



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**

**BOARD OF DIRECTORS**

***WATER QUALITY AND WATER SERVICES  
COMMITTEE MEETING***

**Thursday, October 20, 2016  
11:00 a.m.  
5000 Overlook Avenue, SW  
Washington, DC 20032**

**11:00 a.m. I. Call to Order**

Rachna Butani  
Chairperson

**11:05 a.m. II. Water Quality Monitoring**

Jason Hughes

**Coliform Testing  
LCR Compliance Testing**

**11:15 a.m. III. Fire Hydrant Upgrade Program**

David Wall

**Status Report of Public Fire Hydrants  
Out of Service Fire Hydrant Map**

**11:30 a.m. IV. Non Joint Use-**

Jason Hughes

- 16-PCR-DCS-66: Installation of DC Water Supplied Meters and MTUs- Smart Grid Solutions

**11:45 a.m. V. Executive Session\***

**Adjournment**

\*The DC Water Board of Directors may go into executive session at this meeting pursuant to the District of Columbia Open Meetings Act of 2010, if such action is approved by a majority vote of the Board members who constitute a quorum to discuss: matters prohibited from public disclosure pursuant to a court order or law under D.C. Official Code § 2-575(b)(1); contract negotiations under D.C. Official Code § 2-575(b)(1); legal, confidential or privileged matters under D.C. Official Code § 2-575(b)(4); collective bargaining negotiations under D.C. Official Code § 2-575(b)(5); facility security under D.C. Official Code § 2-575(b)(8); disciplinary matters under D.C. Official Code § 2-575(b)(9); personnel matters under D.C. Official Code § 2-575(b)(10); proprietary matters under D.C. Official Code § 2-575(b)(11); decision in an adjudication action under D.C. Official Code § 2-575(b)(13); civil or criminal matters where disclosure to the public may harm the investigation under D.C. Official Code § 2-575(b)(14), and other matters provided in the Act.

**Status Report of Public Fire Hydrants for DC Water Services Committee - October 3, 2016**

	July Cmte. Report (Jul 08, 2016)	August Cmte. Report (Aug 09, 2016)	September Cmte. Report (Sep 07, 2016)	October Cmte. Report (Oct 03, 2016)
Public Fire Hydrants:	9,517	9,504	9,514	9,517
In Service:	9,437	9,446	9,448	9,457
Marked Out-of-Service (OOS)	80	58	66	60
OOS - defective requiring repair/replacement	34	28	40	36
<b>% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)</b>	<b>0.36%</b>	<b>0.29%</b>	<b>0.42%</b>	<b>0.38%</b>
OOS - due to inaccessibility or temp construction work	46	30	26	24

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.

**Breakdown of Public Fire Hydrants Out-of-Service (OOS) as of October 3, 2016 60**

**Breakdown of Defective**

	0-7 Days	8-14 Days	15-30 Days	31-60 Days	61-90 Days	91-120 Days	> 120 Days	Total
Hydrant Needs Repair/Investigation	9	0	1	0	0	0	3	13
Needs Valve Investigation for Low Flow/Pressure or Shut Test for Replacement	0	0	0	0	0	0	1	1
Needs Replacement	0	0	2	5	2	1	12	22

**Defective 36** ←

**Breakdown of Others**

	0-7 Days	8-14 Days	15-30 Days	31-60 Days	61-90 Days	91-120 Days	> 120 Days	Total
Temporarily OOS as part of operations such as a main repair	0	0	1	1	3	4	5	14
Construction* - OOS	0	0	0	0	0	0	5	5
Obstructed Hydrant – OOS hydrant due to operation impeded by an obstruction.	0	0	0	0	0	0	5	5

