

**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 ONE HUNDRED SIXTY-FOUR THOUSAND, SEVEN DOLLARS AND ZERO CENTS (\$164,007.00) TO TRANSFER FUNDS FROM THE GENERAL RESERVE FOR APPROPRIATIONS AND ADD TO APPROPRIATIONS FOR THE CATHODIC PROTECTION RESTORATION PROJECT; AND FOR OTHER PURPOSES.**

**Review List:**

Pamela Holmes	Completed	08/29/2013 3:21 PM
Jo Ann Macrina	Completed	08/29/2013 3:42 PM
Patrick McShane	Completed	08/29/2013 4:37 PM
Mayor's Office	Completed	08/29/2013 6:04 PM
Office of Research and Policy Analysis	Completed	08/30/2013 9:44 AM
City Utilities Committee	Pending	
Atlanta City Council	Pending	
Mayor's Office	Pending	

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

**AN ORDINANCE  
BY CITY UTILITIES COMMITTEE**

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WHEREAS, the City of Atlanta owns and operates a water and wastewater system; and

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

WHEREAS, the purpose of the Cathodic Protection Restoration System Project is to protect steel water transmission mains throughout the distribution system in order to minimize the corrosive deterioration of, and enhance, the steel water transmission mains to prevent main breaks and negative impacts on water pressure, flow and quality; and

WHEREAS, these funds should be transferred from the General Reserves for Appropriations to facilitate the use of the funds for the Cathodic Protection Restoration System 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

<b>The amount</b>	<b>\$164,007.00</b>			
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<b>of:</b>				
<b>FDOA:</b>				
<u>Water &amp; Wastewater R&amp;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

<b>The amount of:</b>	<b>\$164,007.00</b>			
<b>PTAEO:</b>				
Cathodic Protection System	DWM RNE 9999	<u>Water &amp; Wastewater R&amp;E Fund</u>	<u>Consulting</u>	<u>City of Atlanta</u>
17100583	103	505221391	5212001	COA
<b>FDOA:</b>				
<u>Water &amp; Wastewater R&amp;E Fund</u>	<u>DWM Wastewater Treatment &amp; Collections</u>	<u>Projects and Grants Budget</u>	<u>Sanitary Administration</u>	
5052	170201	5999999	4310000	
Cathodic Protection System	<u>Water &amp; Wastewater R&amp;E Fund</u>			
100583	21391			

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

ADD TO AWARD INSTALLMENT

<b>The amount of:</b>	<b>\$164,007.00</b>	<u>R&amp;E Water &amp; 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: August 23, 2013

Anticipated Committee Meeting Date(s): September 10, 2013

Anticipated Full Council Date: September 16, 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 ONE HUNDRED SIXTY-FOUR THOUSAND, SEVEN DOLLARS AND ZERO CENTS (\$164,007.00) TO TRANSFER FUNDS FROM THE GENERAL RESERVE FOR APPROPRIATIONS AND ADD TO APPROPRIATIONS FOR THE CATHODIC PROTECTION RESTORATION PROJECT; AND FOR OTHER PURPOSES.

FINANCIAL IMPACT: (if any) (\$164,007.00)

Mayor's Staff Only

Received by CPO: \_\_\_\_\_  
(date)

Received by LC from CPO: \_\_\_\_\_  
(date)

Received by Mayor's Office: 7/1 8/23/13  
(date)

Reviewed by: [Signature]  
(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 2014 WATER AND WASTEWATER RENEWAL AND EXTENSION FUND (5052) BUDGET IN THE AMOUNT OF ONE HUNDRED SIXTY-FOUR THOUSAND, SEVEN DOLLARS AND ZERO CENTS (\$164,007.00) TO TRANSFER FUNDS FROM THE GENERAL RESERVE FOR APPROPRIATIONS AND ADD TO APPROPRIATIONS FOR THE CATHODIC PROTECTION RESTORATION PROJECT; AND FOR OTHER PURPOSES.**

**Council Meeting Date: September 16, 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 \$164,007.00 to transfer funds from General Reserve for Appropriation and add to Appropriation funds for:

- 1) the Cathodic Protection Restoration System Project's Cost Proposal revised and increased. Scope of work entails utilizing this protection application to minimize corrosive deterioration of, and enhance, the steel water transmission mains; to prevent main breaks and prevent negative impact on water pressure, flow and quality. Public health and safety will be enhanced as cathodic protection is applied to steel water transmission mains throughout the distribution system.

