



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
225<sup>th</sup> MEETING OF THE BOARD OF DIRECTORS  
Thursday, November 3, 2016  
9:30 a.m.  
5000 Overlook Avenue, SW  
Room 407**

- I. **Call to Order (Chairman Matthew Brown)**
- II. **Roll Call (Linda Manley, Board Secretary)**
- III. **Approval of October 6, 2016 Minutes**
- IV. **Chairman's Overview**
- V. **Committee Reports**
  1. **Special Governance Committee (Ellen Boardman)**
  2. **Environmental Quality and Sewerage Services Committee (Bo Menkiti)**
  3. **Water Quality and Water Services Committee (Rachna Butani)**
- VI. **CEO/General Manager's Report (CEO/General Manager George Hawkins)**
- VII. **Summary of Contracts (FYI)**
- VIII. **Consent Items (Joint Use)**
  1. **Approval to Execute Option Year Four of Contract No. WAS-12-033-AA-RE, Centerra Integrated Services, LLC – Resolution No. 16-86 (Recommended by Environmental Quality and Sewerage Services Committee 10/20/16)**
  2. **Approval to Execute Option Year Four of Contract No. WAS-12-035-AA-RE, Centerra Integrated Services, LLC - Resolution No. 16-87 (Recommended by Environmental Quality and Sewerage Services Committee 10/20/16)**
  3. **Approval to Execute DCFA #481, Greeley and Hansen/O'Brien & Gere Joint Venture - Resolution No. 16-88 (Recommended by Environmental Quality and Sewerage Services Committee 10/20/16)**
  4. **Approval to Execute Contract No. 150200, SAK Construction, LLC – Resolution No. 16-89 (Recommended by Environmental Quality and Sewerage Services Committee 10/20/16)**

5. [Approval to Authorize the General Manager to Establish Blue Drop, LLC – Resolution No. 16-90](#) (Recommended by Governance Committee 10/12/16)

**IX. Consent Item (Non-Joint Use)**

1. [Approval to Execute Contract No. 16-PR-DCS-66, Smart Grid Solutions, LLC – Resolution No. 16-91](#) (Recommended by Water Quality and Water Services Committee 10/20/16)

**X. Executive Session – To discuss legal, confidential and privileged matters pursuant to Section 2-575(b) of the D.C. Official Code<sup>1</sup>**

**XI. Adjournment**

<sup>1</sup> 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.

**Upcoming Committee Meetings (5000 Overlook Avenue SW (Blue Plains – 4<sup>th</sup> Floor)**

- Budget Workshop - FY 18 Proposed Budget (following Board meeting)
- Governance Committee – Wednesday, November 9<sup>th</sup> @ 9:00 a.m.
- Human Resource and Labor Relations Committee – Wednesday, November 9<sup>th</sup> @ 11:00 a.m. (CANCELLED)
- D.C. Retail Water and Sewer Rates Committee – Tuesday, November 15<sup>th</sup> @ 9:30 a.m.
- Joint Meeting – D.C. Retail Water and Sewer Rates and Finance and Budget Committees – Tuesday, November 15<sup>th</sup> @ 10:15 a.m.
- Environmental Quality and Sewerage Services Committee – Thursday, November 17<sup>th</sup> @ 9:30 a.m.
- Joint Meeting – Environmental Quality and Sewerage Services and Water Quality and Water Services Committees – Thursday, November 17<sup>th</sup> @ 10:15 a.m.
- Water Quality and Water Services Committee – Thursday, November 17<sup>th</sup> @ 11:00 a.m.
- Audit Committee – Friday, November 18<sup>th</sup> @ 9:30 a.m.

**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**

**BOARD OF DIRECTORS**

**GOVERNANCE COMMITTEE**

**MEETING MINUTES**

**October 12, 2016**

**Committee Members**

Ellen O. Boardman, Chairperson  
Matthew Brown  
Bradley Frome (via phone)  
David W. Lake  
Sarah Motsch  
Rachna B. Bhatt  
Bonnie Kirkland (via phone)

**D.C. Water Staff**

George S. Hawkins, General Manager  
Henderson J. Brown, IV, General Counsel  
Alan Heymann, Chief Marketing Officer  
Linda Manley, Board Secretary

Chairperson Boardman convened the meeting at 9:05 a.m.

**Agenda Item # 1 - DC Water's Blue Drop Project**

General Manager & CEO George Hawkins provided a follow-up presentation to the Committee on the progress of DC Water's Blue Drop proposal. He highlighted the objectives with emphasis on the primary and fundamental objective, "Relief for rising rates to water and sewer customers in the District and surrounding areas." He also discussed the revisions made to the Operating and Shared Services Agreements, and the Bylaws in response to comments received by Board Members at the September 2016 meeting.

Throughout the presentation, several board members asked many questions pertaining to the key documents, operations and reporting, and other issues provoked by Mr. Hawkins presentation. Chairperson Boardman asked why there was a need for a separate entity to accomplish the objective of providing relief to customers from rising rates. Mr. Hawkins responded that while DC Water already strives to keep the rates to customers down, there are several reasons that support the idea of a separate entity. He stated those reasons include consolidating activities that are performed by different segments within DC Water to bring increased transparency to those activities of DC Water. He also stated that consolidating revenue producing activities into a separate entity will help DC Water evaluate the success of those efforts. Finally, Mr. Hawkins stated that he hoped that consolidating activities will help in marketing products and services offered to others.

Chairperson Boardman also asked about the employment relationships and physical location of Blue Drop. Mr. Hawkins responded that while the current plan is to house Blue Drop and maintain

the location of its resources at DC Water, this will be revisited after Blue Drop is better established and its needs (manpower and other resources) are more specifically defined.

Committee Member Lake inquired about the reason for the name Blue Drop. Mr. Hawkins responded that the name is simple and easy to remember, and any materials disseminated to the public will make very clear what Blue Drop is and the products and services it will provide to customers.

Committee Member Frome inquired about capitalization and Mr. Hawkins stated that he intends to look within the current General Manager's budget and third party funding sources (including, grants, etc.) for Blue Drop. Mr. Hawkins added that any revenue generated will be distributed back to DC Water first, and an accounting of all contributions and funds generated will be reported on a regular and continuous basis, to both the Finance and Governance Committees.

Chairperson Boardman asked Mr. Hawkins to explain the Blue Drop platform. Mr. Hawkins stated that the initial step is to devise a portfolio showing customers what Blue Drop offers in terms of products and services, as well as providing a meeting place for other utilities to discuss and share information and ideas, and work together.

Chairperson Boardman asked about the marketing of Bloom and if partnerships with other organizations will provide DC Water with opportunities to receive credit on its DC PILOT or ROW fees. Mr. Heymann responded that the discussion has been ongoing. Mr. Hawkins responded that the discussion has been ongoing.

Mr. Hawkins then reviewed the proposed Operating Agreement for Blue Drop. He pointed out several revisions, including clarification of titles and/or positions, membership, a more general tax-exempt status, operational decisions, and governance and management.

Committee Member Kirkland asked if "sewer services" will be included as a part of Blue Drop's purpose and business activities under current Article 2.3. (b) and (c) of the Agreement, since DC Water is not an organization that solely focuses on water treatment. General Counsel Brown suggested additional verbiage, which will encompass the entire DC Water universe.

Regarding Article 3.5 (a) (Intellectual Property ("IP") of Blue Drop), Committee Member Motsch asked at what point do DC Water employees who develop IP become employees or contractors of the LLC. Mr. Hawkins stated that DC Water's IP would be licensed to Blue Drop as necessary and if, in the future, Blue Drop developed IP, such IP would be Blue Drop property. With respect to employees developing IP for Blue Drop, Committee Member Bhatt asked if that should be stated in the Operating Agreement. Mr. Heymann responded that such provisions will be expressed in the Shared Services Agreement. Mr. Hawkins agreed and added that the Shared Services Agreement will outline the use and ownership of IP.

The Committee and staff agreed to delete Article 10 (series memberships) because there is no need for issuance of series memberships at this time. The Operating Agreement may be amended in the future if the need arises.

Chairperson Boardman asked Mr. Hawkins to clarify the reference to a Director's resignation based on disability in section 13 of the Blue Drop Bylaws and if that meant a legal disability such as lack of capacity. Mr. Hawkins and General Counsel Brown affirmed that the term meant a legal disability as defined under applicable law.

Committee Member Lake expressed his comfort level with the proposed resolution based on several factors: identification of DC Water as the sole member of Blue Drop; appointment of DC Water's General Manager & CEO as the Chairperson of Blue Drop; and the inclusion of a three-year trial period to determine Blue Drop's viability.

Chairperson Boardman echoed Mr. Lake's comments, and requested to see the final version of the Operating Agreement and Bylaws prior to its presentation to the Board of Directors at the next Board meeting in November 2016. She also requested that all key documents be forwarded to the Board Members well in advance of the November meeting for review and comments. She added that she was excited about the new venture and appreciated the commitment of the Blue Drop Team.

### **Conclusion**

There being no further business Chairperson Boardman adjourned the meeting at approximately 10:25 a.m.



**District of Columbia  
Water and Sewer Authority**

**Board of Directors**

**Environmental Quality and Sewerage  
Services Committee Meeting**

*Thursday, October 20, 2016*

*9:31 a.m.*

**MEETING MINUTES**

**Committee Members**

Bo Menkiti, Vice Chairperson  
Mathew T. Brown  
Howard C. Gibbs  
Elizabeth Feldt  
Rev. Kendrick Curry

**DC Water Staff Present**

Mustaafa Dozier, Esq., Chief of Staff  
Leonard Benson, Chief Engineer  
Linda Manley, Secretary to the Board  
Meena Gowda, Principal Counsel

**I. Call to Order**

Mr. Menkiti called the meeting to order at 9:31 A.M.

**II. AWTP STATUS UPDATES**

**1. BPAWTP Performance**

Mr. Aklile Tesfaye, Assistant General Manager for Wastewater Treatment began the update by reporting the monthly average influent flow for September 2016 was 252 MGD. During this reporting period, excess flow of 4MGD resulted from a single wet-weather incident. Mr. Tesfaye also stated that plant effluent quality was excellent as demonstrated in the discharge levels of total suspended solids (TSS), ammonia, total phosphorous, carbonaceous biochemical oxygen (CBOD), pH, dissolved oxygen (DO) and E. Coli levels, which were all considerably better than the National Pollutant Elimination Discharge System (NPDES) permit limits. Mr. Tesfaye reported that the annual NPDES permit compliance inspection by the Department of Energy and Environment (DOEE) on behalf of the Environmental Protection Agency (EPA) was recently completed on September 14 and 15, 2016. At the conclusion of the inspection, the inspectors expressed their satisfaction with their findings and reported no significant issues.

The Committee inquired as to why there was an upward trend of the measured total Phosphorus annual average. Mr. Tesfaye replied that this slight upward trend was anticipated because of ongoing construction and modifications to the enhanced Nitrogen removal facilities and associated reactors. This requires taking some reactors offline as those modifications are made which in turn, might cause very minute increases in the measured total Phosphorus. However, Phosphorus is still significantly below the permit limits. Mr. Tesfaye also stated that effluent Phosphorus is expected to go down in the coming months as the construction related to the

improvement of these reactors is concluded. The Committee also inquired if the annual total Nitrogen load limits were the only permit limits the Plant is required to comply with or if there were other daily load limits. Mr. Tesfaye replied that Nitrogen limits were measured on an annual average basis but that the Plant also has to comply with monthly and weekly Ammonia limits.

The Committee commented that the 12-month average influent flow as shown in the 'Influent Flow Trend' graph closely mirrors the Plant's ground water elevation and inquired if there is a correlation. Mr. Benson responded that DC Water has conducted studies in the past that indicate groundwater does have an impact on the Plant's influent flow; most likely due to infiltration and inflow (I&I).

Mr. Tesfaye continued the update by stating that the enhanced Nitrogen removal facility is performing well; producing a low total Nitrogen (TN) concentration of 2.78 mg/l. The total weight of Nitrogen discharged in the calendar year through September 2016 is on target to meet the permit limits.

Mr. Tesfaye further stated that the Plant performance was excellent with 100% permit compliance. In September, biosolids production was 508 wet tons per day (wtpd) with all of the production going to land application. The biosolids generated were Class A Biosolids that also met Exceptional Quality standards for pathogen reduction, volatile solids reduction (VSR) and low metals content. The CHP facility generated an average of 176 MWH/day, making up 29% of total energy consumed at Blue Plains (i.e., 612 MWH/day) while the average energy purchased from PEPCO was 436 MWH/day. The Committee inquired as to whether it was DC Water's expectation that the percentage of energy generated by the CHP facility would increase in the future. Mr. Tesfaye responded that the CHP facility is still under commissioning and that DC Water does anticipate its share of power generation to go up when these activities are completed. The target percentage of total energy generated by the CHP facility is 33%.

The Committee further inquired if there was a target date set for the completion of the commissioning activities. Mr. Tesfaye responded that most of the commissioning tests are nearing completion and a more definitive date could be provided in the next month's update. The Committee next inquired if DC Water has conducted an economic study to analyze whether the potential financial benefits of the CHP facility are being realized for the ratepayers. Mr. Tesfaye responded that economic studies have been conducted and that DC Water's Chief Financial Officer (CFO) will be presenting on this and other topics to the jurisdictional customers in early November 2016. These findings can be shared with the Committee in subsequent meetings. The Committee further inquired about whether or not DC Water is paying for the capacity required for storage of its land applied biosolids. Mr. Tesfaye replied that the storage and capacity costs are embedded within the biosolids storage, hauling and transportation contract. The Committee also inquired on the status of the request and response by the Commonwealth of Virginia regarding DC Water's biosolids designation as Class A biosolids. Mr. Tesfaye responded that DC Water had received marketing and distribution permits from the state of Maryland and the District of Columbia but that DC Water is awaiting some clarification regarding some of the language in the permit received from Virginia. It is DC Water's expectation that once the clarification is received, the permitting and approval process will be completed.

Mr. Tesfaye concluded by highlighting that DC Water filled its first order (900 bags) of its biosolids-derived Bloom product to Casey Trees and DC Department of Transportation (DDOT) for tree planting. Mr. Tesfaye noted that although the quantity sold was a small amount, it did provide proof of concept.

### III. ASSET MANAGEMENT PROGRAM UPDATE

Mr. Craig Fricke, Manager, Asset Management, gave an update on DC Water's Asset Management Program (AMP) by providing a brief summary of the previous update given to the Committee on capital program improvements, vertical asset reliability, linear asset management improvements and enterprise level initiatives. Mr. Fricke next gave an overview of the KANEW model being utilized by the AMP. The KANEW model is a long range, strategic planning model developed by the Water Research Foundation (WRF) for identification of renewal needs for water and sewer networks. It uses anticipated life expectancies and age distribution of pipes to develop a system-wide statistical model and calculate annual renewal needs for different pipe cohorts (i.e., logical groupings of pipes based primarily on size and material).

Mr. Fricke next described some of the input parameters used in modeling the sanitary sewer system (pipe inventory by material of construction, installation year (pipe age), and life expectancy). He mentioned that for the sanitary sewer pipe inventory, four (4) different material cohorts were used: namely, vitrified clay pipe (VCP), reinforced concrete pipe (RCP), brick or clay pipe (BR/CP) and other. As outputs, the KANEW model provided miles of pipe segments reaching the end of their life expectancy and the age distribution of the system over time. Most of the sanitary sewers in the DC Water system are between sixty (60) and one hundred eighty (180) years old with a median age of eighty (80) years. The KANEW model output recommended fourteen (14) miles of VCP replacement and smaller replacement amounts for the other pipe materials in the sanitary sewer system. The Committee inquired what percentage 14 miles of VCP amounted to, compared to the entire sewer system. Mr. Fricke responded that DC Water has approximately 1800 miles of sewer comprised of roughly 600 miles in each sewer service area (sanitary, combined and storm), respectively. This translates into a recommended annual replacement target of approximately 2% of the sanitary pipes.

The Committee also inquired as to how the average age of pipes in DC Water's system compares with other utilities. Mr. Fricke responded by stating that DC Water's system age is similar to other older cities located along the east coast of the United States such as Baltimore, Philadelphia, Boston and New York, but is significantly older compared to suburban parts of the DC metropolitan area.

Mr. Fricke next described the linear assets risk assessment tool developed for all linear assets (water and sewer). He mentioned this was a data-driven tool based on a risk framework that analyzes both consequence of failure (COF) and likelihood of failure (LOF). The DC Water COF framework for the water and sewer system included the following five (5) categories:

- Health and Safety – 25% of score
- Public confidence – 15% of score
- System Reliability – 20% of score
- Regulatory compliance and Environmental Impact – 25% of score
- Fiscal Impact – 15% of score

The LOF framework of the water and sewer system, in turn, included the following three (3) categories:

- Physical Condition – 55% of score
- Performance – 35% of score
- Maintenance History – 10% of score



Mr. Fricke also provided pipe-size distribution graphs showing the COF and LOF scores for combined, sanitary, storm and water pipes. The Committee inquired if there was too much emphasis given on pipe size when calculating the risk score. Mr. Fricke replied that although size was an important factor when determining the COF scores, the weight given to that particular category is adjustable over time if such modifications are deemed appropriate. The Committee also inquired whether the 10% weight assigned to 'maintenance history' when calculating LOF is an industry standard. Mr. Fricke responded that the score weights were determined through a series of meetings and workshops between DC Water and AMP consultant subject matter experts and is consistent with what other utilities are using. Mr. Fricke also noted that these weights can be adjusted as needed as more condition and assessment data from pipe inspections is developed and input into the model.

Mr. Fricke summarized some of the observations from the sewer-system risk assessment as follows:

- COF/ risk is heavily influenced by sewer diameter
- The combined system generally has higher risk due to larger size of pipes and deteriorating conditions
- Storm sewers generally have lower risk scores due to less regulatory and environmental impact

Mr. Fricke discussed the AMP's next steps as follows:

- Finalize the AMPs for the water and sewer system by completing development of a system replacement value, a risk tool, conducting more KANEW model runs, comparing calculated risk results with the current DC Water Capital Improvement Program (CIP) and implementing improvement recommendations
- Continue development of the AMP for the Blue Plains Advanced Wastewater Treatment Plant
- Roll up departmental AMPs to create an Enterprise AMP

Mr. Fricke concluded the update by stating that the bulk of consultant led efforts in developing the AMPs is anticipated to wind down in early to mid-2017. Going forward, the planned future state of DC Water's AMP will be as follows:

- Onsite, AMP consultant will be phased out although task level, on-call support will likely still be required
- DC Water staff will continue to deploy asset management practices
- Existing water, sewer and Blue Plains service areas will continue to incorporate the asset management principles currently being developed
- Necessary outside resources and support will be provided via the water, sewer and Blue Plains programs
- Necessary technology will be funded through the Capital Equipment program and provided under the IT governance structure

The Committee applauded DC Water for the progress made thus far and expressed their interest in learning how the model utilized by the AMP will correlate with observed field conditions as time goes on. The Committee also inquired as to when the output from the AMP will start influencing ongoing DC Water activities. Mr. Len Benson, Chief Engineer, replied that DC Water had started conducting comparisons between the model's output and current CIP planning practices and had already implemented some of its recommendations.

