

00- 2-1209

(Do Not Write Above This Line)

A RESOLUTION BY

CITY UTILITIES COMMITTEE

AUTHORIZING THE MAYOR OR HIS DESIGNEE TO ENTER INTO AMENDMENT NO. 4; AND TO ENTER INTO RENEWAL AGREEMENT NO. 2 WITH ATLANTA SEWER GROUP, JOINT VENTURE FOR FC-6244-95B, INSPECTION AND FLOW MEASUREMENT OF COMBINED SEWERS AND SANITARY SEWERS IN AN AMOUNT NOT TO EXCEED FOUR MILLION SEVEN HUNDRED TEN THOUSAN DOLLARS (\$4,710,000.00) ON BEHALF OF THE DEPARTMENT OF PUBLIC WORKS. ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND ACCOUNT AND CENTER NUMBER: 2J26 524001 M24102238999.

ADOPTED BY

AUG 07 2000

- CONSENT REFER
- REGULAR REPORT REFER
- ADVERTISE & REFER **COUNCIL**
- 1st ADOPT 2nd READ & REFER
- PERSONAL PAPER REFER

Date Referred

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First Reading

Committee _____
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FINAL COUNCIL ACTION
 2nd
 1st & 2nd Readings
 3rd
 Consent
 V Vote
 RC Vote

CERTIFIED

CERTIFIED
AUG 7 2000

CERTIFIED
AUG 07 2000

Randy Daughlin Johnson
MUNICIPAL CLERK

MAYOR'S ACTION

APPROVED

AUG 17 2000

[Signature]



A RESOLUTION BY

00-R-1209

CITY UTILITIES COMMITTEE

AUTHORIZING THE MAYOR OR HIS DESIGNEE TO ENTER INTO AMENDMENT NO. 4; AND TO ENTER INTO RENEWAL AGREEMENT NO. 2 WITH ATLANTA SEWER GROUP, JOINT VENTURE FOR FC-6244-95B, INSPECTION AND FLOW MEASUREMENT OF COMBINED SEWERS AND SANITARY SEWERS IN AN AMOUNT NOT TO EXCEED FOUR MILLION SEVEN HUNDRED TEN THOUSAN DOLLARS (\$4,710,000.00) ON BEHALF OF THE DEPARTMENT OF PUBLIC WORKS. ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND ACCOUNT AND CENTER NUMBER: 2J26 524001 M24I02239999.

WHEREAS, the City of Atlanta did enter into an agreement with Consultant for FC-6244-95B, Inspection and Flow Measurement of Combined Sewers and Sanitary Sewers in an amount not to exceed Five Hundred Thousand Dollars (\$500,000.00); and

WHEREAS, the City did enter into Renewal Agreement No. 1 for Inspection and Flow Measurement of Combined Sewers and Sanitary Sewers with the Consultant in an amount not to exceed Five Hundred Thousand Dollars (\$500,000.00); and

WHEREAS, the City did enter into an Amendment Agreement No. 1 for Continuation of Support Services for the Sanitary Sewer Overflow (SSO) Investigation and Tracking Program and the Capacity Certification Tracking Program in support of the First Amended Consent Decree with the Consultant in an amount not to exceed One Million Two Hundred Fifty Thousand Dollars (\$1,250,000.00); and

WHEREAS, the City did enter into an Amendment Agreement No. 2 for support of the Sewer System Evaluation Survey in the East Area Combined Sewer System with the Consultant in an amount not to exceed Four Hundred Seventy Three Thousand Dollars (\$473,000.00); and

WHEREAS, the City did enter in an Amendment Agreement No. 3 for Facilities Planning Activities, Preliminary Design Support, and continuation of Support Services for the Grease Management Plan, Sanitary Sewer (SSO) Investigation and Tracking Program and the Capacity Certification Program so as to continue the implementation of the First Amended Consent Decree with the Consultant in an amount not to exceed One Million Seven Hundred Fifty Thousand Dollars (\$1,750,000.00); and

WHEREAS, it is necessary to increase the scope of services to be provided by the Consultant to perform Program Management Services; to perform Baseline Sanitary Sewer Overflow (SSO) Services and to provide Combined Sewer Overflow (CSO) Baseline Services; to perform Public Information Program; continuation of Support Services for the Facilities Planning Activities, Prepare Preliminary Design Information,



Grease Management Plan, Sanitary Sewer Overflow (SSO) Investigation and tracking Program and the Capacity Certification Program so as to continue the implementation of the first Amended Consent Decree; and

WHEREAS, said contract contained an option to renew for two (2) additional one (1) year periods; and

WHEREAS, the Consultant has performed the contracted services satisfactorily; and

WHEREAS, the Commissioner of the Department of Public Works and the Director of the Bureau of Purchasing and Real Estate have recommended Amendment Agreement No. 4 and Renewal Agreement No. 2, for Inspection and Flow Measurement of Combined and Sanitary Sewers to be executed with Atlanta Sewer Group, A Joint Venture in an amount not to exceed Four Million Seven Hundred Ten Thousand Dollars (\$4,710,000.00)

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF ATLANTA, GEORGIA, that the Mayor or his designee be and is hereby authorized to enter in Amendment No. 4 and Renewal Agreement No. 2 for FC-6244-95B, Inspection and Flow Measurement of Combined and Sanitary Sewers with Atlanta Sewer Group, A Joint Venture in an amount not to exceed Four Million Seven Hundred Ten Thousand Dollars (\$4,710,000.00); and

BE IT FURTHER RESOLVED, that the Director of the Bureau of Purchasing and Real Estate be and is hereby directed to prepare an appropriate Amendment Agreement and Renewal Agreement for execution by the Mayor, to be approved by the City Attorney as to form.

BE IT FURTHER RESOLVED, that Amendment No. 4 and Renewal Agreement No. 2 shall not become binding on the City, and the City shall incur no liability upon same until such contract has been executed by the Mayor and delivered to the contracting party.

BE IT FINALLY RESOLVED, that all services for said contracted work shall be charged to and paid from fund account and center number: 2J26 524001 M24I2339999.

A true copy,

Phonda Dauphin Johnson
Municipal Clerk, CMC

ADOPTED by the Council
APPROVED by the Mayor

AUG 07, 2000
AUG 13, 2000



EXHIBIT A

Atlanta Sewer Group Amendment No. 4

**Continuing Assistance to the City with Implementation of
the Atlanta Wastewater Systems Improvement Program
for Six Additional Months**

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Atlanta Sewer Group Amendment No. 4

Continuing Assistance to the City with Implementation of
the Atlanta Wastewater Systems Improvement Program
for Six Additional Months

Introduction and Background

Why is this amendment needed?

The City of Atlanta has experienced rapid growth and must plan and construct improvements to its wastewater system in an organized and cost-effective program to maintain a high level of service to its citizens. The City has also entered into agreements with Georgia Environmental Protection Division (EPD) and United States Environmental Protection Agency (EPA) in the form of negotiated consent decrees.