**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: \$614,007.00; 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



## OES- CAPITAL PROJECTS MANAGEMENT DIVISION

### PROJECT INFORMATION OVERVIEW

**PROJECT NAME:** Distribution System Cathodic Protection Restoration

**WBS #:** W.02.01.0018

**PROJECT MANAGER NAME:** Rhonda Crenshaw

**PRC DATE:** 11/15/2013 & 1/22/2013

#### PROJECT SCOPE/BACKGROUND:

The scope of this project will include retaining a consultant to assess the City's existing cathodic protection systems on the steel piping assets and develop the construction documents required to renew critical pipeline cathodic protection systems on drinking water steel pipe.

There is a need to utilize cathodic protection to minimize corrosive deterioration of steel water transmission mains in the distribution system. In order to reduce the effects of detrimental corrosion on this buried infrastructure, steel pipe typically has an applied protective coating such as an epoxy paint or tape wrap. However, in order to maximize the design life of the pipe (typically 20 years) it is also an industry standard to design and install a cathodic protection system along the pipeline route. Cathodic protection is an industry proven method of minimizing corrosive deterioration of steel water mains. This project renews the cathodic protection systems that currently exist for the large (24"-72") steel piping in the drinking water system. Steel pipe is present in both the transmission mains and yard piping within the treatment plants and accounts for 21.7 miles or 114,663 linear feet of assets installed between 1961-1995. The existing cathodic protection systems are near or have exceeded their original design life. Failure to replace these systems will result in an accelerated reduction of the steel pipe lifespan.

#### PROJECT JUSTIFICATION:

1-Customer Service: The purpose of this project is to address areas of the water distribution system where corrosive pipes exist, thus providing DWM staff and the constituency with an assuredness that delivery of service will be executed with improved efficiency and with lower risk levels of failure to breaking due to corrosion and water outages.

2-Safety: Failed cathodic protection systems on steel pipe present a public hazard when a pressured water main unexpectedly breaks due to corrosive damage. Corrosive mains also impacts water pressure, flow, and quality. Public health and safety will be enhanced as adequate cathodic protection is applied to steel water transmissions and yard piping within the treatment plants. Cathodically protecting pipes will aid in compliance with water quality standards and will eliminate water loss occasioned by breaks and system shutdowns.

3-Compliance: Minimum system pressure requirements of 40psi (Rules and Regulations Governing Development of Design and Installation of Water Lines in The Atlanta Metropolitan Water Distribution System).

4-Efficiency: This project enhances system reliability and efficiency by addressing areas of the system that have become inefficient in their operation. Adequate cathodic protection preserves the service life of steel pipe. Additionally, efficiency of service delivery is enhanced by identifying and rectifying water pipes that lack adequate cathodic protection. The probability of failure and unaccounted for water loss is reduced and system reliability is enhanced.

#### DESIGN ANALYSIS/CONCERNS:

- An Alignment Corrosion Study will be performed. Analysis will be performed at a minimum of every 500 linear feet to pipe depth along the selected pipeline routes. Testing and analysis shall be performed to ASTM



OES- CAPITAL PROJECTS MANAGEMENT DIVISION

standards and include: soil resistivity measurements, and chemical analysis data for soil samples including pH, water-soluble chloride and sulfate, and electrical conductivity.

- Observation of existing facilities and conditions along the proposed alignment that could affect the corrosion potential of the proposed pipeline. These may include existing buried pipelines, tanks, electrical transmission lines and cathodic protection systems installed by other entities.

**CONSTRUCTION ANALYSIS/CONCERNS:** N/A

**COMMUNICATION HIGHLIGHTS:** This project will impact Neighborhood Planning Units A, D, E, G, H, I, K, L, P, Q, T, V, Z and the Council Districts of Karla Smith (1), Kwanza Hall (2), Ivory Lee Young Jr. (3), Clela Winslow (4), Yolanda Adrean (8), Felecia A. Moore (9), C.T. Martin (10), and Keisha Bottoms (11)

A plan of action for implementing and executing a communications plan is currently being discussed with the DWM Office of Customer and Business Services.

