

AN ORDINANCE BY CITY UTILITIES COMMITTEE AUTHORIZING THE CHIEF FINANCIAL OFFICER TO AMEND THE FY 2014 WATER AND WASTEWATER RENEWAL AND EXTENSION FUND (5052) BUDGET IN THE AMOUNT OF FIVE MILLION DOLLARS AND ZERO CENTS (\$5,000,000.00) TO TRANSFER FUNDS FROM THE GENERAL RESERVE FOR APPROPRIATIONS AND ADD TO APPROPRIATIONS FOR THE RAW WATER TRANSMISSION MAINS-ADDITIONAL CONSTRUCTION PROJECT; AND FOR OTHER PURPOSES.

Review List:

Jo Ann Macrina	Completed	09/26/2013 1:33 PM
Pamela Holmes	Completed	09/26/2013 3:39 PM
Patrick McShane	Completed	09/26/2013 5:53 PM
Information Technology	Pending	
Procurement	Pending	
Adam Smith	Pending	
Mayor's Office	Completed	09/27/2013 9:47 AM
Office of Research and Policy Analysis	Completed	10/08/2013 9:44 AM
City Utilities Committee	Pending	
Atlanta City Council	Pending	
Mayor's Office	Pending	

LEGISLATION HISTORY – BLUE BACK

Certified by Presiding Officer	Certified by Clerk
Mayor's Action <i>See Authentication Page Attachment</i>	

**AN ORDINANCE
BY CITY UTILITIES COMMITTEE**

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WHEREAS, the City of Atlanta (“City”) owns and operates a water and wastewater system; and

WHEREAS, the City of Atlanta, Department of Watershed Management (“Department”) has identified, in connection with the Capital Improvement Program, the need to fund certain costs from the General Reserves; and

WHEREAS, the Department conducted a raw water assessment study in February 2008 to locate mains and transmission lines deteriorated by breaks and other system failures to determine the rehabilitation needs of the City’s raw water transmission system; and

WHEREAS, funds were appropriated for the Raw Water Transmission Mains Project in an amount of Three Million Dollars and Zero Cents (\$3,000,000.00), pursuant to Ordinance No. 13-O-1150; and

WHEREAS, the Department requires an additional Five Million Dollars and Zero Cents (\$5,000,000.00) for the Raw Water Transmission Mains-Additional Construction Project to rehabilitate an additional 10,200 linear feet of raw water transmission mains, for a total renewal length of 12,000 linear feet, renew three 3 cast iron mains within the full length of the CSX Railroad yard and connect to the Hemphill Reservoir No. 2; and

WHEREAS, these funds should be transferred from the General Reserves for Appropriations to facilitate the use of the funds for the Raw Water Transmission Mains- Additional Construction Project.

THE CITY COUNCIL OF THE CITY OF ATLANTA, GEORGIA, HEREBY ORDAINS *as follows*:

Section 1: That the Chief Financial Officer is authorized to amend the FY 2014 Water and Wastewater Renewal and Extension Fund (5052) Budget as follows:

TRANSFER FROM APPROPRIATIONS

The amount of:	\$5,000,000.00			
FDOA:				
<u>Water & Wastewater R&E Fund</u>	<u>NDP Reservation of Fund Appropriations</u>	<u>Reserve Conversion Account</u>	<u>Accounting</u>	
5052	200101	5999901	1512000	

ADD TO APPROPRIATIONS

The amount of:	\$5,000,000.00			
PTAEO:				
Raw Water Transmission Mains	<u>Raw Water Transmission Mains- Additional Construction</u>	<u>Water & Wastewater R&E Fund</u>	<u>Facilities Other Than Bldgs/Infrastructure</u>	<u>City of Atlanta</u>
17102474	103	505221391	5414002	COA
FDOA:				
<u>Water & Wastewater R&E Fund</u>	<u>DWM Water Linear Maintenance/ Repair</u>	<u>Projects and Grants Budget</u>	<u>Distribution</u>	
5052	171003	5999999	4440000	
Raw Water Transmission Mains	<u>Water & Wastewater R&E Fund</u>			
102474	21391			

Section 2: That appropriations in the Water and Wastewater Renewal and Extension Fund (5052) Budget be transferred as follows:

ADD TO AWARD INSTALLMENT

The amount of:	\$5,000,000.00	<u>R&E Water & Wastewater Fund</u>		
		505221391		

Section 3: That all ordinances and parts of ordinances that are in conflict with the provisions of this ordinance are waived to the extent of the conflict.