This amendment is needed to improve service and perform the tasks listed in the Combined Sewer Overflow (CSO) and the First Amended Consent Decrees recorded in the Federal Court as final orders on September 1998 and December 1999, respectively, and to implement the resulting construction projects. Copies of the two Consent Decrees are attached with this document.

This section provides a background of the CSO and the First Amended Consent Decrees and presents the scope of work for the City of Atlanta Wastewater Systems Improvement Program. The scope of work and schedule are included for implementation of Consent Decree driven milestones. Figure 1 shows the timeline of both Consent Decrees.

Consequences of not meeting the Milestones of the Consent Decrees

Building moratoriums can be imposed by the EPD for not meeting conditions as specified in the First Amended Consent Decree. Portions of the City's sewer system are at or near capacity, and thus, require rapid repair or expansion to avoid a building moratorium.

The two Consent Decrees have stipulated penalties for not meeting the dates specified therein and civil penalties for sanitary overflows in the sewer system.

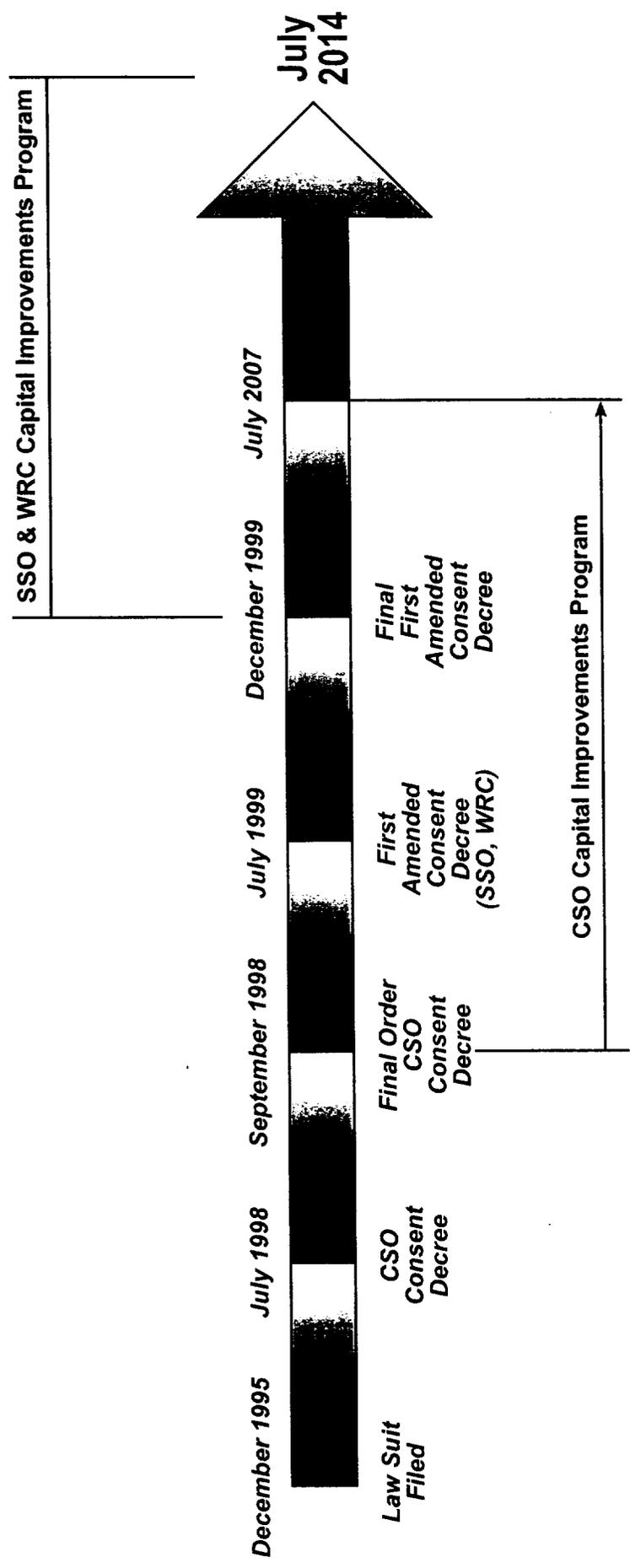
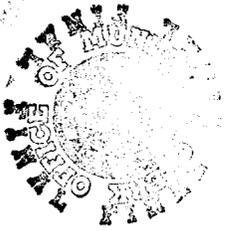
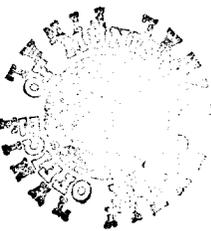


Figure 1
Timeline of Consent Decrees Milestones



For example, for failure to meet the Consent Decree dates for submittals; for each deliverable, the City is penalized \$2,000 per day for up to 30 days delay, \$5,000 per day from day 31 to 60, and \$8,500 per day for delays over 60 days.

The same penalties apply for failure to correct deficiencies identified in EPA audits. Higher penalties are specified for not meeting completion dates for remedial measures; (up to \$15,500 per day) as specified in the two Consent Decrees. Failure to meet completion dates for the Water Reclamation Center (WRCs) capital improvement will result in penalties starting at \$25,000 per day up to \$100,000 per day.

Not meeting the final capital project completion dates for sewer improvements in capacity limited basins (Nancy Creek, North and South Fork of Peachtree Creek identified in Exhibit C), and permitting new sewer connections while sewer capacity is not certified, can result in fines over \$1 million and building moratoriums in the City.

Background of CSO and the First Amended Consent Decrees

In December 1995, the Upper Chattahoochee Riverkeeper and other citizens filed a lawsuit against the City of Atlanta challenging the method chosen by the City to comply with the phosphorous reduction requirements at the WRCs. The suit also alleged violation of permits for newly constructed combined sewer overflow (CSO) treatment facilities (Tanyard Creek, Proctor Creek-North Avenue, Proctor Creek-Greensferry). The phosphorus claim was subsequently dismissed; however, it was determined that the three CSO treatment facilities had violated National Pollutant Discharge Elimination System (NPDES) permits regarding monitoring, effluent quality and other requirements. This triggered initiation of negotiations of a Consent Decree between the Riverkeeper and the City, with EPA and EPD joining those negotiations later that year after concluding their own investigations.

EPA and EPD identified concerns regarding management, operations and maintenance (MOM) programs for City Water Reclamation Centers (WRCs), CSO treatment facilities, gravity sewer and transmission system pipes and pumping stations, and recommended capital improvements. Although the City disagreed with several of the findings, it recognized that many City facilities required upgrade and expansion and that the City should improve its MOM programs. The City identified several necessary Capital Improvement Projects and arranged financing for them through a \$1.1 billion bond issuance in early 1999.

CSO Consent Decree

Beginning in January 1998, EPA and EPD joined representatives of the City and the Riverkeeper for negotiations over terms of a Consent Decree. The purpose of the negotiations was to:

- Resolve allegations regarding the MOM programs for the CSO facilities,
- Determine the need for additional treatment facilities, and/or separation of the combined sewer system, and



- Identify the long-term CSO control plan for the City.

