assure communication is open and consistent.

PLANNING FOR THE FUTURE FOR FY 2012-13, FY 2013-14 and BEYOND:

- Continue to Plan and Develop Educational Workshops for DWSD Staff on the various Procurement Processes and discuss cost saving initiatives.
- Attend the National Institute of Governmental Purchasing (NIGP) Educational Conference in 2012.
- Maintain membership with the NIGP and with the local Professional Chapter M.P.P.O.A.
- Participate in the M.P.P.O.A. Reverse Vendor Trade Fair encouraging vendors to conduct business with the City of Detroit.
- All Senior Buyers/Purchasing Agents have received certification as CPPB (Certified Public Purchases Agents) from the NIGP that are good for several years.
- Continue to develop procedures for expediting the PO process.
- Maintain a purchase requisition processing level in which PO's less than \$25,000 are processed and delivered within 30-45 business days.
- Conduct Oracle Financials Purchasing Module Training Sessions with DWSD staff - Office of Purchasing, Commercial Operations, Asset Maintenance and Materials Management – Warehouse Operations

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FINANCIAL SERVICES MEASURES AND TARGETS

Type of Performance Measure:	2009-10	2010-11	2011-12	2012-13
List of Measures	Actual	Actual	Projection	Target
Inputs: Resources Allocated or Service Demands Made				
DWSD Staff Training Workshops	6	6	6	6
PO's Processed	6,000	6,000	6,300	6,650
Requisitions Assigned	8,000	8,000	8,600	8,700
Activity Costs	\$6,332,561	\$6,921,836	\$6,988,865	6,779,511

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assist Director Financial Service Financial Services Group	2011-12 Redbook		2012-13 Dept Final Request		2012-13 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00090 - Financial Services Group						
422010 - Office of Assist Director Financial Sen	0	\$245,738	0	\$161,828	0	\$161,828
422020 - Financial Administrative Services	0	\$314,018	0	\$284,167	0	\$284,167
422030 - Budget/Fiscal Reporting	0	\$1,977	0	\$1,450	0	\$1,450
422040 - Rates	0	\$239,115	0	\$249,050	0	\$249,050
422080 - General Accounting Administrative Se	0	\$2,803,019	0	\$2,452,511	0	\$2,452,511
422090 - Financial Reporting	0	\$4,598	0	\$4,598	0	\$4,598
422100 - Fixed Assets/Inventory/Payables	0	\$407,216	0	\$290,622	0	\$290,622
422110 - Cash Management	0	\$32,948	0	\$26,610	0	\$26,610
422130 - CBMS Support	0	\$0	0	\$315,532	0	\$315,532
422220 - Purchasing	0	\$653,773	0	\$692,892	0	\$692,892
422230 - Materials Management	0	\$1,586,832	0	\$1,549,620	0	\$1,549,620
422235 - Wastewater Plant Stores	0	\$9,671	0	\$60,671	0	\$60,671
422240 - Sewerage Secondary Stores	0	\$687,058	0	\$687,058	0	\$687,058
422250 - Operations Support	0	\$776	0	\$776	0	\$776
422255 - Inventory Audit	0	\$1,350	0	\$1,350	0	\$1,350
422260 - Automotive Stores	0	\$776	0	\$776	0	\$776
APPROPRIATION TOTAL	0	\$6,988,865	0	\$6,779,511	0	\$6,779,511
ACTIVITY TOTAL	0	\$6,988,865	0	\$6,779,511	0	\$6,779,511

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriations - Summary Objects

	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec
AC1042 - Financial Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,354,807	2,538,933	2,538,933
EMPBENESL - Employee Benef	1,926,351	1,929,801	1,929,801
OPERSUPSL - Operating Suppli	12,955	63,955	63,955
OPERSVCSL - Operating Servic	686,030	686,030	686,030
CAPOUTLSL - Capital Outlays/In	1,380	1,380	1,380
OTHEXPSSL - Other Expenses	2,007,342	1,559,412	1,559,412
<i>A42000 - Sewerage Department</i>	6,988,865	6,779,511	6,779,511
AC1042 - Financial Services	6,988,865	6,779,511	6,779,511
Grand Total	6,988,865	6,779,511	6,779,511

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ASSET MAINTENANCE GROUP ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ASSET MAINTENANCE GROUP

The Asset Maintenance Group provides maintenance and repair to equipment, facilities and water and sewer infrastructure owned and operated by the Detroit Water and Sewerage Department. It also provides maintenance support services to internal customers such as Water Supply, Systems Control, and other operating Divisions within the Department.

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

The Maintenance and Repair (M&R) Division repairs and maintains the wastewater collection system. The Division is comprised of four (4) districts that maintain all associated appurtenances such as catch basins, sewer manholes, cleanouts, sewer siphons, and storm water lead lines. Also, integral to M&R are the Telecommunications Section, Claims Section, Dispatch Section, and Field Inspection Section, providing quality services to the Department's nearly 4 million customers.

GOALS:

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

1. Maintain high level of pumping equipment availability and reliability for the maximum utilization of the sewage pumping stations.
2. Maintain aesthetic and professional appearance of buildings and grounds of unmanned sewage pumping stations.
3. Improve employee 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 Repair Division's goals are:

1. Responsibly manage and maintain the City of Detroit sewer collection system.
2. Protect public health and safety and the environment by responsibly conveying sewage to the wastewater treatment plant.
3. Proactively maintain the sewer collection system infrastructure so as to minimize disruption to the residents and businesses of Detroit.
4. Further develop divisional training to reduce lost time accidents, and to provide for organized succession of divisional leadership.
5. Establish preventive maintenance programs to improve efficiency.

MAJOR INITIATIVES FOR FY 2011-12: (Mechanical Maintenance Division)

- Refurbish Sanitary Pumps #1 and #5 at Northeast Sanitary Pumping station.
- Refurbished Sanitary Pumps # 1 and #4 at Fairview Sanitary Pumping station. Refurbished Motor #2. Refurbish Pump#3.
- Refurbished Sanitary pump # 10 at Connors Sewage Pumping Station.
- Demolished existing dilapidated Sludge holding Pit & constructed a new pit at C.S.F.

PLANNING FOR THE FUTURE FOR FY 2012-13, FY 2013-14 and BEYOND:

- Refurbish and convert all four of the existing Sanitary Pumps from Packed Stuffing box design to Mechanical seals.
- Design and construct new Manhole retaining rings and covers to the existing corroded Units at Freud Storm and Sanitary station.

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ASSET MAINTENANCE MEASURES AND TARGETS

Type of Performance Measure:	2009-10	2010-11	2011-12	2012-13
List of Measures	Actual	Actual	Projection	Target
Units of Activity directed toward Goals				
Sites Maintained	55	55	54	54
Acreage Maintained	350	350	350	350
Vehicle Repairs performed	1,300	2,064	2,400	3,200
Catch Basins Cleaned	3,821	3,851	4,000	4,000
Miles of Sewers Cleaned by DWSD Employees	90	338	250	250
Miles of Sewers Cleaned by Contractors	15	74	50	50
Activity Costs	\$20,714,415	\$27,768,774	\$27,705,578	\$26,385,958

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director Asset Maintainer Asset Maintenance Group	2011-12 Redbook		2012-13 Dept Final Request		2012-13 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00161 - Asset Maintenance Group						
424010 - Office of Assistant Director Asset Maint	0	\$626,579	0	\$496,404	0	\$496,404
424120 - Mechanical Operations Administration	0	\$4,883,697	0	\$4,945,914	0	\$4,945,914
424130 - Ground Maintenance	0	\$18,855	0	\$18,855	0	\$18,855
424140 - Field Operations	0	\$2,583,717	0	\$2,458,797	0	\$2,458,797
424150 - Mechanical Maintenance	0	\$1,740,316	0	\$1,533,399	0	\$1,533,399
424190 - Water Board Building	0	\$1,624,022	0	\$1,520,128	0	\$1,520,128
424240 - Maintenance and Repair 2004	0	\$14,964,390	0	\$14,150,437	0	\$14,150,437
424360 - Central Service Facility	0	\$1,264,002	0	\$1,262,024	0	\$1,262,024
APPROPRIATION TOTAL	0	\$27,705,578	0	\$26,385,958	0	\$26,385,958
ACTIVITY TOTAL	0	\$27,705,578	0	\$26,385,958	0	\$26,385,958

