



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
237th MEETING OF THE BOARD OF DIRECTORS
Thursday, December 7, 2017
9:30 a.m.
5000 Overlook Avenue, SW
Room 407

- I. Call to Order (Chairman Tommy Wells)**
- II. Roll Call (Linda Manley, Board Secretary)**
- III. [Approval of November 2, 2017 Minutes](#)**
- IV. Chairman's Overview**
- V. Committee Reports**
 - [1. Human Resource and Labor Relations Committee \(Bradley Frome\)](#)
 - [2. Environmental Quality and Operations Committee \(Howard Gibbs\)](#)
 - [3. DC Retail Water and Sewer Rates Committee \(Rachna Bhatt\)](#)
 - [4. Finance and Budget Committee \(Sarah Motsch\)](#)
- VI. Issues of General Interest**
- VII. [CEO/General Manager's Report \(George Hawkins\)](#)**
- VIII. [Summary of Contracts \(FYI\)](#)**
- IX. Consent Items (Joint Use)**
 - [1. Approval to Execute Option Year One of Contract No. 14-PR-HCM-08, Connecticut General Life Insurance Company \(CIGNA\) – Resolution No. 17-74 \(Recommended by the Human Resource and Labor Relations Committee 11/08/17\)](#)
 - [2. Approval to Execute Option Year Three of Contract No. 16-PR-HCM-26, Kaiser Foundation Health Plan of the Mid-atlantic States, Inc. – Resolution No. 17-75 \(Recommended by the Human Resource and Labor Relations Committee 11/08/17\)](#)
 - [3. Approval to Execute Additional Funding for Option Year One of Contract No. 16-PR-DMS-43, Electric Motor & Contracting Co., Inc. \(EMC\) – Resolution No. 17-76 \(Recommended by the Environmental Quality and Operations Committee 11/16/17\)](#)
 - [4. Approval to Execute Change Order No. 1 of Contract No. 160150, Mobile Dredging & Video Pipe Services – Resolution No. 17-77 \(Recommended by the Environmental Quality and Operations Committee 11/16/17\)](#)
 - [5. Approval to Execute Supplemental Agreement No. 03 of Contract No. DCFA-445, O'Brien and Gere Engineers, P.C. – Resolution No. 17-78 \(Recommended by the Environmental Quality and Operations Committee 11/16/17\)](#)

6. [Approval to Execute a Contract Modification fo Additional Funding for Advance Digital Systems, Inc. \(ADS\) – Resolution No. 17-79](#) (Recommended by the Environmental Quality and Operations Committee 11/16/17)
7. [Approval to Execute Option Year Two of Contract No. 15-PR-DWT-35, Polydyne, Inc. – Resolution No. 17-80](#) (Recommended by the Environmental Quality and Operations Committee 11/16/17)
8. [Approval to Execute Additional Funding for Option Year One of Contract No. 16-PR-DSS-63, Dynamic Concepts, Inc. – Resolution No. 17-81](#) (Recommended by the Environmental Quality and Operations Committee 11/16/17)
9. [Approval to Execute a Contract Modification for Additional Funding for Contract No. 17-PR-DIT-06G, Networking for Future, Inc. \(NFF\) – Resolution No. 17-82](#) (Recommended by the Environmental Quality and Operations Committee 11/16/17)

X. Executive Session – To discuss legal, confidential and privileged matters pursuant to Section 2-575(b) of the D.C. Official Code¹

XI. Adjournment (Chairman Tommy Wells)

1 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 – 4th Floor)

- Governance Committee – Wednesday, December 13th @ 9:00 a.m.
- Special Meeting of the Human Resource and Labor Relations Committee – Wednesday, December 13th @ 11:00 a.m.
- DC Retail Water and Sewer Rates Committee – Tuesday, December 19th @ 9:30 a.m.
- Finance and Budget Committee – Tuesday, December 19th @ 11:00 a.m.
- Environmental Quality and Operations Committee – Thursday, December 21st @ 9:30 a.m.