After formal approval by the City, EPA, EPD and the Riverkeeper, the CSO Consent Decree was lodged with the Court on July 13, 1998. Concurrent with lodging the CSO Consent Decree, EPA and EPD filed a complaint that included additional claims regarding WRCs and the sewer system, including pump stations. Following the close of a public comment period, the CSO Consent Decree was entered as a final order of the Court on September 24, 1998.

The CSO Consent Decree requires the City to implement remedial measures for CSO treatment facilities. Measures include development and implementation of a MOM program, construction of short-term improvements for existing CSO treatment facilities, and a 12-month study of impacts of the performance of the existing CSO Control facilities and development of a long-term control plan. To the extent necessary, the City will construct additional facilities ensuring that the City will not violate Georgia Water Quality Standards. The City must complete these capital improvements by July 2007.

The First Amended Consent Decree

In June 1998, City negotiators and EPA/EPD representatives resumed discussions regarding allegations involving WRCs and the collection and transport system. In late May 1999, negotiators reached a tentative settlement regarding WRCs and the collection and transport system. The draft First Amended Consent Decree was lodged in Federal Court on July 29, 1999 and the final order was entered in December 1999.

WRC Provisions of the First Amended Consent Decree

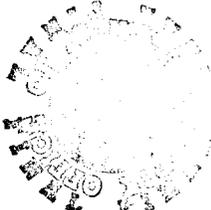
Remedial measures for WRCs incorporate the Georgia Senate Bill 500 schedule for the City to complete ongoing treatment plant upgrades. New facilities will allow the City to achieve tertiary level effluent quality more consistently and cost-effectively, and will eliminate use of chlorine as a bacterial disinfectant.

The City has achieved compliance with the first 15 construction milestone dates. The Consent Decree does not require other capital improvements due to the fact that EPA and EPD recognized that the City's ongoing capital improvements are comprehensive.

Other significant remedial measures for WRCs include improvement of MOM programs and implementation of a Laboratory Information Management System (LIMS). These programs help protect the City's investment in upgraded and expanded wastewater treatment facilities. EPA and EPD have approved the City's plan for MOM programs and the Laboratory Information Management System. The MOM implementation programs for the R.M. Clayton WRC are currently under review.

Sewer System Provisions of the First Amended Consent Decree

The First Amended Consent Decree also specifies remedial measures for the collection and transport system that include development and implementation of ten MOM



programs, completion of an extensive capital improvement program, and evaluation and remediation of sewer system problems.

The City will also evaluate current conditions of the sewer system and remedy deficiencies through capital improvement projects and repairs. As with the CSO Consent Decree, the City must develop and implement a comprehensive study program, and identify and correct the deficiencies in the sewer system.

The evaluation is phased to assess major trunk sewers first, and increasingly focus on smaller segments of the system. Evaluation will assess both separated and combined sewer systems. Thus, even if the City decides to continue or enhance treatment alternatives rather than pursue full sewer separation within the combined sewer area, the City may decide to separate segments of the system in connection with sewer evaluations and remedial measures required by the First Amended Consent Decree.

Final Completion of All Improvements under the First Amended Consent Decree Must be Completed by July 2014

The City will prioritize its sewer system into six sewer groups based on a macro-model of the entire system. Work in each group is staggered so that the City can focus its resources. The City will study each sewer group more thoroughly using expanded flow monitoring, a micro-model and a Sewer System Evaluation Study (SSES). These studies will identify capital improvements and repairs required for each part of the sewer system. The City must complete the capital improvements and repairs of the first Sewer Group no later than July 1, 2009. The completion date for the second and third Sewer Groups is July 1, 2011; completion date for the fourth and fifth Sewer Groups is July 1, 2013. All capital improvements and repairs in Sewer Group 6 must be completed no later than July 1, 2014.

Responsibility for Fines and Penalties

The CSO Consent Decree and the First Amended Consent Decree contain provisions for fines and stipulated penalties related to failure by the City to meet the requirements of the Consent Decrees. A major purpose of the Program Management covered by this Amendment No. 4 is to assist the City in complying with all provisions of the Consent Decrees to reduce and/or eliminate the risk of such fines and penalties. Due to the fact Amendment 4 assigns responsibility for oversight of all work associated with Consent Decree compliance to ASG, ASG agrees to assume responsibility for fines and penalties resulting from the following:

- ASG's failure to meet required dates for submittal of deliverables, which are solely within the direct control of ASG and/or its subcontractors. This liability shall be limited to the fees paid to ASG for preparation of such deliverables.
- ASG's certification of adequate capacity for one or more new building permits which may ultimately be determined by EPA/EPD to be in violation of the requirements of Section 8 of the First Amended Consent Decree and where such



capacity determination was performed in a negligent manner. This liability shall be limited to the fees paid to ASG for preparation of such deliverables.

ASG will not be responsible for payment of fines and penalties, in whole or in part, related to the following:

- Sewage overflows and spills-to-creek
- Failure of the City and its other consultants to meet deliverable submission dates.
- ASG's inability to track all overflows and spills-to creek where such inability is caused by the City's failure to make necessary work order and report files available to ASG.
- ASG's certification of adequate capacity for one or more new building permits which may ultimately be determined by EPA/EPD to be in violation of the requirements of Section 8 of the First Amended Consent Decree and where such capacity determination was not performed in a negligent manner.

Schedules and Milestones

Based on the scope of work contained in the two Consent Decrees, the program team has prepared detailed schedules with milestones. Summaries of the schedules for the CSO, Water Reclamation Centers (WRCs), Collection Systems, and Pump Station improvements are presented in Figures 2, 3, and 4. The detailed schedule of the 1,500 activities related to the Consent Decrees milestones is available under separate cover.

Preliminary Estimated Construction Cost of This Work

Over the next 14 years (the time span of the Consent Decrees), the estimated preliminary construction cost is as follows:

CSO related projects	\$885 million
Capital improvement projects	\$125 million
WRC projects	\$112 million
Sewer improvement projects	\$ 1.0 billion

An estimated cash flow projection for the next 14 years (by year) is presented in Table 1. These estimated construction costs are based upon very preliminary information and will continue to be refined as new information becomes available through the implementation of the Program.