**PROJECT STATUS:** A Request for Proposal/Basis of Design has been developed.

**PROJECT SCHEDULE:** Anticipated Design Start: 6/13/13 (contingent upon

Activity	Estimated Duration (weeks)	6/13/13	6/20/13	6/27/13	7/4/13	7/11/13	7/18/13	7/25/13	8/1/13	8/8/13	8/15/13	8/22/13	8/29/13	9/5/13	9/12/13	9/19/13	9/26/13	10/3/13	10/10/13	10/17/13	10/24/13	10/31/13	11/7/13	11/14/13	11/21/13	11/28/13	12/5/13	12/12/13	12/19/13	12/26/13	1/2/14	1/9/14	1/16/14	1/23/14	1/30/14	2/6/14	2/13/14	2/20/14	2/27/14	3/6/14	3/13/14	3/20/14	3/27/14	4/3/14	4/10/14	4/17/14	4/24/14	5/1/14	5/8/14	5/15/14	5/22/14	5/29/14	6/5/14	6/12/14	6/19/14	6/26/14	7/3/14	7/10/14	7/17/14	7/24/14	7/31/14	8/7/14	8/14/14	8/21/14	8/28/14	9/4/14	9/11/14	9/18/14	9/25/14	10/2/14	10/9/14	10/16/14	10/23/14	10/30/14	11/6/14	11/13/14	11/20/14	11/27/14	12/4/14	12/11/14	12/18/14	12/25/14	1/1/15	1/8/15	1/15/15	1/22/15	1/29/15	2/5/15	2/12/15	2/19/15	2/26/15	3/5/15	3/12/15	3/19/15	3/26/15	4/2/15	4/9/15	4/16/15	4/23/15	4/30/15	5/7/15	5/14/15	5/21/15	5/28/15	6/4/15	6/11/15	6/18/15	6/25/15	7/2/15	7/9/15	7/16/15	7/23/15	7/30/15	8/6/15	8/13/15	8/20/15	8/27/15	9/3/15	9/10/15	9/17/15	9/24/15	10/1/15	10/8/15	10/15/15	10/22/15	10/29/15	11/5/15	11/12/15	11/19/15	11/26/15	12/3/15	12/10/15	12/17/15	12/24/15	1/7/16	1/14/16	1/21/16	1/28/16	2/4/16	2/11/16	2/18/16	2/25/16	3/4/16	3/11/16	3/18/16	3/25/16	4/1/16	4/8/16	4/15/16	4/22/16	4/29/16	5/6/16	5/13/16	5/20/16	5/27/16	6/3/16	6/10/16	6/17/16	6/24/16	7/1/16	7/8/16	7/15/16	7/22/16	7/29/16	8/5/16	8/12/16	8/19/16	8/26/16	9/2/16	9/9/16	9/16/16	9/23/16	9/30/16	10/7/16	10/14/16	10/21/16	10/28/16	11/4/16	11/11/16	11/18/16	11/25/16	12/2/16	12/9/16	12/16/16	12/23/16	12/30/16	1/6/17	1/13/17	1/20/17	1/27/17	2/3/17	2/10/17	2/17/17	2/24/17	3/2/17	3/9/17	3/16/17	3/23/17	3/30/17	4/6/17	4/13/17	4/20/17	4/27/17	5/4/17	5/11/17	5/18/17	5/25/17	6/1/17	6/8/17	6/15/17	6/22/17	6/29/17	7/6/17	7/13/17	7/20/17	7/27/17	8/3/17	8/10/17	8/17/17	8/24/17	8/31/17	9/7/17	9/14/17	9/21/17	9/28/17	10/5/17	10/12/17	10/19/17	10/26/17	11/2/17	11/9/17	11/16/17	11/23/17	11/30/17	12/7/17	12/14/17	12/21/17	12/28/17	1/4/18	1/11/18	1/18/18	1/25/18	2/1/18	2/8/18	2/15/18	2/22/18	2/29/18	3/6/18	3/13/18	3/20/18	3/27/18	4/3/18	4/10/18	4/17/18	4/24/18	5/1/18	5/8/18	5/15/18	5/22/18	5/29/18	6/5/18	6/12/18	6/19/18	6/26/18	7/3/18	7/10/18	7/17/18	7/24/18	7/31/18	8/7/18	8/14/18	8/21/18	8/28/18	9/4/18	9/11/18	9/18/18	9/25/18	10/2/18	10/9/18	10/16/18	10/23/18	10/30/18	11/6/18	11/13/18	11/20/18	11/27/18	12/4/18	12/11/18	12/18/18	12/25/18	1/1/19	1/8/19	1/15/19	1/22/19	1/29/19	2/5/19	2/12/19	2/19/19	2/26/19	3/5/19	3/12/19	3/19/19	3/26/19	4/2/19	4/9/19	4/16/19	