TRANSMITTAL FORM FOR LEGISLATION

TO: MAYOR'S OFFICE

ATTN: CANDACE L. BYRD

Dept.'s Legislative Liaison: Maisha L. Wood

Contact Number: 404-330-6887

Originating Department: Watershed Management

Committee(s) of Purview: City Utilities Committee

Chief of Staff Deadline: September 20, 2013

Anticipated Committee Meeting Date(s): October 15, 2013

Anticipated Full Council Date: October 21, 2013

Legislative Counsel's Signature: *[Signature]*

Commissioner's Signature: *[Signature]*

Chief Financial Officer/Budget Analyst: *[Signature]*

Chief Information Officer Signature (for IT Procurements) n/a

Chief Procurement Officer Signature: n/a

CAPTION

AN ORDINANCE AUTHORIZING THE CHIEF FINANCIAL OFFICER TO AMEND THE FY 2014 WATER AND WASTEWATER RENEWAL AND EXTENSION FUND (5052) BUDGET IN THE AMOUNT OF FIVE MILLION DOLLARS AND ZERO CENTS (\$5,000,000.00) TO TRANSFER FUNDS FROM THE GENERAL RESERVE FOR APPROPRIATIONS AND ADD FUNDS TO THE RAW WATER TRANSMISSION MAINS-ADDITIONAL CONSTRUCTION PROJECT; AND FOR OTHER PURPOSES.

FINANCIAL IMPACT: (if any) (\$5,000,000.00)

Mayor's Staff Only

Received by CPO: _____
(date)

Received by LC from CPO: _____
(date)

Received by Mayor's Office: 9.20.13
(date)

Reviewed by: *[Signature]*
(date)

Submitted to Council: _____ (date)

Attachment: Raw Water transmittal and backup (13-O-1317 : Raw Water Transmission Mains-additional construction project)

Part II: Legislative White Paper: (This portion of the Legislative Request Form will be shared with City Council members and staff)

A. To be completed by Legislative Counsel:

Committee of Purview: City Utilities

Caption: AN ORDINANCE AUTHORIZING THE CHIEF FINANCIAL OFFICER TO AMEND THE FY 2014 WATER AND WASTEWATER RENEWAL AND EXTENSION FUND (5052) BUDGET IN THE AMOUNT OF FIVE MILLION DOLLARS AND ZERO CENTS (\$5,000,000.00) TO TRANSFER FUNDS FROM THE GENERAL RESERVE FOR APPROPRIATIONS AND ADD FUNDS TO THE RAW WATER TRANSMISSION MAINS-ADDITIONAL CONSTRUCTION PROJECT; AND FOR OTHER PURPOSES.

Council Meeting Date: October 21, 2013

Requesting Dept.: Watershed Management

B. To be completed by the department:

1. Please provide a summary of the purpose of this legislation (Justification Statement).

Example: The purpose of this legislation is to anticipate funds from a local assistance grant to purchase child safety seats.

The purpose of this legislation is to authorize the CFO to amend the FY 2014 Budget Water and Wastewater Renewal and Extension Fund (5052) in the amount of \$5,000,000.00 to transfer funds from General Reserve for Appropriation and add to Appropriation funds for:

the Raw Water Transmission Mains-Additional Construction Project's scope of work entails rehabilitating an additional 10,200 linear feet of raw water transmission mains for a total renewal length of 12,000 linear feet. This will allow DWM to renew 3 cast iron mains within the full length of the CSX railroad yard and connect to the Hemphill Reservoir #2. They are deteriorated by breaks and other system failures. A Raw Water Assessment was conducted in Feb., 2008 and determined it feasible to rehabilitate the pipelines by Renewal Method vs. replacement.

2. Please provide background information regarding this legislation.

Example: The task force of homelessness conducted a study regarding homelessness, its impact and consequences on the City. This resolution reflects the Mayor's desire to open a twenty-four hour center that will respond to the needs of the homelessness in Atlanta.

The City of Atlanta Department of Watershed Management has identified, in connection with the Capital Improvement Program (CIP), the need to fund certain costs from the Water and Wastewater Renewal and Extension Fund (5052) to facilitate projects.

3. If Applicable/Known:

- (a) Contract Type (e.g. Professional Services, Construction Agreement, etc): N/A
- (b) Source Selection: N/A
- (c) Bids/Proposals Due: N/A
- (d) Invitations Issued: N/A
- (e) Number of Bids: N/A
- (f) Proposals Received: N/A
- (g) Bidders/Proponents: N/A
- (h) Term of Contract: N/A

4. Fund Account Center (Ex. Name and number): Various

Fund: _____ Account: _____ Center: _____

5. Source of Funds: *Example: Local Assistance Grant*

FDOA: \$5,000,000.00; 5052 (DWM Water & Wastewater RNE Fund) 200101 (NDP Reservation of Funds Appropriations) 5999`901 (Reserve Conversion Account) 1512000 (Accounting)

6. Fiscal Impact: N/A

Example: This legislation will result in a reduction in the amount of _____ to Fund Account Center Number _____.

7. Method of Cost Recovery: N/A

Examples:

- a. *Revenues generated from the permits required under this legislation will be used to fund the personnel needed to carry out the permitting process.*

Attachment: Raw Water transmittal and backup (13-O-1317 : Raw Water Transmission Mains-additional construction project)

- b. Money obtained from a local assistance grant will be used to cover the costs of this Summer Food Program.*

This Legislative Request Form Was Prepared By: Tamika Gray

Attachment: Raw Water transmittal and backup (13-O-1317 : Raw Water Transmission Mains-additional construction project)



Kasim Reed
MAYOR

CITY OF ATLANTA

Jo Ann J. Macrina, PE
COMMISSIONER

DEPARTMENT OF WATERSHED MANAGEMENT
55 TRINITY AVENUE SW, SUITE 5400, SOUTH BLDG.
ATLANTA, GEORGIA 30303-3544
OFFICE 404-330-6081 FAX 404-658-7194

MEMORANDUM

TO: Tamika Gray, Watershed Manager, Sr.,
DWM – Bureau of Administration

FROM: Demetris Johnson, Financial Manager 
DWM, Office of Engineering Service

DATE: July 26th, 2013

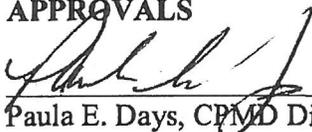
SUBJECT: RAW WATER TRANSMISSION MAINS
(REVISED AMOUNT INCREASE TO: \$5,000,000.00)

This serves as a formal request to revise the original fund request for the above subject. A letter dated May 16th, 2013 requested \$3,000,000.00. Please revise that amount to \$8,000,000.00 with an increased amount of \$5,000,000.00. A revised fact sheet reflecting \$8,000,000.00 has been attached. Please revise legislation to reflect the new amount. Thanks.

PROJECT NAME	RAW WATER TRANSMISSION MAINS
Funding Total	\$5,000,000.00 – Construction (INCREASED AMOUNT)
Funding Source	TBD
Start/Finish Time	October - 2013
Project Details	(SEE ATTACHED – FACT SHEET)

Should you need additional information to precede with this request, please contact me at 404-546-1249. Thanks.

APPROVALS


Paula E. Days, CPMD Director


Eric L. Glover, PE, DC, OES

Cc: Mike Geisler, DC, Bureau of Financial Administration
Rhonda Crenshaw, OES, Project Manager

Attachment: Raw Water transmittal and backup (13-O-1317 : Raw Water Transmission Mains-additional construction project)



OES- CAPITAL PROJECTS MANAGEMENT DIVISION

PROJECT INFORMATION OVERVIEW

PROJECT NAME: Raw Water Transmission Mains

WBS #: W.02.01.0021

PROJECT MANAGER NAME: Rhonda Crenshaw

PRC DATE: May 22, 2013 **ESC DATE:** May 29, 2013

PROJECT SCOPE/BACKGROUND:

The scope of this project will include retaining a contractor to renew the Raw Water Transmission Mains that conveys raw water from the Chattahoochee River Pumping Station to the Hemphill Water Treatment Plant.

The City of Atlanta currently conveys raw water from a pump station at the Chattahoochee River to the Hemphill Water Treatment Plant (WTP) through 4 pipelines: a 72-inch steel pipeline (1972-1975); and a triplet of 30-, 36- and 48-inch cast iron (CI) pipelines (1893, 1908, 1927). The pipelines may be nearing the end of their useful service life and have exhibited deterioration in the form of pipeline breaks and other system failures. A February 2008, raw water pipeline assessment report was conducted to assess the condition of the four raw water pipelines to the extent necessary to determine if rehabilitation is necessary and to identify rehabilitation options that are feasible. A custom assessment scope was developed to address the most important threats to each pipeline followed by development of specific rehabilitation strategies. Per the raw water pipeline assessment, while all four existing mains need improvement, it would be feasible to renew these pipelines versus replacing them.

The three cast iron mains are well beyond their predicted design life, still exhibiting structural integrity, but connected with lead joints subject to failure and difficult to repair. The fourth main is a 72-inch diameter steel main installed in the early 1970's but consists of brittle steel material known for failures during cold water temperatures. All of the valves in the mains require replacement. Renewal of these mains is proposed to occur in two phases. The first phase identifies a renewal method for the 3 cast iron mains in the railroad yard adjacent to Hemphill Reservoir #2. One of these mains has already failed under the main-line railroad tracks and has been shut-down and isolated from service. The original scope for Phase 1, utilized a renewal method internal to the existing mains to renew at least a 600-foot section of each of the 3 existing mains where they cross under the railroad main-line tracks. The revised scope, will add an additional 10,200 linear feet of raw water transmission mains for a total renewal length of 12,000 linear feet. Within the railroad yard, voids around the existing mains will be identified and repaired. In Phase 2, the remaining mains will be renewed, all valves will be replaced so that any future leaks can be easily isolated, and some modifications at the existing raw water pump station will be implemented.

PROJECT JUSTIFICATION:

1-Customer Service/Safety: The purpose of this project is to address areas of the water distribution system where the threat of service deficiencies is imminent, thus providing the Department of Watershed Management staff and the constituency with an assuredness that delivery of service will be executed with improved efficiency and with lower risk levels of failure due to water outages.

2-Compliance: The successful, continuous availability of the raw water main conveyance system is critical to the supply of potable water to the City of Atlanta constituency as this availability sustains the health and welfare of the constituency.

3-Efficiency: This project enhances system reliability and efficiency by addressing areas of the system that have become inefficient in their operation. The February 2008 assessment identified both pros and con's regarding the existing raw water main reliability. A "pro" is that the mains could be renewed without requiring total replacement. A



OES- CAPITAL PROJECTS MANAGEMENT DIVISION

"con" is that the mains require renewal efforts beginning immediately. One of the 3 cast iron mains is currently out of service due to a leak in the CSX railroad yard and the steel 72-inch main must be shut down in the winter months when the steel is at its most brittle and at its greatest risk of failure. This leaves the City with virtually no redundancy for maintenance or repairing additional failures. Renewal of the entire length of raw water mains and replacement of valves will be necessary to assure that a reasonable risk of future main breaks can be managed.

DESIGN ANALYSIS/CONCERNS: CH2M Hill will complete the renewal design for the 3 cast iron mains in August 2013.

CONSTRUCTION ANALYSIS/CONCERNS: Executing this project is of paramount importance as the 2008 assessment yielded that the mains require renewal efforts beginning immediately. Because one of the 3 cast iron mains is currently out of service due to a leak in the CSX railroad yard and the steel 72-inch main must be shut down in the winter months when the steel is the most brittle and is at its greatest risk of failure, this leaves the City with virtually no redundancy for maintenance or repairing additional failures. Renewal of the entire length of raw water mains and replacement of valves will be necessary to assure that a reasonable risk of future main breaks can be properly managed.

COMMUNICATION HIGHLIGHTS: All Neighborhood Planning Units and Council Districts are impacted by this project.

PROJECT STATUS: Design for the three cast iron mains in the CSX railyard should be complete by 8/2013.

PROJECT SCHEDULE: Bid/Advertisement: 10/2013

Anticipated Construction Start: 4/2014.

PROJECT COSTS: Design: \$2,451,839 CSX Railyard

Construction Phase1: \$8M CSX Railyard (funding being encumbered)

Committee _____
 Date _____
 Chair _____
 Referred To _____

2nd 1st & 2nd 3rd
Readings
 Consent V Vote RC Vote

CERTIFIED

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- CONSENT REFER
- REGULAR REPORT REFER
- ADVERTISE & REFER
- 1ST ADOPT 2ND READ & REFER
- PERSONAL PAPER REFER

Date Referred: _____
 Referred To: _____
 Date Referred: _____
 Referred To: _____
 Date Referred: _____
 Referred To: _____

Committee _____ Date _____ Chair _____ Referred To _____	Committee _____ Date _____ Chair _____ Action Fav, Adv, Hold (see rev. side) Pother Members	Committee _____ Date _____ Chair _____ Action Fav, Adv, Hold (see rev. side) Pother Members
Committee _____ Date _____ Chair _____ Action Fav, Adv, Hold (see rev. side) Other Members	Committee _____ Date _____ Chair _____ Action Fav, Adv, Hold (see rev. side) Other Members	Committee _____ Date _____ Chair _____ Action Fav, Adv, Hold (see rev. side) Other Members
Committee _____ Date _____ Chair _____ Action Fav, Adv, Hold (see rev. side) Other Members	Committee _____ Date _____ Chair _____ Action Fav, Adv, Hold (see rev. side) Other Members	Committee _____ Date _____ Chair _____ Action Fav, Adv, Hold (see rev. side) Other Members

MAYOR'S ACTION