**City of Atlanta
SSO CIP Project Schedule**

SSO Consent Decree Projects	Consent Decree Date						Cost Estimate
	1998	1999	2000	2001	2002	2003	
10th Ward (Part 1)*							\$3,465,000
10th Ward (Part 2)*							\$3,220,000
10th Ward (Part 3)*							\$1,351,000
10th Ward (Part 4)*							\$1,470,000
10th Ward (Part 5)*							\$5,610,000
10th Ward (Part 6)							\$5,102,674
North Fork Peachtree Creek Relief Sewer & NC Forcemain*							\$21,613,536
Peachtree Interceptor Relief Sewer*							\$9,512,000
Farimont/Glidden CSO Separation*							\$1,800,000
South Fork Peachtree Creek Relief Sewer*							\$24,976,000
Veterans Hospital Trunk Sewer Improvements							\$11,200,000
Indian Creek Trunk Relief Sewer							\$10,800,000
Pine Meadows Sewer Improvements							\$1,600,000
Orme Street Trunk Relief Sewer, Phase III*							\$22,950,000
Total (Consent Decree)							\$124,870,210

*-Funding from 1999 Series Bonds



**City of Atlanta
SSO CIP Project Schedule**

SSO CIP Projects	Project Duration												Cost Estimate				
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		2011	2012	2013	2014
11th Street Trunk Improvements																	\$6,210,000
Cured-in-Place Improvements+†																	\$22,000,000
General Sewer Improvements+†																	\$32,000,000
Gunite Improvements+†																	\$53,500,000
Intrinchment Creek Interceptor Improvements																	\$11,200,000
Mineral Springs Trunk Improvements																	\$9,940,000
Peachtree Interceptor Sewer Improvements+†																	\$9,200,000
Sugar Creek Trunk Improvements																	\$11,200,000
Tanyard Creek Sewer Improvements																	\$8,825,000
Annual Pipe Laying																	\$28,000,000
Annual Inspection/Flow Monitoring																	\$61,000,000
Nancy Creek Facility+†																	\$20,000,000
SG1 (2009)																	\$158,700,000
SG2 (2011)																	\$216,700,000
SG3 (2011)																	\$146,100,000
SG4 (2013)																	\$114,700,000
SG5 (2013)																	\$71,400,000
SG6 (2014)																	\$39,500,000
Total (SSO CIP Projects)																	\$266,875,000
Total (Remedial Actions SG1-SG6)																	\$745,100,000

+†Funding from 1999 Series Bonds



**City of Atlanta
Pump Stations, WRCs and CSO Projects Schedule**

Construction Type	Project Duration							Cost Estimate	
	2000	2001	2002	2003	2004	2005	2006		2007
Pump Station Projects ❖									\$5,236,990
Wastewater Reclamation Center Projects ❖									\$112,198,208
Combined Sewer Overflow Projects ❖❖									\$885,400,000

❖ Funding from 1999 Series Bonds
❖❖ \$30 million from 1999 Series Bonds

Source for Cost Estimates:
City of Atlanta Capital Improvement Program
 Official Statement, City of Atlanta Revenue Bonds Series 1999
 CH2M Hill
 Atlanta Sewer Group
 Jordan, Jones & Goulding
 City of Atlanta Water and Sewer Department Staff

City of Atlanta
Wastewater Improvement Program
2000-2014
Estimated Capital Construction Cost



Year	Sanitary Sewer Overflow (Consent Decree)	Sanitary Sewer Overflow (CIP Projects)	Sanitary Sewer Overflow Remedial Actions (SO1-SO6)	Combined Sewer Overflow (CSO)	Water Reclamation Centers (WRC)	Pump Stations	Annual Capital Construction Cost (CIP)
2000	\$31,217,552	\$24,166,667	\$0	\$30,000,000	\$64,432,743	\$2,618,495	\$149,816,962 +
2001	\$31,217,552	\$58,869,999	\$0	\$42,700,000	\$35,096,801	\$2,618,495	\$167,884,362 +
2002	\$31,217,552	\$66,487,489	\$800,000	\$85,400,000	\$9,645,247	\$0	\$183,660,298 +
2003	\$31,217,552	\$42,017,499	\$4,600,000	\$130,200,000	\$3,023,415	\$0	\$211,068,466
2004	\$0	\$7,166,666	\$46,800,000	\$144,900,000	\$0	\$0	\$198,866,666
2005	\$0	\$7,166,666	\$65,700,000	\$170,800,000	\$0	\$0	\$243,666,666
2006	\$0	\$7,166,666	\$115,200,000	\$153,300,000	\$0	\$0	\$275,666,666
2007	\$0	\$7,166,666	\$115,500,000	\$128,100,000	\$0	\$0	\$250,766,666
2008	\$0	\$7,166,666	\$108,000,000	\$0	\$0	\$0	\$116,166,666
2009	\$0	\$7,166,666	\$90,000,000	\$0	\$0	\$0	\$97,166,666
2010	\$0	\$4,666,666	\$62,500,000	\$0	\$0	\$0	\$87,166,666
2011	\$0	\$4,666,666	\$60,000,000	\$0	\$0	\$0	\$64,666,666
2012	\$0	\$7,666,666	\$27,000,000	\$0	\$0	\$0	\$34,666,666
2013	\$0	\$7,666,666	\$22,000,000	\$0	\$0	\$0	\$29,666,666
2014	\$0	\$7,666,666	\$6,000,000	\$0	\$0	\$0	\$13,666,666
Total CIP	\$124,870,208	\$266,874,990	\$745,100,000	\$886,400,000	\$112,198,206	\$5,236,990	\$2,139,880,394

‡ Does not include pump station cost



Scope of Services

The scope of services presented in this section has been specifically developed to meet the requirements of the two Consent Decrees. General description of the tasks presented here is for the level of effort (man-hours) described in Attachment A. The intent of this scope is to work under the direction of the City of Atlanta, as an extension of City staff, to effectively accomplish the tasks described in the two Consent Decrees. The major task groups presented in this section are:

- Program Management Services
- SSO Baseline Services
- CSO Baseline Services
- Public Information Program

Program Management Services

The following scopes of services describe tasks to be performed by the program management team for the City of Atlanta's Wastewater Systems Improvement Program. Services are broken down into a number of sub-tasks, many of which have common themes and requirements.

Program Administration

The program management team will be responsible for providing the following administrative services to the City:

- program accounting,
- progress reports, and
- compliance reporting.

In addition, the consultant program management team will provide all clerical, administrative, document preparation support and necessary office services to support the above activities.

Program Management

The program management concept and process will include management of specific groups of projects and individual capital improvement projects. Depending on the size, cost, schedule, and complexity of a project, full-time or part-time staff, such as engineers, cost and scheduling specialists and other personnel will be assigned to a project team from within the program management team staff. A cost estimate for each of the major tasks is attached.



Project teams can draw upon additional resources to accomplish necessary tasks and activities throughout development and execution of projects, depending on program and project specific schedules, and the type and level of effort that is needed. Typical responsibilities for the project management team include:

- Budgeting
- Cost control
- Quality assurance/quality control (QA/QC);
- Resources
- Reporting/communications
- Documentation

Program and Project Controls Implementation

The management controls system will be made up of the following sub-tasks:

- ◆ **Incorporate Program Master Schedule**
Scheduling will be accomplished by developing and updating a consolidated, Critical Path Method master program schedule that will be cost and resource loaded as information becomes available.
- ◆ **Develop Conceptual Capital Cost Estimates**
During the early planning and design phases, capital cost estimates are needed to establish order of magnitude costs to determine financial feasibility. The program management team will prepare cost estimating guidelines for consultants and contractors that are tasked with preparing cost estimates for the City of Atlanta.
- ◆ **Prepare Budget and Cost Control Report**
Using the above cost estimations, guidelines and the developed project cost estimates, program and project specific capital improvements will be budgeted and actual costs can be tracked and reported.
- ◆ **Update Cost and Schedule Status and Reporting**
The program management team will prepare a monthly status report and other reports, as needed, that provide updated cost and schedule status of activities performed by the City of Atlanta, the program management team, and other consultants and contractors working on the program.

