

AN ORDINANCE BY CITY UTILITIES COMMITTEE AUTHORIZING THE CHIEF FINANCIAL OFFICER TO AMEND THE FY 2015 (WATER AND WASTEWATER RENEWAL AND EXTENSION FUND (5052)) BUDGET IN THE AMOUNT OF ONE HUNDRED FORTY-FOUR THOUSAND, SIX HUNDRED SIXTY DOLLARS AND ZERO CENTS (\$144,660.00) TO TRANSFER FUNDS FROM THE WATERSHED RESERVE FOR APPROPRIATIONS AND ADD FUNDS TO APPROPRIATIONS FOR THE RAW WATER TRANSMISSION MAINS PROJECTS; AND FOR OTHER PURPOSES.

Workflow List:

Jo Ann Macrina	Completed	06/26/2014 2:30 PM
Finance	Completed	06/27/2014 8:58 AM
Patrick McShane	Completed	06/27/2014 10:44 AM
Mayor's Office	Completed	06/27/2014 10:57 AM
Office of Research and Policy Analysis	Completed	07/01/2014 2:58 PM
City Utilities Committee	Completed	07/17/2014 11:36 AM
Atlanta City Council	Completed	07/24/2014 12:27 PM
City Utilities Committee	Pending	
Mayor's Office	Pending	

HISTORY:

07/15/14	City Utilities Committee	
07/21/14	Atlanta City Council	REFERRED TO COMMITTEE

RESULT:	REFERRED TO COMMITTEE [10 TO 0]	Next: 7/29/2014 9:30 AM
AYES:	Norwood, Dickens, Smith, Young Jr., Archibong, Wan, Adrean, Moore, Martin, Sheperd	
ABSENT:	Michael Julian Bond, Kwanza Hall, Howard Shook, Keisha Lance Bottoms	
AWAY:	Cleta Winslow	

RESULT:	REFERRED TO COMMITTEE [10 TO 0]	Next: 7/29/2014 9:30 AM
AYES:	Norwood, Dickens, Smith, Young Jr., Archibong, Wan, Adrean, Moore, Martin, Sheperd	
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AWAY:	Cleta Winslow	

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

LEGISLATION HISTORY – BLUE BACK

AN ORDINANCE BY CITY UTILITIES COMMITTEE AUTHORIZING THE CHIEF FINANCIAL OFFICER TO AMEND THE FY 2015 (WATER AND WASTEWATER RENEWAL AND EXTENSION FUND (5052)) BUDGET IN THE AMOUNT OF ONE HUNDRED FORTY-FOUR THOUSAND, SIX HUNDRED SIXTY DOLLARS AND ZERO CENTS (\$144,660.00) TO TRANSFER FUNDS FROM THE WATERSHED RESERVE FOR APPROPRIATIONS AND ADD FUNDS TO APPROPRIATIONS FOR THE RAW WATER TRANSMISSION MAINS PROJECTS; AND FOR OTHER PURPOSES.

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 Watershed Reserve for Appropriations; and

WHEREAS, the Raw Water Transmission Mains project includes rehabilitation of the four existing pipelines that convey raw water from the Chattahoochee River Pumping Station to the Hemphill Water Treatment Plant; and

WHEREAS, these funds should be transferred from the Watershed Reserve for Appropriations to facilitate the use of the funds for the Raw Water Transmission Mains 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:	\$144,660.00			
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:	\$144,660.00			
PTAEO:				
<u>Raw Water Transmission Mains</u>	<u>Raw Wtr Trm Mains</u>	<u>Water & Wastewater R&E Fund</u>	<u>Consulting/ Professional Services</u>	<u>City of Atlanta</u>
17102474	104	505221391	5212001	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	
<u>Raw Water Transmission Mains</u>	<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:	\$144,660.00	<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: 404-546-3625

Originating Department: Watershed Management

Committee(s) of Purview: City Utilities Committee

Chief of Staff Deadline: June 20, 2014

Anticipated Committee Meeting Date(s): July 15, 2014

Anticipated Full Council Date: July 21, 2014

Legislative Counsel's Signature: [Signature]

Commissioner's Signature: [Signature]

Chief Financial Officer: [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 2015 WATER AND WASTEWATER RENEWAL AND EXTENSION FUND (5052) BUDGET IN THE AMOUNT OF ONE HUNDRED FORTY-FOUR THOUSAND, SIX HUNDRED SIXTY DOLLARS AND ZERO CENTS (\$144,660.00) TO TRANSFER FUNDS FROM THE WATERSHED RESERVE FOR APPROPRIATIONS AND ADD FUNDS TO THE LISTED RAW WATER TRANSMISSION MAINS PROJECTS; AND FOR OTHER PURPOSES.