#### IV. ACTION ITEMS

##### JOINT USE

1. Contract No. WAS-12-033-AA-RE, Centerra Integrated Services, LLC
2. Contract No. WAS-12-035-AA-RE, Centerra Integrated Services, LLC
3. Contract No. DCFA #481, Greeley and Hansen/ O'Brien & Gere, JV
4. Contract No. 150200, SAK Construction, LLC

Mr. John Bosley, Chief Procurement Officer, DC Water presented action items 1 and 2. Mr. Len Benson, Chief Engineer, DC Water presented Action Items 3 and 4.

**Action Item 1:** Request to execute a fleet vehicle maintenance services contract to manage the preventive/predictive maintenance, repair, towing, emergency services and other fleet operations as required by the Department of Fleet Management.

The Committee inquired if there was MBE/WBE participation in this contract. Mr. Bosley responded that the contract was a Certified Business Enterprise (CBE) preferred participation contract. The Committee recommended to have the CBE designation stated in the text of the fact sheet. Mr. Bosley responded that the modifications will be made. The Committee also inquired whether the prime contractor had local offices in the District. Mr. Bosley responded in the affirmative.

**Action Item 2:** Request to execute contract to manage automotive parts supply functions as required by the Department of Fleet Management.

The Committee inquired as to why there was a marked increase in the value of the modification amount for option year 3. Mr. Bosley responded that there was an increase in supplies in anticipation of the relocation of the headquarters of the Department of Fleet during that time period.

**Action Item 3:** Request to execute an architectural and engineering services contract to retain the services of qualified consultants that will provide project delivery services for the implementation of Capital Improvement Program (CIP) projects in the sanitary sewer, combined and storm water service areas. The consultants will provide DC Water with services including engineering design, engineering services during construction, environmental studies, program management and other specialized services at the discretion of DC Water.

The Committee inquired as to why there was no MBE or WBE designation for three of the companies listed as subcontractors. Mr. Benson replied that those companies are neither MBE nor WBE and that they do not count towards fulfilling the percentage requirements. The Committee also inquired if the contract duration was five years. Mr. Benson responded that supplemental agreements are expected and that phases 2 and 3 of this contract, consisting of one year each, will be awarded at DC Water's sole discretion pending acceptable performance and evaluations. Next, the Committee asked whether DC Water had considered obtaining categorical exclusions for fulfillment of National Environmental Policy Act (NEPA) regulations when conducting environmental studies and projects and suggested that the EPA might be of assistance in this matter. Mr. Benson replied that DC Water has, on multiple occasions, tried to obtain categorical exclusions for such projects but with limited success.

**Action Item 4:** Request to execute a construction contract to rehabilitate approximately 9100 LF

of defective sanitary sewer pipes and manholes along the Watts Branch Creek.

Mr. Benson informed the Committee that the lowest bidder for this contract was deemed non-responsive as they did not submit the required documentation demonstrating their compliance with the EPA's MBE/WBE affirmative action steps. As a result, the second bidder, SAK Construction LLC was selected as the lowest bidder and winner of the contract. Mr. Benson mentioned the winner of the contract, SAK Construction, was not able to fully meet the MBE/WBE numerical goals but according to DC Water's internal analysis, had demonstrated sufficient efforts in full compliance with the above stated EPA 'good faith' efforts. Mr. Benson shared with the Committee the results of this analysis that showed SAK Construction had subcontracted nearly all potential work to its MBE/WBE subcontractors that did not require specialized skill or labor as was the expectation from DC Water.

The Committee recommended the Joint Use action items to the full Board.

**NON JOINT USE**

None.

**V. OTHER BUSINESS/EMERGING ISSUES**

None.

**VI. ADJOURNMENT**

Meeting adjourned at 10:52 a.m.

**Follow-up Items**

1. Chief Procurement Officer, DC Water: Make modifications to Action Items 1 and 2 fact sheets and show clearly the CBE market preference designations.
2. Assistant General Manager, Wastewater Treatment: Provide schedule for completion of acceptance tests for CHP. This will be provided at the next Committee meeting.



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY**

**BOARD OF DIRECTORS  
WATER QUALITY AND WATER SERVICES COMMITTEE**

**MEETING MINUTES  
THURSDAY, OCTOBER 20, 2016**

**Present Board Members**

Rachna Butani Bhatt (via phone)  
Matthew Brown, Board Chairman  
Howard Gibbs  
Obiora “Bo” Menkiti  
Rev. Kendrick Curry

**Present D.C. Water Staff**

Mustaafa Dozier, Chief of Staff  
Henderson Brown, General Counsel  
Linda Manley, Secretary to the Board

**I. Call to Order**

Chairman Brown called the meeting to order. Committee Chair Rachna Butani was delayed.

**II. Water Quality Monitoring**

**A. Total Coliform Testing (TCR)**

Jason Hughes, Director of Utility Services - Water, stated that the coliform testing was at 0.4 for September which is below the regulatory level. This shows that water distribution and water treatment are in very good shape.

**B. Lead and Copper Rule Monitoring**

Mr. Hughes reported that 59 lead and copper rule samples have been collected for this monitoring period. They were at 2.8 parts per million, well below the action level.

They recently submitted to the Environmental Protection Agency the annual service line material information under a voluntary agreement. Mr. Hughes stated that under the agreement they report the number of lead service lines and unknown services lines. They also highlighted the interactive map which is now on line and how that data is used to help update and calibrate D.C. Water’s records.

### **III. Fire Hydrant Upgrade Program**

David Wall, Manager of Water Distribution, reported that there was a slight decrease in out-of-service fire hydrants from 40 last month to 36 this month. Those that were inaccessible due to the need for repair or replacement and those impacted by temporary construction are less for October at .38 percent, with a 1 percent targeted ceiling. They continue to monitor the hydrants out of service over 120 days.

### **IV. Non-Joint Use Action Item**

Jason Hughes reported that they are requesting approval of a goods and services contract award to Smart Grid Solutions for installation of D.C. Water supplied meters and meter transmission units (MTUs) in the amount of \$7,000,000. The contract period is two years, zero option years, with an anticipated start date of November 10, 2016 and completion date on or about November 11, 2018. There were three proposals received. Mr. Hughes indicated that one failed to provide important and relevant information and documentation, and was ruled non-responsive. Mr. Gibbs wanted to know what documentation was missing. John Bosley, Director of Procurement, reported that it was non-responsive items such as financial information and critical information that was mentioned in the Request for Proposal. They were deemed to be non-responsive and the bid was rejected. Mr. Gibbs asked for more specifics. Mr. Bosley stated that the information missing involved information on what they have done in the past to qualify them for this project. Firms are not given an opportunity to submit additional information once they have been deemed to be non-responsive and disqualified.

Mr. Menkiti raised a question concerning why they went to a bidder in Herndon, Virginia, when a more local bidder had offered \$6,000,000 for labor. This seemed like a good opportunity to support local businesses. Mr. Bosley stated that there were three bidders and none were local. Since the contract was for goods and services, it did not require minority or disadvantaged entrepreneurs.

Mr. Gibbs wanted to know whether or not specialized abilities were required to perform the contract. It was reported that they needed to have done this type of work before. Tom K stated that there were two components to the contract, the installation of the meters and the installation of the meter transmission units which is the meter reading component. The contractor will be required to program the units to communicate back to the system. He stated that it is not just mechanical requirements of installing meters.

Chairman Brown asked for additional questions or comments, and there were none. The Committee agreed to refer the contract to the full Board for approval.

Chairman Brown then asked for a motion to go into Executive Session to discuss the issue of the Water System Replacement Fee. He reported that the Fee generates \$40 million for the water infrastructure which is very old. A policy change to the Fee was made when it was adopted to exempt the meter size for home fire sprinkler systems. The Board decided that this was a policy that they needed to address. As the Chairman reported in September, a number of residents have come to public meetings and raised another issue concerning the Fee. Chairman Brown reminded them that in September he indicated that he thought the role of the Board was to handle policy issues and not be the last resort for bill payers. He stated that he thinks it is also important for those who have customer service issues to clearly understand D.C. Water's process and rationale for D.C. Water making decisions.

Biju George, Chief Operating Officer, was asked by Chairman Brown to present the rationale or path forward for addressing this issue in Executive Session. Mr. George stated that this is about 2800 Battery Place, N.W., which is privately owned and connected to the water system by a 6-inch water meter. They were asking the full Board to consider their proposed action.

Chairman Brown asked for a motion to move into Executive Session to discuss legal, confidential, and privileged matters pursuant to Section 2-575(b)(4) of the D.C. Official Code. It was so moved and seconded. A roll call vote was conducted and the motion was approved unanimously. The Committee went into Executive Session and then returned to public session.

There being no further business, Chairman Brown adjourned the Committee meeting.



**CEO and GENERAL MANAGER'S REPORT**

George S. Hawkins – November 2016

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**Interpretation of Charts** ..... A

**Color Key**

<b>Red</b>	<b>Did not meet Target</b>
<b>Yellow</b>	<b>Missed Target but within acceptable range</b>
<b>Green</b>	<b>Met/Exceeded Target</b>
<b>Gray</b>	<b>Budget/Target Value</b>
<b>&lt;transparent&gt;</b>	<b>Green/Yellow/Red based on comparison</b>



## Message from the CEO/GM

My greetings to the Board on the eve of winter. Temperatures are starting to cool, we are starting to plan for water main break season, and DC Water continues to march forward.

### **Blue Drop and Asset Management**

During this month's Board meeting, a resolution will be on the consent agenda for the Board to authorize DC Water to form a non-profit affiliate – Blue Drop LLC. We have been developing this idea for several years on staff with the principal goal of generating new revenue sources. Despite our excellence at communicating with our ratepayers about the value and importance of the investments we need to make in water infrastructure, I still worry almost by the day that we will not be able to generate the revenue we need for the future.

Every year when we construct our Capital Program, our toughest conversations are not what we are going to fund - but what we are not. Most recently, as we reported as part of our Asset Management program to the Environmental Quality and Sewerage Services Committee – we are greatly concerned about investments in our sewer systems. We have built Blue Plains to be state-of-the-art, we have a permanent funding source to improve water distribution, and the challenge that still remains is also perhaps the most difficult: sewers. They are bigger than water mains, deeper than water mains, and older than water mains. Plus, when they break, the problem is less obvious. Clearly, though, we need to focus more effort on this critical part of the system. Yet how can we do that? Are we going to be able generate more revenue from ratepayers already investing in the Clean Rivers Program, Blue Plains and all the rest?

Part of the answer is to seek to help our colleagues in the water industry in a way that serves both our ratepayers and theirs. If our ratepayers, wholesale and retail, have invested in DC Water to enable us to develop world class skills – can we offer that expertise to other utilities that may not have the capability to develop similar skills for themselves. At much less than the cost of what it would take to re-invent what we have already created, yet at a cost that makes it worthwhile for DC Water (covering our costs plus some net revenue) – we can potentially generate new revenue while also improving the state of the water industry. Clearly, the trick will be to make sure our experts focus on their core work first and foremost—which is to deliver excellent service to our customers here in the region. Yet our goal is to find the slivers of time that can be shared with others, hoping to ultimately generate enough revenue to be able to hire additional personnel to help.

Blue Drop and Asset Management are then joined in some respects at the hip! We will spend our existing funds more wisely. We will be more pro-active to help reduce the costs associated with a reactive maintenance program by being proactive and preventative. Yet we will also market what we have learned to other agencies – helping them improve their services to their customers, while generating revenue to pay back our own ratepayers for their investment in us.

I want to thank the many folks who have helped us get to this point on Blue Drop – particularly Alan Heymann, Gloria Cadavid, Henderson Brown and Jennifer Harper. And I want to offer my special thanks to Board Member Ellen Boardman, who went above and beyond the call of duty to make sure this initial step is done as well as can be. I look forward to reporting more on Blue Drop in future meetings.

## Message from the CEO/GM

### **DC – Copenhagen Partnership**

DC Water entered into a Memorandum of Cooperation with the District of Columbia Department of Energy and Environment (DOEE) and The City of Copenhagen, Technical and Environmental Administration to “establish and implement a mutually beneficial cooperative relationship between the Participants by developing innovative, sustainable, and resilient municipal solutions to address climate challenges.” We look forward to engaging in this ongoing, robust exchange of information and best practices regarding the development and management of urban solutions which will help to address future climate change challenges. We are particularly excited to learn from the Danish about district heating systems, and will be bringing in experts from Copenhagen to conduct a workshop for DC Water to begin to learn more from their centuries of experience.

The four fields of cooperation include:

- Heavy downpour/cloudburst management
- District heating
- Sustainable energy generation, distribution and efficiency projects
- Regulatory frameworks to address climate change challenges

Within these four fields, examples of cooperation areas include:

1. "Climate Neighborhoods," which establishes neighborhood-level pilot projects or project areas including integrated urban water management and green infrastructure;
2. Development and implementation of distributed energy solutions in selected neighborhood(s);
3. Studies regarding optimizing biogas-production from organic waste; and
4. Analysis and recommendations regarding regulatory guidelines to optimize energy consumption, planning for climate change etc.

### **2016 C40 Cities Awards and Cities100 Finalist**

The C40 Cities Awards, sponsored by Bloomberg Philanthropies and BYD, globally recognizes cities for their leadership on climate action and showcases the innovative policies and programmes that cities have implemented to tackle climate change. The 2016 C40 Cities Awards will once again aim to share highly replicable ‘best practices’ across cities and draw attention to outstanding performances that have achieved a high level of environmental success in a challenging context. The winners will be announced on December 1, 2016, at a ceremony in Mexico City, held alongside the sixth biennial C40 Mayors Summit.

C40 received 160 high-quality applications from 75 cities, showcasing a range of important, innovative policies and programmes that reduce greenhouse gas emissions and improve resiliency to climate change – and the Awards Selection Committee selected DC Water’s ‘Walter F. Bailey Bioenergy Facility’ project in the Clean Energy category as a Finalist. This is an enormous honor, and as you can see below DC Water has been included as a finalist with some of the most innovative projects in the world.

- Vancouver - Vancouver Neighbourhood Energy Strategy (Olympic Village)
- Yokohama - Yokohama Smart City Project
- Washington, DC - Walter F. Bailey Bioenergy Facility
- Johannesburg - Joburg BioGas to Energy Programme

## Message from the CEO/GM

In addition, the 'Walter F. Bailey Bioenergy Facility' project in the Clean Energy category has been selected to be showcased in the Cities100 – a joint publication between C40 and Sustainia – giving DC Water exposure beyond the water & wastewater industry as a world-class innovative utility.

### External Affairs

*Website:* Session totals for the period of September 16 through October 15, 2015  
Total Sessions: 80,037  
New Sessions: 44,180

### Government Relations

The DC Council held a hearing on the “Nonwoven Disposable Products Act of 2016” on October 24th. As introduced, this bill would prohibit the advertisement, packaging, or labeling of any nonwoven disposable product as flushable, sewer safe, or septic safe unless the claim is substantiated by competent and reliable scientific evidence. DC Water General Manager George Hawkins testified in support of this legislation, along with a representative from the National Association of Clean Water Agencies (NACWA).

### Press Releases

- 9/29: DC Water, Goldman Sachs and Calvert Foundation pioneer environmental impact bond
- 9/26: Anacostia River Tunnel Construction Brings Closure to I-295 Southbound On-ramp

### Media Coverage:

A sampling of some of the most noteworthy Authority-related news clips during the month:

- [DC Water Is Now Offering Rebates For Flood-Prone Homes In Bloomingdale, LeDroit](#)  
(DCist / September 16, 2016)
- [After Body Found In Reservoir, DC Officials Take Steps To Continue Service](#)  
(Water Online / September 19, 2016)
- [How Can Water Systems Pay for Aging Infrastructure?](#)  
(Efficient Gov / September 19, 2016)
- [DC Water Closes Historic Deal](#)  
(Bond Buyer / September 29, 2016)
- [DC Water Floats Nation's First Environmental Impact Bond](#)  
(Bloomberg BNA / September 29, 2016)
- [Goldman Sachs invests in cleaner DC water](#)  
(WTOP / October 3, 2016)
- [This water utility is mapping lead service lines – and is asking property owners to fill in data gaps](#)  
(Environmental Defense Fund / October 6, 2016)

### Meetings/Presentations/Events

- Northeast Boundary Tunnel Project – Block Meeting No. 2
- The purpose of this meeting is to explain to community members the specific construction activities/impacts that will occur during future construction of the Tunnel.
- H Street Festival

## Message from the CEO/GM

- Fiesta DC Festival
- Central NorthEast Civic Association Monthly Membership Meeting
- DC Water staff provided general discussion on numerous DC Water-related topics.
- George Washington University Safety and Preparedness Expo 2016
- Northeast Boundary Tunnel Project – Block Meeting No. 3
- Northeast Boundary Tunnel Project – Block Meeting No. 4
- Barracks Row Main Street Fall Festival & Truck Touch
- Rhode Island Avenue Main Street Fall Fest
- Walk/Bike to School Day Event
- ANC 8C Monthly Meeting
- DC Water provided a detailed presentation on its Saint Elizabeth's Water Tower Project.
- Northeast Boundary Tunnel Project – Block Meeting No. 5
- Northeast Boundary Tunnel Project – Block Meeting No. 7
- Northeast Boundary Tunnel Project – Block Meeting No. 6

### *Drinking Water Marketing and Communications*

- External Affairs presented at ANC 2D's monthly meeting about lead in drinking water and minimizing lead exposure on 9/19.
- External Affairs presented at ANC 3/4G's monthly meeting about lead in drinking water and minimizing lead exposure on 9/26.
- External Affairs presented at ANC 8E's monthly meeting about lead in drinking water and minimizing lead exposure on 10/3.
- External Affairs participated in the monthly Community Engagement Campaign meeting with MWCOG and regional utilities to finalize content for fall/winter movie theaters ads promoting proper disposal of FOG, wipes and medications.
- External Affairs continues to participate with the interdepartmental lead strategy group to consolidate DC Water's lead information and strategize about lead service line removals.