Engineering Services

City and consultant staff will work together to provide technical services to supervise the planning and design phases. Engineering services provided by the program management team will include supervision of both planning and design activities, value engineering, progress monitoring, cost effectiveness analysis, constructability and quality assurance/quality control (QA/QC) for all projects. City staff will review and approve



the design development and decision making processes used during the engineering phase of the program.

Financial Management

Sources and options for financing and funding should be determined and evaluated so that requirements for compliance with the Consent Decree and other necessary improvements to the sewer system can be met. The program management team will prepare a comprehensive financial plan that evaluates the City's options for securing appropriate funding to meet capital requirements and overall schedule, as well as requirements for implementation of the plan.

Information Technology (IT)

Development of a specialized network and technology interfaces will be required to meet the needs of the City of Atlanta and the Wastewater Program. The scope of IT work will include a Program and Project Management Web Site, and other specialized applications designed to meet the needs of the City of Atlanta staff and the Wastewater Systems Improvement Program.

Regulatory Agency Liaison

The program team will assist the City in regulatory agency liaison and in preparing quarterly and other reports required under the Consent Decrees to be submitted to the EPA and EPD. Consultant staff will attend meetings, prepare minutes and perform other related services as requested by the City.

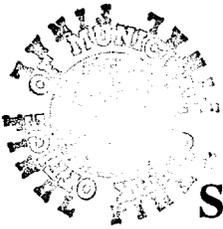
Emergency Services

Due to the nature of requirements of the Consent Decrees, it may become cost effective and necessary for the City to outsource sewer overflow management projects for responding to overflow reports and emergency cleaning and repair of overflowing sewers. The Consultant team has the resources and will be ready to assist the City on an as needed basis.

Due to the time constraints for building capacity related projects to avoid potential building moratoriums, the City may decide to use Design/Build and Alternate Delivery Systems for selected construction projects. The Consultant team is experienced and prepared to perform such services for the City.

Interim Construction Management Services

The City has undertaken the capital improvement projects required under Exhibit C of the First Amended Consent Decree. These projects are at various phases of planning, design and construction. Due to the urgent and important nature of these projects with the construction start and end dates specified by the Consent Decree, the program management team is proposing to provide the construction management and contract administration services to the City for these projects by task orders on an as-needed basis as determined by the Commissioner of Public Works.



SSO PROGRAM BASELINE SERVICES

Capacity Certification Program (CCP)

- **Objective:** Assist the City in the Capacity Certification Program.
- **Description:** The purpose of Capacity Certification is to determine whether adequate treatment and sewer system capacity exists before allowing for new connections requested through permit applications.

Procedures and technical protocols have already been defined for capacity evaluation of gravity sewers, transmission mains, and treatment facilities. Procedures for I/I credits through sewer rehabilitation projects are evaluated to establish sewer capacities. The CCP has been initiated and will require periodic upgrades in the future as new tools for evaluation of available capacity become available.

Contingency and Emergency Response Program (CSCERP)

- **Objective:** Assist the City with the implementation of the Emergency Response Plan previously submitted to EPA/EDP as part of the SSO Program Initiation Project.
- **Description:** The Emergency Response Plan is intended to ensure prompt and appropriate response to every report of a possible sewage spill received by the City's Department of Public Works. Actions contained in the plan are intended to help minimize adverse impacts to public health, water quality, or customer service that may occur as a result of a sewage overflow.

Sewer Overflow and Spill-to-Creek Tracking and Investigation

- **Objective:** ASG will continue to work with the Sewer Operations Division to obtain available data and will track and log in a database all reported complaints and available resulting work orders related to sewer overflows and Spills-to-Creek. ASG will also provide assistance to the City Law Office in addressing pending claims related to sewer overflows.
- **Description:** In advance of the complete implementation of the City's computer-based Maintenance Management Program (Hansen), ASG has been tracking sewer overflows and Spills-to-Creek under the Program Initiation Project. Continuation of this Program is essential to City compliance with several aspects of the First Amended Consent Decree.



Short Term Collection and Transmission System Operations Plan

• **Objective:** Assist the City with the implementation of the Short-term Operations Plan previously submitted to EPA/EPD as part of the SSO Program Initiation Project.

- **Description:** The primary objectives of the plan are to provide immediate control of the incidence of overflows to the extent reasonably possible through implementation of short-term measures and to identify measures that prevent or retard factors that contribute to the degradation of hydraulic capacity or structural integrity of the City's wastewater collection and transmission system.

Collection System Grease Management Program

- **Objective:** Assist the City with implementation of the Grease Management Plan previously submitted to EPA/EPD as part of the SSO Program Initiation Project.
- **Description:** The purpose of the Grease Management Program is to provide enhancements to the City's current Grease Management Program for controlling discharges of grease from commercial users of the City's sewer system.

Sewer Mapping

- **Objective:** Complete the technical assistance detailed in the work plan for the Geographic Information System (GIS) developed by the City's Department of Public Works, Engineering Information Systems Division.
- **Description:** Completion of this work element is essential for meeting Consent Decree requirements for GIS mapping of the City's collection and transmission system.

Collection and Transmission System Maintenance Management Plan

- **Objective:** Assist the City with implementation of the Maintenance Management Plan previously submitted to EPA/EPD as part of the SSO Program Initiation Project.
- **Description:** The purpose of the Maintenance Management Plan is to assist the City with management and control of resources in conducting preventive and corrective maintenance activities within its wastewater collection and transmission system.

Safety Training Program



Objective: Assist the City with implementation of the Collection and Transmission Systems Safety Training Program previously submitted to EPA/EPD.

- **Description:** The Safety Training Program implementation includes measures to avert or eliminate identifiable safety hazards associated with maintenance and repair of the collection system.

Training Program

- **Objective:** Assist the City with implementation of the Collection and Transmission Systems Training Program previously submitted to EPA/EPD.
- **Description:** The Training Program implementation includes general training to address the fundamental mission, goals, and policies of the Sewer Operations Division; collection system training to address methods, processes, procedures and techniques required to perform duties and tasks for proper operation of the collection system; and transmission system training to address methods, processes, procedures and techniques required to perform duties and tasks for proper operation of the transmission system.

System-wide Flow and Rainfall Monitoring

- **Objective:** Assist the City with implementation of the Flow and Rainfall Monitoring Plan previously submitted to EPA/EPD as part of the SSO Program Initiation Project.
- **Description:** The purpose of the monitoring plan is to generate flow data for calibration of the macro-system hydraulic model, evaluation of existing sewer capacity for the Capacity Certification Program, and prioritization of sewersheds for subsequent micro-modeling, monitoring, field source detection, and evaluation. The City has selected another consultant for the flow and rainfall monitoring; this task will include oversight and use of the data generated by the flow and rainfall monitoring.