FINANCIAL IMPACT: (if any) (\$144,660.00)
Mayor's Staff Only

Received by CPO: _____

Received by LC from CPO: _____

Received by Mayor's Office: Janice Chen 6/20/14
(date)

Reviewed by: _____
(date)

Submitted to Council: _____ (date)

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 2015 WATER AND WASTEWATER RENEWAL AND EXTENSION FUND (5052) BUDGET IN THE AMOUNT OF ONE HUNDRED FORTY-FOUR THOUSAND, SIX HUNDRED SIXTY DOLLARS AND ZERO CENTS (\$144,660.00) TO TRANSFER FUNDS FROM THE WATERSHED RESERVE FOR APPROPRIATIONS AND ADD FUNDS TO THE LISTED RAW WATER TRANSMISSION MAINS PROJECTS; AND FOR OTHER PURPOSES.

Council Meeting Date: July 21, 2014

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 \$144,660.00 to transfer funds from Watershed Reserve for Appropriation and add to Appropriation funds for:

Raw Water Transmission Mains project shall include rehabilitation of the four existing pipelines that conveys raw water from the Chattahoochee River Pumping Station to the Hemphill Water Treatment Plant. The four pipelines are beyond their expected useful service life and it is feasible to renew these pipelines versus replacing them

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: \$144,660; 5052 (DWM Water & Wastewater RNE Fund) 200101 (NDP Reservation of Funds Appropriations) 5999901 (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.*
- 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



Kasim Reed
MAYOR

CITY OF ATLANTA

Jo Ann J. Macrina, P
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: May 7th, 2014

SUBJECT: FUNDS REQUEST FOR RAW WATER TRANSMISSION MAINS

This serves as a formal request to fund Raw Water Transmission Mains capital project from funding source (TBD). The requested amount is \$144,660.00.

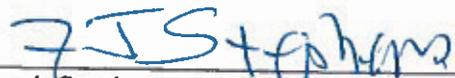
PROJECT NAME	RAW WATER TRANSMISSION MAINS
Funding Total	CM Services - \$144,660.00
Funding Source	
Start/Finish Time	Scheduled completion is December 31, 2014
Project Details	The scope of this project will include rehabilitation of Raw Water Transmission Mains that conveys raw water from the Chattahoochee River Pumping Station to the Hemphill Water Treatment Plant. The City of Atlanta currently convey 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) pipeline (1893-, 1908, 1927). (see attached fact sheet)

Should you need additional information to precede with this request, please contact me. Thanks.

APPROVALS



Kimberly Parmer, DCPM Director



Frank Stephens, DC, OES

Cc: Mohamed Balla, DC, Bureau of Financial Administration
Rhonda Parmer, OES, Director



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. Phase 1 will utilize a renewal method internal to the existing mains and renew at least a 400-foot section of each of the 3 existing mains where they cross under the railroad main-line tracks. 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 "con" is that the mains require renewal efforts beginning immediately. One of the 3 cast iron mains is currently out of



OES- CAPITAL PROJECTS MANAGEMENT DIVISION

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: CHRYM WILL~~

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 was completed in February 2014.

PROJECT SCHEDULE: Bid/Advertisement: 5/2014

Anticipated Construction Start: 10/2014.

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

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

Construction Management Services: \$144,660.00

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BY CITY UTILITIES COMMITTEE**

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Committee _____
Date _____
Chair _____
Referred To _____

First Reading

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

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

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

CERTIFIED

MAYOR'S ACTION

- CONSENT REFER
- REGULAR REPORT REFER
- ADVERTISE & REFER
- 1ST ADOPT 2ND READ & REFER
- PERSONAL PAPER REFER
- Date Referred: _____
- Date Referred: _____
- Date Referred To: _____
- Date Referred: _____
- Date Referred To: _____