**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**

BOARD OF DIRECTORS
Human Resources and Labor Relations
Committee
November 9, 2017

MEETING MINUTES

Committee Members Present

Bradley Frome, Committee Chairman
Ellen Boardman (via telephone)
Rachna Butani
Anthony Giancola

DC Water Staff Present

Henderson Brown, General Counsel
Mustaafa Dozier, Chief of Staff
Linda R. Manley, Board Secretary

1. Call to Order

Chairman, Bradley Frome called the meeting to order at 11:00 a.m.

3. 2018 Medical Plan Rate Renewals

Otho Milbourne, Total Rewards Supervisor, presented the 2018 Medical Plan Renewals. Mr. Milbourne indicated that currently, employees are paying 20% of medical premium cost and the Authority pays the remaining 80%. The cost share will increase in 2018 and employees will pay 23% while the Authority will pay the remaining 77%. Mr. Milbourne stated that the percentages do not reflect an increase in the total premiums. Cigna submitted a 2018 initial renewal rate of 9.9% while Kaiser submitted a 5.2% initial renewal rate. Mr. Milbourne stated that both rates were validated through an independent analysis conducted by Aon Hewitt and a final renewal rate of 5.2% was presented by Kaiser and passed on to employees, while Cigna submitted a 0% rate instead of 9.9% which resulted in no rate increase for employees.

Mr. Milbourne shared that during an annual medical utilization meeting, Cigna revealed positive metrics suggesting highly engaged employees as a result of efforts undertaken by Human Capital Management, Total Rewards to increase health awareness. While an increase was avoided this year, due to the fact that Cigna offset their submission with a credit amount of \$1,074,000, Mr. Milbourne expressed a double digit increase is likely to occur next year as a result of no increase in FY2018. Board member Ellen Boardman asked if there was a cap in the Collective Bargaining Agreement (CBA) for union employees. Mr. Milbourne stated that the cap is 23% as outlined in the CBA. Chairman Bradley Frome asked how the employee utilization of preventative care factored into Cigna's change in rates from 9.9% to 0%. Mustaafa Dozier, Chief of Staff explained that over the past 2 years Cigna has presented favorable employee utilization metrics during the mid-year period and

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a forecast for the remainder of the fiscal year. However, the actual positive utilization metrics did not reflect what was forecasted at the mid-year point. Mr. Dozier stated rigorous discussions between DC Water, Aon Hewitt and Cigna resulted in a percentage change to 0%, a correction for the poor forecasting and mid-year numbers over the past 2 years. Mr. Dozier further stated that since 2001, the employee employer cost share has been 20/80 while most employers have shifted a higher cost share to the employee which explains the increase to 23% for employees.

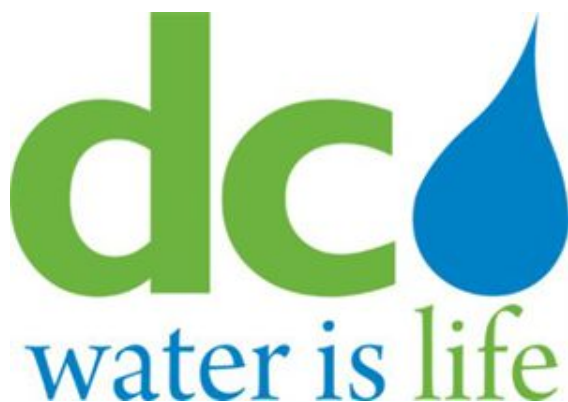
Mr. Milbourne stated that the Authority was pleased with Cigna and Kaiser and requested the Committee approve additional option years for medical benefits. Chairman Frome asked what the additional option years were. Mr. Milbourne expressed option year one is one year for the Cigna plan and it is option year three for Kaiser, with both being five year contracts. Chairman Frome probed whether the insurance providers participated in the proactive approach taken by D.C Water or is it solely an internal initiative. Mr. Dozier responded the approach is in conjunction with the insurance providers as part of the contractual agreement. The Committee agreed to move the fact sheets to the full Board for approval.