**Others 24** ←

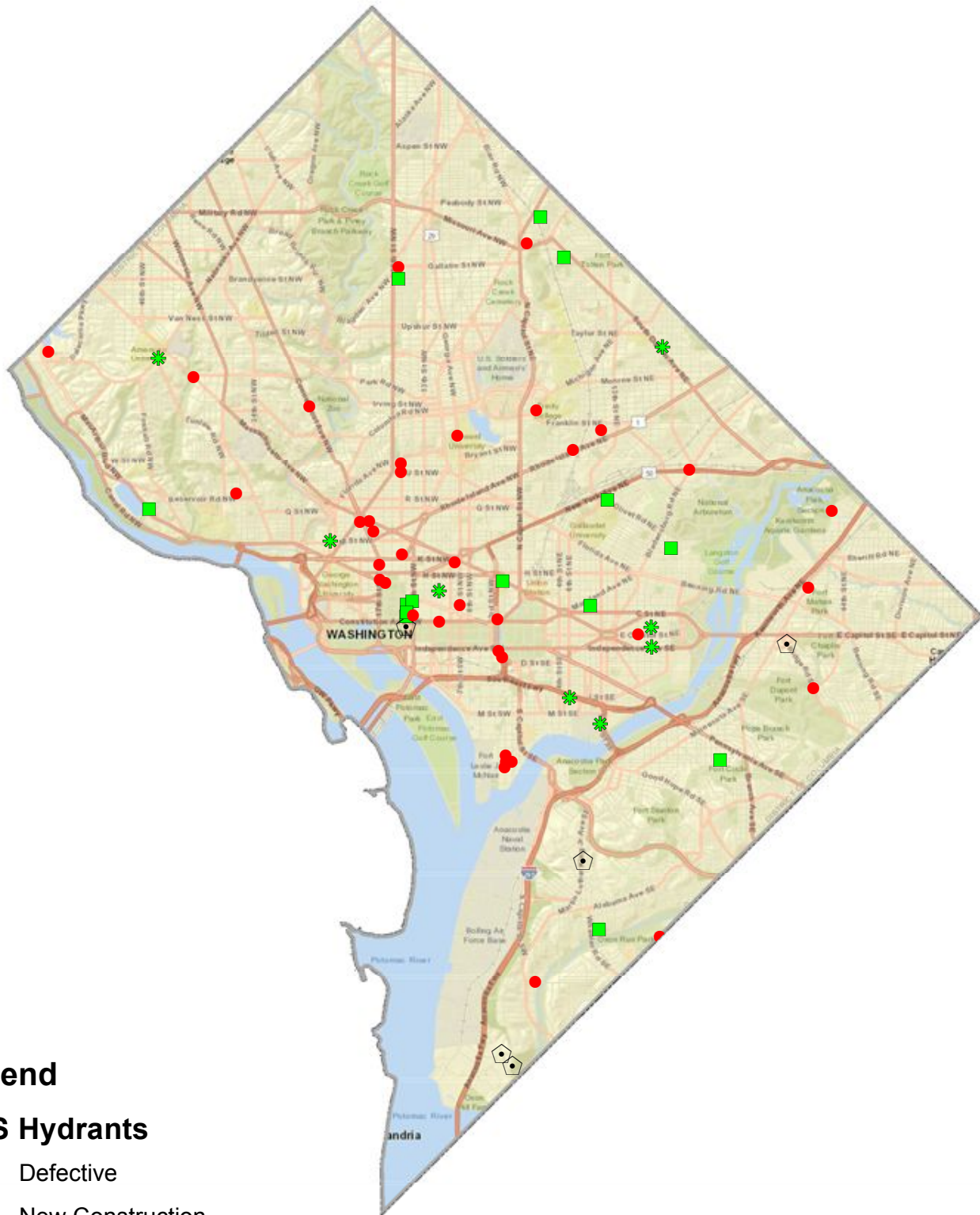
\*Fire hydrants not accessible due to construction activities. Also includes new hydrants which have not yet been commissioned or old hydrants which will be abandoned as part of ongoing construction projects.