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriations - Summary Objects

	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec
AC1542 - Asset Management			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	8,838,865	9,321,038	9,321,038
EMPBENESL - Employee Benef	7,212,632	7,056,129	7,056,129
PROFSVCSL - Professional/Cor	7,245,575	5,561,400	5,561,400
OPERSUPSL - Operating Suppli	1,308,063	2,657,499	2,657,499
OPERSVCSL - Operating Servic	1,066,421	642,656	642,656
CAPEQUPSL - Capital Equipme	2,759	2,759	2,759
CAPOUTLSL - Capital Outlays/In	386,246	386,246	386,246
OTHEXPSSL - Other Expenses	1,645,017	758,231	758,231
<i>A42000 - Sewerage Department</i>	27,705,578	26,385,958	26,385,958
AC1542 - Asset Management	27,705,578	26,385,958	26,385,958
Grand Total	27,705,578	26,385,958	26,385,958

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 consists of four (4) broad functional groups: Engineering/Administrative Support, Facilities Design, Urban and Suburban Plan Review, and Field Engineering. A description of each group follows:

The Engineering Administrative Support Group is headed by the Assistant Director of Engineering Services. This person acts as general manager providing overall guidance and direction to the four (4) subgroups. The Superintendent of Engineering guides execution of the day-to-day engineering/contract activities. The Engineering and Administrative Support section provides general support to the Division's other three (3) 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 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 field engineering staff efforts for projects related to Department locations and facilities excluding the Wastewater Treatment Plant and sewage pumping stations. This group services all design work related to water production, pumping, metering and storage facilities.

The Urban and Suburban Plan Review Group directs and coordinates the review plans. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system.

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; provides construction inspection services to the Wastewater Design and Construction Group as necessary to support that group's efforts; insures the structural integrity of systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the Miss Dig system.

GOALS:

1. To perform the related functions of these divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To evaluate new technologies so their impacts are fully anticipated, understood, and considered prior to design
3. To identify the major engineering safety feature for new technology.
4. To insure that all engineering designs are in compliance with all federal, state and local agency requirements
5. To manage contracts within the budget and time.
6. To meet communities for development of the projects as required.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Engineering Engineering Services - Sewage	2011-12 Redbook		2012-13 Dept Final Request		2012-13 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
05831 - Engineering Services - Sewage						
423010 - Office of Assistant Director of Enginee	0	\$219,209	0	\$171,732	0	\$171,732
423020 - Engineering Administrative Services	61	\$1,907,813	6	\$1,001,134	6	\$1,001,134
423030 - Field Engineering Group	0	\$118,262	0	\$118,262	0	\$118,262
423040 - Wastewater Design	0	\$11,942	0	\$0	0	\$0
423050 - Sewerage System	0	\$11,669	0	\$0	0	\$0
APPROPRIATION TOTAL	61	\$2,268,895	6	\$1,291,128	6	\$1,291,128
ACTIVITY TOTAL	61	\$2,268,895	6	\$1,291,128	6	\$1,291,128

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriations - Summary Objects

	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec
AC2042 - Engineering Services - Sewage			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	128,224	316,765	316,765
EMPBENESL - Employee Benef	1,412,539	240,609	240,609
OPERSUPSL - Operating Suppli	20,336	52,238	52,238
OPERSVCSL - Operating Servic	510,381	510,629	510,629
OTHEXPSSL - Other Expenses	197,415	170,887	170,887
<i>A42000 - Sewerage Department</i>	<i>2,268,895</i>	<i>1,291,128</i>	<i>1,291,128</i>
AC2042 - Engineering Services - Sewage	2,268,895	1,291,128	1,291,128
Grand Total	2,268,895	1,291,128	1,291,128

SEWERAGE (42)

WASTEWATER OPERATIONS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: WASTEWATER OPERATIONS GROUP

The Wastewater Operations Group consists of the Wastewater Treatment Plant (WWTP), Combined Sewer Overflow (CSO) Facilities, Industrial Waste Control Division (IWC) and Engineering Division. Engineering provides design, process, and construction services to the Wastewater Treatment Plant and CSO facilities. The Engineering Division consists of three (3) sections: Wastewater Design, CSO Control, and Wastewater Construction.

A description of each group follows:

The Wastewater Treatment Plant includes the operations controlling the hydraulic load of wastewater, the removal and disposal of solids collected from wastewater, disinfection of the wastewater and maintenance of the facilities in a manner that assures compliance with the plant's Renewable Operating Permit (ROP) and National Pollutant Discharge Elimination System (NPDES) Permit. To maintain regulatory compliance, the plant's Operations and Maintenance staff is supported by groups that provide laboratory analysis of treatment plant and industrial waste samples, clerical support, employee training, maintenance task planning/scheduling and engineering analysis and solutions.

The CSO Facilities discharge to the Detroit and Rouge Rivers and are treated at five (5) CSO Retention Facilities providing capture, primary settling, disinfection and three (3) CSO Screening & Disinfection facilities providing screening and disinfection for both the Detroit and Rouge Rivers. WWTP staff operates and maintains these facilities.

The Industrial Waste Control Division regulates the discharge of wastewater into the sewer system from commercial, industrial and other non-domestic sources. These activities include on-site inspections of facility operations, monitoring of wastewater discharges, issuing permits with applicable requirements and controls, and enforcement of the City of Detroit Code at Chapter 56, Article III, Division 3, and applicable federal and state laws.

The Wastewater Design Section is responsible for all design related to the Wastewater Treatment Plant and sewage booster stations, and provides support to Wastewater Operations and Maintenance in complying with regulatory requirements for wastewater discharge, air emission and Renewal Operation Procedures (ROP). The section also manages consultant design, prepares some in-house designs, and provides assistance to the construction group during the construction phase of the project. The group also prepares maintenance design work as needed to help the plant maintenance group. The group is involved in reviewing and assisting in preparation of yearly WWTP Need Assessments and prepares Capital Improvement Project Proposal for the inclusion into CIP.

The Wastewater Construction Section is responsible for all construction of improvements and additions at the WWTP, and sewage lift stations. 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 **Combined Sewer Overflow (CSO) Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications by outside consultants and internal staff as related to the Detroit's Long Term CSO Control Plan as mandated by the National Pollutant Discharge Elimination System (NPDES) permit requirements. Capital improvements to the wastewater collection system facilities such as pump stations, retention basins, screening/disinfection facilities, and in-system storage facilities are evaluated, designed, constructed, and analyzed.

SEWERAGE (42)

GOALS:

Wastewater Treatment Plant

1. Produce a quality effluent in compliance with the NPDES Permit MI0022802.
2. Manage residuals processing and disposal.
3. Achieve regulatory compliance in an effective and efficient manner.
4. Manage the Capital Improvement Program to facilitate long-term operations, maintenance and regulatory compliance goals.

MAJOR INITIATIVES FOR FY 2011-12:

- As part of a departmental initiative, align job duties and job classifications to meet current day requirements in support of efficient and effective operations.
- Increase number of licensed wastewater operators to 30%.
- Complete installation of all equipment identified for replacement as part of the Scheduled Replacement Program.
- Align maintenance practices to achieve 80% planned and 20% unplanned corrective work order completion.
- Perform minimum 75% all preventive maintenance work orders.
- Maintain a minimum 90% availability of all major operating equipment.
- Commence predictive maintenance initiatives including oil analysis, thermography on heavy electrical equipment, and vibration testing on rotating equipment.

PLANNING FOR THE FUTURE FOR FY 2012-13, FY 2013-14 and BEYOND:

- Develop and obtain approval of a Long Term Solids Disposal Plan.

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 2011-12:

- Prepare documentation and materials needed to support the NPDES Permit MI0022832 re-application request.
- Review existing ordinance for compliance with current state and federal requirements and recommend improvements, if any.

PLANNING FOR THE FUTURE FOR FY 2012-13, FY 2013-14 and BEYOND:

- Participate, as needed, in NPDES permit negotiations.

SEWERAGE (42)

GOALS:

Engineering

1. Engage our customers from development through completion of all proposed projects.
2. Provide technical support to the WWTP in complying with regulatory requirements for wastewater discharge, air emissions monitoring and biosolid disposal.
3. Insure that all sewage disposal and wastewater facilities are constructed in conformity with the plans and specifications, and those specifications are functional.
4. Identify the major engineering safety features for new technologies.
5. Manage contracts within the approved budget and time.
6. Evaluate new technologies so their impacts are fully anticipated, understood, and considered prior to design.
7. Insure that all engineering designs are in compliance with all federal, state and local agency requirements.