5. Executive Session

The Committee convened into Executive Session at 11:17 a.m. and reconvened into open session at 12:17 pm.

6. Adjournment

The meeting adjourned at 12:20 p.m.



**District of Columbia
Water and Sewer Authority**

Board of Directors

**Environmental Quality and Operations
Meeting**

Thursday, Nov 16, 2017

9:35 a.m.

MEETING SUMMARY

Committee Members

James Patteson, Chairperson
David Lake
David Franco
Howard Gibbs

DC Water Staff Present

Leonard Benson, Chief Engineer
Meena Gowda, Deputy General Counsel
Linda R. Manley, Secretary to the Board

I. Call to Order

Mr. Patteson called the meeting to order at 9:35 a.m.

II. AWTP STATUS UPDATES

1. BPAWTP Performance

Mr. Aklile Tesfaye, Assistant General Manager for Wastewater Treatment reported on the performance of the Blue Plains Advanced Wastewater Treatment Plant (AWTP) (by exception). Mr. Tesfaye stated that all performance parameters were excellent and all permit requirements were met.

Mr. Tesfaye briefly highlighted some performance parameters of the Combined Heat and Power (CHP) facility at Blue Plains. He stated that for October 2017, the facility generated 160 MWH/day or 26% of the total energy consumed at Blue Plains (622 MWH/day). Mr. Tesfaye went on to explain that in October, the capacity of the CHP waste heat boilers or Heat Recovery Steam Generators (HRSG) to supply adequate high pressure steam improved as a result of a major repair on one of the three units completed on September 28, 2017. The repair restored the unit to the original factory condition with modifications to the duct burner and digester gas flow controls. After one full week of testing and three weeks of operations, Potomac Energy Services (PES) completed full inspection of the unit and verified that the restoration was effective.

Mr. Tesfaye also mentioned that inspectors from the District of Columbia Department of Environment and Energy (DOEE) completed the Annual NPDES Compliance Evaluation and Inspection of all permitted facilities on October 11 and 16, 2017. The two-day inspection included field inspection of treatment units and equipment and review of effluent sampling and laboratory procedures and records, discharge monitoring reports, Stormwater Pollution Prevention Plan

(SWPPP), and Operation and Maintenance (O&M) records. No major concerns were identified during the inspection. The Committee inquired whether a findings report would be shared with the Committee. Mr. Tesfaye responded that inspection reports generated by DOEE are submitted directly to EPA, but can be obtained from EPA Region III upon request.

The Committee commented on the slight, but steady increase in discharged Total Nitrogen (TN) since March 2016 and inquired if this was a concern. Mr. Tesfaye responded that the slight but steady increase was due to refractory dissolved organic nitrogen in the recycle liquid stream from solids processing.

The Committee also inquired as to how the reconciliation with PES regarding the performance issues with the CHP facility was coming along. Mr. Tesfaye explained that any reimbursement amount, associated with failure to comply with Digester Gas Electrical Power Production Guarantee, is included in the annual settlement and that DC Water has calculated the reimbursement amount for the contract year that ended on September 30, 2017. The claim, along with all supporting data, was submitted to the contractor and the Authority is awaiting a response. The Committee requested for more information regarding the details of the request submitted and general updates as the process moves along. Mr. Tesfaye responded that DC Water will provide the Committee with updates.

