

SEWERAGE (42)

AGENCY PLAN: MISSION, GOALS AND BUDGET SUMMARY

MISSION:

The Water and Sewerage Department strives 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:

2013-14 <u>Requested</u>		2012-13 <u>Budget</u>	2013-14 <u>Recommended</u>	Increase <u>(Decrease)</u>
\$ 228,426,255	Departmental Operations	\$ 243,648,945	\$ 228,426,255	\$ (15,222,690)
237,000,400	Debt Service	223,870,700	237,000,400	13,129,700
66,070,700	Capital Appropriations	58,177,700	66,070,700	7,893,000
<u>5,500,000</u>	Project Borrowings	<u>13,800,000</u>	<u>5,500,000</u>	<u>(8,300,000)</u>
\$ 536,997,355	Total Appropriations	\$ 539,497,345	\$ 536,997,355	\$ (2,499,990)
\$ 531,127,555	Departmental Revenues	\$ 524,114,345	\$ 531,127,555	\$ 7,013,210
<u>5,869,800</u>	State Revolving Fund	<u>15,383,000</u>	<u>5,869,800</u>	<u>(9,513,200)</u>
\$ 536,997,355	Total Revenues	\$ 539,497,345	\$ 536,997,355	\$ (2,499,990)
\$ -	NET TAX COST:	\$ -	<u>\$ -</u>	\$ -

AGENCY EMPLOYEE STATISTICS:

2013-14 <u>Requested</u>		2012-13 <u>Budget</u>	04-01-13 <u>Actual</u>	2013-14 <u>Recommended</u>	Increase <u>(Decrease)</u>
<u>683</u>	City Positions	<u>791</u>	<u>639</u>	<u>683</u>	<u>(108)</u>
683	Total Positions	791	639	683	(108)

ACTIVITIES IN THIS AGENCY:

	2012-13 <u>Budget</u>	2013-14 <u>Recommended</u>	Increase <u>(Decrease)</u>
Administrative Services	\$ 17,005,909	\$ 8,814,069	\$ (8,191,840)
Financial Services	6,779,511	6,001,872	(777,639)
Asset Maintenance	26,385,958	21,851,449	(4,534,509)
Engineering Services	1,291,128	-	(1,291,128)
Wastewater Operations	161,033,445	156,726,812	(4,306,633)
Sewerage - Capital and Debt Service	299,047,300	312,800,100	13,752,800
Info Tech & System Integration	14,547,226	14,537,311	(9,915)
Public Affairs Group	12,070,178	14,785,673	2,715,495
Process & Quality Control Service	<u>1,336,690</u>	<u>1,480,069</u>	<u>143,379</u>
Total Appropriations	\$ 539,497,345	\$ 536,997,355	\$ (2,499,990)

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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 four major divisions: Administration, Human Resources, Security, and Contracts and Grants.

The **Human Resources Division** carries out the following core functions: recruitment and selection, labor relations, employee relations, classification compensation, unemployment, and payroll issues.

The **Security Division** has the primary responsibility for directing activities pertaining to the safety and protection of the Detroit Water and Sewerage Department infrastructure, water treatment, and its provision to all customers.

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

The **Contracts and Grants Division** is divided into four 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. 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 certifies firms as Detroit Based Businesses or Customer-Based Businesses and monitors participation on contracts.

GOALS:

1. To implement the policies of the November 4, 2011 Court Order, Board 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. These practices are based on a vulnerability assessment conducted for the U. S. Environmental Protection Agency.
6. To efficiently and effectively process contracts, grants and loans.
7. To encourage local businesses to participate in the Department's contracting process.
8. To stand up human resources in the department as ordered by the Federal court.

MAJOR INITIATIVES FOR FY 2012-2013:

- Revise employee's procedures manual for processing Consultant, Construction and Design/Build contracts.
- Review and update process for executing contracts and finalize procurement policy.
- Pilot a program to upload RFP document on the web for advertising.
- Develop guidelines for sole sourcing contracts.
- Define local economic development for professional services contracts.
- Developed a central network address to receive electronic files for printing.
- Work with the City of Detroit to transfer the remaining Human Resources components, worker's compensation, payroll, records, work-related complaints and investigations to DWSD.
- The department has negotiated 17 collective bargaining agreements.
- We have developed policies that will be rolled out within the coming months.

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PLANNING FOR THE FUTURE FOR FY 2013-14, FY 2014-15 and BEYOND:

- The DWSD Security Unit constantly strives to prevent threats, eliminate criminal activity, promote effective collaboration with other City, County, State and Federal departments, and provides leadership and support for regional security efforts. To this end, the Security Unit will continue to seek self-improvement, refine its operations, enforce progressive steps toward productivity, and develop cost effective programs to meet the developing needs of advanced security that support the vital resource of water for the population and communities the department serves.
- Explore avenues for advertising that will get information to local businesses in order to increase participation on projects, and advertising smaller projects which will reduce bonding requirements for smaller firms.
- Participate in greening efforts by employing a new system of returning empty toner bottles and containers to the vendor.
- Contracts and Grants will be joined with Purchasing, and staff will be reduced to operate more effectively and decrease the operating budget.
- The department expects to complete negotiations by June 30, 2013.

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ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Type of Performance Measure:	2010-11	2011-12	2012-13	2013-14
List of Measures	Actual	Actual	Projection	Target
Inputs: Resources Allocated or Service Demands Made:				
Number of grant application/amendments	0	0	0	0
Value of grant applications/amendments	\$0	\$0	\$0	\$0
Number of State Revolving Loan Fund applications	1	1	1	0
Value of loan applications	\$32,200,000	\$15,000,000	\$14,950,000	\$0
Wholesale meter maintenance (system total-55)	55	55	55	55
Activity Costs	\$33,812,380	\$28,829,954	\$17,005,909	\$8,814,069

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of the Director	2012-13		2013-14		2013-14	
	Redbook		Dept Final		Mayor's	
Administration	FTE	AMOUNT	FTE	AMOUNT	Budget Rec	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
00089 - Administration						
421010 - Office of the Director	0	\$419,556	0	\$2,931,803	0	\$2,931,803
421040 - General Staff Services	0	\$9,705,760	0	\$550,143	0	(\$4,026,969)
421045 - Office of General Counsel	0	\$0	0	\$2,825,771	0	\$2,825,771
421050 - General Departmental Services	0	\$3,021,320	0	\$2,563,520	0	\$2,563,520
421060 - Human Resources	0	\$24,079	0	\$486,400	0	\$486,400
421065 - Board of Water Commissioners	0	\$129,450	0	\$155,340	0	\$155,340
421080 - Security	0	\$3,007,595	0	\$3,146,194	0	\$3,146,194
421095 - Capital Management	3	\$32,499	2	\$27,597	2	\$44,636
421100 - Print Shop	2	\$161,392	2	\$176,944	2	\$189,646
421200 - Contracts and Grants	0	\$504,258	0	\$497,728	0	\$497,728
APPROPRIATION TOTAL	5	\$17,005,909	4	\$13,361,440	4	\$8,814,069
ACTIVITY TOTAL	5	\$17,005,909	4	\$13,361,440	4	\$8,814,069

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriations - Summary Objects

	2012-13 Redbook	2013-14 Dept Final Request	2013-14 Mayor's Budget Rec
AC0542 - Administration Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,063,045	2,806,969	2,806,969
EMPBENESL - Employee Benef	1,565,796	1,863,367	1,893,108
PROFSVCSL - Professional/Cor	997,300	539,500	539,500
OPERSUPSL - Operating Suppli	216,183	145,582	145,582
OPERSVCSL - Operating Servic	9,146,321	7,590,621	3,013,509
OTHEXPSSL - Other Expenses	3,017,264	415,401	415,401
<i>A42000 - Sewerage Department</i>	<i>17,005,909</i>	<i>13,361,440</i>	<i>8,814,069</i>
AC0542 - Administration Services	17,005,909	13,361,440	8,814,069
Grand Total	17,005,909	13,361,440	8,814,069

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FINANCIAL SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

The Financial Services Group consists of seven divisions that 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 responsible for directing activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities, 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 and provides financial information as processed by the Oracle system.