MAJOR INITIATIVES FOR FY 2011-12:

- As part of a departmental initiative, align job duties and job classifications to meet current day requirements in support of efficient and effective operations.
- Commence major capital projects to improve dewatering capacity, process capacity, and chemical usage efficiency.
- Commence and complete a Needs Assessment for the WWTP, CSO facilities, and sewage pumping facilities located throughout the collection system.

PLANNING FOR THE FUTURE FOR FY 2012-13, FY 2013-14 and BEYOND:

- Continue to improve the licensing and training efforts as part of an overall succession planning initiative.
- Obtain and implement a beneficial reuse for the biosolids produced at the WWTP.
- Evaluate plant's rated capacity against operational constraints in all major process areas.

SEWERAGE (42)

WASTEWATER OPERATIONS MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2009-10 Actual	2010-11 Actual	2011-12 Projection	2012-13 Projection
Outputs: Units of Activity directed toward Goals				
Average sewage pumped per day (MGD)	619	650	680	680
Sludge produced (wet tons)	680,632	630,300	661,000	650,000
Tons of materials incinerated (wet)	523,378	507,400	532,200	530,000
Tons of materials land filled or land applied (wet)	159,939	126,100	132,200	120,000
Number of Facility Inspections	4,000	4,000	4,000	4,000
Number of Industrial Pretreatment Program Permits	295	300	305	300
Number of Special Discharge & HIW Permit	90	90	90	90
Number of Notices of Exceedence and Violations	360	400	400	400
Number of Conferences and Administrative hearings	51	40	40	40
Number of Civil Actions Initiated	0	0	0	0
Value of Penalties/Fees Assessed	50,000	50,000	50,000	75,000
Number of Samples Collected	10,500	10,000	9,500	9,500
Activity Costs	\$207,526,501	\$141,035,566	\$147,746,422	\$161,033,445

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Wastewater Wastewater Plant Operations	2011-12 Redbook		2012-13 Dept Final Request		2012-13 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00162 - Wastewater Plant Operations						
425010 - Office of Assistant Director of Wastew	7	\$3,218,992	5	\$2,253,896	5	\$2,253,896
425020 - Plant Administration	797	\$56,476,729	665	\$63,474,209	665	\$63,474,209
425030 - Analytical Laboratory	0	\$1,224,901	0	\$1,272,300	0	\$1,272,300
425040 - Control System Engineering	0	\$106,913	0	\$0	0	\$0
425060 - Document Control	0	\$38,892	0	\$36,600	0	\$36,600
425070 - Treatment Plant Maintenance	0	\$14,242,366	0	\$12,985,160	0	\$12,985,160
425080 - Operations Laboratory	0	\$180,044	0	\$238,500	0	\$238,500
425090 - Operating Technical Group	0	\$1,840	0	\$0	0	\$0
425100 - Process Engineering	0	\$2,623,042	0	\$2,339,800	0	\$2,339,800
425110 - Training	0	\$0	0	\$0	0	\$0
425120 - Treatment Operations	0	\$54,372,313	0	\$62,482,019	0	\$62,482,019
425130 - Industrial Waste Control Administratio	0	\$513,912	0	\$665,100	0	\$665,100
425140 - I. W. C. Field Monitoring	104	\$6,171,510	59	\$4,861,953	59	\$4,861,953
425150 - I. W. C. Program Operations	0	\$674,702	0	\$1,411,800	0	\$1,411,800
425395 - Puritan / Fenkell	43	\$2,968,525	29	\$2,931,874	29	\$2,931,874
425400 - 7 Mile	0	\$140,849	0	\$36,069	0	\$36,069
425410 - Hubble / Southfield	0	\$518,212	0	\$336,243	0	\$336,243
425420 - Leib - CSO	0	\$159,796	0	\$85,422	0	\$85,422
425425 - St. Aubin - CSO	0	\$98,655	0	\$45,400	0	\$45,400
425430 - Inspection & Permits	0	\$93,913	0	\$77,500	0	\$77,500
425440 - Enforcement, Field Investigation & Mc	0	\$27,589	0	\$30,000	0	\$30,000
425450 - Revenue Program & Pollution Prevent	0	\$16,641	0	\$18,000	0	\$18,000
425465 - Connor Creek CSO Basin	0	\$678,380	0	\$2,201,800	0	\$2,201,800
425470 - Baby Creek CSO Basin	0	\$491,659	0	\$435,000	0	\$435,000
425475 - Oakwood CSO Basin	0	\$203,986	0	\$395,000	0	\$395,000
425480 - Belle Isle CSO Basin	0	\$92,492	0	\$44,800	0	\$44,800
425485 - Green Infrastructure	0	\$2,409,569	0	\$2,375,000	0	\$2,375,000
APPROPRIATION TOTAL	951	\$147,746,422	758	\$161,033,445	758	\$161,033,445
ACTIVITY TOTAL	951	\$147,746,422	758	\$161,033,445	758	\$161,033,445

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriations - Summary Objects

	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec
AC2542 - Sewer Operations			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	35,918,600	39,342,935	39,342,935
EMPBENESL - Employee Benef	26,761,562	29,365,567	30,390,260
PROFSVCSL - Professional/Cor	32,765,810	36,633,000	36,633,000
OPERSUPSL - Operating Suppli	19,137,635	18,958,169	18,958,169
OPERSVCSL - Operating Servic	32,858,417	36,218,474	36,218,474
OTHEXPSSL - Other Expenses	304,398	515,300	(509,393)
<i>A42000 - Sewerage Department</i>	<i>147,746,422</i>	<i>161,033,445</i>	<i>161,033,445</i>
AC2542 - Sewer Operations	147,746,422	161,033,445	161,033,445
Grand Total	147,746,422	161,033,445	161,033,445

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, tunnel and other CSO control measures throughout the combined sewer system; sewer meter replacement; replacing or relining deteriorated lateral sewers in the city of Detroit; installing new sewers or re-routing existing sewers to accommodate new development throughout Detroit; 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 overflow facilities, 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. Constructing interceptors and control facilities needed to adequately service all customers, and replacing and rehabilitating measuring devices and meter pits to more accurately measure and bill for wastewater treatment service provided.
4. Continuing to replace deteriorated lateral sewers in the city of Detroit.
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	2009-10 Actual	2010-11 Actual	2011-12 Projection	2012-13 Target
WWTP – Primary Treatment (6 projects)	4 \$0	1 \$281,994	4 \$5,342,000	7 \$18,895,000
WWTP – Secondary Treatment (5 projects)	4 \$126,000	1 \$1,668,546	3 \$6,811,000	3 \$7,897,000
WWTP – Solids Handling (3 projects)	6 \$376,328	3 \$3,417,241	6 \$17,770,000	6 \$29,227,000
WWTP – Disinfection (2 projects)	3 \$8,301,494	1 \$629,698	3 \$2,656,000	3 \$9,506,000
WWTP – General Purpose (32 projects)	31 \$16,357,675	14 \$12,162,934	22 \$18,536,000	14 \$27,291,000
Facility – Sewer Interceptor System (3 projects)	2 \$0	0 \$0	2 \$823,000	1 \$1,300,000
Facility – Combined Sewer System (26 projects)	21 \$62,528,507	11 \$41,842,370	16 \$35,793,000	5 \$4,828,000
Facility – Lateral Sewer Replacement (10 projects)	9 \$20,134,690	7 \$4,527,722	8 \$35,947,000	3 \$44,200,000
Facility – Planning and Administration (15 projects)	7 \$14,713,737	1 \$319,754	4 \$1,882,000	3 \$2,000,000
Total Number of Projects	87	39	68	45
Total Value of Projects	\$122,538,431	\$102,850,259	\$292,123,800	\$299,047,300