III. CIP QUARTERLY UPDATE

Mr. Paul Guttridge, Manager, Program Services, DC Water gave an update (by exception) on the fourth (4th) quarter report for fiscal year (FY) 2017 regarding DC Water's Capital Improvement Program (CIP). Current projected FY 2017 CIP disbursements through the end of October 2017 were 11% above the baseline. Of the six (6) CIP service areas, the two that are contributing to the baseline overage were the Wastewater Treatment and CSO service areas. Mr. Guttridge mentioned that there had been a change in terminology in the report regarding the 6-month look ahead section of Priority 1 projects. What used to be referred to as "Large Contract Actions" is now labeled "Significant Contract Actions". He stated that the 6-month look ahead for significant contract actions included the following projects:

- Small Diameter Water Main Rehab (SDWMR) 13a, and 13d
- B Street/New Jersey Ave Trunk Sewer Rehab and Cleaning
- Low Area Trunk Sewer Rehab
- Potomac Project 1(G1) PR-A

The Committee inquired how KPIs that are more than one month late are reported. Mr. Guttridge replied that the report indicates if a KPI is more than one quarter late. The Committee next inquired if it would be worth considering adjusting the deadline dates for KPIs that are consistently late month to month or having a date range as opposed to a single deadline date. Mr. Guttridge responded that the suggestion will be taken into consideration.

The Committee requested that future reports include updates regarding change order rates and general contract management performance. Mr. Guttridge replied that future updates will include the suggestion.

IV. ACTION ITEMS

JOINT USE

1. Contract No. 17-PR-DIT-06A – Advance Digital Systems, Inc. (ADS) IT Professional Services
2. Contract No. 17-PR-DIT-06G – Networking for Future, Inc. (NFF), IT Professional Services
3. Contract No. 16-PR-DMS-43 – Electric Motor & Contracting Co., Inc. (EMC), Repair and Rehabilitation of Various Process Assets
4. Contract No. 16-PR-DSS-63 – Underground Utility Locating and Marketing
5. Contract No. 15-PR-DWT-35 – Polydyne, Inc., Supply and Delivery of Polymers
6. Contract No. DCFA #445-WSA – O'Brien & Gere Engineers, P.C., Poplar Point Pumping Station Replacement
7. Contract No. 160150 – Mobile Dredging & Video Pipe Services, Inspection and Cleaning of Oxon Run

Mr. John Bosley, Chief Procurement Officer, DC Water, presented Action Items 1 to 5.

Action Items 1 and 2:

Mr. Thomas Kuczynski, Chief Information Officer, DC Water explained to the Committee that the Department of Information Technology has eleven (11) different contractors offering different services to fulfill the varying needs of the department. The department allocates funds across the contractors to fulfill its needs but the overall department budget is capped and does not change.

The Committee requested an update that shows how the funds are being allocated across the different IT contracts. Mr. Kuczynski replied that such an update will be provided.

Later in the meeting, the Committee also requested DC Water provide update on its enterprise-wide IT strategy & vision. Mr. Kuczynski replied that such an update will be provided during the next committee meeting.

Action Item 3: Request to execute contract for the repair and rehabilitation of various process assets. The scope covers major overhauls and preventive maintenance necessary to ensure the availability of identified equipment for reliable operation.

The Committee inquired as to why the contract was bid with an option for 2 years as opposed to having a single contract for 2 years. Mr. Bosley replied that having option years gives DC Water the ability to terminate a contract in the event there are performance issues after the first year.

Mr. Len Benson, Chief Engineer, DC Water presented Action Items 6 and 7.

Action Item 6: Request to execute a Supplemental Agreement contract to provide engineering design and related services for a new pumping station to replace the existing Poplar Point Pumping Station.

The Committee inquired if there were thoughts of claiming liquidated damages, given the performance issues of the contractor. Mr. Benson replied that the contract does provide for claiming liquidated damages but any further discussion into specifics would probably warrant an executive session. The Committee also inquired what the ramification of missing the consent

decree driven project completion deadline would be. Mr. Benson replied that there are penalties that are stipulated in the consent decree that would be enacted unless DC Water establishes force majeure.

The Committee requested DC Water provide an update on strategies being implemented by the Authority to successfully meet all consent decree project deadlines. Mr. Benson replied that such an update will be given to the Committee during the next meeting.