The Financial Planning Division is responsible for coordination, development, implementation and monitoring activities related to DWSD's operation and maintenance budget, water supply and sewage treatment system service rates and charges and coordination of system revenue bond financing.

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

The Materials Management Division consists of Stores Operations, Operations Support, Inventory Audit, Resource Recovery, Management Support, and Employee Support sections that make available a supply of goods and services necessary to support DWSD in its mission at optimum value. To accomplish this mission, Materials Management recommends executes policies and procedures regarding inventory control, operation and maintenance of fuel, dispensing and storage systems, stocking of materials, new stock number tracking and creation, resource recovery and waste materials collection. 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, timely and cost-effective ensuring compliance with all Federal, State and local laws pertaining to the procurement process. To accomplish this mission, the Purchasing Division recommends and executes policies and procedures to maintain a fair and equitable bid solicitation process, expedite emergency purchase orders and contracts, increases the usage of cooperative agreements and initiate purchase order deliveries and resolution of conflicts that may result in untimely 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 improve 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 on proposed projects submitted for CIP consideration as well as coordinates the development of project proposals and project execution plans. In addition, the CMG tracks and analyzes performance and compliance of the CIP; provides financial information and reports concerning the CIP to Management and the Financial Services Group; maintains the central depository for CIP data and information; and assists in incorporating the Department-wide, 50-year CIP Master Plan in a timely manner.

Customer Billing and Management System supports various functions of the commercial operations, accounting and finance, meter operations and maintenance and repair divisions within the department. The division is responsible for maintenance and functional issues, coordinating system updates/upgrades, and preparing reports that provide financial and operational information.

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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 2012-2013:

Materials Management Division

- To assist DWSD with the implementation of the new Oracle WAM inventory system.
- To continue 80% high dollar value inventories with multiple 20% inventories occurring continuously throughout the year. This will further increase the inventory accuracy.
- To continue selling, scrapping obsolete PC contract turnover items that are taking up warehouse space.
- Receiving, holding, and selling DWSD used water meters.

Purchasing Division

- Formal Request for Proposals & Request for Quotations - complete package now available on the website.
- Provided procedural and Oracle Financials training to all divisions.
- New Intranet portal page available that provides internal contract management assistance.
- Developed a contract directory listing current contracts sorted by division.
- Updated our policy and procedures manual.
- Participated in the MPPOA Reverse Vendor Trade Fair; encouraging vendors to conduct business with the City of Detroit.

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Customer Billing Management System

- Upgrade desktop hardware and applications.
- Ability to do analysis in a pro-active manner for preventive maintenance.
- Training for staff to improve skills.
- Utilize job scheduler to automate some batch processes.
- Initiate interface development between enQuesta and Oracle.
- Upgrade the billing system.
- Upgrade hardware for the billing system.
- Renegotiate CIS maintenance agreement (especially 3rd party apps).

PLANNING FOR THE FUTURE FOR FY 2013-14, FY 2014-15 and BEYOND:

- Pave and fence in West Yard Stockroom to enhance security.
- Two staff members have completed Oracle WAM Train the Trainer courses to support MMD.
- Develop roofing & sprinkler contracts to support McKinstry operations.

Purchasing Division

- Continue to develop educational workshops for staff on various procurement processes and cost-saving initiatives.
- Attend the National Institute of Governmental Purchasing (NIGP) Educational Conference in 2013.
- Maintain membership with NIGP and the local Professional Chapter of MPPOA.
- All Senior Buyers/Purchasing Agents to obtain certification as Certified Public Purchases Agents from the NIGP.
- Continue to expedite the purchase order process.
- Assist our internal customers in developing contracts to reduce the amount of one-time purchases.
- Increase our usage of cooperative agreements such as U.S. Communities and Michigan Inter-Governmental Trade Network.
- Maintain a purchase requisition processing level in which purchase order's less than \$25,000 are processed and delivered within 30 business days.
- Revise our training manuals to reflect current policies and procedures.

Customer Billing Management System

- Upgrade desktop hardware and applications.
- Analyze in a pro active manner for preventive maintenance.
- Training staff to improve skills.
- Utilize job scheduler to automate some batch processes.
- Initiate interface development between enQuesta and Oracle.
- Upgrade the billing system.
- Upgrade hardware for the billing system.
- Renegotiate CIS maintenance agreement (especially third party apps).

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FINANCIAL SERVICES MEASURES AND TARGETS

Type of Performance Measure:	2010-11	2011-12	2012-13	2013-14
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	6,250	6,323	6,650	6,650
Requisitions Assigned	8,500	8,262	8,500	8,500
Activity Costs	\$6,396,365	\$7,528,388	\$6,779,511	\$6,001,872

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assist Director Financial Service Financial Services Group	2012-13 Redbook		2013-14 Dept Final Request		2013-14 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	\$161,828	0	\$130,105	0	\$130,105
422020 - Financial Administrative Services	0	\$284,167	0	\$289,718	0	\$289,718
422030 - Budget/Fiscal Reporting	0	\$1,450	0	\$780	0	\$780
422040 - Rates	0	\$249,050	0	\$300,840	0	\$300,840
422080 - General Accounting Administrative Se	0	\$2,452,511	0	\$2,188,920	0	\$2,188,920
422090 - Financial Reporting	0	\$4,598	0	\$4,800	0	\$4,800
422100 - Fixed Assets/Inventory/Payables	0	\$290,622	0	\$5,730	0	\$5,730
422110 - Cash Management	0	\$26,610	0	\$37,950	0	\$37,950
422130 - CBMS Support	0	\$315,532	0	\$352,365	0	\$352,365
422220 - Purchasing	0	\$692,892	0	\$680,612	0	\$680,612
422230 - Materials Management	0	\$1,549,620	0	\$1,720,898	0	\$1,720,898
422235 - Wastewater Plant Stores	0	\$60,671	0	\$53,220	0	\$53,220
422240 - Sewerage Secondary Stores	0	\$687,058	0	\$233,389	0	\$233,389
422250 - Operations Support	0	\$776	0	\$680	0	\$680
422255 - Inventory Audit	0	\$1,350	0	\$1,185	0	\$1,185
422260 - Automotive Stores	0	\$776	0	\$680	0	\$680
APPROPRIATION TOTAL	0	\$6,779,511	0	\$6,001,872	0	\$6,001,872
ACTIVITY TOTAL	0	\$6,779,511	0	\$6,001,872	0	\$6,001,872

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriations - Summary Objects

	2012-13 Redbook	2013-14 Dept Final Request	2013-14 Mayor's Budget Rec
AC1042 - Financial Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,538,933	2,589,522	2,589,522
EMPBENESL - Employee Benef	1,929,801	1,837,794	1,837,794
OPERSUPSL - Operating Suppli	63,955	66,601	66,601
OPERSVCSL - Operating Servic	686,030	221,542	221,542
CAPOUTLSL - Capital Outlays/In	1,380	1,154	1,154
OTHEXPSSL - Other Expenses	1,559,412	1,285,259	1,285,259
<i>A42000 - Sewerage Department</i>	<i>6,779,511</i>	<i>6,001,872</i>	<i>6,001,872</i>
AC1042 - Financial Services	6,779,511	6,001,872	6,001,872
Grand Total	6,779,511	6,001,872	6,001,872

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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 four 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 2012-2013:

- Align job duties and job classifications to meet current day requirements in support of efficient and effective operations.
- Reduce operational expenses through improved asset management and use of capital funds for equipment replacement.
- 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 Conners Sewage Pumping Station.
- Demolished existing dilapidated Sludge holding Pit & construct a new pit at C.S.F.

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PLANNING FOR THE FUTURE FOR FY 2013-14, FY 2014-15 and BEYOND:

- Increase employee awareness of operating costs.
- Implement a robust asset management program.
- 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:	2010-11	2011-12	2012-13	2013-14
List of Measures	Actual	Actual	Projection	Target
Units of Activity directed toward Goals				
Sites Maintained	55	54	54	54
Acreage Maintained	350	350	350	350
Vehicle Repairs performed	2,064	2,400	3,200	3,200
Catch Basins Cleaned	3,851	4,000	4,000	4,000
Miles of Sewers Cleaned by DWSD Employees	338	250	250	250
Miles of Sewers Cleaned by Contractors	74	50	50	50
Activity Costs	\$62,701,757	\$45,934,487	\$26,385,958	\$21,851,449

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director Asset Maintainer Asset Maintenance Group	2012-13 Redbook		2013-14 Dept Final Request		2013-14 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00161 - Asset Maintenance Group						
424010 - Office of Assistant Director Asset Mair	0	\$496,404	0	\$405,430	0	\$405,430
424120 - Mechanical Operations Administration	0	\$4,945,914	0	\$4,343,669	0	\$4,343,669
424130 - Ground Maintenance	0	\$18,855	0	\$16,500	0	\$16,500
424140 - Field Operations	0	\$2,458,797	0	\$2,150,000	0	\$2,150,000
424150 - Mechanical Maintenance	0	\$1,533,399	0	\$1,200,000	0	\$1,200,000
424190 - Water Board Building	0	\$1,520,128	0	\$1,250,409	0	\$1,250,409
424240 - Maintenance and Repair 2004	0	\$14,150,437	0	\$11,335,441	0	\$11,335,441
424360 - Central Service Facility	0	\$1,262,024	0	\$1,150,000	0	\$1,150,000
APPROPRIATION TOTAL	0	\$26,385,958	0	\$21,851,449	0	\$21,851,449
ACTIVITY TOTAL	0	\$26,385,958	0	\$21,851,449	0	\$21,851,449

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriations - Summary Objects

	2012-13 Redbook	2013-14 Dept Final Request	2013-14 Mayor's Budget Rec
AC1542 - Asset Management			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	9,321,038	7,494,142	7,494,142
EMPBENESL - Employee Benef	7,056,129	5,452,739	5,452,739
PROFSVCSL - Professional/Cor	5,561,400	5,064,203	5,064,203
OPERSUPSL - Operating Suppli	2,657,499	2,176,559	2,176,559
OPERSVCSL - Operating Servic	642,656	645,238	645,238
CAPEQUPSL - Capital Equipme	2,759	2,759	2,759
CAPOUTLSL - Capital Outlays/In	386,246	43,393	43,393
OTHEXPSSL - Other Expenses	758,231	972,416	972,416
<i>A42000 - Sewerage Department</i>	26,385,958	21,851,449	21,851,449
AC1542 - Asset Management	26,385,958	21,851,449	21,851,449
Grand Total	26,385,958	21,851,449	21,851,449

SEWERAGE (42)

ENGINEERING SERVICES ACTIVITY INFORMATION

This activity has been eliminated.

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WASTEWATER OPERATIONS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: WASTEWATER OPERATIONS GROUP

The Wastewater Operations Group consists of the Wastewater Treatment Plant, Combined Sewer Overflow Facilities, Industrial Waste Control Division and Engineering Division. Engineering provides design, process, and construction services to the Wastewater Treatment Plant and CSO Facilities.

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 to ensure compliance with the plant's renewable operating permit and National Pollutant Discharge Elimination System 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 Combined Sewerage Overflow Facilities discharge to the Detroit and Rouge Rivers and are treated at five retention facilities providing capture, primary settling and disinfection and three screening & disinfection facilities. Waste Water Treatment Plant staff operate and maintain 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 it supports Wastewater Operations and Maintenance in complying with regulatory requirements for wastewater discharge and air emissions. The section also manages consultant design, prepares in-house designs, and provides assistance to the construction group during the construction phase of the project. The section 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 inspects construction and alteration of Wastewater Treatment Plant buildings and equipment for contract conformity and reviews drawings and procedures design documents.

The **Combined Sewer Overflow Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications by outside consultants and internal staff related to Detroit's Long Term Combined Sewerage Overflow Control Plan as mandated by the National Pollutant Discharge Elimination System 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 National Pollutant Discharge Elimination System permit.
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 2012-2013:

- Align job duties and job classifications to meet current requirements in support of efficient and effective operations.
- Completed biosolids dryer contracting.
- Continued monitoring Key Performance Indicators.
- Pollutant Discharge Elimination System permit compliance for several consecutive months.
- Increased beneficial reuse of biosolids.
- Implement oxygen savings plan.
- Continued focus on cost of residuals disposal.
- Continued emphasis on housekeeping and safety issues.
- Oakwood Combined Sewer Overflow and Pumping Station online.
- Reduce operational expenses through improved asset management and use of capital funds for equipment replacement.

PLANNING FOR THE FUTURE FOR FY 2013-14, FY 2014-15 and BEYOND:

- Increase employee awareness of operating costs.
- Finalize needs assessment plan.
- Finish institutionalizing National Pollutant Discharge Elimination System and ACO requirements.
- Implement a robust asset management plan.
- Upgrade incinerators to Maximum Available Control Technology standards.
- Design phase of biosolids dryer.
- Finish installation of Complex I belt filter presses and demolish half of Complex II.
- Complete River Rouge Outfall Phase I.
- Plan and complete repair of critical sluice gates and moveable dams.
- Continue refurbishment of secondary clarifiers.
- Design and construction of Pump Station 2 rack & grit.

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 2012-2013:

- Prepare documentation and materials needed to support the National Pollutant Discharge Elimination System permit re-application request.
- Review existing ordinance for compliance with current state and federal requirements and recommend improvements.

PLANNING FOR THE FUTURE FOR FY 2013-14, FY 2014-15 and BEYOND:

- Participate, as needed, in National Pollutant Discharge Elimination System permit negotiations.

SEWERAGE (42)

WASTEWATER OPERATIONS MEASURES AND TARGETS

Type of Performance Measure:	2010-11	2011-12	2012-13	2013-14
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals				
Average sewage pumped per day (MGD)	650	680	680	680
Sludge produced (wet tons)	630,300	661,000	650,000	650,000
Tons of materials incinerated (wet)	507,400	532,200	530,000	530,000
Tons of materials land filled or land applied (wet)	126,100	132,200	120,000	120,000
Number of Facility Inspections	4,000	4,000	4,000	4,000
Number of Industrial Pretreatment Program Permits	300	305	300	300
Number of Special Discharge & HIW Permit	90	90	90	90
Number of Notices of Exceedence and Violations	400	400	400	400
Number of Conferences and Administrative hearings	40	40	40	40
Number of Civil Actions Initiated	0	0	0	0
Value of Penalties/Fees Assessed	50,000	50,000	75,000	75,000
Number of Samples Collected	10,000	9,500	9,500	6,500
Activity Costs	\$234,278,723	\$204,603,095	\$161,033,445	\$156,726,812

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Wastewater Wastewater Plant Operations	2012-13 Redbook		2013-14 Dept Final Request		2013-14 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
00162 - Wastewater Plant Operations						
425010 - Office of Assistant Director of Wastew	5	\$2,253,896	2	\$2,517,743	2	\$2,542,491
425020 - Plant Administration	665	\$63,474,209	586	\$59,795,983	586	\$63,690,544
425030 - Analytical Laboratory	0	\$1,272,300	0	\$954,192	0	\$954,192
425060 - Document Control	0	\$36,600	0	\$20,000	0	\$20,000
425070 - Treatment Plant Maintenance	0	\$12,985,160	0	\$10,985,160	0	\$10,985,160
425080 - Operations Laboratory	0	\$238,500	0	\$215,319	0	\$215,319
425100 - Process Engineering	0	\$2,339,800	0	\$2,305,269	0	\$2,305,269
425120 - Treatment Operations	0	\$62,482,019	0	\$61,584,232	0	\$61,584,232
425130 - Industrial Waste Control Administratio	0	\$665,100	0	\$640,100	0	\$640,100
425140 - I. W. C. Field Monitoring	59	\$4,861,953	55	\$5,326,256	55	\$5,668,609
425150 - I. W. C. Program Operations	0	\$1,411,800	0	\$961,800	0	\$961,800
425395 - Puritan / Fenkell	29	\$2,931,874	21	\$2,182,866	21	\$2,303,470
425400 - 7 Mile	0	\$36,069	0	\$46,869	0	\$46,869
425410 - Hubble / Southfield	0	\$336,243	0	\$266,000	0	\$266,000
425420 - Leib - CSO	0	\$85,422	0	\$82,577	0	\$82,577
425425 - St. Aubin - CSO	0	\$45,400	0	\$59,800	0	\$59,800
425430 - Inspection & Permits	0	\$77,500	0	\$45,000	0	\$45,000
425440 - Enforcement, Field Investigation & Mc	0	\$30,000	0	\$15,000	0	\$15,000
425450 - Revenue Program & Pollution Prevent	0	\$18,000	0	\$22,000	0	\$22,000
425465 - Connor Creek CSO Basin	0	\$2,201,800	0	\$1,599,300	0	\$1,599,300
425470 - Baby Creek CSO Basin	0	\$435,000	0	\$430,000	0	\$430,000
425475 - Oakwood CSO Basin	0	\$395,000	0	\$231,000	0	\$231,000
425480 - Belle Isle CSO Basin	0	\$44,800	0	\$58,080	0	\$58,080
425485 - Green Infrastructure	0	\$2,375,000	0	\$2,000,000	0	\$2,000,000
APPROPRIATION TOTAL	758	\$161,033,445	664	\$152,344,546	664	\$156,726,812
ACTIVITY TOTAL	758	\$161,033,445	664	\$152,344,546	664	\$156,726,812

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriations - Summary Objects

	2012-13 Redbook	2013-14 Dept Final Request	2013-14 Mayor's Budget Rec
AC2542 - Sewer Operations			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	39,342,935	34,406,758	34,406,758
EMPBENESL - Employee Benef	30,390,260	30,429,337	34,811,603
PROFSVCSL - Professional/Cor	36,633,000	34,720,889	34,720,889
OPERSUPSL - Operating Suppli	18,958,169	19,215,233	19,215,233
OPERSVCSL - Operating Servic	36,218,474	32,889,104	32,889,104
OTHEXPSSL - Other Expenses	(509,393)	683,225	683,225
<i>A42000 - Sewerage Department</i>	<i>161,033,445</i>	<i>152,344,546</i>	<i>156,726,812</i>
AC2542 - Sewer Operations	161,033,445	152,344,546	156,726,812
Grand Total	161,033,445	152,344,546	156,726,812

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; constructing or installing of new facilities at the Wastewater Treatment Plant; rehabilitating sewage pumping stations and major sewers; construct combined sewer overflow basins, tunnel and other control measures throughout the combined sewer system; replacing sewer meter; 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	2010-11 Actual	2011-12 Actual	2012-13 Projection	2013-14 Target
WWTP – Primary Treatment	281,994	3,382,783	5,597,000	22,475,000
WWTP – Secondary Treatment	1,668,546	8,293,280	6,136,000	6,591,000
WWTP – Solids Handling	3,417,241	14,369,281	31,885,000	56,714,000
WWTP – Disinfection	629,698	138,435	5,870,000	7,915,000
WWTP – General Purpose	12,162,934	5,708,394	24,989,000	33,854,000
Facility – Sewer Interceptor System	N/A	N/A	550,000	830,000
Facility – Combined Sewer System	41,842,370	22,853,690	11,830,000	13,986,000
Facility – Lateral Sewer Replacement	42,527,722	33,795,289	23,043,000	26,000,000
Facility – Information Technology (Formerly Planning and Administration)	319,754	N/A	4,132,000	7,750,000
Total Number of Projects	39	34	64	52
Total Value of Projects	\$301,229,664	\$305,715,351	\$299,047,300	\$312,800,100

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Bond Principle & Interest Redemption Fur Interest and Bond Redemption	2012-13 Redbook		2013-14 Dept Final Request		2013-14 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	\$223,870,700	0	\$237,000,400	0	\$237,000,400
APPROPRIATION TOTAL	0	\$223,870,700	0	\$237,000,400	0	\$237,000,400
00169 - Sewerage System Improvements						
427030 - Sewerage System Improvements	0	\$57,040,900	0	\$66,070,700	0	\$66,070,700
APPROPRIATION TOTAL	0	\$57,040,900	0	\$66,070,700	0	\$66,070,700
00443 - Extraordinary Repairs and Replacement						
427040 - Extraordinary Repair & Replacement	0	\$1,136,800	0	\$0	0	\$0
APPROPRIATION TOTAL	0	\$1,136,800	0	\$0	0	\$0
05735 - Sewerage Reserve Deposit						
427025 - Sewerage Reserve Deposit	0	\$3,198,900	0	\$4,229,000	0	\$4,229,000
APPROPRIATION TOTAL	0	\$3,198,900	0	\$4,229,000	0	\$4,229,000
12139 - Sewerage Bond Fund Series 2007						
427227 - Sewerage Bond Fund Series 2007	0	\$13,800,000	0	\$5,500,000	0	\$5,500,000
APPROPRIATION TOTAL	0	\$13,800,000	0	\$5,500,000	0	\$5,500,000
ACTIVITY TOTAL	0	\$299,047,300	0	\$312,800,100	0	\$312,800,100

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriations - Summary Objects

	2012-13 Redbook	2013-14 Dept Final Request	2013-14 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	66,676,600	67,299,700	67,299,700
FIXEDCHGSL - Fixed Charges	223,870,700	237,000,400	237,000,400
<i>A42000 - Sewerage Department</i>	<i>299,047,300</i>	<i>312,800,100</i>	<i>312,800,100</i>
AC3042 - Sewerage - Capital and Debt Ser	299,047,300	312,800,100	312,800,100
Grand Total	299,047,300	312,800,100	312,800,100

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 brings together 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 Division provides Supervisory Control and Data Acquisition network and hardware oversight and maintenance for the water distribution system and wastewater collection system to ensure the efficient operation of the DWSD Systems Control Center. The division coordinates implementing enhancements to be made to the control and monitoring operation of the center water treatment plants, wastewater treatment plant, and the distribution and collection systems. The division 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 on which DWSD relies for financial, process and communication transactions. The Network Group manages maintenance, new installations and service outages for the primary and secondary communication paths for DWSD telecommunication systems.

The Infrastructure Group supports and maintains the 800 MHz and 900 MHz radio networks and provides resources for 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 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. The DWSD Spatial Data Management System allows privileged users to create, update and query data.

Security Networks Section supports a robust network to provide all employees, contractors and visitors 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 business servers, computers, and application software. It also supports systems such as EMPAC and CBMS.

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 nine sewage pumping stations for the wastewater collection system from the new Systems Control Center. The center has the flexibility to meet changing water demands, adapt to variations of wastewater flow and generate valuable data of conditions occurring throughout the system. The system 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 geographic information data 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 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 control instruments as needed.
12. Reduce operational 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 2012-2013:

PNSS Division

- Upgrade the Ovation Control Systems at Systems Control Center and Treated Water Transmission System Booster Stations under contract PC-773D.
- Install repeaters throughout the water distribution region to improve the communication uptime between the remote sites and the Operational centers.
- Complete the design and installation of secondary power sources to the Ovation Control Systems at WWTP, Baby Creek CSO and Conner Creek CSO.
- Complete and closeout on the installation of new Control Systems at Hubbell/Southfield and Puritan/Fennel CSO facilities.
- Complete the design for the integration of the dewatering process of an area into the Ovation Control System whereby installation and testing will be done.
- Upgrade the Ovation Control Systems at WWTP and Conner CSO, Conner Pump Station and Freud Pump Station.
- Complete the installation of DMT Electrical Substation Power Monitoring design.
- Completed the consolidation of the remote node controls cabinets at Conner CSO to reduce maintenance and hardware replacement costs.
- Worked with the Flow Balance Task Force to validate data to complete FY10-11 and FY11-12 Lookback process.
- Complete the RFP for contract CS-1543 to ensure that it is comprehensive and includes the sewer rate simplification in connection with the current Flow Metering Task Force.

SCC Division

- Develop and implement water distribution optimization strategy.
- Develop and implement real-time pump optimization.
- Complete the development of the water hydraulic modeling for operations and planning use.
- Complete the update Operations and Maintenance manuals for TWTS, WWCS and remote facilities.
- Begin the installation of 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.
- Continue with quarterly QA/QC of CSO event data and reports to MDEQ.
- Work with Macomb county on the operation of the Northeast Sewerage pump station.

SEWERAGE (42)

Information Technology Division

- Standardize project management methodology.
- Project Plan and Visual Representations for Server Consolidation Data Domain.
- Implementation of EMC Data replication.
- Complete server consolidation and migration of HP to Blade server platform.
- Continue to incorporate ITIL Best Practices into daily operational activities.
- HP Data Protector and Data Domain Implementation.
- Reengineer processes and systems of: identity management, IT procurement, IT asset management.
- Develop Service Delivery Model.
- Support the replacement of EMPAC with Oracle WAM Software application.
- Adopt an IT Governance Plan.
- Participate in a State/Region cyber security test.
- Assist with the implementation of HR, Payroll and Finance applications at DWSD.
- Support the replacement of EMPAC with Oracle WAM Software application.
- Adopt an IT Governance Plan.

PLANNING FOR THE FUTURE FOR FY 2013-14, FY 2014-15 and BEYOND:

- Continue with installation of additional repeaters throughout the water distribution region to improve the communications.
- Replace the core network switches departmentwide.
- Install and commission a new SCADA head end.
- Upgrade the 900 MHz radio network.
- Evaluate the existing control panels at the Pump Station and remote sites and confirm if these panels are in compliance with the revised regulatory codes that apply to DWSD applications.
- Begin improvements to the three data centers.
- Establish an evergreen process for Ovation Control System.
- Establish an evergreen process for Schneider SCADAPak.
- Establish an evergreen process for the Rockwell Automation.
- Plan for replacement of new computers departmentwide.
- Complete the RFP for the IVR project.

SEWERAGE (42)

INFORMATION TECHNOLOGY AND SYSTEMS INTEGRATION AND OPERATION MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2010-11 Actual	2011-12 Actual	2012-13 Projection	2013-14 Target
Outputs: Units of Activity directed toward Goals				
Average Time to Resolve Help Desk Tickets	10 days	7 days	7 days	7 days
Activity Costs	\$13,778,421	\$15,266,891	\$14,547,226	\$14,537,311

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Asst Dir - Info Tech & Sys Integration & O Info Tech & Systems Integration & Org:	2012-13 Redbook		2013-14 Dept Final Request		2013-14 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
12449 - Info Tech & Systems Integration & Organiz						
421011 - Asst Dir - Info Tech & Sys Integration	0	\$215,024	0	\$187,092	0	\$187,092
421014 - Geographic Information Systems (GIS	0	\$127,262	0	\$93,479	0	\$93,479
421016 - Process Networks and SCADA System	0	\$1,223,972	0	\$1,795,537	0	\$1,795,537
421018 - Radio/SCADA Infrastructure Support	0	\$1,185,253	0	\$1,131,291	0	\$1,131,291
421115 - Information Systems Administrative S	0	\$2,227,007	0	\$1,646,200	0	\$1,646,200
421125 - Applications Support	0	\$132,500	0	\$249,000	0	\$249,000
421135 - Software Support	0	\$89,500	0	\$222,000	0	\$222,000
421145 - Hardware Support	0	\$806,000	0	\$420,000	0	\$420,000
421155 - Strategic Planning	0	\$41,250	0	\$15,000	0	\$15,000
421165 - Network Support	0	\$351,324	0	\$319,855	0	\$319,855
421285 - Systems Operations Control	0	\$3,474,564	0	\$3,784,720	0	\$3,784,720
421305 - Operational Services	0	\$34,395	0	\$33,962	0	\$33,962
421311 - Pumping Station - Belle Isle	0	\$164,000	0	\$164,000	0	\$164,000
421316 - Pumping Station - Blue Hill	0	\$486,113	0	\$486,113	0	\$486,113
421321 - Pumping Station - Brennan Pools	0	\$92	0	\$92	0	\$92
421336 - Pumping Station - Conner	0	\$880,513	0	\$880,513	0	\$880,513
421341 - Pumping Station - Fairview	0	\$806,900	0	\$806,900	0	\$806,900
421346 - Pumping Station - Fisher	0	\$17,000	0	\$17,000	0	\$17,000
421351 - Pumping Station - Fox Creek	0	\$3,300	0	\$3,300	0	\$3,300
421356 - Pumping Station - Freud	0	\$1,135,000	0	\$1,135,000	0	\$1,135,000
421366 - Pumping Station - Northeast	0	\$943,600	0	\$943,600	0	\$943,600
421371 - Pumping Station - Oakwood	0	\$114,000	0	\$114,000	0	\$114,000
421381 - Pumping Station - Woodmere	0	\$88,657	0	\$88,657	0	\$88,657
APPROPRIATION TOTAL	0	\$14,547,226	0	\$14,537,311	0	\$14,537,311
ACTIVITY TOTAL	0	\$14,547,226	0	\$14,537,311	0	\$14,537,311

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriations - Summary Objects

	2012-13 Redbook	2013-14 Dept Final Request	2013-14 Mayor's Budget Rec
AC3542 - IT & Systems Integration - Sewer			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	2,365,671	1,873,038	1,873,038
EMPBENESL - Employee Benef	1,792,145	1,583,391	1,583,391
OPERSVCSL - Operating Servic	4,638,875	4,638,875	4,638,875
OTHEXPSSL - Other Expenses	5,750,535	6,442,007	6,442,007
<i>A42000 - Sewerage Department</i>	<i>14,547,226</i>	<i>14,537,311</i>	<i>14,537,311</i>
AC3542 - IT & Systems Integration - Sewe	14,547,226	14,537,311	14,537,311
Grand Total	14,547,226	14,537,311	14,537,311

SEWERAGE (42)

PUBLIC AFFAIRS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: PUBLIC AFFAIRS GROUP

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 Public Affairs, Commercial Operations and Meter Operations divisions.

The Public Affairs Division develops and implements strategic communication initiatives that raise awareness of important DWSD activities and programs and provides 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 customers, and stakeholders accurate and timely information. Public Affairs Division provides complete audiovisual services 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 and customer billing dispute hearings.

The Meter Operations Division manages the meters for DWSD wholesale suburban, residential retail and commercial/industrial customers, emphasizing meter repair, calibration or replacement. Meter Operations processes the metering data and coordinates with Commercial Operations Division for retail and suburban wholesale customer billing. This division maintains the 900MHz Radio Network for the wholesale suburban meter pit communication, the Retail AMR collector unit network, and the Wholesale Automatic Meter Reading portal. Customers monitor their usage, pressure and flow profiles using interactive charts and graphs. Meter Operations also provides instrumentation and controls maintenance support for the water production/distribution and wastewater collection systems.

GOALS:

1. To implement a comprehensive agency-wide reference source.
2. To fully deploy Legistar document management system for the Board of Water Commissioners documentation.
3. To ensure widespread internal knowledge of DWSD's Optimization Project and to develop a well-informed employee base.
4. To educate and inform both retail and wholesale customers and the community about important initiatives, DWSD's Optimization Project, and water issues.
5. To increase self-service delivery options to the retail customer base.
6. To 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 shutoffs, and stem potential water wastage from vacant/foreclosed properties.
7. 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. Complete the AMR equipment installation on the remaining retail accounts to improve the meter reading accuracy. Work with various vendors to test and implement the RAMR portal for the retail and commercial/industrial customer, where customers will be able to monitor their hourly/daily/monthly water usage using various interactive charts and graphs. Meter Operations will work with DWSD's Public Affairs Division to educate and inform retail and commercial/industrial customers about the functions and features of the RAMR portal.

SEWERAGE (42)

MAJOR INITIATIVES FOR FY 2012-2013:

- Accept debit/credit cards at customer service center locations.
- Deploy Legistar Document Management system for BOWC.
- Develop informational programs for customer service benefits in order to increase customer satisfaction and reduce demands on customer service representatives and centers.
- Raise awareness of DWSD assistance programs including budget plan.
- Build the library of online resources available to wholesale and retail customers to enhance communication and reduce demands on staff resources.
- Introduce 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.
- Finalize "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 and Steering Committee.
- Update strategic communication initiatives to proactively address issues arising from a new state administration, reconfigured BOWC, new director's leadership goals and DWSD's Optimization Project.
- Support all planned customer service improvements through direct customer communication and education, direct mailings and on DWSD website.
- Implement Bill to Name procedures to place actual owner/occupant name on all accounts.
- Improve the collectability of debt through modifications that capture and maintain customer information.
- Implement Storm Water Drainage Module to enhance billing and have the Customer Billing and Management system mirror parcel information to ensure that all accounts 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 agreement being defaulted.
- Reduce the number of accounts referred to the City of Detroit Treasurer.
- Evaluate and award the contract to enhanced collection services.
- Implement customer billing and management system upgrade in April 2013.
- Implement security recommendations contained in the June 2010 KPMG Audit to the Customer Billing and Management System.
- Address water wastage at vacant properties by reducing the wait time to discontinue service.
- Upgrade the Work Force Management System ServiceLink to version 5.2.
- Evaluate and award the contract Technical Support Services for the Wholesale Automatic Meter Reading System, Retail Automatic Meter Reading System, and Mobile Work Force Management System.
- Evaluate and award contract for Meter Installers for AMR Installation Project II to complete the Automatic metering equipment at remaining retail accounts.
- Started the program to annually test or replace the Top 200 users in retail system (commercial/industrial customers).
- Improved business process to investigate the exceptions reported in the Retail Automatic Meter Reading system. The division was able to cut the backlog in half with the improved process.
- Complete the study report for the worst fifty (50) wholesale water meter sites improvements for suburban customers.
- Evaluating products from various vendors for the Retail Automatic Meter Reading portal for the retail and commercial/industrial customer, where customers will be able to monitor their hourly/daily/monthly water usage using various interactive charts and graphs.
- Evaluating new business process for removed retail meters. Test removed retail meters by exception only (on customer's request), resulting in cost savings for the department.

SEWERAGE (42)

PLANNING FOR THE FUTURE FOR FY 2013-14, FY 2014-15 and BEYOND:

- Develop e-newsletter to go to Detroit customers who have signed up for online services.
- Explore use of online survey tools to identify customer information needs and develop programs to address those needs in order to better meet customer demands.
- 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 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.
- Better 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.
- Implement the Retail Automatic Meter Reading portal.
- Upgrade the Mobile Work Force Management System ServiceLink to version 5.3. The new features include the vehicle tracking using AVL GPS system, and mobile crew monitoring using tablet pc or smart phone.
- Integrate Oracle Work and Asset Management Software with Mobile Work Force Management System ServiceLink to improve the business process for water turn-on and turn-offs. This will improve the work flow between Meter Operations, Commercial Operations and Maintenance & Repair divisions.
- Evaluate and award the contract for worst wholesale water meter site improvements for suburban customers.
- 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.
- Upgrade the Retail Automatic Meter Reading System, fixed network to enhance data packet processing and reporting.
- Implement new meter test policy for retail accounts.

SEWERAGE (42)

PUBLIC AFFAIRS MEASURES AND TARGETS

Type of Performance Measure:	2010-11	2011-12	2012-13	2013-14
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	\$8,941,620	\$8,304,225	\$12,070,178	\$14,785,673

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of the Assistant Director -Public Af Public Affairs Group - Sewerage	2012-13 Redbook		2013-14 Dept Final Request		2013-14 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION</i>						
<i>ORGANIZATION</i>						
12759 - Public Affairs Group - Sewerage						
421021 - Office of the Assistant Director -Public	0	\$746,828	0	\$625,429	0	\$625,429
421211 - Customer Outreach	0	\$552,500	0	\$600,000	0	\$600,000
421221 - Commercial Operations	0	\$5,855,041	0	\$5,204,105	0	\$5,204,105
421226 - Customer Billing	0	\$844,600	0	\$1,026,092	0	\$1,026,092
421231 - Customer Service - Detroit	0	\$44,935	0	\$44,801	0	\$44,801
421236 - Collections	0	\$223,073	0	\$2,580,112	0	\$2,580,112
421241 - Addressograph	0	\$974,740	0	\$1,104,522	0	\$1,104,522
421246 - Meter Reading	0	\$9,000	0	\$7,800	0	\$7,800
421251 - Meter Operations	0	\$1,957,759	0	\$2,179,156	0	\$2,179,156
421256 - Meter Records	0	\$9,807	0	\$11,478	0	\$11,478
421261 - Meter Shop	0	\$166,982	0	\$266,082	0	\$266,082
421266 - Meter Instrumentation Shop	0	\$684,913	0	\$1,136,096	0	\$1,136,096
APPROPRIATION TOTAL	0	\$12,070,178	0	\$14,785,673	0	\$14,785,673
ACTIVITY TOTAL	0	\$12,070,178	0	\$14,785,673	0	\$14,785,673

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriations - Summary Objects

	2012-13 Redbook	2013-14 Dept Final Request	2013-14 Mayor's Budget Rec
AC4042 - Public Affairs Group - Sewerage			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	4,772,451	4,482,161	4,482,161
EMPBENESL - Employee Benef	3,634,524	3,261,220	3,261,220
OTHEXPSSL - Other Expenses	3,663,203	7,042,292	7,042,292
<i>A42000 - Sewerage Department</i>	<i>12,070,178</i>	<i>14,785,673</i>	<i>14,785,673</i>
AC4042 - Public Affairs Group - Sewerage	12,070,178	14,785,673	14,785,673
Grand Total	12,070,178	14,785,673	14,785,673

SEWERAGE (42)

PROCESS AND QUALITY CONTROL ACTIVITY INFORMATION

The **Process and Quality Control Division** is responsible for the following programs: training, safety, quality control, and document management throughout the Water and Sewerage 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 departmentwide program for, which includes records appraisal, retention and disposition, protection and information management technology.

The 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 departmentwide 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 section is also responsible for providing formal and informal training sessions.

The **Training and Education Section** plans, develops, schedules and delivers training courses for departmentwide 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 and documenting the training and maintaining the training records. 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.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Document Management	2012-13		2013-14		2013-14	
	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	\$135,226	4	\$132,358	4	\$147,427
421066 - Training	6	\$306,793	4	\$221,788	4	\$246,494
421071 - Safety	8	\$266,379	6	\$309,842	6	\$368,800
421091 - Environmental and Regulatory Affairs	3	\$628,292	1	\$650,976	1	\$717,348
APPROPRIATION TOTAL	22	\$1,336,690	15	\$1,314,964	15	\$1,480,069
ACTIVITY TOTAL	22	\$1,336,690	15	\$1,314,964	15	\$1,480,069

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriations - Summary Objects

	2012-13 Redbook	2013-14 Dept Final Request	2013-14 Mayor's Budget Rec
AC4542 - Process and Quality Control Service			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	482,034	362,537	362,537
EMPBENESL - Employee Benef	359,790	358,587	523,692
PROFSVCSL - Professional/Cor	787,300	787,300	787,300
OPERSUPSL - Operating Suppli	94,887	94,887	94,887
OPERSVCSL - Operating Servic	107,547	107,547	107,547
OTHEXPSSL - Other Expenses	(494,868)	(395,894)	(395,894)
<i>A42000 - Sewerage Department</i>	1,336,690	1,314,964	1,480,069
AC4542 - Process and Quality Control Ser	1,336,690	1,314,964	1,480,069
Grand Total	1,336,690	1,314,964	1,480,069

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriation Summary - Revenues

	2011-12 Actuals	2012-13 Redbook	2013-14 Dept Final Request	2013-14 Adopted Budget	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	1,161,345	0	0	0	0
461101 - Unrealized Gain	87,793	0	0	0	0
<i>00759 - Sewage Bond Reserve</i>	<i>1,249,138</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	20,870	1,583,000	369,800	369,800	0
461101 - Unrealized Gain	16,517	0	0	0	0
522110 - Project Borrowings	0	13,800,000	5,500,000	5,500,000	0
<i>00838 - State Revenue Sharing - Stat</i>	<i>37,387</i>	<i>15,383,000</i>	<i>5,869,800</i>	<i>5,869,800</i>	<i>0</i>
<i>04828 - Revenue - Sewerage Receiving</i>					
413155 - Sewer Tap Fees	231,200	0	0	0	0
441100 - Other Labors and Mate	138,618	100,000	100,000	100,000	0
447236 - City of Detroit IWC Cha	4,393,183	0	0	0	0
447237 - Highway Drainage	1,558,330	0	0	0	0
447240 - Industrial Waste Surch	15,900,588	0	0	0	0
447246 - IWC Penalties - Detroit	63,033	0	0	0	0
447247 - IWC Penalties - Suburt	3,250	0	0	0	0
447250 - Sewage Treatment Sal	204,666,328	243,205,300	246,015,400	246,015,400	0
447255 - Sewage Treatment - W	227,634,676	265,216,100	272,877,300	272,877,300	0
447260 - Pollutant Surcharges	2,740,814	4,154,500	5,750,000	5,750,000	0
447285 - Sewage Disposal -Dep	617,325	0	0	0	0
447287 - Septic Tank Disposal	57,071	0	0	0	0
447300 - Other Utility Revenue	11,560,021	0	0	0	0
448115 - Other Fees	1,372,797	4,900,000	4,900,000	4,900,000	0
461100 - Earnings On Investmer	8,699	75,000	75,000	75,000	0
462241 - Rent of Building and S	22,800	0	0	0	0
472117 - Late Payment Fee	3,259,704	0	0	0	0
472150 - Other Miscellaneous	1,717,351	0	0	0	0
472220 - Ng Check Service Cha	1,571	0	0	0	0
474100 - Miscellaneous Receipts	0	3,708,145	285,355	285,355	0
<i>04828 - Revenue - Sewerage Receiving</i>	<i>475,947,359</i>	<i>521,359,045</i>	<i>530,003,055</i>	<i>530,003,055</i>	<i>0</i>
<i>04829 - Revenue - Sewerage Operation - Mainte</i>					
461100 - Earnings On Investmer	5,623	307,900	157,000	157,000	0
472150 - Other Miscellaneous	2,920	0	0	0	0
<i>04829 - Revenue - Sewerage Operati</i>	<i>8,543</i>	<i>307,900</i>	<i>157,000</i>	<i>157,000</i>	<i>0</i>

CITY OF DETROIT
Budget Development for FY 2013-2014
Appropriation Summary - Revenues

	2011-12 Actuals	2012-13 Redbook	2013-14 Dept Final Request	2013-14 Adopted Budget	Variance
A42000 - Sewerage Department					
<i>00168 - Interest and Bond Redemption</i>					
461100 - Earnings On Investmer	2,085,973	1,769,600	674,000	674,000	0
461175 - Change in Fair Value o	65,954,994	0	0	0	0
<i>00168 - Interest and Bond Redemptio</i>	<i>68,040,967</i>	<i>1,769,600</i>	<i>674,000</i>	<i>674,000</i>	<i>0</i>
<i>00169 - Sewerage System Improvements</i>					
461100 - Earnings On Investmer	1,016,792	332,800	129,400	129,400	0
461101 - Unrealized Gain	54,055	0	0	0	0
<i>00169 - Sewerage System Improveme</i>	<i>1,070,847</i>	<i>332,800</i>	<i>129,400</i>	<i>129,400</i>	<i>0</i>
<i>00443 - Extraordinary Repairs and Replacement</i>					
461100 - Earnings On Investmer	314,763	345,000	164,100	164,100	0
461101 - Unrealized Gain	33,400	0	0	0	0
<i>00443 - Extraordinary Repairs and Re</i>	<i>348,163</i>	<i>345,000</i>	<i>164,100</i>	<i>164,100</i>	<i>0</i>
<i>11488 - Sewerage Bond Fund Series 2005</i>					
461100 - Earnings On Investmer	17,223	0	0	0	0
461101 - Unrealized Gain	1,750	0	0	0	0
<i>11488 - Sewerage Bond Fund Series</i>	<i>18,973</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>11924 - Sewerage Second Lien Bond Reserve F</i>					
461100 - Earnings On Investmer	285,454	0	0	0	0
<i>11924 - Sewerage Second Lien Bond</i>	<i>285,454</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>12139 - Sewerage Bond Fund Series 2007</i>					
461100 - Earnings On Investmer	602	0	0	0	0
<i>12139 - Sewerage Bond Fund Series</i>	<i>602</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
A42000 - Sewerage Department	547,110,680	539,497,345	536,997,355	536,997,355	0
Grand Total	547,110,680	539,497,345	536,997,355	536,997,355	0

**CITY OF DETROIT
MAYOR'S 2013-2014 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2012	2013 FTE	FY 2013	2014 FTE	2013	2014 FTE
Classification						
00089 - Administration						
421095 - Capital Management						
Head Eng - Water Sys-Operation	1		1		1	
Sr Governmental Analyst	2		1		1	
Total Capital Management	3		2		2	
421100 - Print Shop						
Supervisor of Printing	1		1		1	
Offset Printer	1		1		1	
Total Print Shop	2		2		2	
Total Administration	5		4		4	
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	
Engineer of Wastewater Systems	1		0		0	
Manager I - DWSD	1		0		0	
Manager II - DWSD	1		0		0	
Total Office of Assistant Director of Wastewa	5		2		2	
425020 - Plant Administration						
Chief Sewage Plant Engineer	1		0		0	
Office Management Assistant	2		1		1	
Admin Asst GD II - DWSD	2		2		2	
Head Clerk	2		1		1	
Principal Clerk	3		4		4	
Senior Clerk	8		7		7	
Office Assistant III	2		2		2	
Office Assistant II	2		1		1	
Engineer of Water Systems	3		1		1	
Head Eng - Water Sys - Design	1		1		1	
Head Civil Eng - Field	1		0		0	
Sr Assoc Civil Eng - Design	2		1		1	
Sr Assoc Mech Eng - Design	4		0		0	

**CITY OF DETROIT
MAYOR'S 2013-2014 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2012	2013 FTE	FY 2013	2014 FTE	2013	2014 FTE
Classification						
00162 - Wastewater Plant Operations						
 425020 - Plant Administration						
Sr Assoc Mech Eng - Waste	1		1		1	
Associate Civil Eng - Design	5		1		1	
Assoc Chem Eng-Wastewater Sys	4		3		3	
Assoc Mech Eng -Wastewater Sys	4		2		2	
Assoc Mech Eng - Design	1		0		0	
Sr Assoc Elect Eng - Waste	3		0		0	
Sr Asst Civil Eng - Wastewater	5		2		2	
Sr Asst Elect Eng - Design	1		3		3	
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		6		6	
Senior Water Systems Chemist	13		12		12	
Water Systems Chemist	39		30		30	
Senior Analytical Chemist	8		5		5	
Analytical Chemist	25		25		25	
Microbiologist	1		1		1	
Drafting Technician III	4		0		0	
Assoc Elect Eng - Design	3		0		0	
Plant Maintenance Sr Foreman	4		4		4	
Plant Maintenance Foreman	5		8		8	
Carpenter Sub-Foreman	1		0		0	
Plant Maintenance Sub-Foreman	12		9		9	
Plant Maintenance Mechanic	46		40		40	
Plant Equip Operation Mechanic	8		7		7	
Repair Mechanic	33		26		26	
Water Sys Cntrl Instr Tech	15		13		13	
Control Instru Tech -Foreman	1		0		0	
Cont Instr Tech Sub-Foreman-Wa	4		0		0	
Water Systems Laboratory Aid	2		2		2	
Elect Worker Foreman	1		0		0	

**CITY OF DETROIT
MAYOR'S 2013-2014 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2012	2013 FTE	FY 2013	2014 FTE	2013	2014 FTE
Classification						
00162 - Wastewater Plant Operations						
425020 - Plant Administration						
Elect Worker Sub-Foreman	2		4		4	
Elect Worker - General	29		21		21	
Elect Repair Worker - General	3		2		2	
Maintenance Millwright	10		9		9	
Painter Sub-Foreman	1		0		0	
Finish Painter	2		0		0	
Finish Carpenter	2		2		2	
Bricklayer	2		2		2	
General Welder	2		2		2	
Master Plumber	1		1		1	
Plumber	17		16		16	
Sewage Plant Attendant	12		14		14	
Steamfitter	3		1		1	
Head Constr Inspector - DWSD	1		1		1	
Sr Construction Inspector	4		4		4	
Construction Inspector	2		2		2	
Supervising Bldg Attendant I	1		0		0	
Building Attendant A	13		15		15	
Park Maintenance Foreman	1		0		0	
Park Maintenance Worker	3		3		3	
Park Maintenance Helper	2		1		1	
WWTP Maintenance Superintenden	1		0		0	
Sewage Plant Laboratory Sprv	1		1		1	
Asst Sewage Plant Oper Super	1		1		1	
Asst Sewage Plant Lab Sprv	1		1		1	
Sewage Plant Supervisor	7		5		5	
Head Sewage Plant Operator	5		4		4	
Asst Head Sewage Plant Oper	26		21		21	
Sr Sewage Plant Operator	20		19		19	
Wastewater Process Controller	6		6		6	
Sewage Plant Operator	184		184		184	

**CITY OF DETROIT
MAYOR'S 2013-2014 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2012	2013	FY 2013	FY 2014	2013	2014
Classification			FTE		FTE	
00162 - Wastewater Plant Operations						
425020 - Plant Administration						
Vehicle Operator III	1		0		0	
Vehicle Operator I	3		2		2	
Delivery - Driver	2		1		1	
Plumber Apprentice	2		2		2	
Maint Millwright Apprentice	1		1		1	
Elect Worker Apprentice	2		1		1	
Sr Assoc Elect Eng - Design	0		1		1	
Head Eng - Water Sys-Operation	0		1		1	
Asst Wastewater Process Contro	0		1		1	
Sr Water Sys Lab Technician	0		1		1	
Prin Construct Inspector-DWSD	0		1		1	
General Manager - DWSD	0		1		1	
Assoc Civil Eng Wastewater Sys	0		1		1	
Sr Asst Civil Eng - Design	0		2		2	
Sr Asst Chem Eng Wastewater	0		2		2	
Total Plant Administration	665		586		586	
425140 - I. W. C. Field Monitoring						
Manager I - DWSD	1		1		1	
Administrative Specialist I	1		0		0	
Indus Waste Control Mgr	1		0		0	
Chemical Engineer	1		1		1	
Sr Assoc Chem Eng-Indust Waste	2		2		2	
Assoc Chem Eng-Wastewater Sys	8		8		8	
Sr Asst Chem Eng Indus Waste	11		9		9	
Sr Indus Wastewater System	4		2		2	
Principal Governmental Analyst	1		2		2	
Head Clerk	1		1		1	
Principal Clerk	1		1		1	
Senior Clerk	3		4		4	
Eng Support Specialist II	3		2		2	
Environmental Specialist III	1		1		1	

**CITY OF DETROIT
MAYOR'S 2013-2014 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2012	2013 FTE	FY 2013	2014 FTE	2013	2014 FTE
Classification						
00162 - Wastewater Plant Operations						
425140 - I. W. C. Field Monitoring						
Head Constr Inspector - DWSD	1		1		1	
Water Systems Investigator	9		8		8	
Asst Water Sys Investigator	8		8		8	
Senior Building Attendant	1		1		1	
Building Attendant A	1		1		1	
Sprv of Indust Waste Control	0		1		1	
Asst Dir -DWSD Wastewater Oper	0		1		1	
	<hr/>		<hr/>		<hr/>	
Total I. W. C. Field Monitoring	59		55		55	
425395 - Puritan / Fenkell						
Head Eng - Water Sys - Design	1		0		0	
Sr Assoc Elect Eng - Design	1		0		0	
Sr Assoc Mech Eng - Design	2		0		0	
Sr Asst Mech Eng - Wastewater	2		0		0	
Associate Civil Eng - Design	2		0		0	
Assoc Elect Eng - Design	2		0		0	
Head Sewage Plant Operator	1		0		0	
Wastewater Treatment Plant Tec	17		17		17	
Office Assistant III	1		1		1	
Head Eng - Water Sys-Operation	0		1		1	
Sr Asst Mech Eng - Design	0		2		2	
	<hr/>		<hr/>		<hr/>	
Total Puritan / Fenkell	29		21		21	
Total Wastewater Plant Operations	758		664		664	
05831 - Engineering Services - Sewage						
423020 - Engineering Administrative Services						
Assoc Elect Eng - Design	1		0		0	
Sr Asst Civil Eng - Wastewater	1		0		0	
Sr Asst Elect Eng - Wastewater	2		0		0	
Prin Construct Inspector-DWSD	2		0		0	
	<hr/>		<hr/>		<hr/>	
Total Engineering Administrative Services	6		0		0	
Total Engineering Services - Sewage	6		0		0	

**CITY OF DETROIT
MAYOR'S 2013-2014 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2012	2013 FTE	FY 2013	2014 FTE	2013	2014 FTE
Classification						
13315 - Process and Quality Control Group						
421031 - Document Management						
Admin Asst GD II - DWSD	1		0		0	
Principal Clerk	1		1		1	
Office Assistant II	1		1		1	
Messenger	2		2		2	
Total Document Management	5		4		4	
421066 - Training						
Wastewater Systems Trng Sprv	1		1		1	
Principal Training Specialist	1		0		0	
Senior Training Specialist	2		1		1	
Maintenance Millwright	1		1		1	
Senior Clerk	1		1		1	
Total Training	6		4		4	
421071 - Safety						
Master Electrician of Record	1		1		1	
Supervising Safety Officer	2		2		2	
Safety Officer	3		1		1	
Office Assistant III	2		2		2	
Total Safety	8		6		6	
421091 - Environmental and Regulatory Affairs						
Proc & Qual Control Mgr-DWSD	1		1		1	
Principal Governmental Analyst	1		0		0	
Office Assistant III	1		0		0	
Total Environmental and Regulatory Affairs I	3		1		1	
Total Process and Quality Control Group	22		15		15	
Agency Total	791		683		683	