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Bond Principle & Interest Redemption Fur Interest and Bond Redemption	2011-12 Redbook		2012-13 Dept Final Request		2012-13 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00168 - Interest and Bond Redemption						
427010 - Bond Principle & Interest Redemption	0	\$210,879,500	0	\$223,870,700	0	\$223,870,700
APPROPRIATION TOTAL	0	\$210,879,500	0	\$223,870,700	0	\$223,870,700
00169 - Sewerage System Improvements						
427030 - Sewerage System Improvements	0	\$64,242,000	0	\$57,040,900	0	\$57,040,900
APPROPRIATION TOTAL	0	\$64,242,000	0	\$57,040,900	0	\$57,040,900
00443 - Extraordinary Repairs and Replacement						
427040 - Extraordinary Repair & Replacement	0	\$1,763,300	0	\$1,136,800	0	\$1,136,800
APPROPRIATION TOTAL	0	\$1,763,300	0	\$1,136,800	0	\$1,136,800
05735 - Sewerage Reserve Deposit						
427025 - Sewerage Reserve Deposit	0	\$0	0	\$3,198,900	0	\$3,198,900
APPROPRIATION TOTAL	0	\$0	0	\$3,198,900	0	\$3,198,900
12139 - Sewerage Bond Fund Series 2007						
427227 - Sewerage Bond Fund Series 2007	0	\$15,239,000	0	\$13,800,000	0	\$13,800,000
APPROPRIATION TOTAL	0	\$15,239,000	0	\$13,800,000	0	\$13,800,000
ACTIVITY TOTAL	0	\$292,123,800	0	\$299,047,300	0	\$299,047,300

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriations - Summary Objects

	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec
AC3042 - Sewerage - Capital and Debt Service			
<i>A42000 - Sewerage Department</i>			
CAPEQUPSL - Capital Equipme	8,500,000	8,500,000	8,500,000
OTHEXPSSL - Other Expenses	72,744,300	66,676,600	66,676,600
FIXEDCHGSL - Fixed Charges	210,879,500	223,870,700	223,870,700
<i>A42000 - Sewerage Department</i>	<i>292,123,800</i>	<i>299,047,300</i>	<i>299,047,300</i>
AC3042 - Sewerage - Capital and Debt Ser	292,123,800	299,047,300	299,047,300
Grand Total	292,123,800	299,047,300	299,047,300

SEWERAGE (42)

INFORMATION TECHNOLOGY AND SYSTEMS INTEGRATION AND OPERATION ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: INFORMATION TECHNOLOGY AND SYSTEMS INTEGRATION AND OPERATION

The Information Technology and Systems Integration and Operation Group consists of three (3) divisions and three (3) sections, which brings together many systems critical to DWSD to form a network of electronic and digital data systems that support the overall operation of the Department and reduce energy cost, especially the distribution of potable water and the collection of sewage for treatment. The divisions reporting to the Information Technology and Systems Integration and Operation Group include the following:

Process Networks and SCADA Systems (PN&SS) Division supports various operations within the Department and provides Supervisory Control and Data Acquisition network and hardware oversight and maintenance for the water distribution system and wastewater collection system to assure the efficient operation of the DWSD Systems Control Center (SCC). PN&SS coordinates implementing enhancements to be made to the control and monitoring operation of SCC, Water Treatment Plants, Wastewater Treatment Plant, and the distribution and collection systems. PN&SS provides Security with network communications support via Opt-E-MAN for the wide-area network and internal switching for the local area network.

Network/Infrastructure Section performs maintenance, monitors internal and external network security threats and develops migration plans for the many critical systems and sub-systems that make up the network infrastructure that DWSD relies on for financial, process and communication transactions. The Network Group manages the maintenance, new installations and service outages for the primary (OPT-E-MAN) and secondary (PNT) communication paths for DWSD. The Network Group provides maintenance and repair services for the telecommunication systems throughout the Department (networks (LAN/WAN), telephones).

Infrastructure Group supports and maintains the 800 MHz and 900 MHz radio networks that are critical systems within the Department and provides resources to various divisions for any as needed low voltage tasks. The Infrastructure Group monitors the integrity of the 900 MHz radio system to provide the optimum connectivity for the data availability for the WAMR System.

Geographic Information Systems (GIS) Section provides all DWSD stakeholders with electronic access to engineering drawings, maps, records, tables, aerial photography, and other geographically referenced information through an intranet based interface. A powerful desktop GIS tool (DWSD Spatial Data Management System) allows privileged users to create, update and query data.

Security Networks Section supports a robust network which the Security Division uses to provide all DWSD employees, contractors and visitors with electronic access to DWSD facilities. The functional security network contains badge access and security cameras to provide a safe and secure environment for all DWSD employees, contractors and visitors.

Information Technology Division manages, maintains and services; servers, computers, and application software used in the business network for the Department. It also supports systems such as EMPAC and CBMS. This division is made up of three sections; technology programs, enterprise applications and architecture/security.

Systems Control Center Division is directly responsible for pumping treated water to 126 communities and providing wastewater collection services to 78 communities. It remotely operates 20 water pumping stations for the water distribution system and 9 sewage pumping stations for the wastewater collection system from the new Systems Control Center (SCC). SCC has the flexibility to meet changing water demands, to adapt to variations of wastewater flow and to generate valuable data of conditions occurring throughout the system. The SCC operates within guidelines of State of Michigan Regulatory Agencies.

SEWERAGE (42)

GOALS:

1. Continue to minimize process downtime due to systems failure and ensure collection of regulatory required data.
2. Ensure that new process control systems follow DWSD control and regulatory standards.
3. Ensure that data incorporated into the GIS is accurate, current, complete and compatible.
4. Create custom maps and tables graphics driven by customer requests.
5. Be the driving force behind making GIS the map and records drawings repository.
6. Improve the quality of Information Systems services delivered to DWSD personnel.
7. Reduce the “unit cost” of delivering services.
8. Improve communications with the department generally.
9. Provide the customers with adequate pressures and flows of treated water.
10. Operate the wastewater collection system to maximize treatment and minimize combined sewer overflows.
11. Develop calibration procedures for process controls instruments as needed.
12. Reduce operational and capital outlays and expenditures.
13. Improve System Availability.
14. Reduce Server Footprint.
15. Disaster Recovery Policy and Procedure Development.
16. Staff Development Initiative to improve staff skill levels.
17. Greening of IT Devices to reduce power consumption.

MAJOR INITIATIVES FOR FY 2011-12:

PNSS Division

- Have completed the design and installation of secondary power sources to the Ovation Control Systems at WWTP, Baby Creek CSO and Conner Creek CSO.
- Have achieved 90% completion on the Installation of new Control Systems at Hubbell/Southfield and Puritan/Fenkell CSO facilities.
- Have completed the design for the integration of the dewatering process an area into the Ovation Control System, construction is 70% complete / Installation and testing to be done.
- Upgrade the Ovation Control Systems at WWTP and Conner CSO, Conner Pump Station and Freud Pump Station.
- DMT Electrical Substation Power Monitoring design is complete. Installation to begin in Jan 2012.
- Have completed the consolidation of the remote node controls cabinets at Conner CSO to reduce maintenance and hardware replacement costs.
- Currently working on the 7 Mile CSO Control System HMI upgrade.

SCC Division

- Develop and implement water distribution optimization strategy.
- Develop and implement real-time pump optimization.
- Implement use of hydraulic modeling for operations.
- Update Operations and Maintenance manuals for TWTS, WWCS and remote facilities.
- Continue to install power meters at major DWSD facilities.
- Develop and implement Electric Demand Management for Water Treatment Plant, Water Booster Stations, Wastewater Treatment Plant and Sewer Stations.
- Continue to retrofit lighting at all the DWSD facilities.

Information Technology Division

- Standardize project management methodology.
- Project Plan and Visual Representations for Server Consolidation Data Domain.
- Implementation of EMC Data replication.
- Server Consolidation.
- HP Data Protector and Data Domain Implementation.
- Reengineer process and systems of: identity management, IT procurement, IT asset management.
- Develop Service Delivery Model.
- Standardize project management methodology.
- Support the replacement of EMPAC with Oracle WAM Software application.

SEWERAGE (42)

PLANNING FOR THE FUTURE FOR FY 2012-13, FY 2013-14 and BEYOND:

- Design and install secondary power at the remaining seven CSO facilities.
- Integrating all CSO sites to the control network and have overview information available at Systems Control Center and WWTP.
- Consolidate the Historical databases throughout the department and have one historical database system (excluding Water Works Park and Incineration regulatory systems).
- Replace the controls and motors for the four (4) Sharple dewatering units and integrate them to the control system.
- Upgrade the Control System HMI at Lieb and St Aubin CSO facilities.
- Evaluate the existing control panels at the CSO and WWTP facilities and seek compliance with the revised regulatory and codes that applies to DWSD applications.
- Transition the maintenance workload performed by PC-713 to DWSD, requiring additional DWSD personnel.
- Hire additional staff to support the ITSIO.

SEWERAGE (42)

*INFORMATION TECHNOLOGY AND SYSTEMS INTEGRATION
AND OPERATION MEASURES AND TARGETS*

Type of Performance Measure:	2009-10	2010-11	2011-12	2012-13
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals				
Average Time to Resolve Help Desk Tickets	10	10	7	7
Activity Costs	\$10,387,356	\$11,162,570	\$12,997,965	\$14,547,226

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Asst Dir - Info Tech & Sys Integration & O	2011-12		2012-13		2012-13	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
Info Tech & Systems Integration & Org:						
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
12449 - Info Tech & Systems Integration & Organiz						
421011 - Asst Dir - Info Tech & Sys Integration	0	\$347,544	0	\$215,024	0	\$215,024
421014 - Geographic Information Systems (GIS	0	\$387,760	0	\$127,262	0	\$127,262
421016 - Process Networks and SCADA System	0	\$1,987,235	0	\$1,223,972	0	\$1,223,972
421018 - Radio/SCADA Infrastructure Support	0	\$371,264	0	\$1,185,253	0	\$1,185,253
421115 - Information Systems Administrative S	0	\$3,052,618	0	\$2,227,007	0	\$2,227,007
421125 - Applications Support	0	\$118,663	0	\$132,500	0	\$132,500
421135 - Software Support	0	\$251,019	0	\$89,500	0	\$89,500
421145 - Hardware Support	0	\$786,482	0	\$806,000	0	\$806,000
421155 - Strategic Planning	0	\$27,384	0	\$41,250	0	\$41,250
421165 - Network Support	0	\$919,783	0	\$351,324	0	\$351,324
421285 - Systems Operations Control	0	\$2,860,744	0	\$3,474,564	0	\$3,474,564
421305 - Operational Services	0	\$44,301	0	\$34,395	0	\$34,395
421311 - Pumping Station - Belle Isle	0	\$73,518	0	\$164,000	0	\$164,000
421316 - Pumping Station - Blue Hill	0	\$92,304	0	\$486,113	0	\$486,113
421321 - Pumping Station - Brennan Pools	0	\$4,512	0	\$92	0	\$92
421336 - Pumping Station - Conner	0	\$558,781	0	\$880,513	0	\$880,513
421341 - Pumping Station - Fairview	0	\$433,297	0	\$806,900	0	\$806,900
421346 - Pumping Station - Fisher	0	\$4,870	0	\$17,000	0	\$17,000
421351 - Pumping Station - Fox Creek	0	\$6,434	0	\$3,300	0	\$3,300
421356 - Pumping Station - Freud	0	\$153,056	0	\$1,135,000	0	\$1,135,000
421366 - Pumping Station - Northeast	0	\$177,898	0	\$943,600	0	\$943,600
421371 - Pumping Station - Oakwood	0	\$85,319	0	\$114,000	0	\$114,000
421381 - Pumping Station - Woodmere	0	\$253,179	0	\$88,657	0	\$88,657
APPROPRIATION TOTAL	0	\$12,997,965	0	\$14,547,226	0	\$14,547,226
ACTIVITY TOTAL	0	\$12,997,965	0	\$14,547,226	0	\$14,547,226

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriations - Summary Objects

	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec
AC3542 - IT & Systems Integration - Sewer			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,560,695	2,365,671	2,365,671
EMPBENESL - Employee Benef	2,075,350	1,792,145	1,792,145
OPERSVCSL - Operating Servic	1,842,493	4,638,875	4,638,875
OTHEXPSSL - Other Expenses	6,519,427	5,750,535	5,750,535
<i>A42000 - Sewerage Department</i>	<i>12,997,965</i>	<i>14,547,226</i>	<i>14,547,226</i>
AC3542 - IT & Systems Integration - Sewe	12,997,965	14,547,226	14,547,226
Grand Total	12,997,965	14,547,226	14,547,226

SEWERAGE (42)

PUBLIC AFFAIRS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: PUBLIC AFFAIRS GROUP

The role of the Public Affairs Group is to support the mission and goals of the department. The Public Affairs Group is responsible for carrying out the policies of the Board of Water Commissioners and the business management of the department. This group consists of three (3) major divisions: Public Affairs, Commercial Operations and Meter Operations.

The Public Affairs Division is responsible for developing and implementing strategic communication initiatives that raise awareness of important DWSD activities and programs, and provide for two-way communication on issues important to department stakeholders. This includes compiling and disseminating public information and materials relative to the department's activities through multimedia, DWSD website, audiovisual, customer, community and media relations, and marketing to better provide retail and wholesale customers, and all state and national stakeholders accurate and up to date information regarding the Water and Sewerage Department. Public Affairs Division 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. Public Affairs manages the department's wholesale water and sewerage customer community outreach program.

The Commercial Operations 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, schedule 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.

GOALS:

1. To implement a comprehensive agency-wide reference source.
2. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
3. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives, and water issues.
4. To increase self-service delivery options to the retail customer base.
5. Commercial Operations will continue employee training and activities for implementation of all applications of the Customer Billing and Management System to ensure improved customer service, revenue billing and collection efforts. This will reduce service time for Customer Service Representatives and improve service delivery to customers. Additionally, several new processes will be introduced to improve the collectability of debt along with better monitoring and follow up on delinquent accounts. The division will also work with various mortgage and property management companies to reduce the wait time for water shut offs, in an effort to stem potential water wastage from vacant/foreclosed properties.
6. The Meter Operations Division goals are to increase residential, commercial/industrial and suburban water and wastewater meter reading accuracy. Improve the billing and revenue collection stream, by eliminating meter outages through preventative maintenance schedules, and calibrating and maintaining all the meters installed in the system.

SEWERAGE (42)

MAJOR INITIATIVES FOR FY 2011-12:

- Begin payment acceptance of debit/credit cards at customer service center locations.
- Ongoing development of information programs for new customer service benefits in order to increase customer satisfaction and reduce demands on customer service representatives and centers.
- Continue to raise awareness of DWSD assistance programs, including budget plan.
- Continue to build the library of online resources available to wholesale and retail customers to enhance communication and reduce demands on staff resources.
- Develop and launch special section for “green technologies,” on DWSD website.
- Work with DWSD leadership to educate newly-elected officials about DWSD, its roles and responsibilities, and issues facing water and sewer utilities locally and at the national level.
- Implement Google Language Translator and Search Engine on the DWSD website.
- Develop a "Storm Water" page for DWSD website to educate and explain to customers the "drainage charge on their water and sewer bills and why it is so important to manage storm water.
- Continue relationship with wholesale customers through established partnerships set up through the DWSD Technical Advisory Committee (TAC) and the Steering Committee (SC).
- Update strategic communication initiatives to proactively address issues arising from a new state administration, reconfigured BOWC, new director's leadership goals.
- Support all planned customer service improvements through direct customer communication and education, direct mailings, and video streaming library on DWSD website.
- Implement Bill to Name procedures to place actual owner/occupant name on all accounts.
- Improve the collectability of debt through modifications to business practices to capture and maintain customer information.
- Implement Storm Water Drainage Module to enhance billing along with having the Customer Billing and Management System (CBMS) mirror the Geographic Information System (GIS) parcel information to insure all accounts, within the City of Detroit, are billed the appropriate Storm Water Drainage Charges.
- Implement the Landlord Tenant Module, which is designed to better manage Landlord Tenant Agreements with payment compliance monitoring. Non-compliance will result in the Landlord Tenant Agreement being defaulted.
- Reduce the number of accounts referred to the City of Detroit Treasurer.
- Evaluate and award contract CS 1507 Enhanced Collection Services.
- Evaluate and award contract CS-1501 Interactive Voice Response Unit (IVR).
- Implement Customer Billing and Management System Upgrade (enQuesta Version 4) Go-Live November 2012.
- Implement security recommendations contained in the June 2010 KPMG Audit to the Customer Billing and Management System (CBMS).
- Address water wastage at vacant properties by reducing the wait time to discontinue service.
- Upgrade the Work Force Management System (WFMS), ServiceLink to version 5.2.

PLANNING FOR THE FUTURE FOR FY 2012-13, FY 2013-14 and BEYOND:

- Develop e-newsletter to go to Detroit customers who have signed up for online services.
- Explore technologies to utilize online survey tools to identify customer information needs and develop programs to address those needs in order to meet customer demands and reduce customer service resources required.
- With growing use of social media to inform targeted stakeholder groups, explore the appropriateness of incorporating social media tools to communicate important customer service information – including during localized or regional emergencies.
- Analyze technologies that can be employed to encourage more routine two-way communication between DWSD and its wholesale customer communities.
- Amplify DWSD's community relations/speakers bureau program through personnel training and issue-specific materials development and distribution.
- Using new billing and online technological capabilities monitor and track customer service inquiries and question areas and develop communication tools and materials to address questions and reduce demands on customer service resources.
- Evaluate the effectiveness of internal Mail Operations and look at potential alternative mailing solutions.
- Upgrade the Wholesale Automatic Meter Read head-end to enhance the data packet processing.
- Upgrade the SCADA radio network to increase the read reliability and to increase the bandwidth from current 9600 baud rate to 19.2 kbps.

SEWERAGE (42)

PUBLIC AFFAIRS MEASURES AND TARGETS

Type of Performance Measure:	2009-10	2010-11	2011-12	2012-13
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals				
Wholesale meter maintenance (system total – 55)	55	55	55	55
Activity Costs	\$7,225,375	\$12,092,160	\$11,480,756	\$12,070,178

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of the Assistant Director -Public Af Public Affairs Group - Sewerage	2011-12 Redbook		2012-13 Dept Final Request		2012-13 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
12759 - Public Affairs Group - Sewerage						
421021 - Office of the Assistant Director -Public	0	\$808,687	0	\$746,828	0	\$746,828
421211 - Customer Outreach	0	\$0	0	\$552,500	0	\$552,500
421221 - Commercial Operations	0	\$5,696,988	0	\$5,855,041	0	\$5,855,041
421226 - Customer Billing	0	\$993,701	0	\$844,600	0	\$844,600
421231 - Customer Service - Detroit	0	\$40,914	0	\$44,935	0	\$44,935
421236 - Collections	0	\$341,629	0	\$223,073	0	\$223,073
421241 - Addressograph	0	\$960,542	0	\$974,740	0	\$974,740
421246 - Meter Reading	0	\$25,245	0	\$9,000	0	\$9,000
421251 - Meter Operations	0	\$1,844,534	0	\$1,957,759	0	\$1,957,759
421256 - Meter Records	0	\$9,807	0	\$9,807	0	\$9,807
421261 - Meter Shop	0	\$148,196	0	\$166,982	0	\$166,982
421266 - Meter Instrumentation Shop	0	\$610,513	0	\$684,913	0	\$684,913
APPROPRIATION TOTAL	0	\$11,480,756	0	\$12,070,178	0	\$12,070,178
ACTIVITY TOTAL	0	\$11,480,756	0	\$12,070,178	0	\$12,070,178

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriations - Summary Objects

	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec
AC4042 - Public Affairs Group - Sewerage			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	4,500,152	4,772,451	4,772,451
EMPBENESL - Employee Benef	3,695,364	3,634,524	3,634,524
OTHEXPSSL - Other Expenses	3,285,240	3,663,203	3,663,203
<i>A42000 - Sewerage Department</i>	<i>11,480,756</i>	<i>12,070,178</i>	<i>12,070,178</i>
AC4042 - Public Affairs Group - Sewerage	11,480,756	12,070,178	12,070,178
Grand Total	11,480,756	12,070,178	12,070,178

SEWERAGE (42)

PROCESS AND QUALITY CONTROL ACTIVITY INFORMATION

The **Process and Quality Control Division** is responsible for quality control throughout the Water and Sewerage Department. The review and recommendations for the department's Key Performance Indicators and the online performance monitoring tool (PaDs) are housed in this division. The Division is also responsible for the processes and quality control in other areas throughout the department as evidenced by the sections listed below that have critical involvement throughout the department: Document Management Section, Safety Section and Training and Education Section. In addition, this Division functions as the liaison between the department and the Human Resources Department.

The **Document Management Section** is responsible for disseminating documents in a timely and efficient manner for DWSD 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 the DWSD Service Improvement Program and serves as liaison between DWSD and City Council, Ombudsman, and the Mayor's Office for inquiries and complaints.

The **Safety Section** plans and develops Department wide safety programs and safety training for employees; investigates safety problems and issues; enforces Michigan Occupational Safety & Health Administration (MIOSHA) safety standards; manages job injury processes and payments; routinely inspects, identifies, and informs the various facilities within DWSD of safety hazards along with instructions for corrective action; and is the Department's central contact for MIOSHA. The Safety Section is also responsible for providing formal and informal training sessions.

The **Training and Education Section** plans, develops, schedules and delivers training courses for Department wide training of employees. Employees in the department are required to have a series of Safety and Occupational Health classes as required by MIOSHA. This section is responsible for delivering the training, documenting the training and maintaining the training records as also required by MIOSHA. Coordination of contractual training for employees is also housed in this section.

GOALS:

1. To engage in the departmental efforts to carry out the extensive roadmap outlined in the November 4, 2011 Federal court Orders in an effective, efficient and timely manner, in order to reach and sustain compliance with the National permit.

MAJOR INITIATIVES FOR FY 2011-2012:

- The development and implementation of a comprehensive online database that will house the training documentation for each employee as required by MIOSHA and other licensing agencies. The system will also capture Safety and EPA inspection, payment and compliance schedules. This system will provide DWSD with a tool, accessible to a broad user group enabling access at multiple locations. This tool will provide the solution to regulatory agency requests for training documentation, no matter the DWSD location.
- Work with the transition team to stand up a DWSD Human Resources Service Unit within DWSD.
- Work with the transition team and unions to develop an employee evaluation tool, apprenticeship program and training program.
- Work with transition team on job designs, classifications, compensations work rules, succession and progression planning.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Document Management	2011-12		2012-13		2012-13	
	Redbook		Dept Final		Mayor's	
Process and Quality Control Group	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
13315 - Process and Quality Control Group						
421031 - Document Management	5	\$122,296	5	\$135,226	5	\$135,226
421066 - Training	6	\$167,050	6	\$306,793	6	\$306,793
421071 - Safety	8	\$178,454	8	\$266,379	8	\$266,379
421091 - Environmental and Regulatory Affairs	10	\$829,218	3	\$628,292	3	\$628,292
APPROPRIATION TOTAL	29	\$1,297,018	22	\$1,336,690	22	\$1,336,690
ACTIVITY TOTAL	29	\$1,297,018	22	\$1,336,690	22	\$1,336,690

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriations - Summary Objects

	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec
AC4542 - Process and Quality Control Service			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	451,068	482,034	482,034
EMPBENESL - Employee Benef	337,376	359,790	359,790
PROFSVCSL - Professional/Cor	803,188	787,300	787,300
OPERSUPSL - Operating Suppli	110,060	94,887	94,887
OPERSVCSL - Operating Servic	103,903	107,547	107,547
OTHEXPSSL - Other Expenses	(508,577)	(494,868)	(494,868)
<i>A42000 - Sewerage Department</i>	1,297,018	1,336,690	1,336,690
AC4542 - Process and Quality Control Ser	1,297,018	1,336,690	1,336,690
Grand Total	1,297,018	1,336,690	1,336,690

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriation Summary - Revenues

	2010-11 Actuals	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
<i>00089 - Administration</i>					
522125 - Swap Termination Fee	103,247	0	0	0	0
<i>00089 - Administration</i>	<i>103,247</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>00759 - Sewage Bond Reserve</i>					
461100 - Earnings On Investmer	572,789	0	0	0	0
461101 - Unrealized Gain	59,050	0	0	0	0
472150 - Other Miscellaneous	333,067	0	0	0	0
<i>00759 - Sewage Bond Reserve</i>	<i>964,906</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>00838 - State Revenue Sharing - State Revolv F</i>					
461100 - Earnings On Investmer	113,285	4,908,000	1,583,000	1,583,000	(3,325,000)
461101 - Unrealized Gain	24,240	0	0	0	0
471905 - Contributed Revenue	5,523,194	0	0	0	0
522110 - Project Borrowings	0	15,239,000	13,800,000	13,800,000	(1,439,000)
<i>00838 - State Revenue Sharing - Stat</i>	<i>5,660,719</i>	<i>20,147,000</i>	<i>15,383,000</i>	<i>15,383,000</i>	<i>(4,764,000)</i>
<i>04828 - Revenue - Sewerage Receiving</i>					
413155 - Sewer Tap Fees	206,500	0	0	0	0
441100 - Other Labors and Mate	92,670	100,000	100,000	100,000	0
447236 - City of Detroit IWC Cha	3,912,402	0	0	0	0
447237 - Highway Drainage	1,366,580	0	0	0	0
447240 - Industrial Waste Surch	13,395,772	0	0	0	0
447246 - IWC Penalties - Detroit	103,443	0	0	0	0
447247 - IWC Penalties - Suburt	19,475	0	0	0	0
447250 - Sewage Treatment Sal	198,012,257	233,112,800	243,205,300	243,205,300	10,092,500
447255 - Sewage Treatment - W	201,064,262	247,466,600	265,216,100	265,216,100	17,749,500
447260 - Pollutant Surcharges	3,685,954	3,609,900	4,154,500	4,154,500	544,600
447285 - Sewage Disposal -Dep	567,670	0	0	0	0
447287 - Septic Tank Disposal	148,378	0	0	0	0
447300 - Other Utility Revenue	10,542,695	0	0	0	0
448115 - Other Fees	813,461	4,900,000	4,900,000	4,900,000	0
461100 - Earnings On Investmer	3,426	75,000	75,000	75,000	0
462241 - Rent of Building and Sp	20,900	0	0	0	0
472100 - Other Forfeits And Pen	100	0	0	0	0
472117 - Late Payment Fee	2,531,482	0	0	0	0
472150 - Other Miscellaneous	46	0	0	0	0
472220 - Ng Check Service Cha	6,402	0	0	0	0
474100 - Miscellaneous Receipts	0	(48,051)	3,708,145	3,708,145	3,756,196
<i>04828 - Revenue - Sewerage Receiving</i>	<i>436,493,875</i>	<i>489,216,249</i>	<i>521,359,045</i>	<i>521,359,045</i>	<i>32,142,796</i>
<i>04829 - Revenue - Sewerage Operation - Mainte</i>					
461100 - Earnings On Investmer	43,075	1,839,100	307,900	307,900	(1,531,200)

CITY OF DETROIT
Budget Development for FY 2012-2013
Appropriation Summary - Revenues

	2010-11 Actuals	2011-12 Redbook	2012-13 Dept Final Request	2012-13 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
<i>04829 - Revenue - Sewerage Operation - Mainte</i>					
472150 - Other Miscellaneous	12,724	0	0	0	0
<i>04829 - Revenue - Sewerage Operati</i>	55,799	1,839,100	307,900	307,900	(1,531,200)
<i>00168 - Interest and Bond Redemption</i>					
461100 - Earnings On Investmer	1,545	5,455,600	1,769,600	1,769,600	(3,686,000)
461175 - Change in Fair Value o	3,397,251	0	0	0	0
<i>00168 - Interest and Bond Redemptio</i>	3,398,796	5,455,600	1,769,600	1,769,600	(3,686,000)
<i>00169 - Sewerage System Improvements</i>					
461100 - Earnings On Investmer	921,112	665,100	332,800	332,800	(332,300)
461101 - Unrealized Gain	270,960	0	0	0	0
462135 - Building Rentals	89,996,704	0	0	0	0
<i>00169 - Sewerage System Improveme</i>	91,188,776	665,100	332,800	332,800	(332,300)
<i>00443 - Extraordinary Repairs and Replacem</i>					
461100 - Earnings On Investmer	193,714	1,358,000	345,000	345,000	(1,013,000)
461101 - Unrealized Gain	87,710	0	0	0	0
<i>00443 - Extraordinary Repairs and Re</i>	281,424	1,358,000	345,000	345,000	(1,013,000)
<i>11488 - Sewerage Bond Fund Series 2005</i>					
461100 - Earnings On Investmer	2,101	0	0	0	0
<i>11488 - Sewerage Bond Fund Series</i>	2,101	0	0	0	0
<i>11924 - Sewerage Second Lien Bond Reserve F</i>					
461100 - Earnings On Investmer	652,053	0	0	0	0
461101 - Unrealized Gain	116,700	0	0	0	0
<i>11924 - Sewerage Second Lien Bond</i>	768,753	0	0	0	0
<i>12139 - Sewerage Bond Fund Series 2007</i>					
461100 - Earnings On Investmer	111,548	0	0	0	0
472150 - Other Miscellaneous	1,739,704	0	0	0	0
<i>12139 - Sewerage Bond Fund Series</i>	1,851,252	0	0	0	0
A42000 - Sewerage Department	540,769,648	518,681,049	539,497,345	539,497,345	20,816,296
Grand Total	540,769,648	518,681,049	539,497,345	539,497,345	20,816,296

**CITY OF DETROIT
MAYOR'S 2012-2013 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2011	2012 FTE	FY 2012	2013 FTE	2012	2013 FTE
Classification						
00089 - Administration						
421095 - Capital Management						
General Manager - DWSD	1		0		0	
Engineer of Water Systems	1		0		0	
Manager I - DWSD	1		0		0	
Sr Governmental Analyst	2		2		2	
Office Management Assistant	1		0		0	
Head Eng - Water Sys-Operation	0		1		1	
Total Capital Management	6		3		3	
421100 - Print Shop						
Supervisor of Printing	1		1		1	
Offset Printer	1		1		1	
Duplicating Devices Operator	1		0		0	
Total Print Shop	3		2		2	
Total Administration	9		5		5	
00162 - Wastewater Plant Operations						
425010 - Office of Assistant Director of Was						
Asst Dir -DWSD Wastewater Oper	1		1		1	
Superintendant of Eng - DWSD	1		1		1	
Head Eng - Water Sys-Operation	1		0		0	
Engineer of Wastewater Systems	1		1		1	
Manager I - DWSD	1		1		1	
Head Governmental Analyst	1		0		0	
Office Assistant III	1		0		0	
Manager II - DWSD	0		1		1	
Total Office of Assistant Director of Wastewa	7		5		5	
425020 - Plant Administration						
Chief Sewage Plant Engineer	1		1		1	
Manager II - DWSD	1		0		0	
Office Management Assistant	2		2		2	
Administrative Specialist I	1		0		0	
Admin Asst GD II - DWSD	2		2		2	

**CITY OF DETROIT
MAYOR'S 2012-2013 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2011	2012 FTE	FY 2012	2013 FTE	2012	2013 FTE
Classification						
00162 - Wastewater Plant Operations						
 425020 - Plant Administration						
Head Clerk	2		2		2	
Principal Clerk	1		3		3	
Senior Clerk	16		8		8	
Office Assistant III	5		2		2	
Office Assistant II	1		2		2	
Engineer of Water Systems	7		3		3	
Head Eng - Water Sys - Design	1		1		1	
Head Civil Eng - Field	1		1		1	
Sr Assoc Civil Eng - Waste	2		0		0	
Sr Assoc Civil Eng - Design	2		2		2	
Sr Assoc Elect Eng - Design	1		0		0	
Sr Assoc Mech Eng - Design	4		4		4	
Sr Assoc Mech Eng - Waste	2		1		1	
Sr Assoc Chem Eng-Wastewater	3		0		0	
Associate Civil Eng - Design	6		5		5	
Assoc Chem Eng-Wastewater Sys	5		4		4	
Assoc Mech Eng -Wastewater Sys	5		4		4	
Assoc Mech Eng - Design	1		1		1	
Sr Assoc Elect Eng - Waste	4		3		3	
Sr Asst Civil Eng - Wastewater	5		5		5	
Sr Asst Elect Eng - Design	1		1		1	
Sr Asst Elect Eng - Wastewater	3		3		3	
Eng Support Specialist II	1		1		1	
Sr Asst Mech Eng - Wastewater	1		1		1	
Sr Asst Mech Eng - Design	2		2		2	
Senior Water Systems Chemist	17		13		13	
Water Systems Chemist	45		39		39	
Senior Analytical Chemist	10		8		8	
Analytical Chemist	28		25		25	
Microbiologist	2		1		1	
Drafting Technician III	6		4		4	

**CITY OF DETROIT
MAYOR'S 2012-2013 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2011	2012 FTE	FY 2012	2013 FTE	2012	2013 FTE
Classification						
00162 - Wastewater Plant Operations						
425020 - Plant Administration						
Assoc Elect Eng - Design	4		3		3	
Plant Maintenance Sr Foreman	7		4		4	
Plant Maintenance Foreman	15		5		5	
Carpenter Sub-Foreman	1		1		1	
Plant Maintenance Sub-Foreman	15		12		12	
Plant Maintenance Mechanic	48		46		46	
Plant Equip Operation Mechanic	10		8		8	
Repair Mechanic	32		33		33	
Water Sys Cntrl Instr Tech	17		15		15	
Control Instru Tech -Foreman	1		1		1	
Cont Instr Tech Sub-Foreman-Wa	8		4		4	
Water Systems Laboratory Aid	2		2		2	
Elect Worker Foreman	1		1		1	
Elect Worker Sub-Foreman	7		2		2	
Elect Worker - General	30		29		29	
Elect Repair Worker - General	3		3		3	
Maintenance Millwright	10		10		10	
General Welder	3		2		2	
Finish Carpenter	2		2		2	
Bricklayer	4		2		2	
Master Plumber	1		1		1	
Plumber	20		17		17	
Steamfitter	3		3		3	
Head Constr Inspector - DWSD	1		1		1	
Prin Construct Inspector-DWSD	1		0		0	
Sr Construction Inspector	8		4		4	
Construction Inspector	2		2		2	
Supervising Bldg Attendant I	2		1		1	
Senior Building Attendant	2		0		0	
Building Attendant A	22		13		13	
Park Maintenance Foreman	2		1		1	