The Committee recommended the joint use action item to the full Board.

V. WASHINGTON AQUEDUCT UPDATE

Mr. Tom Jacobus, General Manager, Washington Aqueduct (WA) presented an update on the activities of the agency to the committee. He began by stating the service area under the jurisdiction of the WA included three wholesale customers, namely, DC Water, Arlington County and Fairfax Water which is comprised of 1 million customers and covering an area of 147 square miles. The water for this service area is supplied in its entirety from the Potomac River. There are two raw water intakes, one located at Great Falls and one at Little Falls.

The Dalecarlia Reservoir serves as a primary sedimentation basin. A portion of the water from the reservoir is treated at the nearby Dalecarlia Water Treatment Plant and distributed via transmission mains. The plant treats approximately 100-160 million gallons per day (MGD). The remainder of the water from the reservoir flows to the Georgetown Reservoir in Georgetown. This facility serves as an additional sedimentation basin. The water then flows to the treatment facility at the McMillan Reservoir. The McMillan Treatment Plant treats between 60 to 120 MGD.

Mr. Jacobus next discussed the governance of the WA. It has been owned and operated by the US Army Corps of Engineers since 1853. The WA is not federally funded, has no profit and no retained earnings. The cost of its operations and maintenance (approximately \$48M/year) is passed on to customers as a water rate. Approximately \$14-15M/year of capital costs are allocated to customers. The strategic direction and budget of the WA is approved by its wholesale customers and it is regulated as a community water system by the U.S. Environmental Protection Agency (Region 3).

Next, Mr. Jacobus stated the priorities of the WA as follows:

- Deliver safe, reliable and cost effective drinking water
- Operate for the benefit of the wholesale customers and the nation's capital
- Continually improve operational excellence
- Recruit and retain exceptional employees

Mr. Jacobus stated that the WA is classified by the US Army as critical infrastructure. He also discussed the possibility of the Travilah Quarry located in Rockville, Maryland being used as an alternate reservoir location. The Committee inquired as to the type of incidents that might result in the Potomac River water supply being not available. Mr. Jacobus replied that the type of incident being considered is something akin to a chemical spill, accidental or otherwise.

Mr. Jacobus also discussed potential advanced treatment processes that could be implemented by the WA.

The first phase of the advanced treatment plan will increase reliability and resiliency by incorporating ozone and biologically active filtration at McMillan and incorporating ultra-violet (UV) at Dalecarlia. By incorporating the above, the second phase of the advanced treatment will also enhance pathogen removal and make treatment at both plants equivalent. The Cost for phases 1 and 2 is estimated at \$142M and \$149M, respectively.

Mr. Jacobus mentioned that there is currently a plan by the Office of Management and Budget (OMB) to submit legislation to the US Congress describing a divestment procedure. Mr. Jacobus concluded by stating that as was done in 1995, the WA will continue to do its job carefully and efficiently and continue to make improvements while others decide on a best course to follow.

The Committee inquired if the cost of these potential advanced treatment plans would be covered by the rate payers. Mr. Jacobus replied that WA has only one source of operational income, and as such, these projects, if approved, would be funded by rate payers.

VI. PRESSURE ZONE IMPROVEMENT PROGRAM (A2H PZIP)

Ms. Deidre Saunders, Manager, Construction gave an update on the Anacostia 2nd High Pressure Zone Improvement program. She stated that the purpose of the program was to address historically low water pressure in areas of southeast DC and improve system reliability, increase water pressure and improve fire flows. The program will solve these issues by creating a new pressure zone by dividing Anacostia 1st High into Anacostia 1st High and Anacostia 2nd High, and raising water pressure in Anacostia 2nd High by 22 psi.

Ms. Saunders mentioned that there are two capstone projects currently under construction, namely, the St. Elizabeth 2 million gallon elevated water tower in southeast DC and the PZIP valve installation program. The tank is made of composite pedestal and steel with an overall height of 152 ft, a 98 ft diameter tank and a 48 ft diameter concrete pedestal. Regarding the PZIP program, Ms. Saunders mentioned that as of November 11, 2017, there were 861 signed agreements with 413 PRV installations completed.

Next, Ms. Saunders stated the following key project tasks were ongoing:

- Anacostia Pump Station readiness testing
- Transmission mains and boundary valves verification
- Continued construction of St. Elizabeth's 2 MG water tower and connecting 24-inch transmission main, and
- Continued public outreach

VII. ADJOURNMENT

Meeting adjourned at 11:38 a.m.

Follow-up Items

1. Assistant General Manager, Blue Plains: Provide detailed update regarding the reconciliation/settlement efforts with PES that resulted from the performance issues with the CHP facility.
2. Manager, Program Services: Provide updates regarding change order rates and general contract management performance as part of the next CIP quarterly update.
3. Chief Information Officer, DC Water: Provide an update that shows how funds are being allocated across the different services contracts within the Department of Information Technology.
4. Chief Information Officer, DC Water: Provide an update on the Department's enterprise-wide IT strategy & vision during the next EQO Committee meeting.
5. Chief Engineer, DC Water: Provide an update on strategies being implemented by the Authority to successfully meet all consent decree project deadlines.



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

Board of Directors

DC Retail Water and Sewer Rates Committee

Tuesday, November 14, 2017

9:30 a.m.

MEETING MINUTES

Committee Members in Attendance

Rachna Butani, Chairperson
Tommy Wells, Chairman
Howard Gibbs
Reverend Dr. Kendrick Curry
Anthony Giancola
David Franco
Sarah Motsch
Ivan Frishberg

DC Water Staff

George Hawkins, CEO & General Manager
(conference call)
Matthew Brown, Chief Financial Officer
Henderson Brown, General Counsel
Linda Manley, Secretary to the Board
Jon Davis, Raftelis Financial Consultants

Call to Order

Chairperson Butani convened the meeting at 9:30 a.m.

Review of Rate Setting Policy (Attachment A)

Mr. Brown opened the presentation by stating that Mr. Gibbs had requested the rate policy review discussion. Mr. Brown briefed the Committee on rate design, and on Board policies regarding rates. He explained that the costs of operational expenses, capital expenses, and debt services must be recovered with rates. Debt service is growing due to tremendous amounts of investments made in the plant assets. Debt service makes up about 33 percent of DC Water's budget and is a substantial fixed cost.

DC Water looks at expenses over a ten year period in the financial plan to determine the net revenue requirements. The total revenue requirements less miscellaneous revenues i.e. interest, miscellaneous fees, etc. gives us our net revenue requirement, which we raise through our rate structure.

DC Water has two different rate components. The volumetric water and sewer rates are based on customer usage. DC Water has incorporated over the past several years a number of fixed fees like Customer Metering Fee and Clean Rivers IAC. The customers pay fixed fees regardless of the volume of water used.

Mr. Brown presented the background slide on the prioritized list of the pricing objectives to guide the rate-setting policy. Some of the pricing objectives are: financial sufficiency, affordability, revenue and rate stability, defensibility, etc. He further noted that the cost of service rationale attempts to recover costs in

proportion to the use of the system, and by recognizing the impact of each class on system facilities and operations.

Mr. Brown stated that each customer class generates different costs because their use and demand characteristics are different. DC Water works to structure our rates in a way where user classes are not subsidizing other classes. He noted that the water and sewer rates and the Clean Rivers Impervious Area Charge (CRIAC) are adjusted every three years. Staff will work with Mr. Jon Davis, Raftelis Financial Consultants to ensure that all the costs are captured for water and sewer rates and the CRIAC. DC Water charges the Customer Metering Fee to recover the costs of the metering service. The Water System Replacement Fee (WSRF) is based on the size of the meter and average flow where we raise approximately \$40 million a year to replace one percent of water service lines.

Mr. