

D.C. WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS
WATER QUALITY AND WATER SERVICES
COMMITTEE MEETING

Thursday, March 17, 2011
11:30 a.m.
AGENDA

- | | | |
|-------------------|---|------------------------------------|
| 11:30 a.m. | I. Call to Order | Joseph Cotruvo
Vice Chairperson |
| 11:35 a.m. | II. Water Quality Monitoring <ul style="list-style-type: none">• Total Coliform Testing• LCR Compliance Testing | Charles Kiely |
| 11:40 a.m. | III. SPLASH Greater Washington <ul style="list-style-type: none">• Greater Washington Urban League | Audrey Epperson |
| 12:00 p.m. | IV. Fire Hydrant Program <ul style="list-style-type: none">• Service Status | David Wall |
| 12:10 p.m. | V. Customer Assistance Program | Lauren Preston |
| 12:15 p.m. | VI. Water Main Break Occurrences <ul style="list-style-type: none">• Comparative Story | Charles Kiely |
| 12:30 p.m. | VII. Action Items – Non Joint Use Items

Contract No. 070110 Rehabilitation and Upgrade of the Fort Reno Pumping Station | Charles Sweeney |
| 12:40 p.m. | VIII. Status of Lead Outreach Materials | Alan Heymann |
| 12:45 p.m. | IX “Spring Cleaning” | Charles Kiely |
| 12:50 p.m. | X. Emerging Issues/Other Business | |

12:55 p.m. XI. Agenda for next meeting

Committee

1:00 p.m. XII. Adjournment

Joseph Cotruvo
Vice Chairperson

Follow Up Items

Provide a briefing on DC Water participation in the lead-in-water project funding by the Robert Wood Johnson Foundation. (Requested at January 20, 2011 meeting.) – Completed

Provide the presentation made to the HR and Labor Relations Committee about the operations vulnerability and safety at DC Water facilities – suggested as appropriate for a presentation to a joint meeting with the Environmental Quality and Sewerage Services Committee (Requested at November 18, 2010 meeting.)

Provide briefing update on SPLASH program (requested at January 20, 2011 meeting.) (scheduled for March 17, 2011).

Discussion on how to deal with “forced” partial lead service line replacements (i.e. partial LSLRs that result incidental to water main renewal construction activities) (requested at November 18, 2010 meeting).

Provide update on the bill comparison across jurisdictions (requested following February 17, 2011 meeting) (Scheduled for March 23, 2011 Retail Rates Committee).

GREATER WASHINGTON URBAN LEAGUE, INC
PRESENTATION TO DC WATER BOARD OF DIRECTORS
MARCH 17, 2011

1. *GWUL SPLASH Program Overview*

- a. Number of clients served to date (October 1, 2010 to March 16, 2011)
- b. Number of individuals impacted

2. *GWUL SPLASH Program Outreach Efforts*

- a. Program featured in GWUL UpLift Magazine
- b. Program featured in GWUL brochure
- c. Program featured on parent center web site
(www.gwulparentcenter.org)
- d. Distribution of outreach materials during exhibit set ups in community
- e. Program featured on GWUL **ON TRACK** community service radio show

3. *GWUL Customer Communications*

- a. Telephone conversations
- b. Appointments
- c. Follow-up telephone conversations

4. *Success Stories*

Status Report of Public Fire Hydrants for DC Water Services Committee – March 1, 2011

	December Cmte. Report (Dec. 01, 2010)	January Cmte. Report (Jan. 05, 2011)	February Cmte. Report (Feb. 01, 2011)	March Cmte. Report (Mar. 01, 2011)
Public Fire Hydrants:	9,138	9,137	9,147	9,143
In Service:	8,991	8,989	9,009	9,032
Marked Out-of-Service (OOS):	147	148	138	111
OOS - defective requiring repair / replacement	86	88	74	49
% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)	0.94%	0.96%	0.81%	0.54%
OOS - due to inaccessibility or temp construction work	61	60	64	62
<i>Note: The number of public hydrants in the DC Water system fluctuates; this number fluctuates as hydrants are added and removed during development or construction activities as well as at the request of the Fire Dept.</i>				

Breakdown of Public Fire Hydrants Out-of-Service (OOS) (as of March 1, 2011) 111

Breakdown of Defective

	0-7 Days	8-14 Days	15-30 Days	31-60 Days	60-90 Days	91-120 Days	> 120 Days	Total
Hydrant Needs Repair/Investigation	0	0	0	0	0	0	0	0
Needs Valve Investigation for Low Flow/Pressure	0	2	0	1	0	0	3	6
Needs Replacement	2	4	4	9	4	3	17	43

Defective

49

Breakdown of Others

	0-7 Days	8-14 Days	15-30 Days	31-60 Days	60-90 Days	91-120 Days	> 120 Days	Total
Temporarily OOS as part of operations such as a main repair	2	0	0	2	0	1	0	5
New Construction*	0	1	0	15	7	3	19	45
Obstructed Hydrant – OOS hydrant due to operation impeded by an obstruction.	0	0	1	0	1	0	10	12

Others

62

*New Construction - Either a new hydrant which hasn't been commissioned or an existing hydrant which will be abandoned as part of an ongoing construction project.

Status of Private Fire Hydrants -Based on FEMS Inspection Reporting

Private Hydrants:	1,423
• In Service:	1,268
• Out-of-Service(OOS):	155



Hydrants

Effective



WATER MAIN BREAK REVIEW: AVERAGE BREAK ANALYSIS

Water Quality and Water Services Committee
Thursday, February 17, 2011

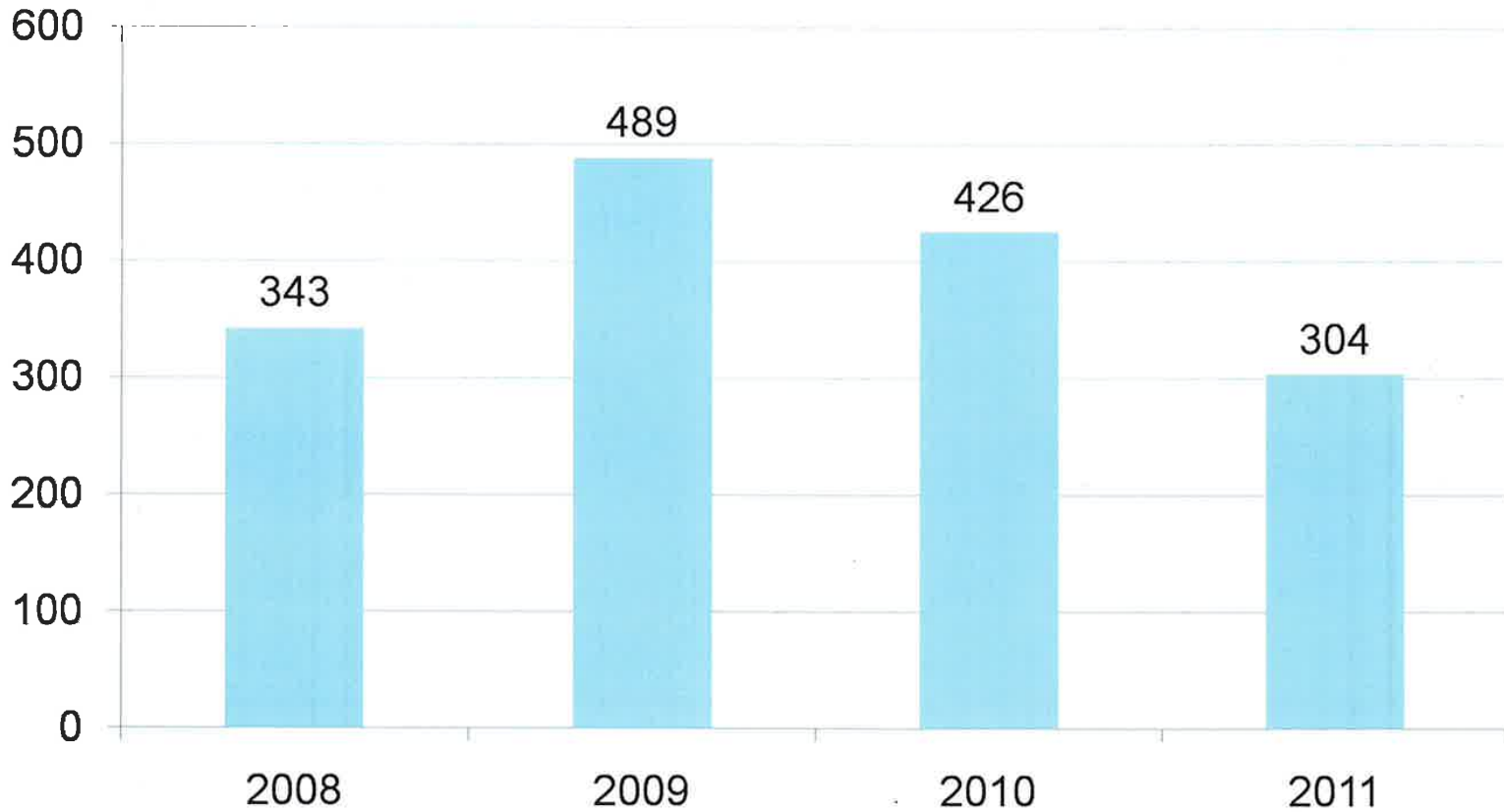


Main Repair Activity

- DC Water DWS Main Repairs
 - FY 2008 343
 - FY 2009 489
 - FY 2010 426
 - FY 2011 304 Thru February 2011



Water Main Repairs by Year



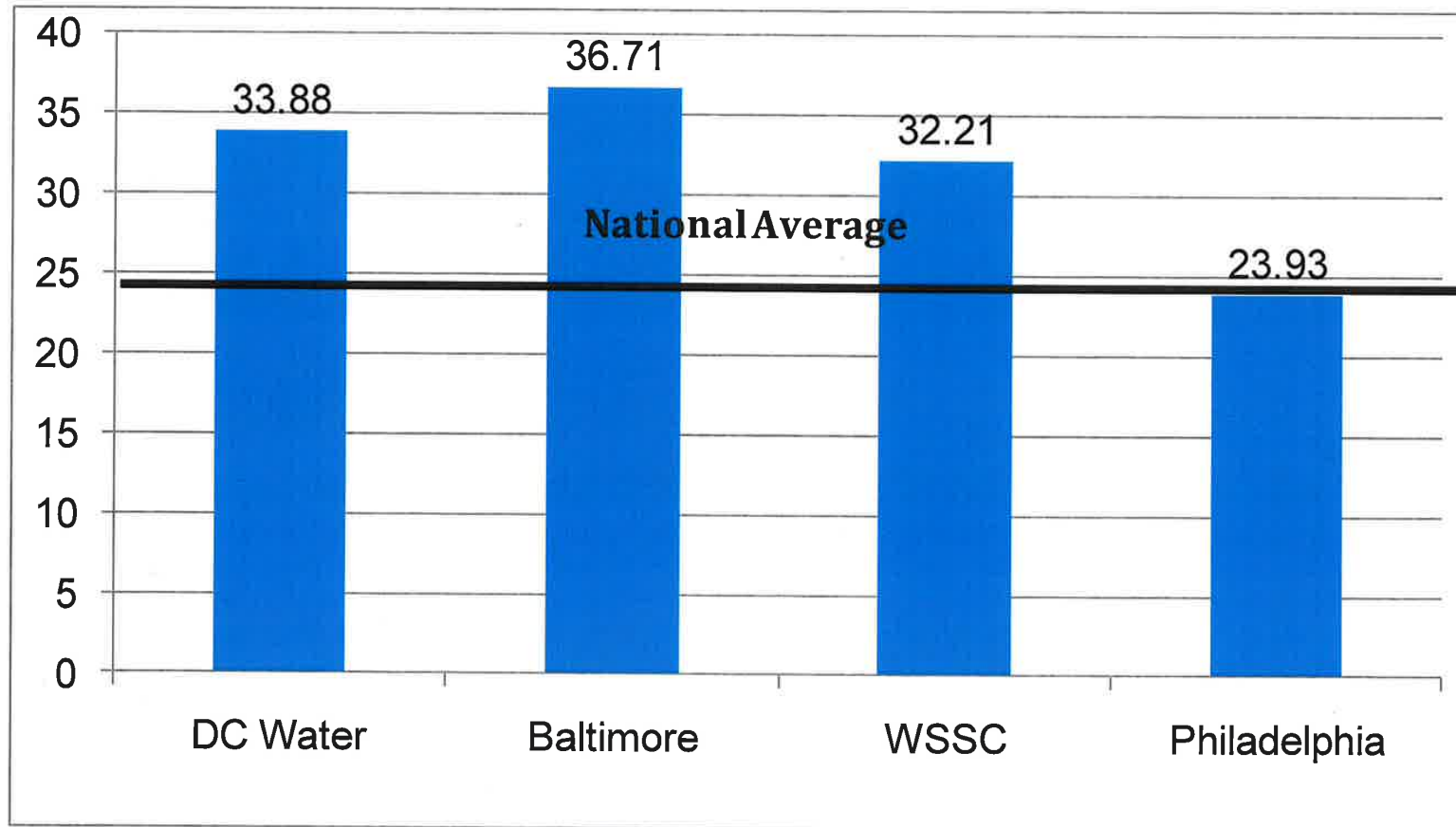


Comparison Utilities

- Average Number of Water Main Repairs
 - *National Average:* 25.00 repairs / 100 miles
 - **DC Water:** 33.88 repairs / 100 miles
 - Baltimore: 36.71 repairs / 100 miles
 - WSSC: 32.21 repairs / 100 miles
 - Philadelphia: 23.93 repairs / 100 miles



Average Number of Water Main Repairs per 100 Miles of Pipe





Typical or Average Main Repair 7th Street NW

Repair cost vary widely depending on damage



6



Average Main Repair Costs DC WATER Crews

DC WATER MAIN REPAIR

	<u>Gross Pay</u>	<u>Loadings</u>	<u>Total Cost</u>
Distribution	\$2,112.00	0.6	\$3,379.20
Support	\$448.00	0.6	<u>\$716.80</u>
Total Labor Cost			\$4,096.00
Materials			\$1,007.36
Paving Cost			\$3,140.00
Total Cost			\$8,243.36

Loadings include benefits and equipment



Average Main Repair - Contractor

Infrastructure Repair Contract

Direct Labor Cost	\$3,582.20
Labor Valve & Investigation	\$716.80
Equipment	\$869.75
Materials	\$1,390.16
Paving Cost	\$3,140.00
Construction Mgt	\$876.32
Total Cost	\$10,575.23



Major Water Main Break Florida Avenue NW





Major Repair

1740 Florida Avenue NW

Break reported on May 6, 2009

Repair Completed May 8, 2009

Restoration Completed on May 12, 2009

Cost of Repair:

- Main Repair \$54,873
- Street Restoration \$157,673
- Total Repair Cost **\$212,546**



Major Repair Constitution Avenue

- 10th and Constitution Avenue, NW (24 inch main break)

Break reported on October 15, 2010

Repair Completed October 19, 2010

Restoration Completed on October 25, 2010

- Cost of Repair:

Main Repair	\$42,663
Street Restoration	\$719,827
Total Repair Cost	\$762,490



Major Repair Spring Place

- 16th St and Spring Place, NW (Water and Sewer main breaks)

Break reported on December 31, 2009

Repair Completed January 28, 2010

Restoration Completed on March 16, 2010

- Cost of Repair:

Water Main Repair	\$59,300
Sewer Main Repair	\$75,000*
Sewer Clean Up	\$100,000*
Street Restoration	\$95,000*
Total Repair Cost	\$329,300*

* Approximate values that have not been confirmed at this time

**DC WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

ACTION REQUESTED

CONSTRUCTION CONTRACT:

**Rehabilitation and Upgrade of the Fort Reno Pumping Station
(Non-Joint Use)**

Approval to execute a construction contract for \$4,100,000.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
CPP Construction Company, Inc. 362 B Christopher Avenue Gaithersburg, MD 20879	Arriba Mechanical, Inc. MBE Baltimore, MD 21214 Ideal Electrical Supply, Inc WBE Washington, DC 20018	33% 6%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$4,100,000.00
 Contract Time: 820 Days (2 Years, 3 Months)
 Anticipated Contract Start Date: 05-09-2011
 Anticipated Contract Completion Date: 08-06-2013
 Bid Opening Date: 02-09-2011
 Bids Received: 4
 Bid Range: \$4,100,000.00 - \$5,294,000.00

Purpose of the Contract:

- To rehabilitate and upgrade Fort Reno Pumping Station, increase water pressure and improve water supply reliability to the 4th High Service Area west of Rock Creek Park.

Contract Scope:

- Replacement of the existing pump controls, electrical service, emergency back-up generator, surge valves and three variable frequency drives.
- Installation of surge relief valves and an altitude valve for the Elevated Tank No.2.
- Upgrade of two remote pressure sensing sites.
- Installation of power and communication conduits to facilitate installation of a security system in the future.

Federal Grant Status:

- Construction contract will be funded in part by Federal grant.

PROCUREMENT INFORMATION

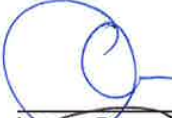
Contract Type:	Fixed Price	Award Based On:	Lowest responsive, responsible bidder.
Commodity:	Construction	Contract Number:	070110
Contractor Market:	Open Market		


BUDGET INFORMATION

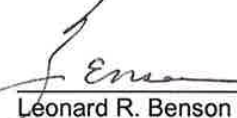
Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	David McLaughlin
Project:	AY		

USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	23.90%	\$ 980,000.00
Federal Funds EPA SDWA Grant	76.10%	\$3,120,000.00
Washington Suburban Sanitary Commission	0.00%	\$ 0
Fairfax County	0.00%	\$ 0
Loudoun County & Potomac Interceptor	0.00%	\$ 0
Total Estimated Dollar Amount	100.00%	\$ 4,100,000.00


 Yvette Downs
 Director of Finance & Budget
 Date: 3/10/11


 Rosalind R. Inge
 Director of Procurement
 Date: 3/10/11


 Leonard R. Benson
 Chief Engineer
 Date: 3/10/11

 George S. Hawkins
 General Manager
 Date: _____