**CITY OF DETROIT
MAYOR'S 2012-2013 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2011	2012 FTE	FY 2012	2013 FTE	2012	2013 FTE
Classification						
00162 - Wastewater Plant Operations						
425020 - Plant Administration						
Park Maintenance Worker	6		3		3	
Park Maintenance Helper	2		2		2	
WWTP Maintenance Superintenden	1		1		1	
Sewage Plant Laboratory Sprv	1		1		1	
Asst Sewage Plant Oper Super	1		1		1	
Asst Sewage Plant Lab Sprv	3		1		1	
Sewage Plant Supervisor	7		7		7	
Head Sewage Plant Operator	22		5		5	
Asst Head Sewage Plant Oper	34		26		26	
Sr Sewage Plant Operator	32		20		20	
Wastewater Process Controller	11		6		6	
Sewage Plant Operator	184		184		184	
Vehicle Operator III	1		1		1	
Vehicle Operator I	3		3		3	
Delivery - Driver	3		2		2	
Plumber Apprentice	2		2		2	
Maint Millwright Apprentice	1		1		1	
Elect Worker Apprentice	2		2		2	
Finish Painter	0		2		2	
Painter Sub-Foreman	0		1		1	
Sewage Plant Attendant	0		12		12	
Total Plant Administration	797		665		665	
425140 - I. W. C. Field Monitoring						
Manager I - DWSD	1		1		1	
Admin Asst GD II - DWSD	1		0		0	
Administrative Specialist I	1		1		1	
Indus Waste Control Mgr	1		1		1	
Sprv of Indust Waste Control	2		0		0	
Engineer of Water Systems	1		0		0	
Chemical Engineer	2		1		1	
Sr Assoc Chem Eng-Indust Waste	4		2		2	

**CITY OF DETROIT
MAYOR'S 2012-2013 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2011	2012 FTE	FY 2012	2013 FTE	2012	2013 FTE
Classification						
00162 - Wastewater Plant Operations						
425140 - I. W. C. Field Monitoring						
Assoc Chem Eng-Wastewater Sys	12		8		8	
Sr Asst Chem Eng Indus Waste	12		11		11	
Sr Indus Wastewater System	5		4		4	
Principal Governmental Analyst	2		1		1	
Sr Governmental Analyst	2		0		0	
Office Management Assistant	1		0		0	
Head Clerk	1		1		1	
Principal Clerk	2		1		1	
Senior Clerk	3		3		3	
Office Assistant III	3		0		0	
Office Assistant II	1		0		0	
Clerk	1		0		0	
Eng Support Specialist II	7		3		3	
Environmental Specialist III	2		1		1	
Environmental Specialist II	3		0		0	
Head Constr Inspector - DWSD	2		1		1	
Water Systems Investigator	13		9		9	
Asst Water Sys Investigator	13		8		8	
Plant Maintenance Sr Foreman	2		0		0	
Bldg Oper Sprv - Grade II	1		0		0	
Senior Building Attendant	1		1		1	
Building Attendant A	2		1		1	
Total I. W. C. Field Monitoring	104		59		59	
425395 - Puritan / Fenkell						
Head Eng - Water Sys - Design	1		1		1	
Engineer of Water Systems	1		0		0	
Sr Assoc Civil Eng - Design	1		0		0	
Sr Assoc Elect Eng - Design	1		1		1	
Sr Assoc Mech Eng - Design	3		2		2	
Sr Asst Mech Eng - Wastewater	2		2		2	
Associate Civil Eng - Design	2		2		2	

**CITY OF DETROIT
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Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2011	2012 FTE	FY 2012	2013 FTE	2012	2013 FTE
Classification						
00162 - Wastewater Plant Operations						
 425395 - Puritan / Fenkell						
Assoc Elect Eng - Design	2		2		2	
Sr Asst Civil Eng - Wastewater	1		0		0	
Plant Maintenance Foreman	1		0		0	
Head Sewage Plant Operator	1		1		1	
Plumber	2		0		0	
Water Sys Cntrl Instr Tech	1		0		0	
Maintenance Millwright	1		0		0	
Eng Support Specialist II	1		0		0	
Wastewater Treatment Plant Tec	20		17		17	
Plant Maintenance Mechanic	1		0		0	
Office Assistant III	1		1		1	
 Total Puritan / Fenkell	43		29		29	
Total Wastewater Plant Operations	951		758		758	
05831 - Engineering Services - Sewage						
 423020 - Engineering Administrative Services						
Engineer of Water Systems	2		0		0	
Electrical Eng - Design	1		0		0	
Sr Assoc Civil Eng - Design	4		0		0	
Associate Civil Eng - Design	2		0		0	
Assoc Elect Eng - Design	2		1		1	
Assoc Mech Eng - Design	3		0		0	
Sr Asst Civil Eng - Wastewater	7		1		1	
Sr Asst Mech Eng - Wastewater	2		0		0	
Sr Asst Elect Eng - Wastewater	3		2		2	
Drafting Technician IV	1		0		0	
Drafting Technician III	1		0		0	
Prin Data Proc Prog Analyst	1		0		0	
Eng Support Specialist II	3		0		0	
Eng Support Specialist I	1		0		0	
Head Constr Inspector - DWSD	2		0		0	
Prin Construct Inspector-DWSD	3		2		2	

**CITY OF DETROIT
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Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2011	2012 FTE	FY 2012	2013 FTE	2012	2013 FTE
Classification						
05831 - Engineering Services - Sewage						
423020 - Engineering Administrative Services						
Sr Construction Inspector	8		0		0	
Construction Inspector	3		0		0	
Sewer Systems Sprv Insp	1		0		0	
Principal Clerk	1		0		0	
Office Assistant III	3		0		0	
Senior Clerk	2		0		0	
Office Assistant II	2		0		0	
Clerk	3		0		0	
Total Engineering Administrative Services	61		6		6	
Total Engineering Services - Sewage	61		6		6	
13315 - Process and Quality Control Group						
421031 - Document Management						
Admin Asst GD II - DWSD	1		1		1	
Principal Clerk	1		1		1	
Office Assistant II	1		1		1	
Messenger	2		2		2	
Total Document Management	5		5		5	
421066 - Training						
Wastewater Systems Trng Sprv	1		1		1	
Principal Training Specialist	1		1		1	
Senior Training Specialist	1		2		2	
Maintenance Millwright	1		1		1	
General Welder	1		0		0	
Senior Clerk	1		1		1	
Total Training	6		6		6	
421071 - Safety						
Master Electrician of Record	1		1		1	
Plumber	1		0		0	
Safety Officer	2		3		3	
Asst Safety Officer - DWSD	2		0		0	

**CITY OF DETROIT
MAYOR'S 2012-2013 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2011	2012 FTE	FY 2012	2013 FTE	2012	2013 FTE
Classification						
13315 - Process and Quality Control Group						
421071 - Safety						
Office Assistant III	1		2		2	
Office Assistant II	1		0		0	
Supervising Safety Officer	0		2		2	
Total Safety	8		8		8	
421091 - Environmental and Regulatory Affairs						
Proc & Qual Control Mgr-DWSD	1		1		1	
Engineer of Water Systems	1		0		0	
Admin Asst GD II - DWSD	1		0		0	
Principal Governmental Analyst	1		1		1	
Sr Governmental Analyst	1		0		0	
Sr Asst Civil Eng - Design	1		0		0	
Principal Clerk	1		0		0	
Head Clerk	1		0		0	
Office Assistant III	1		1		1	
Office Assistant II	1		0		0	
Total Environmental and Regulatory Affairs I	10		3		3	
Total Process and Quality Control Group	29		22		22	
Agency Total	1,050		791		791	