**Status of Private Fire Hydrants-Based on FEMS Inspection Reporting**

Private Hydrants:	1,318
• In Service:	1,189
• Out-of-Service (OOS):	129

# Map of Public Out-of-Service Hydrants

October 3, 2016



## Legend

### OOS Hydrants

- Defective
- \* New Construction
- ⬠ Obstructed
- Temporary

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT AWARD  
INSTALLATION OF DC WATER SUPPLIED METERS AND MTUs  
(Non-joint Use)**

Approval to execute a contract for the installation of water meters and meter transmission units (MTUs) with a value of \$7,000,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Smart Grid Solutions, LLC 200 Presidents Plaza Herndon, VA 20170	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Base Year Contract Value:	\$7,000,000.00
Contract Period:	2 Years
Option Years:	None
Anticipated Contract Start Date:	11-10-2016
Anticipated Contract Completion Date:	11-09-2018
Proposal Closing Date:	9/20/2016
Number of Proposals Received:	3
Proposal Range:	\$5,559,741.69 – \$11,182,965.00 (Installation Labor Only)
Preference Points Received:	0

**Purpose of the Contract:**

This contract is to install water meters and meter transmitting units (MTUs) that are nearing the end of their useful life in support of rehabilitating DC Water’s Automated Meter Reading (AMR)/Advanced Meter Infrastructure (AMI) system. The new equipment will improve meter reading automation and accuracy, improve customer satisfaction, and reduce future maintenance costs.

**Contract Scope:**

The Contractor will remove existing meters and transmitters, and replace them with DC Water-supplied meters and/or MTUs at over 85,000 premises in Washington D.C. Meters are 2” or less, and over 90% are ¾”, ½” or 1” meters. Approximately 95% of installations are in outside pits in the public space.

The Contractor must adhere to DC Water’s data exchange requirements for capturing, storing, receiving and transmitting equipment and installation data, and be able to scan bar codes to reduce data entry errors.

Installation work will be completed within the defined Base Scope unit price proposal items with optional ancillary service unit prices when the exact scope could not be clearly defined in the Base Scope such as, work inside buildings, unique exterior configurations, and other related Non-Base Scope items. For these Non-Base Scope items, a contingent item was included as an allowance, which may be used to compensate the Contractor for additional Work as defined and approved by DC Water’s Contracting Officer’s Technical Representative (COTR). Such Work may be due to undetermined, unanticipated, or differing site conditions or other issues not included in the original scope of Work of this contract. No Work shall be performed unless directed in writing by the COTR. The cost for Base Scope unit price proposal items is \$5,559,741.69 (approximately 80% of the total contract) and the allowance included is \$1,440,258.31 (approximately 20% of the total contract).

**Supplier Selection:**

Three vendors submitted proposals, one of which was judged non-responsive because that vendor failed to provide important information and documents. The remaining proposals were evaluated by a six-member Technical Evaluation Team comprising staff from Customer Care, Engineering, IT, and Procurement. Proposal scoring was based on Vendor Qualifications and Experience (25%); Project Team Organization and Key Personnel Qualifications (25%); Technical Approach (30%); and Price (20%). Up to an additional 10% could be awarded to Local Business or Local Small Business Enterprises. Smart Grid Solutions received the highest score by far: 92% out of 100%.

No LBE/LSBE participation.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price Requirements Contract	<b>Award Based On:</b>	Highest-Scoring Proposal
<b>Commodity:</b>	Goods and Services	<b>Contract Number:</b>	16-PR-DCS-66
<b>Contractor Market:</b>	Open Market with Preference Points for LBE and LSBE Participation		

**BUDGET INFORMATION**

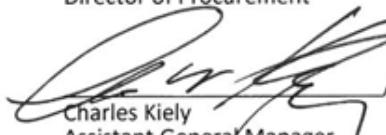
<b>Funding:</b>	Capital	<b>Department:</b>	Customer Care & Operations
<b>Service Area:</b>	Washington D.C. Customers	<b>Department Head:</b>	Charles Kiely

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$7,000,000.00
Washington Suburban Sanitary Commission	0%	\$0.00
Fairfax County	0%	\$0.00
Loudoun Water	0%	\$0.00
Other (PI)	0%	\$0.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$7,000,000.00</b>

  
 \_\_\_\_\_, 10/11/16  
 Mark Kim Date  
 Chief Financial Officer

  
 \_\_\_\_\_, 10/11/16  
 Dan Bae Date  
 Director of Procurement

  
 \_\_\_\_\_, 10/11/16  
 Charles Kiely Date  
 Assistant General Manager,  
 Customer Care & Operations

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 George S. Hawkins Date  
 General Manager