### *Customer Newsletter*

The October customer newsletter was the four-page Clean Rivers Project News, the semi-annual update. The cover story detailed the wrapping up of the First Street Tunnel Project. Inside were stories on Nannie nearing completion of her tunnel, the upcoming green infrastructure project in the Rock Creek sewershed and the current work to relocate utilities in advance of the Northeast Boundary Tunnel project work to come.

### *Tours*

- 20 DCHR Fellows
- 15 members of the Accenture DC Metro ECO Team
- 15 sustainability directors from The Tower Companies
- 10 engineers from DC Infrastructure Observatory
- 4 representatives from GE Corporate
- 20 members from EPA Climate Change
- 15 members of the Federal Water Quality Association

## Message from the CEO/GM

### *Awards Submissions*

- George Hawkins awarded Public Officials Award by WEF at WEFTEC.
- DC Water won the AMWA Sustainable Water Utility Management Award.
- OEA spearheaded entry to EPA'S Climate Leadership awards, Individual category, for George Hawkins, September 29.

### *Social Media*

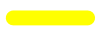





<b>Twitter</b>	9/16 – 10/16	Fiscal Year to date total 9/15 – 10/16
New Followers	244	3,627
Total Followers	13,788	13,788
Mentions	746	7,421
Retweets	248	3,277
Likes	529	6,386
<b>Facebook</b>		
New Fans	49	
Total Fans	2,334	2,334
Impressions	23,255	665,442
Users	12,036	321,006
Engagements	85	4,677
<b>Instagram</b>		
New Followers	40	426
Followers	842	842
Likes	223	3,325
Comments	12	140
<b>Snapchat</b>		
Custom Filter Use	59	3,656
Filter Views	634	181,338
Story Views	N/A	N/A

## ORGANIZATIONAL PERFORMANCE DASHBOARD (SEPTEMBER, 2016)

### Financial Highlights

<b>Net Operating Cash</b> Actual <b>124411</b> Target <b>74952</b> (\$ tho)	<b>Operating Revenues</b> Actual <b>589</b> Target <b>581</b> (\$ mil)	<b>Operating Expenses</b> Actual <b>492</b> Target <b>541</b> (\$ mil)	<b>Capital Disbursements</b> Actual <b>557</b> Target <b>549</b> (\$ mil)
<b>Operating Cash Balance</b> Actual <b>158</b> Target <b>126</b> (\$ mil)	<b>Delinquent Account Receivables</b> Actual <b>2</b> Target <b>3</b> (%)	<b>Core Investments Yield</b> Actual <b>1.16</b> Target <b>0.78</b> (%)	<b>Short Term Investment Yield</b> Actual <b>0.74</b> Target <b>0.17</b> (%)

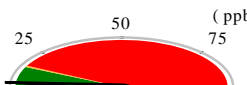
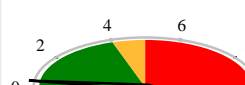
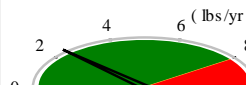
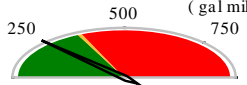
### Customer Care and Operations Highlights

<b>Call Center Performance</b>  Sep <b>83</b> 85 (% of calls rec)	<b>Command Center Performance</b>  Sep <b>94</b> 85 (% of calls rec)	<b>First Call Resolution</b>  Sep <b>85</b> 75 (% of calls rec)	<b>Emergency Response Time</b>  Sep <b>95</b> 90 (% of calls rec)
<b>Fire Hydrants out of Service</b>  Sep <b>36</b> 96 (count)	<b>Fire Hydrant Insp. and Maint.</b> <b>1032</b> (count)	<b>Fire Hydrants Replaced</b>  Sep <b>114</b> 250 (YTD count)	<b>Permit Processing within SLA</b> <b>82</b> (%)

### Low Income Assistance Program

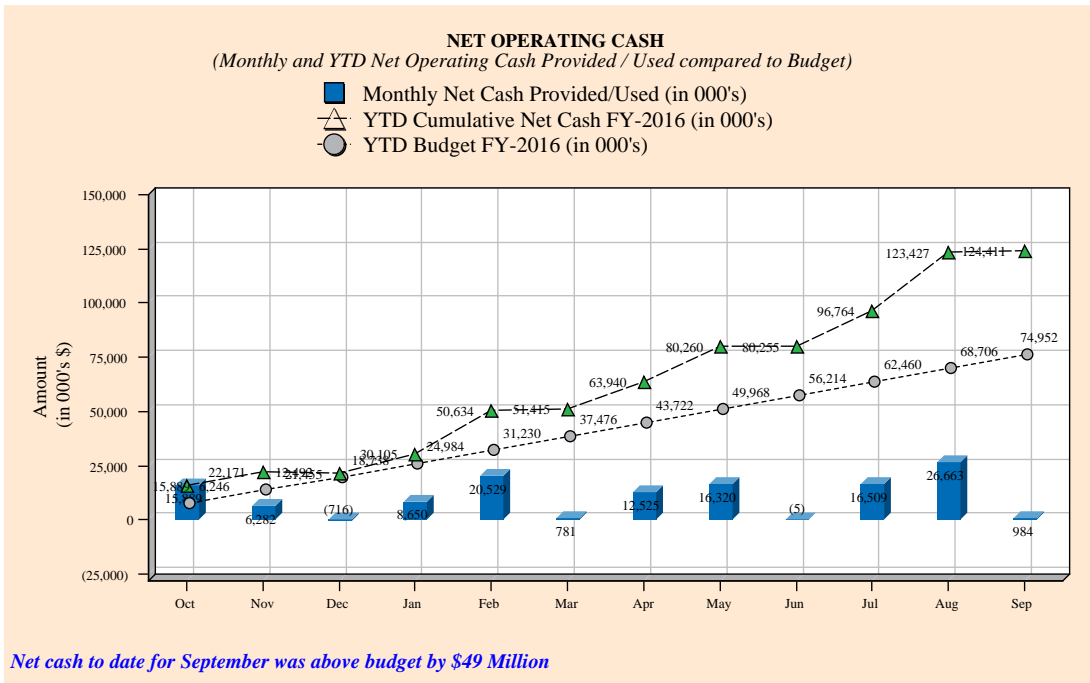
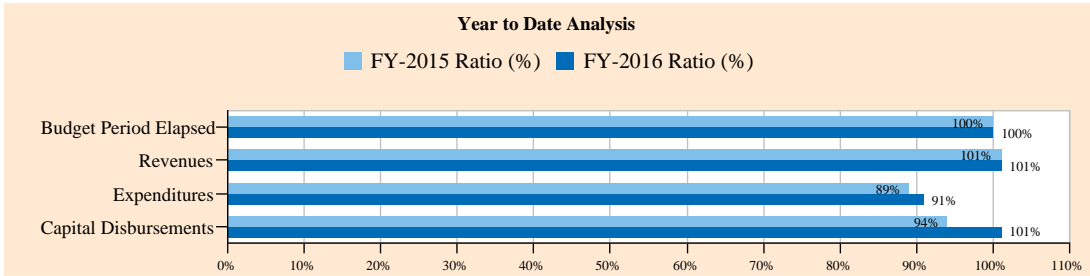
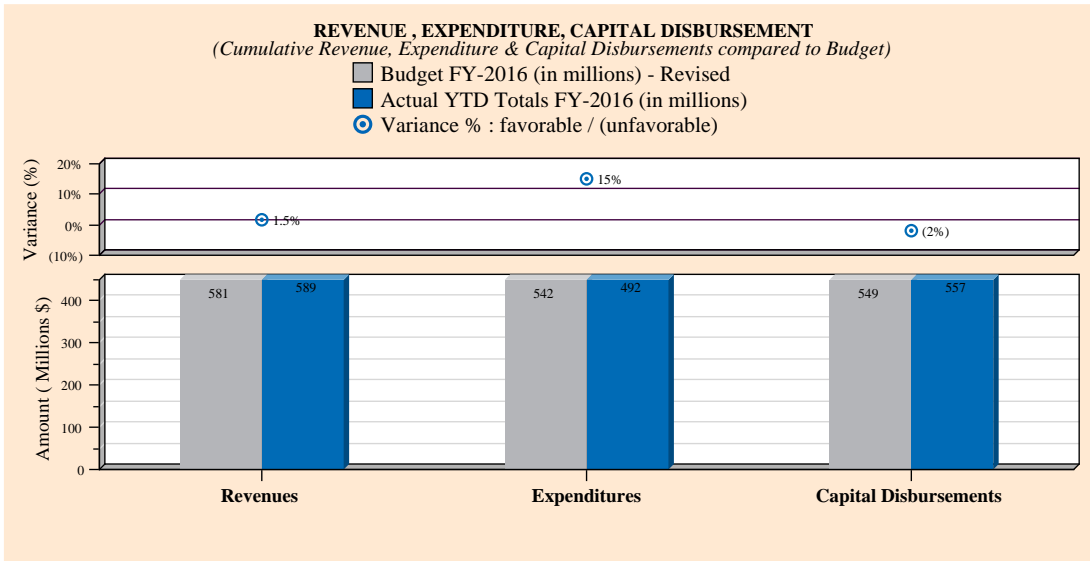
<b>Splash Contributions</b> Actual <b>101</b> Target <b>80</b> (\$ tho)	<b>Customer Assistance Program</b> Previous <b>115</b> Current <b>99</b> (\$ tho)
----------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------

### Operational Highlights

<b>Lead Concentration</b>  50 (ppb)	<b>Total Coliform Rule</b>  4 (%)	<b>Biosolids Production</b> <b>420</b> (wet tons)	<b>Total Nitrogen</b>  4 (lbs/yr mil)
<b>Plant Effluent Flow</b>  250 (gal mil)	<b>Excess Flow</b> <b>4</b> (gal mil)	<b>Water Main Leaks</b> <b>24</b> (count)	<b>Water Valve Leaks</b> <b>2</b> (count)
<b>Non-Revenue Water</b> Sold <b>10</b> Purchased <b>14</b> (CCF mil)	<b>Sewer Main Backups</b> <b>5</b> (count)	<b>Sewer Lateral Backups</b> <b>220</b> (count)	<b>Dry Weather CSO</b> <b>1</b> (events)
<b>Recruitment Activity</b> Filled <b>6</b> Open <b>117</b> (count)	<b>Electricity Usage</b> <b>17222</b> (MWh)	<b>Employee Lost Time Accidents</b> <b>9</b> (count)	<b>Vendor Payments</b> Actual <b>98</b> Target <b>97</b> (%)

**FINANCIAL HIGHLIGHTS**

**FINANCIAL PERFORMANCE SUMMARY**



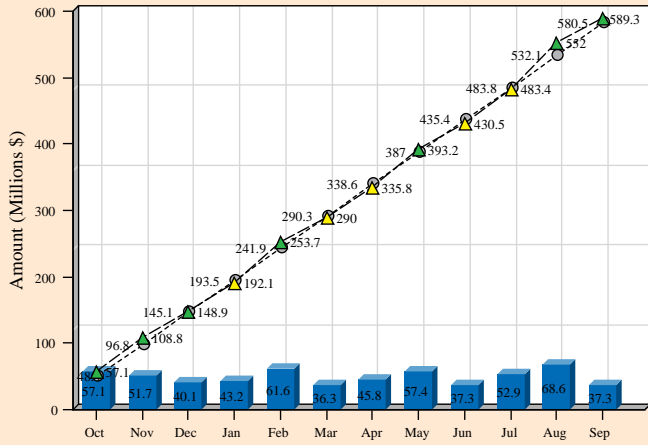
**FINANCIAL HIGHLIGHTS**

**REVENUES AND OPERATING EXPENSES**

**OPERATING REVENUES**

Monthly & Cumulative Revenue compared to YTD Budget

- Actual Monthly Revenue
- ▲ YTD Cumulative Revenue FY-2016
- YTD Cumulative Budget FY-2016

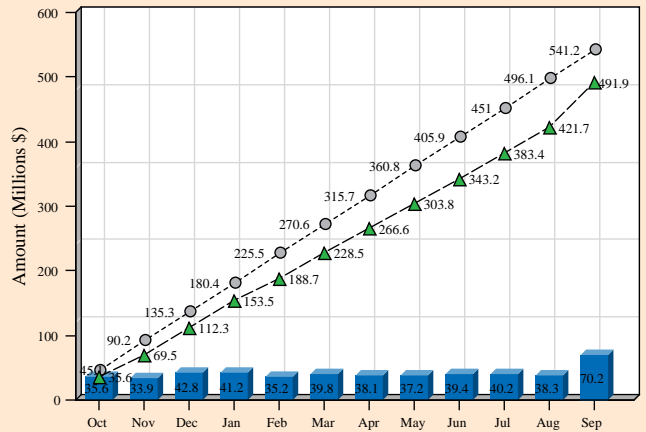


Revenue to date for September was above Budget by \$9 Million

**OPERATING EXPENSES**

Monthly & Cumulative Expenditure compared to YTD Budget

- Actual Monthly Expenses
- ▲ YTD Cumulative Expenditure FY-2016
- YTD Cumulative Budget FY-2016



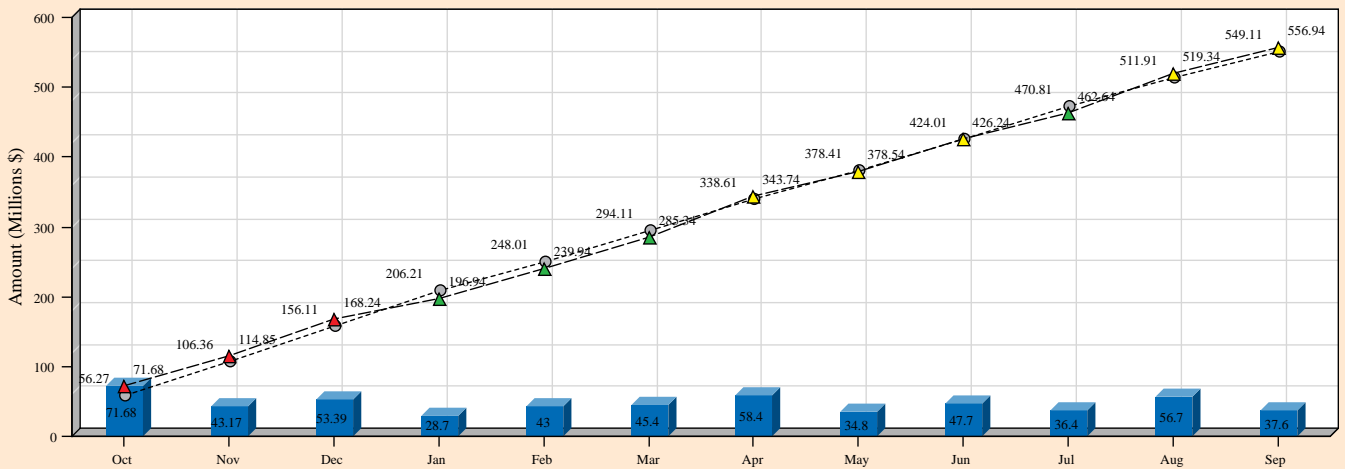
Expenditure to date for September was below budget by \$49 Million

**CAPITAL SPENDING**

**CAPITAL DISBURSEMENTS**

Monthly & Cumulative Disbursements compared to YTD Budget

- Actual Monthly Disbursements
- ▲ YTD Cumulative Disbursements FY-2016
- YTD Cumulative Budget FY-2016



Disbursements to date for September were above budget by \$8 Million



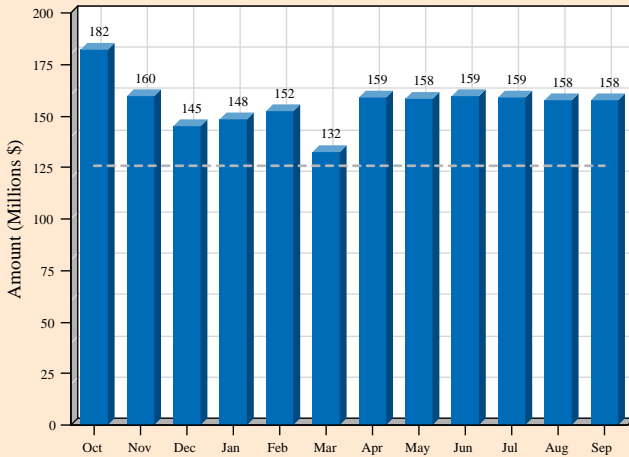
**FINANCIAL HIGHLIGHTS**

**OPERATING CASH AND RECEIVABLES**

**OPERATING CASH BALANCE**

Average Daily Cash Balance compared to Operating Reserve Target

- Actual Cash Balance FY-2016
- Operating Reserve Target - (126 Million)

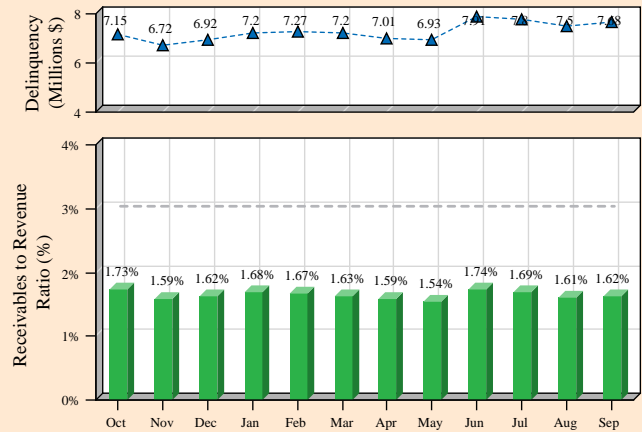


Cash Balance for September was above target by \$32 million

**DELINQUENT ACCOUNT RECEIVABLES**

Delinquency & Receivables to Revenue Ratio compared to Target

- Receivables to Revenue Ratio
- ▲ Delinquencies FY-2016 (in millions)
- Target: Receivables to Revenue Ratio (3%)



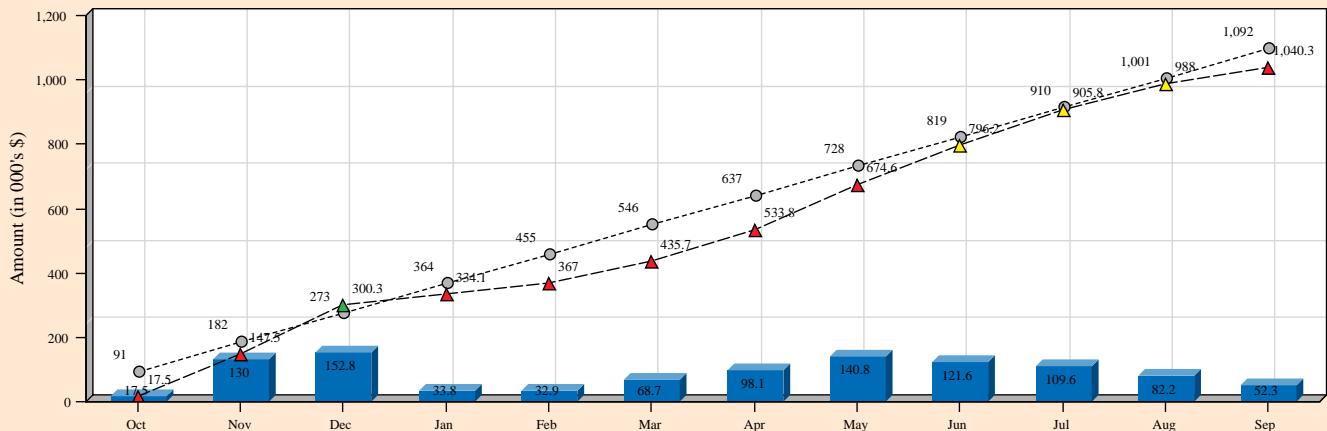
September Receivables to Revenue Ratio 1.6%, Delinquency \$7.7 Million

**INVESTMENT EARNINGS**

**INVESTMENT CASH EARNINGS**

Monthly & Cumulative Earnings compared to YTD Budget

- Monthly Earnings (in 000's)
- ▲ YTD Cumulative Earnings FY-2016 (in 000's)
- YTD Cumulative Earnings Budget FY-2016 (in 000's)



Earnings to date for September were below Projected Budget by \$52,000

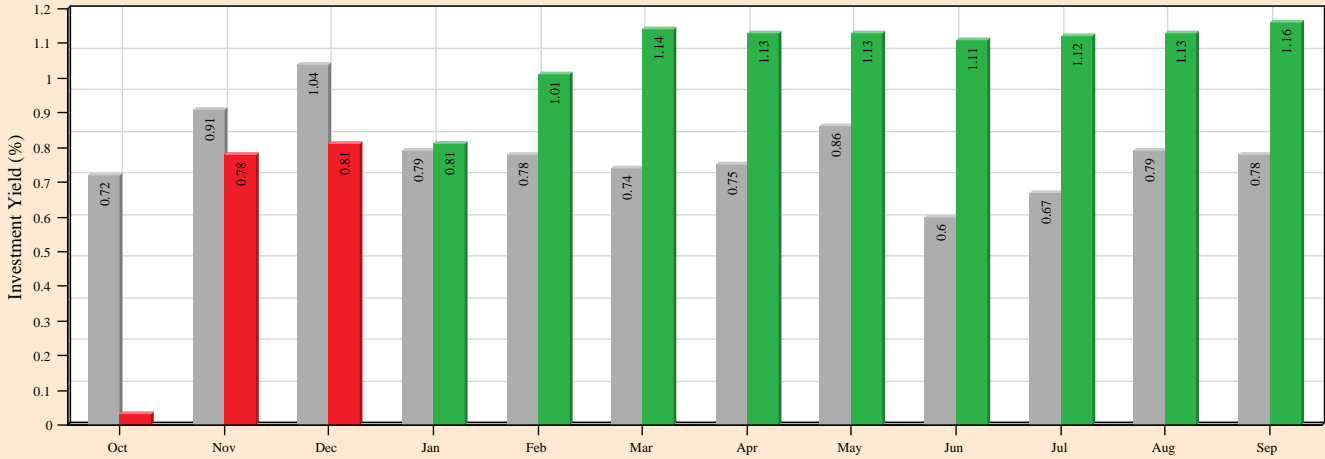
**FINANCIAL HIGHLIGHTS**

**INVESTMENT YIELD**

**CORE INVESTMENTS YIELD**

Monthly Yield compared to Merrill Lynch Benchmark

- Actual Monthly Yield (%)
- Merrill Lynch 1-3 Year Treasury Index - Book Value (%)

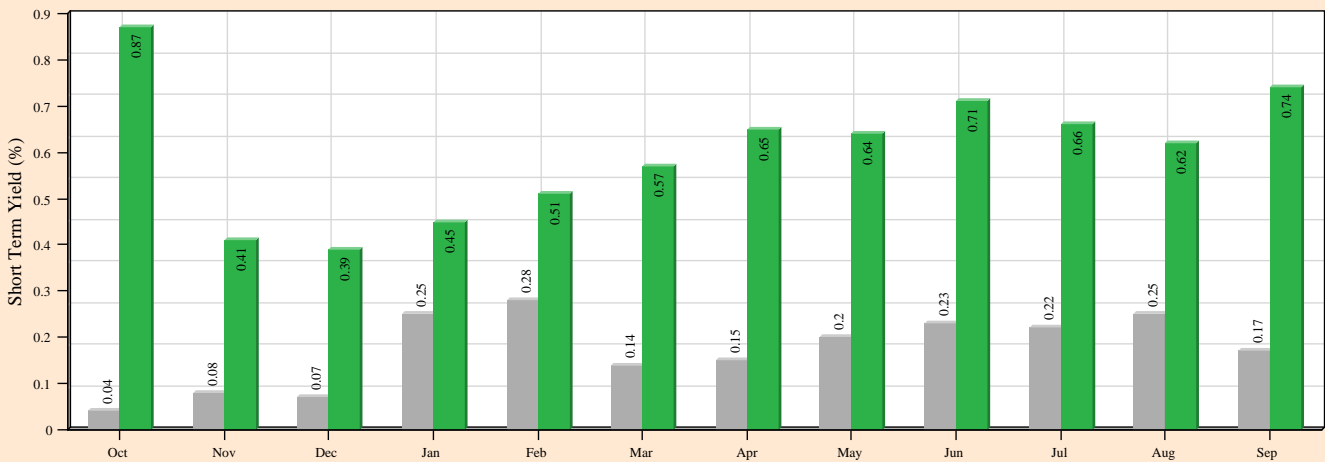


*Yield for September was higher than the treasury index by 0.38%*

**SHORT TERM INVESTMENT YIELD**

Short Term Yield compared to Merrill Lynch Benchmark

- Actual Monthly Yield (%)
- Merrill Lynch 3-Month Treasury Index - Book Value (%)



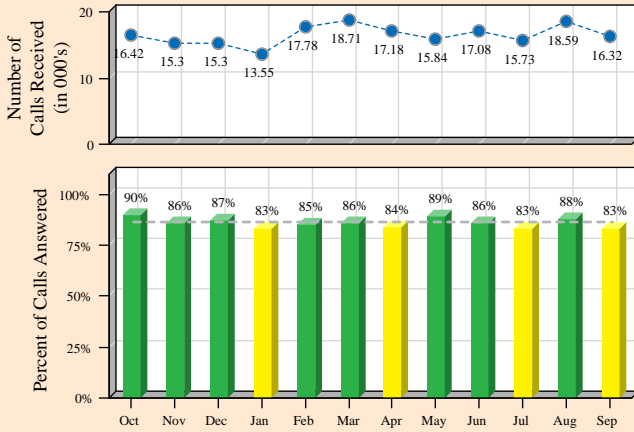
*Short Term Yield for September was higher than the Merill Lynch yield by 0.57%*

**CUSTOMER CARE AND OPERATIONS HIGHLIGHTS**

**CUSTOMER SERVICE**

**CALL CENTER PERFORMANCE**  
Calls Answered within 40 Seconds compared to Target

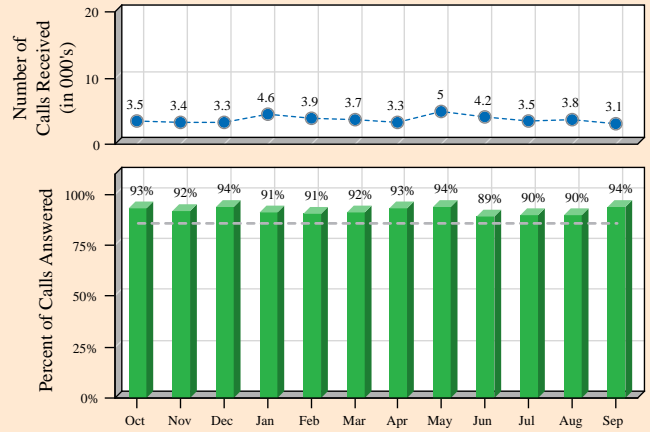
- Call Center: Calls answered (%)
- No of Calls - Call Center (in 000's)
- Target -Call Center (85%)



Performance for September was below target by 2%

**COMMAND CENTER PERFORMANCE**  
Calls Answered within 40 Seconds compared to Target

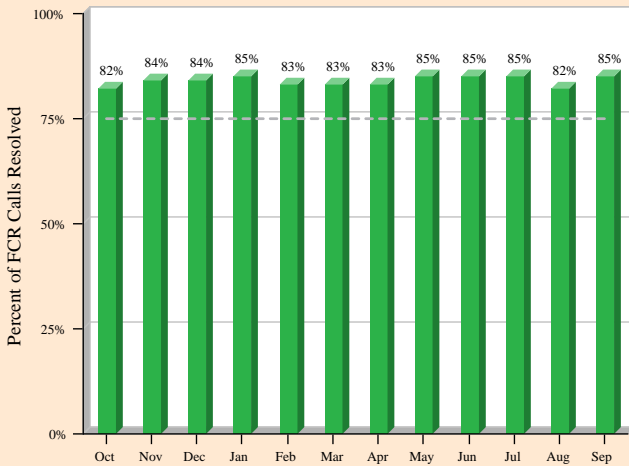
- Command Center: Calls answered (%)
- No of Calls - Command Center (in 000's)
- Target -Command Center (85%)



Performance for September was above target by 9%

**FIRST CALL RESOLUTION (FCR)**  
Calls resolved on first contact compared to Target

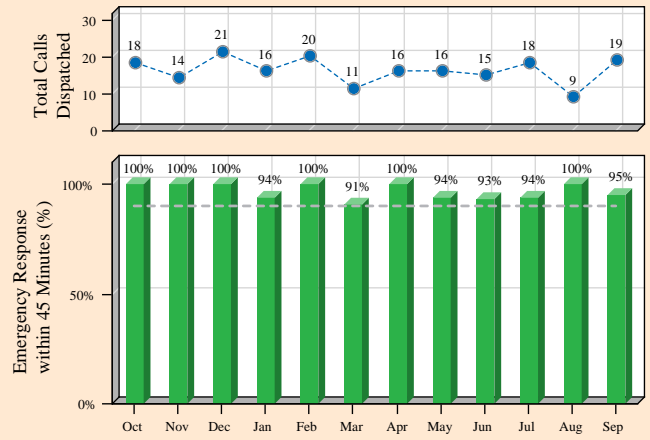
- FCR (%)
- FCR Target (75%)



Performance for September was above target by 10%

**EMERGENCY RESPONSE TIME**  
Calls responded to within 45 Minutes compared to Target

- Response (%) within Target
- Total Emergency Calls Dispatched
- Response Target (90%)



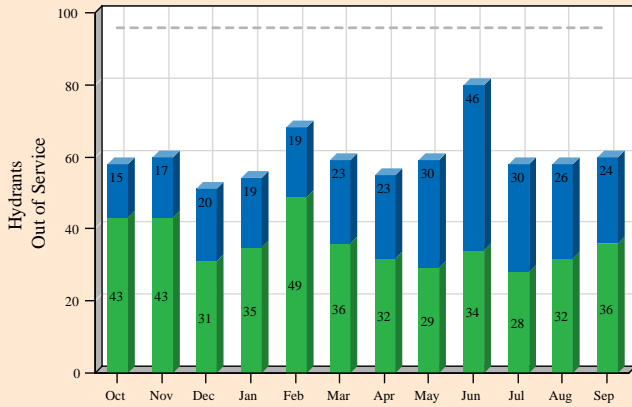
Performance for September was above target by 5%

**CUSTOMER CARE AND OPERATIONS HIGHLIGHTS**

**FIRE HYDRANTS**

**FIRE HYDRANTS OUT OF SERVICE (OOS)**  
Total Hydrants Out of Service against Target

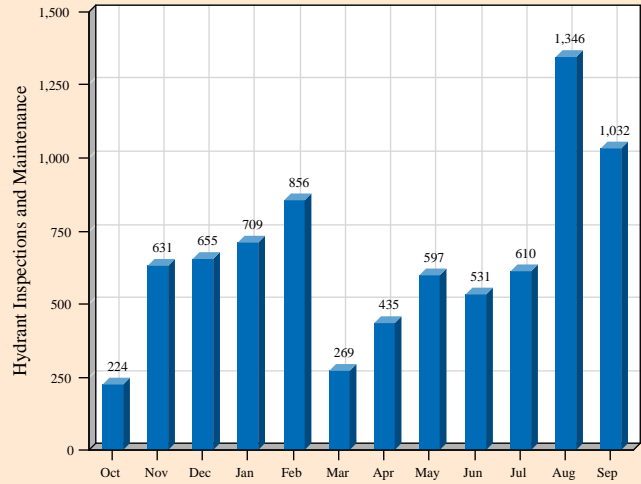
- Out of Service Fire Hydrants (Defective OOS Hydrants)
- In-Operational - OOS Due to Inaccessibility or Temporary Work
- Out of Service Hydrants Target (96)



**Fire Hydrant Inspections and Maintenance**

Total Hydrant Inspection and Maintenance Work Orders Completed per Month

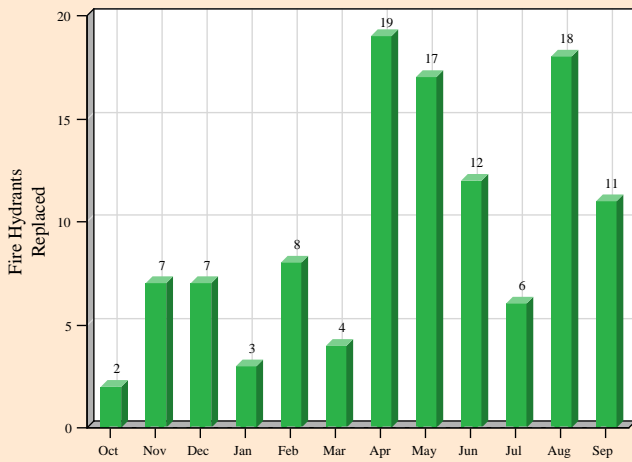
- Hydrant Inspections and Maintenance



**FIRE HYDRANT REPLACEMENTS**

Total Hydrants Replaced per Month

- Hydrants Replaced
- Annual Replacement Target (250)

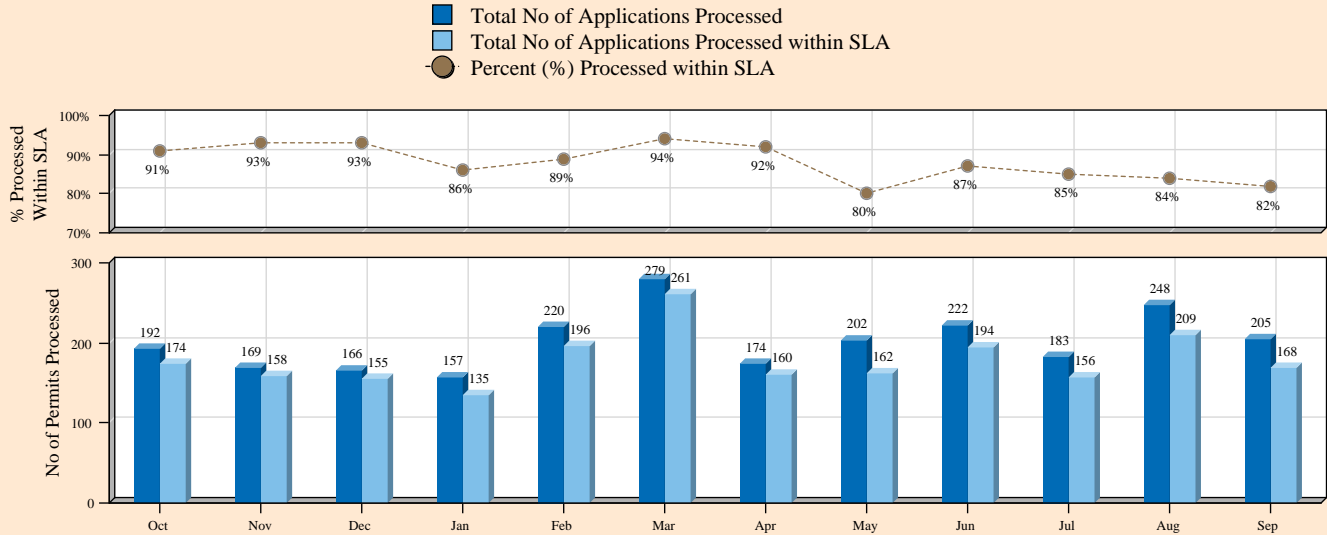


Total replacements as of September were 114 against annual projections of 250

**CUSTOMER CARE AND OPERATIONS HIGHLIGHTS**

**PERMIT PROCESSING**

**TOTAL APPLICATIONS PROCESSED WITHIN SERVICE LEVEL AGREEMENT (SLA)**



SLA Examples: Raze Permit - 14days, Sheeting and Shoring - 14 days, Preliminary Plan Review - 45 days

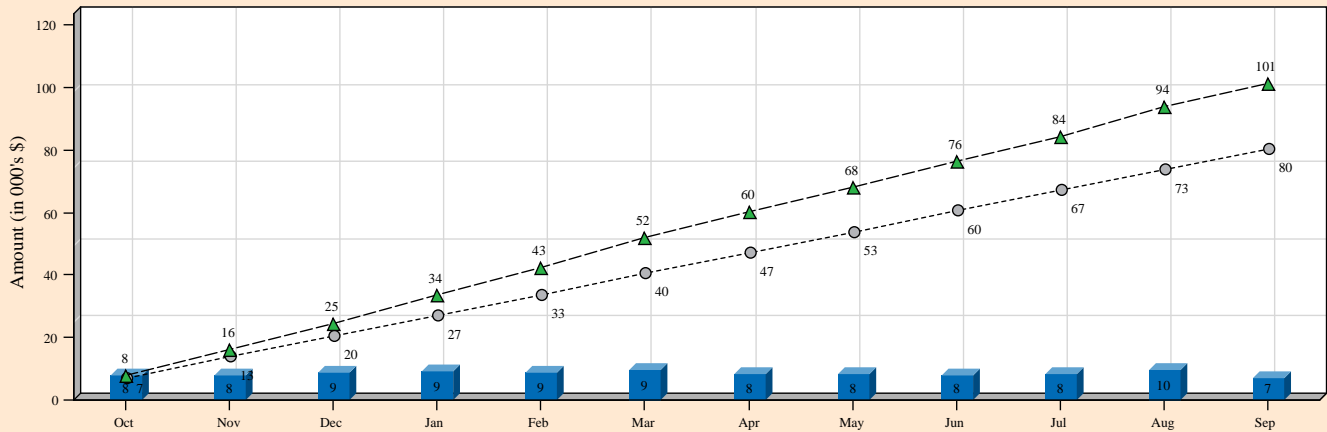
*Permits not processed within SLA in September were 18% Note that different SLA's range from 7 days to 45 days*

**LOW INCOME ASSISTANCE PROGRAM**

**SPLASH PROGRAM**

**SPLASH CONTRIBUTIONS**  
 Monthly and Cumulative Contributions compared to YTD Target

- Monthly Contributions (in 000's)
- ▲ YTD Cumulative Contributions FY-2016 (in 000's)
- Projected YTD Target FY-2016 (in 000's)

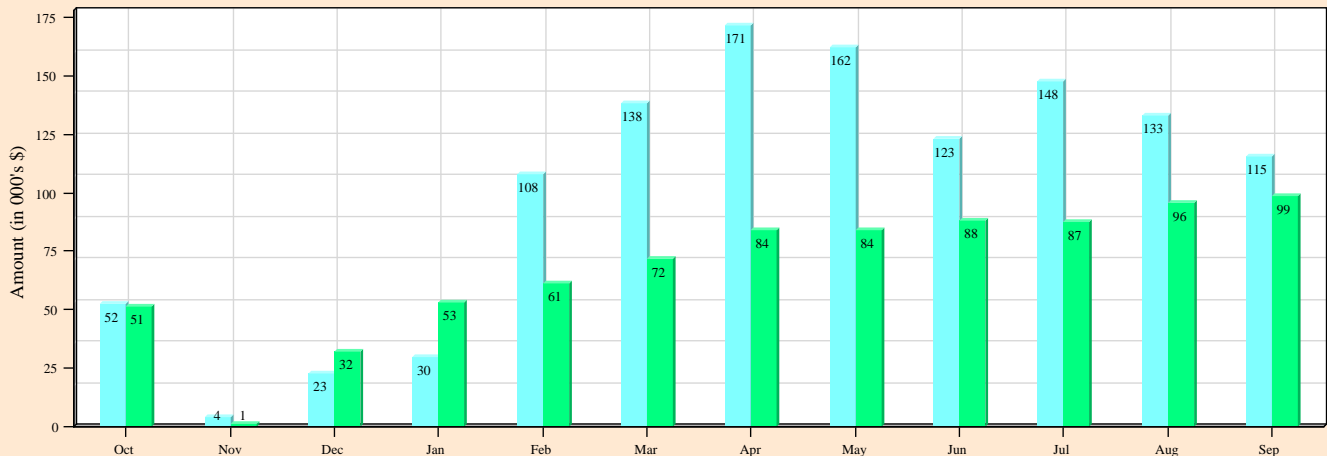


Total SPLASH Contributions to date for September were above target by \$21,000

**CUSTOMER ASSISTANCE PROGRAM (CAP)**

**CUSTOMER ASSISTANCE PROVIDED**  
 Monthly Assistance Provided compared to corresponding Previous Year Periods

- Actual Monthly Amount - Previous Year (in 000's)
- Actual Monthly Amount - Current Year (in 000's)

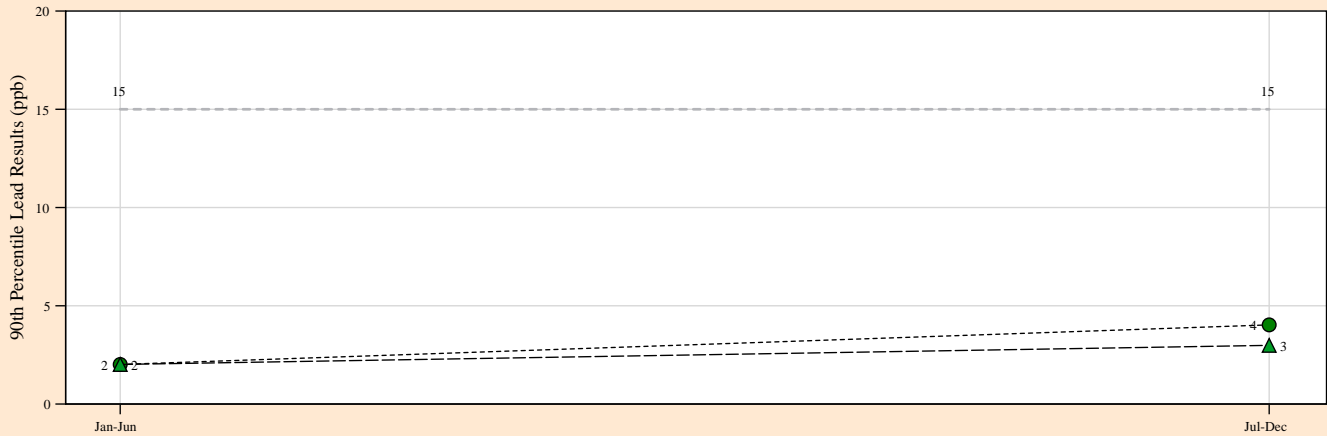


**OPERATIONAL HIGHLIGHTS**

**DRINKING WATER QUALITY**

**LEAD AND COPPER RULE (LCR) COMPLIANCE**  
*Semi-Annual LCR Monitoring Results*

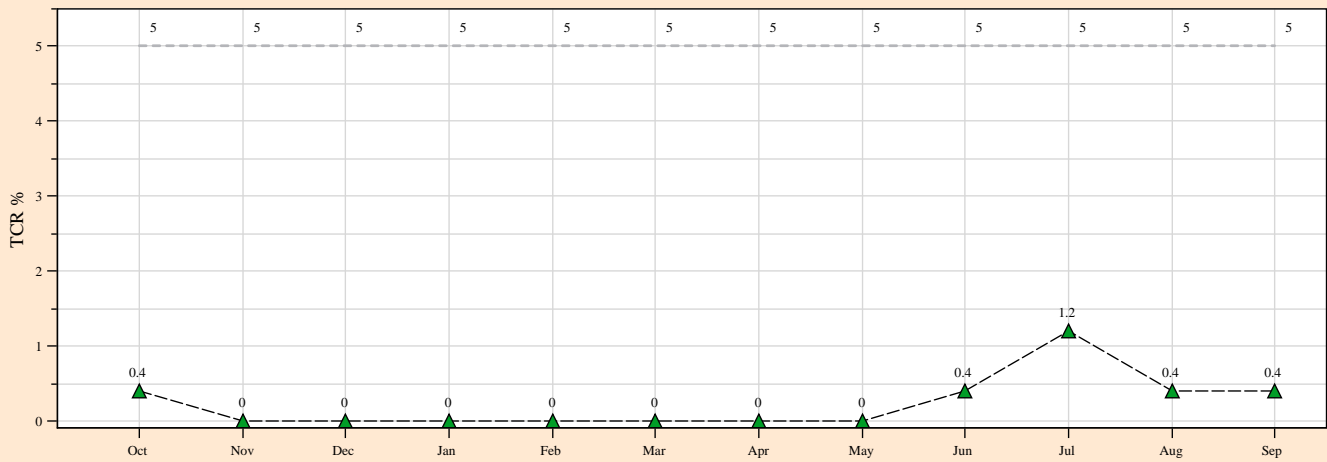
- 2015 LCR Results
- △ 2016 LCR Results
- Action Level : 15 parts per billion (ppb)



*Jul-Dec 2016 results to date*

**TOTAL COLIFORM RULE (TCR)**  
*Total Coliform Positives compared to EPA Maximum Contaminant Level (MCL)*

- △ TCR Level
- EPA Maximum Contaminant Level (5%)



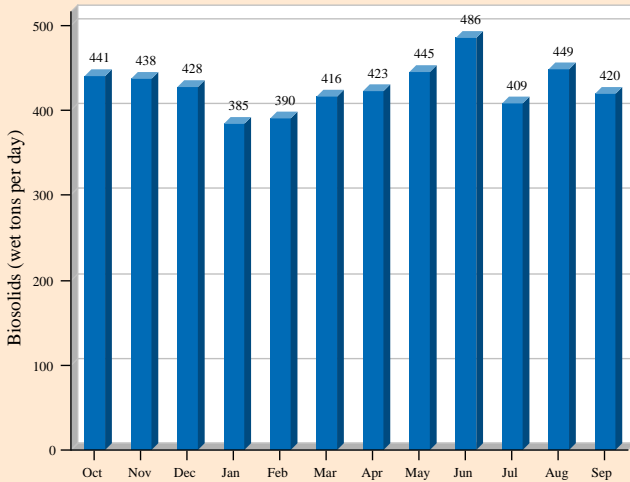
*Coliform Positives were recorded in September at 0.4%*

**OPERATIONAL HIGHLIGHTS**

**WASTEWATER TREATMENT**

**BIOSOLIDS PRODUCTION**  
Average Daily Biosolids Production

■ Average Daily Biosolids Hauled

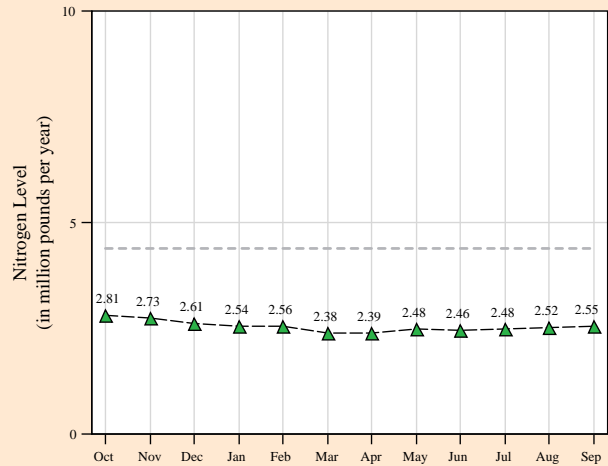


*Biosolids Average Daily Production for September was 420 wet tons per day*

**TOTAL NITROGEN**

Total Nitrogen compared to New Permit Levels

△ Nitrogen Annually Load (lbs/yr)  
--- New Permit Limit - 4.38 Million (lbs/yr)

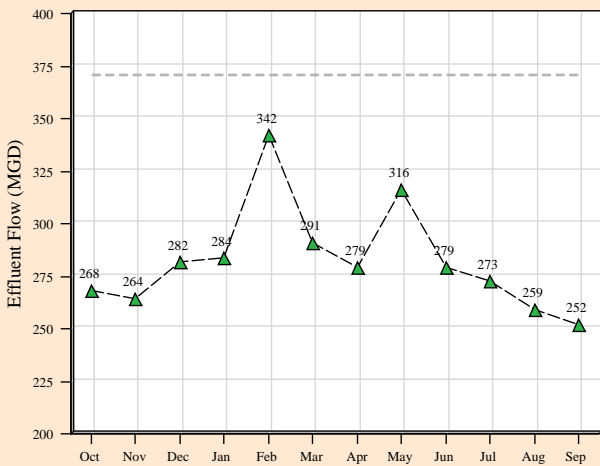


*Nitrogen level for September was below permit by 1.8 million lbs/yr*

**PLANT EFFLUENT FLOW**

Effluent Flow compared to Plant Design Average Limit

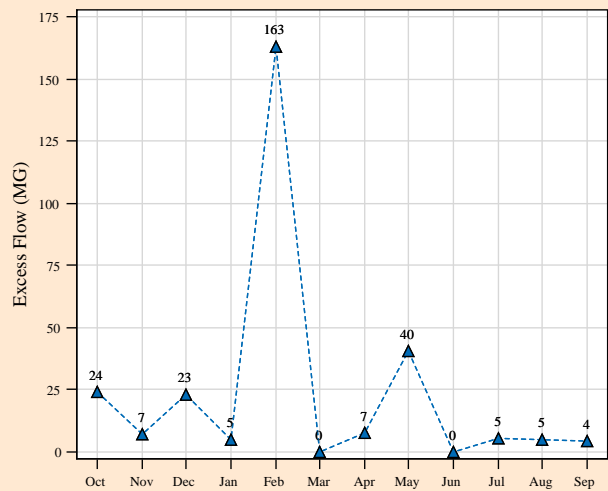
△ Effluent Flow  
--- Design Average (370 mgd)



*In September, Effluent flow was below design by 118 MGD*

**EXCESS FLOW**

△ Excess Flow



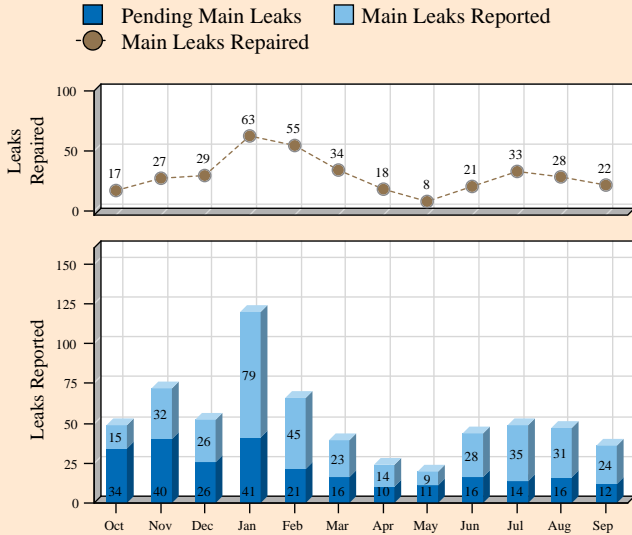
*4 Million Gallons per day excess flow was recorded in September 2016*



**OPERATIONAL HIGHLIGHTS**

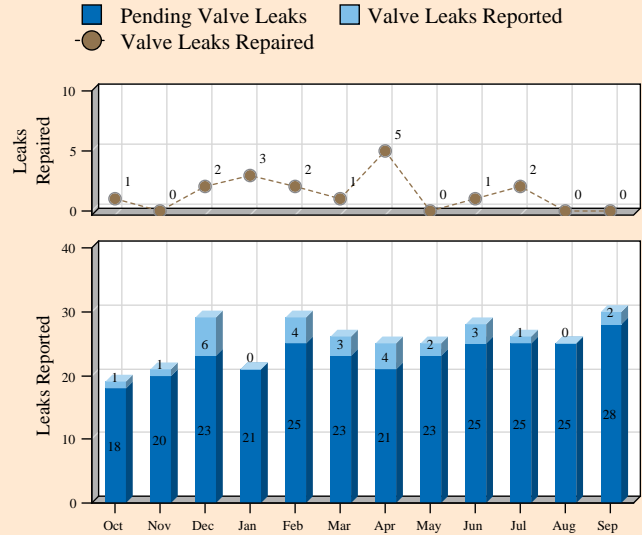
**WATER DISTRIBUTION OPERATIONS**

**WATER MAIN LEAKS**



There were 24 main leaks reported in September

**WATER VALVE LEAKS**



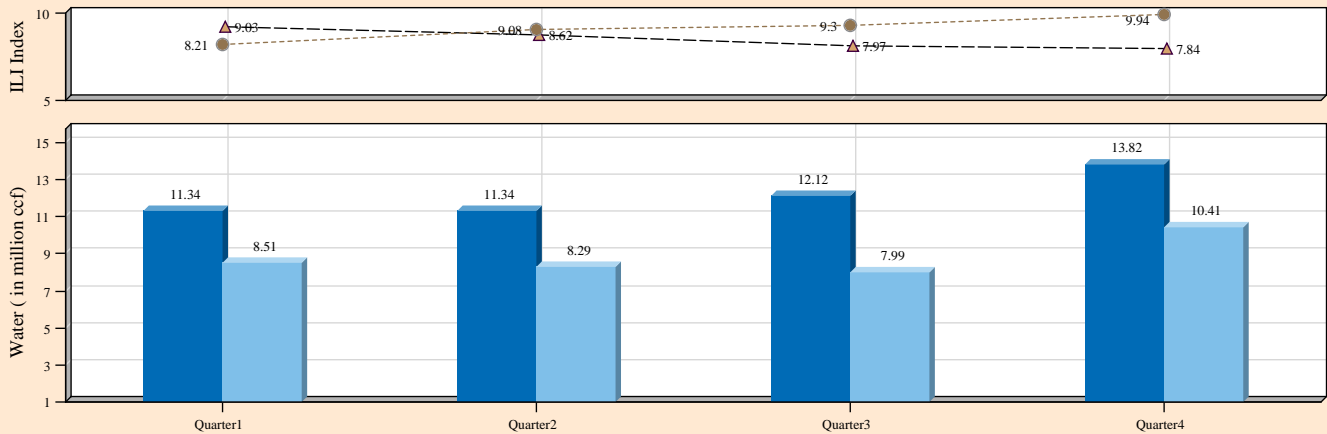
No leaks were resolved in September

**WATER BALANCE**

**NON-REVENUE WATER**

Volume of Water Purchased and Sold per Quarter

- FY-2016: Water Purchased
- FY-2016: Water Sold
- FY-2015: Infrastructure Leakage Index
- ▲ FY-2016: Infrastructure Leakage Index



In the 4th quarter 10.4 out of 13.8 million cubic feet of water was sold

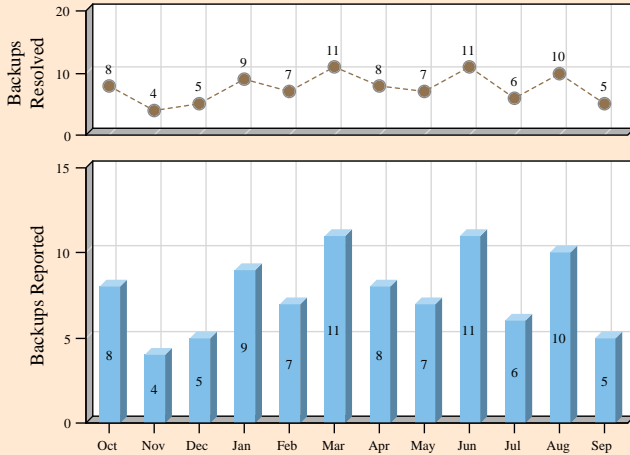
**OPERATIONAL HIGHLIGHTS**

**SEWER SYSTEM OPERATIONS**

**SEWER MAIN BACKUPS**

*Sewer Mains Backed Up and Relieved per Month*

- Pending Main Backups
- Main Backups Reported
- Main Backups Resolved

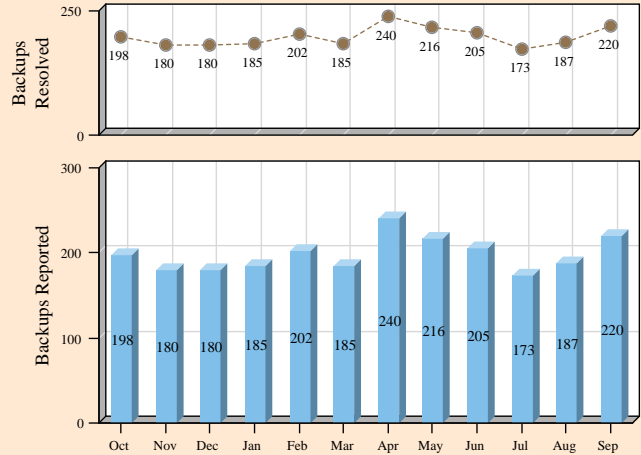


*No pending main backups reported*

**SEWER LATERAL BACKUPS**

*Sewer Laterals Backed Up and Relieved per Month*

- Pending Lateral Backups
- Lateral Backups Reported
- Lateral Backups Resolved



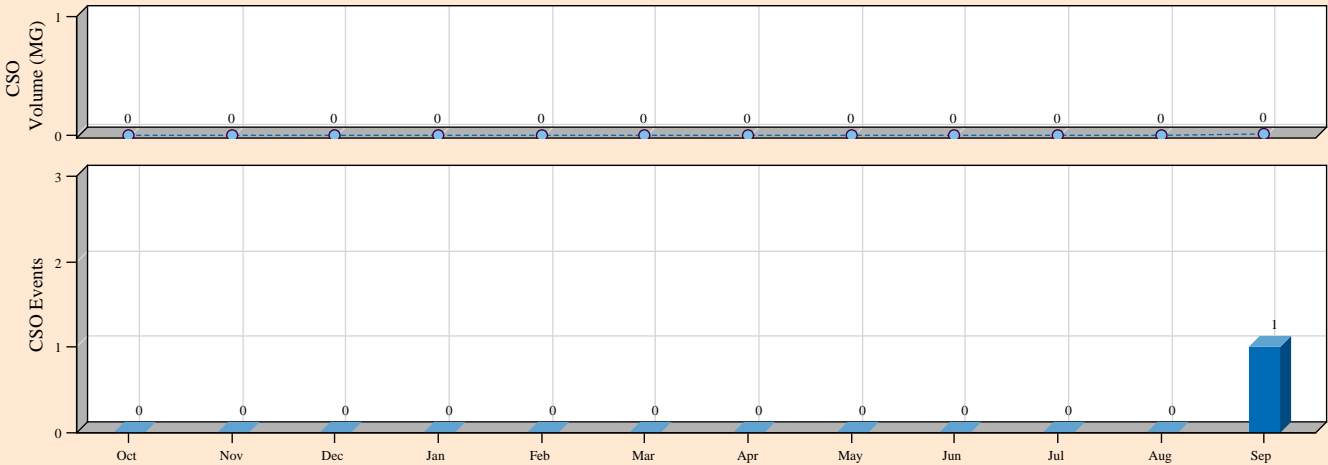
*No pending lateral backups reported*

**COMBINED SEWER SYSTEM**

**DRY WEATHER CSO EVENTS**

*Combined Sewer Overflow Volume and No of Events per Month*

- Number of CSO Events
- Overflow Volume (MG)



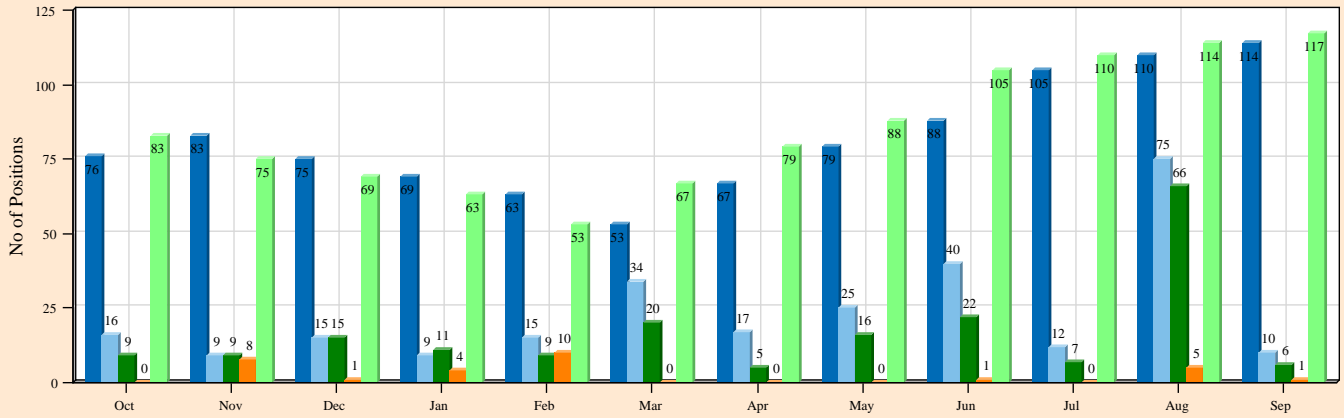
*1 (One) dry weather Combined Sewer Overflow event was recorded in September 2016*

**OPERATIONAL HIGHLIGHTS**

**HUMAN RESOURCES**

**RECRUITMENT ACTIVITY**

- FY-2016:Rollover Open Positions
- FY-2016:New Positions Added
- FY-2016:Positions Filled
- FY-2016:Positions Canceled
- FY-2016:Net Remaining Open Positions



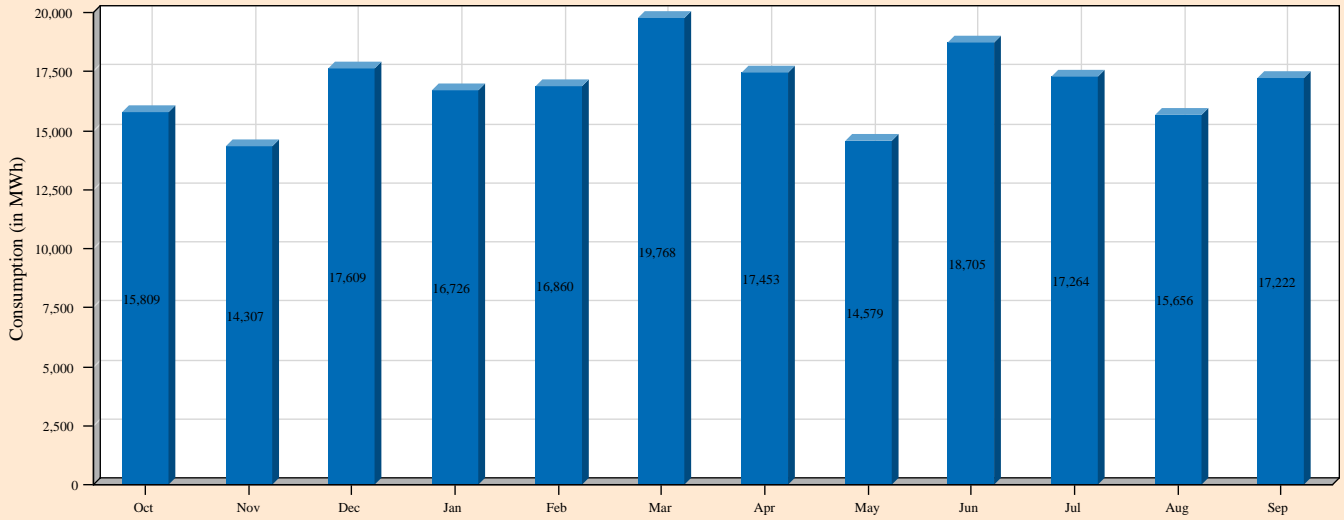
*In September we began the month with 114 positions, received 10 new positions, filled 6, 1 cancellation and ended the month with 117 positions*

**OPERATIONAL HIGHLIGHTS**

**ENERGY**

**ELECTRICITY USAGE SUMMARY**

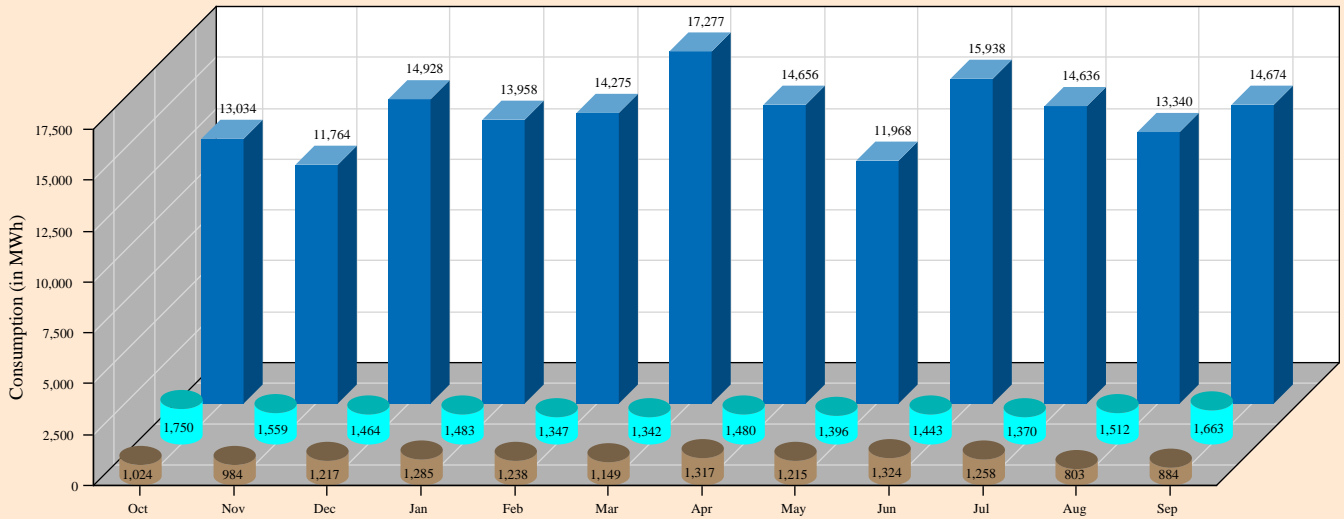
■ Total Consumption (MWh)



*Electricity Consumption in September was 17,222 MWh*

**ELECTRICITY USAGE BY SERVICE AREA**

■ Sewer Pumping ■ Water Pumping ■ Waste Water Treatment



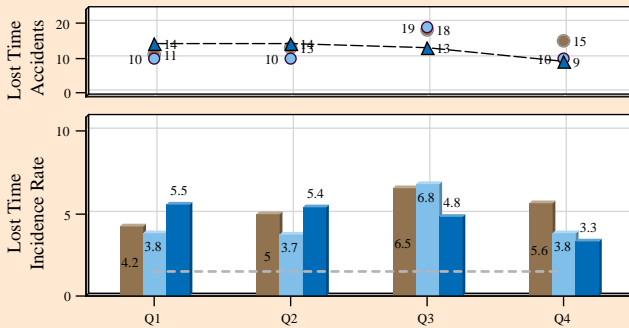
*Wastewater treatment had the highest electricity consumption in September at 14,674 MWh*

**OPERATIONAL HIGHLIGHTS**

**SAFETY**

**EMPLOYEE LOST TIME INCIDENCE RATE**

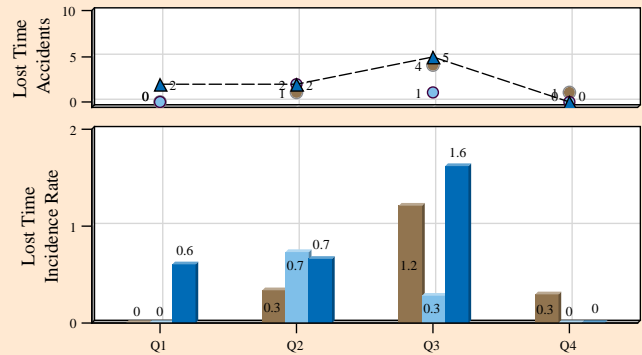
- FY-2014: LT Incidence Rate
- FY-2015: LT Incidence Rate
- FY-2016: LT Incidence Rate
- FY-2014: No of LT Accidents
- FY-2015: No of LT Accidents
- ▲ FY-2016: No of LT Accidents
- Target/National: LT Incidence Rate



*In the 4th quarter, 9 lost time accidents were reported*

**CONTRACTOR LOST TIME INCIDENCE RATE**

- FY-2014: LT Incidence Rate
- FY-2015: LT Incidence Rate
- FY-2016: LT Incidence Rate
- FY-2014: No of LT Accidents
- FY-2015: No of LT Accidents
- ▲ FY-2016: No of LT Accidents

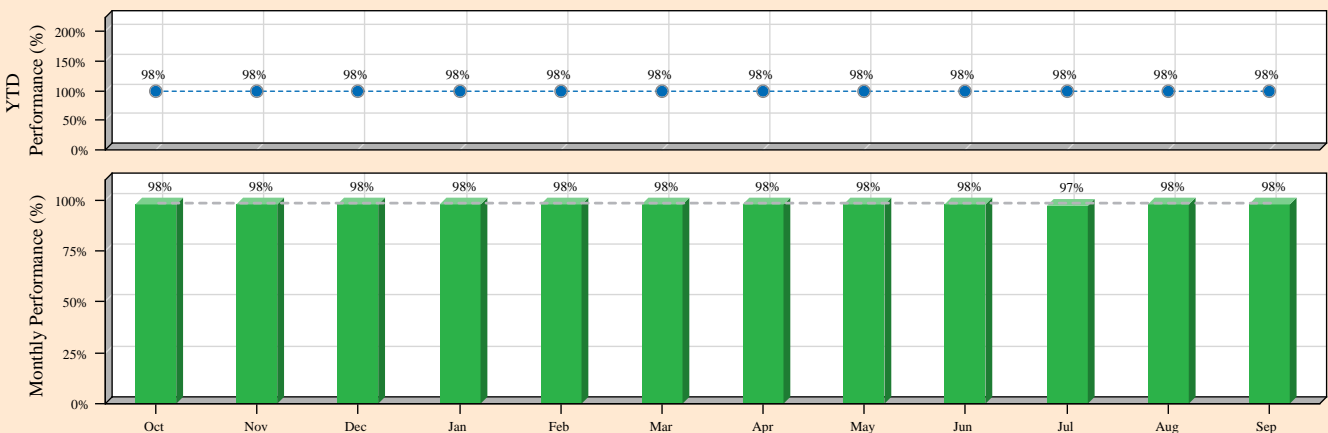


*In the 4th quarter, No lost time accidents were reported*

**VENDOR PAYMENTS**

**VENDOR PAYMENT PERFORMANCE**  
Percentage of Invoices Paid within 30 days

- Monthly Performance (%)
- YTD Performance (%)
- Monthly Target - (97%)



*Monthly performance for September was above Budget by 1%*

**INTERPRETATION OF CHARTS:**

**FINANCIAL HIGHLIGHTS**

---

**Revenue, Expenditure, Capital Disbursement**

- Bulls eye shows the variance for YTD budget against actual for revenues, expenditures and capital disbursements
- Bar graph shows **total** for the fiscal year budgeted(grey)-revenues, expenditures and capital disbursements against YTD actual(blue)
- Horizontal line graph shows a YTD progress analysis as compared to the previous year

**Net Operating Cash**

- Bar graph shows monthly net operating cash provided/used
- Line graph denoted by (Δ) compares YTD actual against budget (O). This element is dynamically color coded\*

**Operating Revenues**

- Bar graph shows monthly operating revenues
- Line graph denoted by (Δ) compares YTD revenue against budget (O). This element is dynamically color coded\*

**Operating Expenses**

- Bar graph shows monthly operating expenses
- Line graph denoted by (Δ) compares YTD expenditure against budget (O). This element is dynamically color coded\*\*

**Capital Disbursements**

- Bar graph shows monthly capital disbursements
- Line graph denoted by (Δ) compares YTD disbursements against budget (O). This element is dynamically color coded\*\*

**Operating Cash Balance**

- Bar graph shows monthly average cash balance compared to the target of \$125 million; indicated by grey dotted line

**Delinquent Account Receivables**

- Bar graph shows monthly Receivables to Revenue ratio against target of 3%; indicated by grey dotted line. This element is dynamically color coded\*\*
- Line graph denoted by (Δ) shows delinquency in actual dollars

**Investment Cash Earnings**

- Bar graph shows monthly investment cash earnings
- Line graph denoted by (Δ) compares the YTD earnings against budget (O). This element is dynamically color coded\*

**Core Investments Yield**

- Bar graph shows the monthly investment yield compared to the monthly target (grey) benchmark as set by the US Treasury Bill. This element is dynamically color coded\*

**Short Term Investment Yield**

- Bar graph shows the monthly short term investment yield compared to the monthly short term target (grey) benchmark as set by the US Treasury Bill. This element is dynamically color coded\*

Dynamic Color Coding Legend

*	**
<p><b>Red</b> - when the actual is <b>lower</b> than 3% of budget or target</p> <p><b>Yellow</b> - when the actual is <b>within</b> 3% of budget or target</p> <p><b>Green</b> - when the actual is <b>equal to or higher</b> than budget or target</p>	<p><b>Red</b> - when the actual is <b>higher</b> than 3% of budget or target</p> <p><b>Yellow</b> - when the actual is <b>within</b> 3% of budget or target</p> <p><b>Green</b> - when the actual is <b>equal to or lower</b> than budget or target</p>

Symbols where the color code applies- (Δ, □)

A

**CUSTOMER CARE AND OPERATIONS HIGHLIGHTS**

---

**Call Center Performance**

- Bar graph shows monthly percentage of calls answered within 40 seconds against target of 85%; indicated by grey dotted line. This element is dynamically color coded\*\*\*
- Line graph denoted by (O) shows the number of calls received by the call center every month

**Command Center Performance**

- Bar graph shows monthly percentage of calls answered within 40 seconds against target of 85%; indicated by grey dotted line. This element is dynamically color coded\*\*\*
- Line graph denoted by (O) shows the number of calls received by the command center every month

**First Call Resolution (FCR)**

- Bar graph shows monthly percentage of calls resolved on first contact against target of 75%; indicated by grey dotted line. This element is color dynamically coded\*\*\*

**Emergency Response Time**

- Bar graph shows the percentage of emergency calls responded to within 45 minutes against target of 90%; indicated by grey dotted line. This element is dynamically color coded\*\*\*
- Line graph denoted by (O) shows the total calls dispatched per month

**Fire Hydrants Out of Service (OOS)**

- Bar graph shows total hydrants not available for use against target of 91; indicated by grey dotted line. This element is dynamically color coded\*\*\*\*
- The bar graph is stacked (blue) to show hydrants that are inaccessible. Inaccessible hydrants are not measured against the target of 91

**Fire Hydrant Inspections and Maintenance**

- Bar graph shows the total number of fire hydrants repaired per month

**Fire Hydrant Replacements**

- Bar graph shows the total number of hydrants replaced per month against target of 21; indicated by grey dotted line. This element is dynamically color coded\*\*\*

**Total Applications Processed within Service Level Agreement (SLA)**

- Bar graph shows
  - the number of permits processed per month(dark blue)
  - the number of permits processed within SLA per month(light blue)
- Line graph denoted by (O) shows the percentage of permits processed vs. processed within SLA

Dynamic Color Coding Legend

***	****
Red- when the actual is <b>lower</b> than 5% of budget or target Yellow- when the actual is <b>within</b> 5% of budget or target Green- when the actual is <b>equal to or higher</b> than budget or target	Red- when the actual is <b>higher</b> than 5% of budget or target Yellow- when the actual is <b>within</b> 5% of budget or target Green- when the actual is <b>equal to or lower</b> than budget or target

Symbols where the color code applies- (Δ, □)

**LOW INCOME ASSISTANCE PROGRAM**

---

**SPLASH Contributions**

- Bar graph shows monthly SPLASH contributions
- Line graph denoted by (Δ) shows the YTD contributions against target (O). This element is color coded\*\*\*

**Customer Assistance Program (CAP)**

- Bar graph shows monthly CAP assistance
- Line graph denoted by (Δ) shows the YTD contributions against budget (O). This element is color coded\*\*\*

**OPERATIONAL HIGHLIGHTS**

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**Lead and Copper Rule (LCR) Compliance**

- Line graph denoted by (Δ, O) shows semi-annual LCR monitoring results against target of 15ppb; indicated by grey dotted line. This element is color coded\*\*\*\*

**Total Coliform Rule (TCR)**

- Line graph denoted by (Δ) shows total coliform positives against the EPA maximum contaminant level of 5%. This element is color coded\*\*\*\*

**Biosolids Production**

- Bar graph shows monthly average daily biosolids production

**Total Nitrogen**

- Line graph denoted by (Δ) shows monthly total nitrogen level against the current permit (dark grey) and 2015 permit (light grey) levels. This element is color coded\*\*\*\*

**Plant Effluent Flow**

- Line graph denoted by (Δ) shows monthly influent flow against the plant design average limit of 370MGD. This element is color coded\*\*\*\*

**Excess Flow**

- Line graph denoted by (Δ) shows monthly excess flow

**Water Main Leaks**

- Bar graph shows the water main leaks reported
- The bar graph is stacked(dark blue) to show the pending leaks carried over from the previous month if any; bar graph(light blue) shows new water main leaks reported for the given month
- Line graph denoted by (O) shows the number of main leaks repaired per month

**Water Valve Leaks**

- Bar graph shows the water valve leaks reported
- The bar graph is stacked(dark blue) to show the pending leaks carried over from the previous month if any; bar graph(light blue) shows new water valve leaks reported for the given month
- Line graph denoted by (O) shows the number of valve leaks repaired per month

Dynamic Color Coding Legend

***	****
Red- when the actual is <b>lower</b> than 5% of budget or target Yellow- when the actual is <b>within</b> 5% of budget or target Green- when the actual is <b>equal to or higher</b> than budget or target	Red- when the actual is <b>higher</b> than 5% of budget or target Yellow- when the actual is <b>within</b> 5% of budget or target Green- when the actual is <b>equal to or lower</b> than budget or target

Symbols where the color code applies- (Δ, □)



**Non Revenue Water**

- Bar graph shows the volume of water purchased(dark blue) and water sold(light blue) per quarter
- Line graph denoted by (Δ, O) shows the Infrastructure Leakage Index(ILI) for the current and previous year

**Sewer Main Backups**

- Bar graph shows the sewer main backups reported
- The bar graph is stacked(dark blue) to show the pending backups carried over from the previous month if any; bar graph(light blue) shows new sewer main backups reported for the given month
- Line graph denoted by (O) shows the number of main backups resolved per month

**Sewer Lateral Backups**

- Bar graph shows the sewer lateral backups reported
- The bar graph is stacked(dark blue) to show the pending backups carried over from the previous month if any; bar graph(light blue) shows new sewer laterals backups reported for the given month
- Line graph denoted by (O) shows the number of lateral backups resolved per month

**Combined Sewer dry weather Overflow (CSO) Events**

- Bar graph shows dry weather CSO events per month
- Line graph denoted by (O) shows the volume in Million Gallons(MG) per dry weather CSO event

**Open Positions**

- Bar graph (dark blue) shows open positions carried over from the previous month.
- Bar graph (light blue) shows new positions added in the given month.
- Bar graph (olive green) shows positions filled in the given month.
- Bar graph (orange) shows positions cancelled in the given month.
- Bar graph (light green) shows net remaining open positions at the end of the given month.

**Electricity Usage Summary**

- Bar graph shows total electricity consumption per month

**Electricity Usage by Service Area**

- Shows a monthly breakdown by service area of electricity usage
- Dark blue shows for Waste Water Treatment Service Area
- Light blue shows Water Pumping Service Area
- Brown shows Sewer Pumping Service Area

**Employee Lost Time Incidence Rate**

- Bar graph shows quarterly Employee Lost Time (LT) incidence rate as compared to the National average LT rate of 2.0; indicated by grey dotted line. Light blue represents the previous year, brown represents the year before previous and dark blue the current fiscal year.
- Scatter graph denoted by (Δ, O) shows the number of Lost Time accidents and comparison is also made between the current year and the previous years.

**Contractor Lost Time Incidence Rate**

- Bar graph shows quarterly Contractor Lost Time (LT) incidence rate. Light blue represents the previous year, brown represents the year before previous and dark blue the current fiscal year.
- Scatter graph denoted by (Δ, O) shows the number of Lost Time accidents and comparison is also made between the current year and the previous years.

Dynamic Color Coding Legend

***	****
Red- when the actual is <b>lower</b> than 5% of budget or target Yellow- when the actual is <b>within</b> 5% of budget or target Green- when the actual is <b>equal to or higher</b> than budget or target	Red- when the actual is <b>higher</b> than 5% of budget or target Yellow- when the actual is <b>within</b> 5% of budget or target Green- when the actual is <b>equal to or lower</b> than budget or target

Symbols where the color code applies- (Δ, □)

**Vendor Payment Performance**

- Bar graph shows monthly Vendor Payment Performance percentage against monthly target of 97%; indicated by grey dotted line. This element is dynamically color coded\*\*
- Line graph denoted by (O) shows the YTD vendor payment performance %.

Dynamic Color Coding Legend

***	****
<p><b>Red-</b> when the actual is <b>lower</b> than 5% of budget or target</p> <p><b>Yellow-</b> when the actual is <b>within</b> 5% of budget or target</p> <p><b>Green-</b> when the actual is <b>equal to or higher</b> than budget or target</p>	<p><b>Red-</b> when the actual is <b>higher</b> than 5% of budget or target</p> <p><b>Yellow-</b> when the actual is <b>within</b> 5% of budget or target</p> <p><b>Green-</b> when the actual is <b>equal to or lower</b> than budget or target</p>

Symbols where the color code applies- (Δ, □)

E



## Summary of Contracts on Consent Agenda

November 6, 2016

### Joint-Use Contracts

**Resolution No. 16-86 – Execute Option Year Four of Contract No. WAS-12-033-AA-RE, Centerra Integrated Services, LLC. The purpose of the option is to continue managing the preventive/predictive maintenance, repair, towing, emergency services and other fleet operations. The option amount is \$1,816,900. (Recommended by Environmental Quality and Sewerage Services Committee 10/20/16)**

**Resolution No. 16-87 – Execute Option Year Four of Contract No. WAS-12-035-AA-RE, Centerra Integrated Services, LLC. The purpose of the option is to continue managing the automotive parts supply functions. The option amount is \$850,000. (Recommended by Environmental Quality and Sewerage Services Committee 10/20/16)**

**Resolution No. 16-88 – Execute DCFA #481, Greeley and Hansen/O’Brien & Gere. The purpose of the contract is to retain the services of qualified consultants that will provide project delivery services for the implementation of a significant Capital Improvement Program (CIP) in the sanitary sewer. The contract not-to-exceed amount is \$20,000,000. (Recommended by Environmental Quality and Sewerage Services Committee 10/20/16)**

**Resolution No. 16-89 - Execute Contract No. 150200, SAK Construction, LLC. The purpose of the contract is to rehabilitate defective sanitary sewer pipes and manholes along the Watts Branch Creek. The contract amount is \$2,998,624. (Recommended by Environmental Quality and Sewerage Services Committee 10/20/16)**

### Non-Joint Use Contract

**Resolution No. 16-91 – Execute Contract No. 16-PR-DCS-66, Smart Grid Solutions, LLC. The purpose of the contract is to install water meters and meter transmitting units that are nearing the end of their useful life. The contract**

**amount is \$7,000,000. (Recommended by Water Quality and Water Services Committee 10/20/16)**

**Presented and Adopted: November 3, 2016**

**SUBJECT: Approval to Execute Option Year Four of Contract No.  
WAS-12-033-AA-RE, Centerra Integrated Services, LLC**

**#16-86  
RESOLUTION  
OF THE  
BOARD OF DIRECTORS  
OF THE  
D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on November 3, 2016 upon consideration of a joint use matter, decided by a vote of \_\_\_() in favor and \_\_\_() opposed to execute Option Year Four of Contract No. WAS-12-033-AA-RE, Centerra Integrated Services, LLC.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute Option Year Four of Contract No. WAS-12-033-AA-RE, Centerra Integrated Services, LLC. The purpose of the option is to continue managing the preventive/predictive maintenance, repair, towing, emergency services and other fleet operations. The option amount is \$1,816,900.

This Resolution is effective immediately.

\_\_\_\_\_  
Secretary to the Board of Directors

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

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION YEAR**

**FLEET MANAGEMENT SERVICES**

**(Joint Use)**

Approval to exercise option year four (4) for fleet vehicle maintenance services contract in the amount of \$1,816,900.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Centerra Integrated Services, LLC. 4800 Overton Plaza Suite 380 Ft. Worth, TX 76109	Apex Petroleum 3190 Fairview Drive Falls Church, VA 22042	1.5%
	MBI, LLC 725 Gleneagles Drive Ft. Washington, MD 20744	5.7%
	R.REA Core 331 H Street, NE Washington, DC 20002	4%
	Washington Supply Network 1235 Kenilworth Avenue, NE Washington, DC 20019	4%

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$1,368,819.54
Original Contract Dates:	11-01-2012 — 10-31-2013
No. of Option Years in Contract:	4
Option Year 1 Value:	\$1,625,000.00
Option Year 1 Dates:	11-01-2013 — 10-31-2014
Option Year 2 Value:	\$1,948,285.75
Option Year 2 Dates:	11-16-2014 — 11-15-2015
Option Year 3 Value:	\$1,816,900.00
Option Year 3 Dates:	11-16-2015 — 11-15-2016
Modification Value:	\$0.00
Modification Dates:	11-01-2014 — 11-15-2014
<b>Option Year 4 Value:</b>	<b>\$1,816,900.00</b>
<b>Option Year 4 Dates:</b>	<b>11-16-2016 — 11-15-2017</b>

**Purpose of the Contract:**

This contract is to manage the preventive/predictive maintenance, repair, towing, emergency services and other fleet operations as required by the Department of Fleet Management.

**Contract Scope:**

The contract provides all the necessary supervision, labor, shop supplies and sub-contract work that are needed to satisfy a wide range of services required by DC Water. The contractor also manages the fleet in an optimal state-of-repair and maintains services that are consistent with the Original Equipment Manufacturer (OEM).

**Spending Previous Year:**

Cumulative Contract Value:	11-01-2012 to 11-15-2016: \$6,759,005.29
Cumulative Contract Spending:	11-01-2012 to 09-06-2016: \$5,441,134.47

**Contractor's Past Performance:**

According to the COTR, the Contractor's quality of products and services, timeliness of deliverables; conformance to DC Water's policies, procedures and contract terms; and invoicing all meet expectations.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price	<b>Award Based On:</b>	Highest Ranked Offeror
<b>Commodity:</b>	Services	<b>Contract Number:</b>	WAS-12-033-AA-RE
<b>Contractor Market:</b>	Open Market with Preference Points for LBE and LSBE Participation		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Fleet Management
<b>Project Area:</b>	125 O Street, NE WDC	<b>Department Head:</b>	Timothy Fitzgerald

**ESTIMATED USER SHARE INFORMATION**

User - Operating	Share %	Dollar Amount
District of Columbia	82.36%	\$1,496,398.84
Washington Suburban Sanitary Commission	12.98%	\$235,833.62
Fairfax County	3.21%	\$58,322.49
Loudoun Water	1.25%	\$22,711.25
Other (PI)	0.20%	\$3,633.80
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$1,816,900.00</b>

For:  / 10/13/16  
 Mark Kim Date  
 Chief Financial Officer

 / 10/11/16  
 Dan Bae Date  
 Director of Procurement

 / 10/11/16  
 Rosalind R. Inge Date  
 Assistant General Manager  
 Support Services

 / 10.7.16  
 George S. Hawkins Date  
 General Manager

**Presented and Adopted: November 3, 2016**

**SUBJECT: Approval to Execute Option Year Four of Contract No.  
WAS-12-035-AA-RE, Centerra Integrated Services, LLC**

**#16-87  
RESOLUTION  
OF THE  
BOARD OF DIRECTORS  
OF THE  
D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on November 3, 2016 upon consideration of a joint use matter, decided by a vote of \_\_() in favor and \_\_() opposed to execute Option Year Four of Contract No. WAS-12-035-AA-RE, Centerra Integrated Services, LLC.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute Option Year Four of Contract No. WAS-12-035-AA-RE, Centerra Integrated Services, LLC. The purpose of the option is to continue managing the automotive parts supply functions. The option amount is \$850,000.

This Resolution is effective immediately.

\_\_\_\_\_  
Secretary to the Board of Directors



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

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION YEAR**

**PARTS SUPPLY FOR FLEET MANAGEMENT**

**(Joint Use)**

Approval to exercise option year four (4) for parts supply for Fleet Management contract in the amount of \$850,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Centerra Integrated Services, LLC. 4800 Overton Plaza Suite 380 Ft. Worth, TX 76109	Apex Petroleum 3190 Fairview Drive Falls Church, VA 22042	4%
	MBI, LLC 725 Gleneagles Drive Ft. Washington, MD 20744	6%
	R.REA Core 331 H Street, NE Washington, DC 20002	7%
	Washington Supply Network 1235 Kenilworth Avenue, NE Washington, DC 20019	9%

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$660,000.00
Original Contract Dates:	11-01-2012 — 10-31-2013
No. of Option Years in Contract:	4
Option Year 1 Value:	\$775,000.00
Option Year 1 Dates:	11-01-2013 — 10-31-2014
Option Year 2 Value:	\$752,500.00
Option Year 2 Dates:	11-16-2014 — 11-15-2015
Option Year 3 Value:	\$850,000.00
Option Year 3 Dates:	11-16-2015 — 11-15-2016
Modification Value:	\$1,322,154.00
Modification Dates:	06-01-2014 — 11-15-2015
<b>Option Year 4 Value:</b>	<b>\$850,000.00</b>
<b>Option Year 4 Dates:</b>	<b>11-16-2016 — 11-15-2017</b>

**Purpose of the Contract:**

This contract is to manage the automotive parts supply functions as required by the Department of Fleet Management.

**Contract Scope:**

The automotive parts provided by Centerra, prevent excessive downtimes, and prevent the utilization of unsafe vehicles and equipment by vehicle users. The contractor is responsible for satisfying the basic requirement of ensuring that stock and non-stock parts and supplies meet and/or exceed the Original Equipment Manufacturer (OEM) specifications.

**Spending Previous Year:**

Cumulative Contract Value:	11-01-2012 to 11-15-2016: \$4,359,654.00
Cumulative Contract Spending:	11-01-2012 to 09-06-2016: \$3,261,791.56

**Contractor's Past Performance:**

According to the COTR, the Contractor's quality of products and services, timeliness of deliverables; conformance to DC Water's policies, procedures and contract terms; and invoicing all meet expectations.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price	<b>Award Based On:</b>	Highest Ranked Offeror
<b>Commodity:</b>	Goods and Services	<b>Contract Number:</b>	WAS-12-035-AA-RE
<b>Contractor Market:</b>	Open Market with Preference Points for LBE and LSBE Participation		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Fleet Management
<b>Project Area:</b>	125 O Street, NE WDC	<b>Department Head:</b>	Timothy Fitzgerald


**ESTIMATED USER SHARE INFORMATION**

User - Operating	Share %	Dollar Amount
District of Columbia	82.36%	\$700,060.00
Washington Suburban Sanitary Commission	12.98%	\$110,330.00
Fairfax County	3.21%	\$27,285.00
Loudoun Water	1.25%	\$10,625.00
Other (PI)	0.20%	\$1,700.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$850,000.00</b>

For:  / 10/12/16  
 Mark Kim  
 Chief Financial Officer  
 Date

 / 10/11/16  
 Dan Bae  
 Director of Procurement  
 Date

 / 10/11/16  
 Rosalind R. Inge  
 Assistant General Manager  
 Support Services  
 Date

 / 10.31.16  
 George S. Hawkins  
 General Manager  
 Date

**Presented and Adopted: November 3, 2016**

**SUBJECT: Approval to Execute DCFA #481, Greeley and Hansen/O'Brien & Gere**

**#16-88  
RESOLUTION  
OF THE  
BOARD OF DIRECTORS  
OF THE  
D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on November 3, 2016 upon consideration of a joint use matter, decided by a vote of \_\_\_() in favor and \_\_\_() opposed to execute DCFA #481, Greeley and Hansen/O'Brien & Gere.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute DCFA #481, Greeley and Hansen/O'Brien & Gere. The purpose of the contract is to retain the services of qualified consultants that will provide project delivery services for the implementation of a significant Capital Improvement Program (CIP) in the sanitary sewer. The contract not-to-exceed amount is \$20,000,000.

This Resolution is effective immediately.

\_\_\_\_\_  
Secretary to the Board of Directors

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

**ACTION REQUESTED**

**ENGINEERING SERVICES:**

**Project Delivery Services for Sewer Service Areas  
(Joint Use)**

Approval to execute an architectural and engineering services contract not to exceed \$20,000,000 for Phase I (FY17-FY22) of the contract. Pending establishment of the need for continuing services, Phases 2 and 3 of this contract, consisting of one year each, will be awarded at DC Water's sole discretion pending acceptable performance and evaluation of program implementation for prior phase/s. Board of Directors approval of the contract modification(s) for the subsequent phase/s will be sought at that time.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION*:</b>
Greeley and Hansen/ O'Brien & Gere Joint Venture 5301 Shawnee Road, Suite 400 Alexandria, VA 22312	CCJM Washington, DC	MBE 15.0%
	Delon Hampton & Associates Silver Spring, MD	MBE 3.0%
	EBA Engineering Inc. Washington, DC	MBE 3.0%
	TLB Glen Burnie, MD	MBE 5.0%
	Lourenco Consultants, Inc. Washington, DC	MBE 2.0%
	Coastal Resources, Inc. Annapolis, MD	WBE 1.0%
	DP Consultants, Inc Washington, DC	WBE 1.0%
	Phoenix Engineering Inc. Hunt Valley, MD	WBE 1.0%
	EHT Tracerics, Inc. Washington, DC	WBE 4.0%
	Stantec Consulting Services, Inc Laurel, MD	1.0%
	Lachel & Associates Rockville, MD	0.25%
	Johnson, Mirmiran, & Thompson Sparks, MD	0.75%

**DESCRIPTION AND PURPOSE**

Contract Value, Phase 1, Not-to-Exceed: \$20,000,000.00  
Contract Time, Phase 1: 1,825 Days (5 Years, 0 Months)  
Anticipated Contract Start Date, Phase 1: 11-20-2016  
Anticipated Contract Completion Date, Phase 1: 11-19-2021

Other firms submitting proposals/qualification statements:

AECOM Technical Services Inc. / Rummer, Klepper & Kahl, LLP JV\*

Brown and Caldwell / Whitman, Requardt & Associates, LLC JV\*

Hazen & Sawyer LLC\*

\*Asterisk indicates short listed firms.

**Purpose of the Contract:**

To retain the services of qualified consultants that will provide project delivery services for the implementation of a significant Capital Improvement Program (CIP) in the sanitary sewer, combined and stormwater service areas.

**Contract Scope:**

- Assist DC Water with the implementation and completion of various capital improvement projects. Such services include engineering design, engineering services during construction, environmental studies, program management, and other specialized services at the discretion of DC Water
- Provide operations support to the Customer Care and Operations Division.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Lump Sum & Cost Plus Fixed Fee	<b>Award Based On:</b>	Highest Ranking Score
<b>Commodity:</b>	Engineering Design Services	<b>Contract Number:</b>	DCFA #481
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Engineering and Technical Services
<b>Service Area:</b>	Sanitary, Combined, Storm	<b>Department Head:</b>	Liliana Maldonado
<b>Project:</b>	AU,AT,AV,DM,FQ,FZ,HS,IK,IL,IM,IN,J0,J1,JS,JU,JX,LZ,PJ,PM,N7		

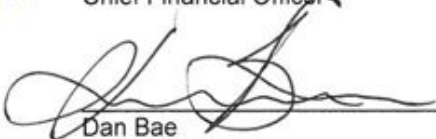
**ESTIMATED USER SHARE INFORMATION**

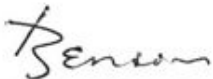
User	**Share %	Dollar Amount
District of Columbia	100.00%	\$ 20,000,000
Federal Funds	***0.00%	\$ 0.00
Washington Suburban Sanitary Commission	0.00%	\$ 0.00
Fairfax County	0.00%	\$ 0.00
Loudoun County & Potomac Interceptor	0.00%	\$ 0.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 20,000,000</b>


\*\* Work under this contract will be assigned as needed under specific task orders. Current plan is to assign work as shown above. However, it is anticipated that Joint Use work may be assigned over the five year contract period. It is anticipated that, as tasks are developed for work associated with specific facilities and costs are developed, the individual Users will be notified and billed according to agreed cost sharing.

\*\*\* Eligible for Federal Grant Funding at 50% of the District of Columbia share. Grant funding is insufficient to fund all eligible contracts. Federal Grant Funding may be used if additional funding becomes available or if other eligible projects are postponed.

For:  \_\_\_\_\_ 10/13/16  
 Mark Kim Date  
 Chief Financial Officer

 \_\_\_\_\_ 10/13/16  
 Dan Bae Date  
 Director of Procurement

 \_\_\_\_\_ 10-13-16  
 Leonard R. Benson Date  
 Chief Engineer

 /GSH \_\_\_\_\_ 10.21.16  
 George S. Hawkins Date  
 General Manager

**Presented and Adopted: November 3, 2016**  
**SUBJECT: Approval to Execute Contract No. 150200**  
**SAK Construction, LLC**

**#16-89**  
**RESOLUTION**  
**OF THE**  
**BOARD OF DIRECTORS**  
**OF THE**  
**D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on November 3, 2016 upon consideration of a joint use matter, decided by a vote of \_\_\_() in favor and \_\_\_() opposed to execute Contract No. 150200, SAK Construction, LLC.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute Contract No. 150200, SAK Construction, LLC. The purpose of the contract is to rehabilitate defective sanitary sewer pipes and manholes along the Watts Branch Creek. The contract amount is \$2,998,624.

This Resolution is effective immediately.

\_\_\_\_\_  
Secretary to the Board of Directors

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

**ACTION REQUESTED**

**CONSTRUCTION CONTRACT:**

**Watts Branch Sewer Rehabilitation Phase III and Spring Valley Sewer  
Rehabilitation  
(Joint Use)**

Approval to execute a construction contract for \$2,998,624.00

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
SAK Construction, LLC 1405 Benson Court, Ste.C Arbutus, MD 21227	Luther Supply Company St Louis, MO MBE	9.3%
	DACO Construction Hanover, MD MBE	7.2%
	Advantage Manhole & Concrete Services, INC. Huston, TX WBE	3.3%
	TFE Resource Ltd. Pennsauken, NJ WBE	2.9%

**DESCRIPTION AND PURPOSE**

Contract Value, Not-To-Exceed:	\$ 2,998,624.00
Contract Time:	365 Days (1 Year, 0 Months)
Anticipated Contract Start Date (NTP):	12-08-2016
Anticipated Contract Completion Date:	12-07-2017
Bid Opening Date:	08-24-2016
Bids Received:	3
Other Bids Received	
IPR Northeast, LLC*	\$ 2,379,628.75
Pleasants Construction, LLC	\$ 3,681,800.00

\* Lowest bidder was deemed non responsive as they did not submit the required documentation demonstrating their compliance with the EPA MBE/WBE affirmative action steps

**Purpose of the Contract:**

To rehabilitate defective sanitary sewer pipes and manholes along the Watts Branch Creek.

**Contract Scope:**

- Rehabilitate approximately 9,100 LF of 8-inch to 27-inch diameter sewer pipes using Cured-in-Place (CIPP).
- Perform heavy cleaning of approximately 2,800 LF of 10-inch to 24-inch diameter sewer pipes
- Complete chemical root treatment on approximately 1,700 LF 10-inch to 24-inch diameter sewer pipes.
- Abandon in place approximately 500 LF of sewer and 3 manholes using flowable fill.
- Complete rehabilitation of approximately 50 manholes using Fiber Reinforced Cementitious Coating.
- Maintain Traffic Control and perform surface restoration



- Perform bypass pumping and obtain all required permits

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price	<b>Award Based On:</b>	Lowest responsive, responsible bidder
<b>Commodity:</b>	Construction	<b>Contract Number:</b>	150200
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Engineering and Technical Services
<b>Service Area:</b>	Sanitary	<b>Department Head:</b>	Liliana Maldonado
<b>Project:</b>	A4, IL		

**ESTIMATED USER SHARE INFORMATION**

**A4- Watts Branch Sewer Rehabilitation**

User	Share %	Dollar Amount
DC Water	23.44%	\$ 682,545.16
DC Deputy Mayor Office (DMPED)	8.43%	\$ 245,322.88
Washington Suburban Sanitary Commission	68.13%	\$ 1,983,547.21
Fairfax County	0.00%	\$ 0.00
Loudoun County & Potomac Interceptor	0.00%	\$ 0.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 2,911,415.25</b>


**IL- Spring Valley Sewer Rehabilitation**

User	Share %	Dollar Amount
DC Water	100.00%	\$ 87,208.75
DC Deputy Mayor Office (DMPED)	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	0.00%	\$ 0.00
Fairfax County	0.00%	\$ 0.00
Loudoun County & Potomac Interceptor	0.00%	\$ 0.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 87,208.75</b>

**Combined Allocation**

User	Share %	Dollar Amount
DC Water	25.67%	\$ 769,753.91
DC Deputy Mayor Office (DMPED)	8.18%	\$ 245,322.88
Washington Suburban Sanitary Commission	66.15%	\$ 1,983,547.21
Fairfax County	0.00%	\$ 0.00
Loudoun County & Potomac Interceptor	0.00%	\$ 0.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 2,998,624.00</b>

For:  10/13/16  
 Mark Kim Date  
 Chief Financial Officer

 10.31.16  
 George S. Hawkins Date  
 General Manager

 10/13/16  
 Dan Bae Date  
 Director of Procurement

 10-13-16  
 Leonard R. Benson Date  
 Chief Engineer

**Presented and Adopted: November 3, 2016**  
**SUBJECT: Approval to Authorize the General Manager to**  
**Establish Blue Drop, LLC**

**#16-90**  
**RESOLUTION**  
**OF THE**  
**BOARD OF DIRECTORS**  
**OF THE**  
**D.C. WATER AND SEWER AUTHORITY**

The members of the Board of Directors (“Board”) of the District of Columbia Water and Sewer Authority (“DC Water”) at the Board meeting held on November 3, 2016, upon consideration of a joint use matter, decided by a vote of \_\_\_\_ ( ) in favor and \_\_\_\_ ( ) opposed, to take the following action to authorize the General Manager to establish a not-for-profit entity under the laws of the District of Columbia to be known as Blue Drop, LLC.

**WHEREAS**, District of Columbia Home Rule Act states, “[n]otwithstanding any other provision of this chapter or any District of Columbia law, the financial management, personnel, and procurement functions and responsibilities of the District of Columbia Water and Sewer Authority shall be established exclusively pursuant to rules and regulations adopted by its Board of Directors.” D.C. Code § 1-204.96(a); and

**WHEREAS**, the Council of the District of Columbia created DC Water pursuant to the *Water and Sewer Authority Establishment and Department of Public Works Reorganization Act of 1996* (“Enabling Legislation”). D.C. Code 34-220.01 et seq.; and

**WHEREAS**, the Enabling Legislation authorizes DC Water to “exercise any power usually possessed by public enterprises or private corporations performing similar functions that is not in conflict with the District of Columbia Home Rule Act, or the laws of the District...” D.C. Code § 34-2202.03(17); and

**WHEREAS**, the Enabling Legislation grants DC Water the power to “undertake any public project, acquisition, construction, or any other act necessary to carry out its purposes...” D.C. Code § 34-2202.03(13); and

**WHEREAS**, the Enabling Legislation grants DC Water the power to “do all things necessary or convenient to carry out the powers expressly provided...” in the Enabling Legislation. D.C. Code § 34-2202.03(30); and

**WHEREAS**, as a consequence of ever changing regulatory mandates, the need to replace and maintain aging water distribution and sewage conveyance system infrastructure and capital commitments that have been and will be necessary to reduce

the frequency and volume of combined sewer overflows to the Potomac and Anacostia rivers, Rock Creek and their tributaries, the rates, fees and charges for delivering services to customers in the District of Columbia and to user jurisdictions have increased steadily in recent years, and will continue to rise in coming years; and

**WHEREAS**, the rate at which water and sewer rates, fees and charges are escalating presents a growing affordability challenge for customers in the District of Columbia and to the user jurisdictions; and

**WHEREAS**, the Board has directed the General Manager/CEO to find innovative ways to generate revenue from new sources to help mitigate the rate of increase in rates, fees and charges that are necessary to recover the cost of providing services; and

**WHEREAS**, DC Water has developed a reputation in the industry as a leader in innovation; and

**WHEREAS**, DC Water holds or is seeking patent rights for several inventions in the United States and in other countries for technologies and processes that were developed from research and operation of its facilities; and

**WHEREAS**, DC Water makes Bloom™, a soil conditioner made from exceptional quality Class A biosolids produced from operations at Blue Plains; and

**WHEREAS**, DC Water conducts other operations, including but not limited to laboratory services and fleet maintenance that can be provided to other agencies, persons and entities for a fee; and

**WHEREAS**, DC Water is committed to maximizing value from every element of its operations for the benefit of the environment, its ratepayers and customers; and

**WHEREAS**, the General Manager/CEO has requested permission to create a not-for-profit entity, that will be known as Blue Drop LLC (Blue Drop) and which will be dedicated to providing certain products and services developed from Authority operations; and

**WHEREAS**, the General Manager/CEO has indicated that Blue Drop will be a separate legal entity, which will seek tax-exempt status under the Internal Revenue Code; and

**WHEREAS**, the General Manager/CEO has indicated that Blue Drop will be organized to achieve the following purposes: 1) Provide relief from rising rates, fees, and charges to DC Water's customers in the District of Columbia, to other participating jurisdictions as defined in D.C. Code § 34-2202.01(5), and to users of the joint-use sewage facilities as defined in D.C. Code § 34.2202.01(4); 2) Advance and promote innovative strategies and technologies in the treatment and delivery of potable water, the treatment and collection of wastewater, and related products and services; 3) Improve

the state of the water and wastewater treatment sectors by sharing knowledge, research, and expertise throughout the country and the world; and 4) Promote resource recovery and conservation; and

**WHEREAS**, upon consideration of the General Manager/CEO's request, the Board has determined that granting the request is a matter of business judgment, which is within its discretion pursuant to the authority granted by the Enabling Legislation and the above cited provision of the Home Rule Act; and

**WHEREAS**, the Board expects that the Blue Drop entity will be able to respond rapidly and efficiently to changing market dynamics; and

**WHEREAS**, the Board has determined that Blue Drop should be part of DC Water's plan to manage its finances and to perform its statutory responsibilities.

**NOW THEREFORE BE IT RESOLVED:**

1. The Board authorizes the General Manager/CEO to establish Blue Drop as a District of Columbia not-for-profit limited liability entity for the purposes of:
  - a. Providing relief from rising rates, fees, and charges to DC Water's customers in the District of Columbia, to other participating jurisdictions as defined in D.C. Code § 34-2202.01(5), and to users of the joint-use sewage facilities as defined in D.C. Code § 34.2202.01(4);
  - b. Advancing and promoting innovative strategies and technologies in the treatment and delivery of potable water, the treatment and collection of wastewater, and related products and services;
  - c. Improving the state of the water and wastewater treatment sectors by sharing knowledge, research, and expertise throughout the country and the world;
  - d. Promoting resource recovery and conservation; and
  - e. Other purposes consistent with and complementary to the principles described in this Resolution.
2. George Hawkins is hereby appointed as an individual to a three year term as the Chairperson of the Board of Directors for Blue Drop (the "Blue Drop Board"). Such term shall commence on the date of the first meeting of the Blue Drop Board and shall end upon the third yearly anniversary of such meeting unless this appointment is terminated sooner by this Board, the Chairperson's resignation, death, or intervening incapacity. Mr. Hawkins is hereby appointed and directed to take all actions necessary to convene the first meeting of the Blue Drop Board. As Chairperson, Mr. Hawkins is authorized to appoint/remove the Manager of the LLC in accordance with the organizational requirements, rules, and procedures of the LLC.
3. George Hawkins is hereby appointed as the individual who shall be the Member Representative to the Blue Drop Board. He shall have authority to express to the

Manager and to the Blue Drop Board, the decisions and approvals of the Member related to the operations of Blue Drop for a period of three years commencing on the date of the first meeting of the Blue Drop Board and ending on the third yearly anniversary of such meeting unless this appointment is terminated sooner by this Board, the Member Representative's resignation, death, or intervening incapacity.

4. The General Manager/CEO shall report to the Board on the progress and operations of Blue Drop as he determines necessary, but no less frequently than annually.
5. The General Manager/CEO is authorized to take any other action he deems appropriate to establish Blue Drop as a not-for-profit limited liability company consistent with the intentions expressed in this Resolution.

This Resolution is effective immediately.

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Secretary to the Board of Directors

**Presented and Adopted: November 3, 2016**

**SUBJECT: Approval to Execute Contract No. 16-PR-DCS-66  
Smart Grid Solutions, LLC**

**#16-91  
RESOLUTION  
OF THE  
BOARD OF DIRECTORS  
OF THE  
D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on November 3, 2016 upon consideration of a non-joint use matter, decided by a vote of \_\_\_() in favor and \_\_\_() opposed to execute Contract No. 16-PR-DCS-66, Smart Grid Solutions, LLC.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute Contract No. 16-PR-DCS-66, Smart Grid Solutions, LLC. The purpose of the contract is to install water meters and meter transmitting units that are nearing the end of their useful life. The contract amount is \$7,000,000.

This Resolution is effective immediately.

\_\_\_\_\_  
Secretary to the Board of Directors

**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 new water meters and meter transmitting units (MTUs) to replace equipment that 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  
 Chief Financial Officer  
 Date

 10/11/16  
 Dan Bae  
 Director of Procurement  
 Date

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

 10.5.16  
 George S. Hawkins  
 General Manager  
 Date