Hydraulic Modeling Program

- **Objective:** Assist the City in development and calibration of the micro- and macro-system models required by the First Amended Consent Decree.
- **Description:** The hydraulic model will be used to establish current conditions within the City's wastewater collection and transmission system, and determine the effects of wet weather and future development on the current system while planning for future growth.



Prioritization Program

- **Objective:** Assist the City in revision and implementation of the System-Wide Prioritization Plan previously submitted to EPA/EPD.
- **Description:** The purpose of the System-Wide Prioritization Plan is to group sewersheds into one of six Sewer Groups and to prioritize the evaluation of sewer groups based on severity of infiltration, frequency of sewage overflows, ongoing rehabilitation, upgrade, replacement, or other criteria as outlined in the system-wide Prioritization Plan.

Macro System Evaluation

- **Objective:** Assist the City in developing the macro system evaluation and submitting the Macro System Evaluation Report to EPA/EPD as required by the First Amended Consent Decree.
- **Description:** The Macro System Evaluation pertains to main trunk sewers, major pump stations, and force mains of the wastewater collection and transmission system, and will consist of sewage flow monitoring, modeling, and inspection.

Sewer Group Peak Flows

- **Objective:** Assist the City in developing sewer group peak flow evaluation studies and submitting Sewer Group Peak Flow Evaluation Reports to EPA/EPD required by the First Amended Consent Decree.
- **Description:** The Sewer Group Peak Flow Evaluation Reports will include infiltration and inflow hydrographs for each Sewershed, peak flow rates for each pump station, other system hydraulic characteristics, and recommendations for remedial action(s) and schedules to address identified capacity deficiencies.



CSO Program Baseline Activities

The scope for additional CSO Baseline services required to meet the Consent Decree requirements is described in the following paragraphs.

Fecal Coliform Sampling

As part of the settlement of Dispute Resolution and Consent Decree Issues, the City of Atlanta has agreed to continue an intense sampling program for fecal coliform at many of the CSO control facilities. Beginning in April 2000, the City started sampling at least 90% of all defined CSO overflow events at the North Avenue, Greensferry Street, Tanyard Creek, Clear Creek, Intrenchment Creek, and McDaniel Street. CSO control facilities. The City's plan is to eventually outsource this sampling to a contractor. However, in the near term, the ASG team members who have been providing this sampling for the last 12 months will assist the City in transition of this sampling to the selected contractor by:

- Preparing a scope of work and procurement documents,
- Continuing all sampling until a contractor is selected (estimated to be 3 months),
- Providing training to new sampling contractor, and
- Provide transition sampling with new sampling contractor for a period until the new contractor takes over all sampling (estimated to be 3 months).

Remedial Measures – Additional Site Specific Investigations

Plan and execute additional Site Specific Investigations for developing water quality criteria for copper and zinc metals discharged in CSO effluent. This information will be used to negotiate site specific water quality criteria for these wastewater constituents. This work will build upon the previous site specific testing and evaluations performed as part of the System Evaluation for the CSO Remedial Measures Plan. Specific tasks will include:

- Develop Site Specific approach and review with EPA/EPD,
- Perform preliminary testing to define resident species tests,
- Sample two selected CSO outfalls to obtain samples for Bioassay testing,
- Perform Bioassay testing according to protocols developed, and
- Prepare report presenting results, review findings with EPA/EPD, and negotiate site specific metals criteria.

Remedial Measures – Recommended Plan Support

Assist the City with providing supporting information, discussions and analyses concerning the recommended plan to interested parties. Interested parties may include the City Council, elected officials, citizen groups, civic organizations, environmental groups, and other potential stakeholders. Specific tasks could include:

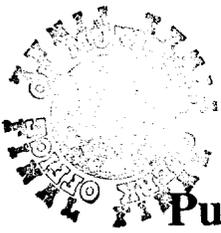


- Making presentations,
- Providing background information and data,
- Performing requested analysis and evaluations not previously conducted, and
- Attending special meetings and conferences related to the recommended plan.

West Area CSO Oversight

Currently SSES efforts are underway in the East Area CSO system to obtain suitable information on the combined sewer system in each sub-basin to establish connectivity and assess condition of the combined sewer system, and to develop sewer separation alternatives and costs. Such SSES efforts, consisting of selected manhole inspections, temporary flow monitoring, CCTV inspection and database generation will also be performed in the West Area CSO system by a contractor selected by the City and program management team. The program management team will assist the City by providing the following oversight activities of the SSES contractor:

- Scope definition,
- Selection and contracting assistance,
- Project management,
- Status reporting and invoicing review, and
- Document and data review.



Public Information Program

This section describes a coordinated public information approach for the Consent Decrees. The Consent Decree mandates that a number of remedial alternatives be evaluated to determine which alternative or combination of alternatives best reduces pollution from CSOs, and some citizens' groups are vigorously advocating a "separation only" alternative.

During preparation for SSO public discussions, the identified issues appear to be different. Generally, the issues during the SSO Public Information Program will be the creation of a clear public understanding of the nature of the problems and the impact the remediation efforts may have on citizens and other constituency groups. Therefore, during the initial evaluation period when flow monitoring and physical inspection of the sewer system are performed, it will be stressed to citizens that problems will be repaired after the studies are completed. This is important so that citizens' hopes for immediate relief are not raised unrealistically.

Two elements of the SSO project may create more than ordinary citizen interest: the Grease Management Program, and the Sanitary Sewer Capacity Certification Program. The Grease Management and Sanitary Sewer Capacity Certification Programs are addressed under Targeted Interest Group Contact.

A major component of the CSO Public Information effort, the existing CSO Advisory Groups (CAGS), scheduled to end in December 2000, will also be a component of the SSO Public Information effort.

Major activities of this program are presented in the following paragraphs:

Focus Groups

With professional meeting facilitation assistance, at least two focus group sessions are to be convened as soon as possible, composed of a cross section of those citizens and constituencies affected. These focus group sessions will be conducted by the program management team's public information consultants, with the involvement of the City, and will be used to determine citizens' knowledge of the sewer system and the Consent Decree. This information will then be used in the development of education materials.

Fact Sheet

An initial fact sheet on the program has been developed to assist those persons who answer citizens' inquiries and to distribute to neighborhood and community leaders. This initial fact sheet will be revised as necessary reflecting the information obtained from these focus groups.



Internet

A website will be developed and managed professionally. This website may continue to be part of the MAUWI Website (www.mauwi.org) and should also be referenced in the City of Atlanta Website (www.ci.atlanta.us). It must be attractive, informative and easy to find. The website address will be placed on all informational materials including television spots, fact sheets and other publicly disseminated materials. The website will be updated frequently as work progresses.

Atlanta Planning Advisory Board and Neighborhood Planning Units

The City of Atlanta's Neighborhood Planning Unit (NPU) system will be a key component of this effort. Therefore, the City's planners must be informed regarding the details of the SSO program, and presentations are to be scheduled for each NPU. Initially, APAB, the Atlanta Planning Advisory Board, which is composed of representatives from each NPU, will be briefed.

(Note: See the "City of Atlanta Directory of Neighborhood Organizations, 1999-2000," published by the City's Department of Planning, Development and Neighborhood Conservation for neighborhood and NPU information.)

CSO Advisory Groups (CAG) and SSO Advisory Groups (SAG)

The CSO Advisory Groups (CAGs) created in the CSO Public Information effort and scheduled to end in December 2000 will be augmented by representatives of the sewersheds affected by the SSO program. There will be at least three large sewershed areas to be delineated by the City, in order to manage meetings effectively. Stakeholders in each affected sewershed group will be identified, and an SSO Advisory Group (SAG) will be created for each group. These SSO Advisory groups shall be identified and shall meet as soon as possible, at the beginning of this project. The group will be invited to meet with the CAGs. The SSO Advisory Group process should continue through the year 2014.

Targeted Interest Group Contact

Grease Management Program

The Grease Management Program will affect those commercial and industrial users who discharge fat, grease and oil into sewers. These are primarily food service providers: schools, restaurants, hospitals and homes for the elderly. In addition to the Public Education Campaign outlined in Section 6.4 of the September 1, 1999, Grease Management Program (development and distribution of educational materials and an initial meeting of food associations) additional actions are recommended. The Mayor may convene a "City Grease Management Roundtable" composed of representatives from these groups as well as the Atlanta Convention & Visitors Bureau (ACVB) and the Georgia Hospitality and Travel Association (GHTA), to educate and inform them of this Grease Management Program. There will be subsequent quarterly roundtable meetings to



discuss progress made, data collected and concerns of the affected parties. It must be made clear up front to the dischargers that they cannot modify the Consent Decree to have unpopular provisions deleted or revised.

Capacity Certification Program

The Capacity Certification Program will affect the business and development communities. Negative headlines have already created many concerns in this community. Presentations on the entire Sanitary Sewer Improvement Project, with special emphasis on the Capacity Certification Program, will be made immediately to the major business groups in Atlanta. The major business groups include the Atlanta Chamber of Commerce, the Atlanta Business League, the Action Forum, the Buckhead Coalition, the West End Business Association, the Midtown Alliance and major developers' associations, including the Homebuilders' Association. The Mayor may also appoint representatives from these groups to create a Mayor's Business Roundtable for Smart Growth. Their initial meeting should be held at the beginning of the program and should include an invitation to all interested parties as observers (to take advantage of the education presentations). Subsequently, this Roundtable will meet quarterly to hear reports on the City's progress, to provide a forum for questions and concerns, and to provide feedback. This is a very important step, which will ease the concerns in Atlanta's Development Community.

Both of these appointed groups would insure that Atlanta's future economic growth is not harmed, but rather enhanced by the Sanitary Sewer Improvement Project. (See the Capacity Certification Program under separate cover).

/end/



WASTE WATER IMPROVEMENT PROGRAM	PM	Sen PE	PE	Tech	Admin	Total / Hrs	ODCs	ASG FEE
	(hr)	(hr)	(hr)	(hr)	(hr)	(hr)		
Program Administration	65	216	627	43	324	1275	\$22,500	\$150,000
Program Management	65	216	627	43	324	1275	\$22,500	\$150,000
Program and Project Controls Implementation	65	216	627	43	324	1275	\$22,500	\$150,000
* Records Management, Document Control and Communication	0	0	0	0	0	0	\$0	\$0
* Permits and Agency Coordination	0	0	0	0	0	0	\$0	\$0
* Land Acquisition and Utilities Coordination	0	0	0	0	0	0	\$0	\$0
Engineering Services	86	288	836	58	432	1700	\$30,000	\$200,000
Financial Management	43	144	418	29	216	850	\$15,000	\$100,000
* Transition Plan and Training City Staff	0	0	0	0	0	0	\$0	\$0
Maintenance and Operations Management	69	231	668	46	346	1360	\$24,000	\$150,000
Information Technology (IT)	65	216	627	43	324	1275	\$22,500	\$150,000
Regulatory Agency Liaison	65	216	627	43	324	1275	\$22,500	\$150,000
* Education Outreach	0	0	0	0	0	0	\$0	\$0
Emergency Services	65	216	627	43	324	1275	\$22,500	\$150,000
* Miscellaneous Special Projects	0	0	0	0	0	0	\$0	\$0
TOTAL	588	1,959	5,682	392	2,939	11,560	\$204,000	\$1,360,000

* Task scope reduced in revised ASG Amendment #4 and deferred to Future Program

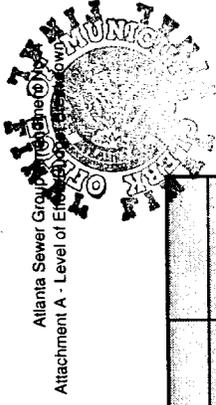


PROGRAM	PM (hr)	Sen PE (hr)	PE (hr)	Tech (hr)	Admin (hr)	Total / Hrs (hr)	ODCs	ASG FEE
WASTE WATER IMPROVEMENT PROGRAM								
SSO PROGRAM BASELINE SERVICES								
Contingency and Emergency Response Program (CSCERP)	114	381	1,106	76	572	2,250	\$25,000	\$250,000
Short Term Collection and Transmission System Operations Plan	92	305	885	61	458	1,800	\$20,000	\$200,000
Collection System Grease Management Program	69	229	664	46	343	1,350	\$15,000	\$150,000
Sewer Mapping	92	305	885	61	458	1,800	\$20,000	\$200,000
Collection and Transmission Maintenance Management Plan	92	305	885	61	458	1,800	\$20,000	\$200,000
Safety Training Program	23	76	221	15	114	450	\$5,000	\$50,000
Training Program	34	114	332	23	172	675	\$7,500	\$75,000
Capacity Certification Program (CCP)	114	381	1,106	76	572	2,250	\$25,000	\$250,000
Sewer Overflow and Spill-to-Creek Tracking and Investigation	46	153	442	31	229	900	\$10,000	\$100,000
System-wide Flow and Rainfall Monitoring	11	38	111	8	57	225	\$2,500	\$25,000
Hydraulic Modeling Program	229	763	2,212	153	1,144	4,500	\$50,000	\$500,000
Prioritization Program	23	76	221	15	114	450	\$5,000	\$50,000
Macro System Evaluation	46	153	442	31	229	900	\$10,000	\$100,000
Ground Surveys	23	76	221	15	114	450	\$5,000	\$50,000
Sewer Group Peak Flows	46	153	442	31	229	900	\$10,000	\$100,000
* Sewer Group Surveys	0	0	0	0	0	0	\$0	\$0
TOTAL	1,053	3,508	10,175	702	5,263	20,700	\$230,000	\$2,300,000

* Task scope reduced in revised ASG Amendment #44 and deferred to Future Program

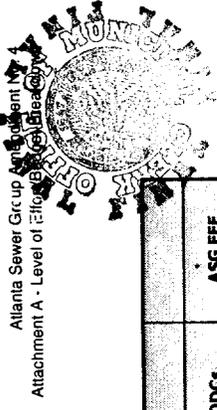
WASTE WATER IMPROVEMENT PROGRAM	PM	Sen PE	PE	Tech	Admin	total / Hrs	ODCs	ASG FEE
	(hr)	(hr)	(hr)	(hr)	(hr)	(hr)		
* 7-Year Construction Program	0	0	0	0	0	0	\$0	\$0
Fecal Coliform Sampling	92	305	885	61	458	1800	\$20,000	\$200,000
Remedial Measures - Additional Site Specific Investigation	137	458	1327	92	686	2700	\$30,000	\$300,000
* Land Acquisition Planning	0	0	0	0	0	0	\$0	\$0
Remedial Measures - Recommended Plan Support	23	76	221	15	114	450	\$5,000	\$50,000
* Implementation Arrangements	0	0	0	0	0	0	\$0	\$0
West CSO Area Oversight	92	305	885	61	458	1800	\$20,000	\$200,000
* Sewer Separation Conceptual Design	0	0	0	0	0	0	\$0	\$0
* Storage, Conveyance and Treatment / Advanced Facility Planning	0	0	0	0	0	0	\$0	\$0
* Community Impact Mitigation Analysis & Planning	0	0	0	0	0	0	\$0	\$0
TOTAL	343	1144	3318	229	1716	6750	\$75,000	\$750,000

* Task scope reduced in revised ASG Amendment #4 and deferred to Future Program



	PM	Senior	Junior	Tech	Admin	Total / Hr	ODCs	ASG FEE
	(hr)	(hr)	(hr)	(hr)	(hr)	(hr)		
WASTE WATER IMPROVEMENT PROGRAM								
Focus Groups	20	40	60	80	80	280	\$12,000	\$40,000
* TV and Radio Advertising	0	0	0	0	0	0	\$0	\$0
* Placement of TV Ads in day slots	0	0	0	0	0	0	\$0	\$0
Meeting Support - NPU, CAG, SAG, and others	85	170	255	340	340	1190	\$51,000	\$170,000
Fact Sheet and Additional Materials Management	10	20	30	40	40	140	\$6,000	\$20,000
Internet - Website Management	35	70	105	140	140	490	\$21,000	\$70,000
* Miscellaneous Advertisements	0	0	0	0	0	0	\$0	\$0
* Initial Elementary School Effort	0	0	0	0	0	0	\$0	\$0
Total	150	300	450	600	600	2100	\$90,000.0	\$300,000

* Task scope reduced in revised ASG Amendment #4 and deferred to Future Program



WASTE WATER IMPROVEMENT PROGRAM	PM	Senior	Junior	Tech	Admin	Total / Hr	ODCs	ASG FEE
	(hr)	(hr)	(hr)	(hr)	(hr)	(hr)		
WASTE WATER IMPROVEMENT PROGRAM	588	1959	5682	392	2939	11560	\$ 204,000	\$ 1,360,000
SSO PROGRAM BASELINE SERVICES	1053	3508	10175	702	5263	20700	\$ 230,000	\$ 2,300,000
CSO BASELINE SERVICES	343	1144	3318	229	1716	6750	\$ 75,000	\$ 750,000
PUBLIC INFORMATION PROGRAM	150	300	450	600	600	2100	\$ 90,000	\$ 300,000
TOTAL	2134	6912	19624	1922	10518	41110	\$ 599,000	\$ 4,710,000

RCS# 2153
8/07/00
4:06 PM

Atlanta City Council

Regular Session

CONSENT 1

Pages 1-15 KP

Adopt

YEAS: 13
NAYS: 0
ABSTENTIONS: 0
NOT VOTING: 2
EXCUSED: 0
ABSENT 1

SEE ATTACHED LISTING OF
ITEMS ADOPTED/ADVERSED
ON CONSENT AGENDA

NV McCarty
Y Starnes
Y Bond
Y Winslow

Y Dorsey
Y Woolard
Y Morris
Y Muller

Y Moore
Y Martin
Y Maddox
Y Boazman

Y Thomas
B Emmons
Y Alexander
NV Pitts

ITEM (S) REMOVED FROM
CONSENT AGENDA
00-O-1102
00-R-1197
00-R-1106
00-R-1123
00-R-0721

08/07/00 Council Meeting		
ITEMS ADOPTED ON CONSENT AGENDA	ITEMS ADOPTED ON CONSENT AGENDA	ITEMS ADVERSED ON CONSENT AGENDA
1. 00-O-1009	41. 00-R-1175	64. 00-R-1148
2. 00-O-1010	42. 00-R-1176	65. 00-R-1149
3. 00-O-1011	43. 00-R-1177	66. 00-R-1150
4. 00-O-1012	44. 00-R-1178	67. 00-R-1151
5. 00-O-1079	45. 00-R-1179	68. 00-R-1152
6. 00-O-0834	46. 00-R-1180	69. 00-R-1153
7. 00-O-1065	47. 00-R-1181	70. 00-R-1154
8. 00-O-1004	48. 00-R-1182	71. 00-R-1155
9. 00-O-1112	49. 00-R-1183	72. 00-R-1156
10. 00-R-1139	50. 00-R-1184	73. 00-R-1157
11. 00-R-1140	51. 00-R-1185	74. 00-R-1158
12. 00-R-1141	52. 00-R-1186	75. 00-R-1159
13. 00-R-1142	53. 00-R-1187	76. 00-R-1160
14. 00-R-1144	54. 00-R-1188	77. 00-R-1161
15. 00-R-1204	55. 00-R-1189	78. 00-R-1162
16. 00-R-1208	56. 00-R-1190	79. 00-R-1163
17. 00-R-1209	57. 00-R-1191	80. 00-R-1164
18. 00-R-1210	58. 00-R-1192	81. 00-R-1165
19. 00-R-1106	59. 00-R-1193	82. 00-R-1166
20. 00-R-1146	60. 00-R-1199	83. 00-R-1167
21. 00-R-1147	61. 00-R-1200	84. 00-R-1168
22. 00-R-1194	62. 00-R-1201	85. 00-R-1169
23. 00-R-1203	63. 00-R-1202	86. 00-R-1170
24. 00-R-1205		87. 00-R-1171
25. 00-R-1212		88. 00-R-1172
26. 00-R-1213		89. 00-R-1173
27. 99-R-1145		90. 00-R-1174
28. 99-R-1932		
29. 00-R-1108		
30. 00-R-1110		
31. 00-R-1129		
32. 00-R-1130		
33. 00-R-1131		
34. 00-R-1134		
35. 00-R-1206		
36. 00-R-1121		
37. 00-R-0329		
38. 00-R-1136		
39. 00-R-1137		
40. 00-R-1138		