4/23/19	4/30/19	5/7/19	5/14/19	5/21/19	5/28/19	6/4/19	6/11/19	6/18/19	6/25/19	7/2/19	7/9/19	7/16/19	7/23/19	7/30/19	8/6/19	8/13/19	8/20/19	8/27/19	9/3/19	9/10/19	9/17/19	9/24/19	10/1/19	10/8/19	10/15/19	10/22/19	10/29/19	11/5/19	11/12/19	11/19/19	11/26/19	12/3/19	12/10/19	12/17/19	12/24/19	1/7/20	1/14/20	1/21/20	1/28/20	2/4/20	2/11/20	2/18/20	2/25/20	3/4/20	3/11/20	3/18/20	3/25/20	4/1/20	4/8/20	4/15/20	4/22/20	4/29/20	5/6/20	5/13/20	5/20/20	5/27/20	6/3/20	6/10/20	6/17/20	6/24/20	7/1/20	7/8/20	7/15/20	7/22/20	7/29/20	8/5/20	8/12/20	8/19/20	8/26/20	9/2/20	9/9/20	9/16/20	9/23/20	9/30/20	10/7/20	10/14/20	10/21/20	10/28/20	11/4/20	11/11/20	11/18/20	11/25/20	12/2/20	12/9/20	12/16/20	12/23/20	12/30/20	1/6/21	1/13/21	1/20/21	1/27/21	2/3/21	2/10/21	2/17/21	2/24/21	3/2/21	3/9/21	3/16/21	3/23/21	3/30/21	4/6/21	4/13/21	4/20/21	4/27/21	5/4/21	5/11/21	5/18/21	5/25/21	6/1/21	6/8/21	6/15/21	6/22/21	6/29/21	7/6/21	7/13/21	7/20/21	7/27/21	8/3/21	8/10/21	8/17/21	8/24/21	8/31/21	9/7/21	9/14/21	9/21/21	9/28/21	10/5/21	10/12/21	10/19/21	10/26/21	11/2/21	11/9/21	11/16/21	11/23/21	11/30/21	12/7/21	12/14/21	12/21/21	12/28/21	1/4/22	1/11/22	1/18/22	1/25/22	2/1/22	2/8/22	2/15/22	2/22/22	2/29/22	3/6/22	3/13/22	3/20/22	3/27/22	4/3/22	4/10/22	4/17/22	4/24/22	5/1/22	5/8/22	5/15/22	5/22/22	5/29/22	6/5/22	6/12/22	6/19/22	6/26/22	7/3/22	7/10/22	7/17/22	7/24/22	7/31/22	8/7/22	8/14/22	8/21/22	8/28/22	9/4/22	9/11/22	9/18/22	9/25/22	10/2/22	10/9/22	10/16/22	10/23/22	10/30/22	11/6/22	11/13/22	11/20/22	11/27/22	12/4/22	12/11/22	12/18/22	12/25/22	1/1/23	1/8/23	1/15/23	1/22/23	1/29/23	2/5/23	2/12/23	2/19/23	2/26/23	3/5/23	3/12/23	3/19/23	3/26/23	4/2/23	4/9/23	4/16/23	4/23/23	4/30/23	5/7/23	5/14/23	5/21/23	5/28/23	6/4/23	6/11/23	6/18/23	6/25/23	7/2/23	7/9/23	7/16/23	7/23/23	7/30/23	8/6/23	8/13/23	8/20/23	8/27/23	9/3/23	9/10/23	9/17/23	9/24/23	10/1/23	10/8/23	10/15/23	10/22/23	10/29/23	11/5/23	11/12/23	11/19/23	11/26/23	12/3/23	12/10/23	12/17/23	12/24/23	1/7/24	1/14/24	1/21/24	1/28/24	2/4/24	2/11/24	2/18/24	2/25/24	3/4/24	3/11/24	3/18/24	3/25/24	4/1/24	4/8/24	4/15/24	4/22/24	4/29/24	5/6/24	5/13/24	5/20/24	5/27/24	6/3/24	6/10/24	6/17/24	6/24/24	7/1/24	7/8/24	7/15/24	7/22/24	7/29/24	8/5/24	8/12/24	8/19/24	8/26/24	9/2/24	9/9/24	9/16/24	9/23/24	9/30/24	10/7/24	10/14/24	10/21/24	10/28/24	11/4/24	11/11/24	11/18/24	11/25/24	12/2/24	12/9/24	12/16/24	12/23/24	12/30/24	1/6/25	1/13/25	1/20/25	1/27/25	2/3/25	2/10/25	2/17/25	2/24/25	3/2/25	3/9/25	3/16/25	3/23/25	3/30/25	4/6/25	4/13/25	4/20/25	4/27/25	5/4/25	5/11/25	5/18/25	5/25/25	6/1/25	6/8/25	6/15/25	6/22/25	6/29/25	7/6/25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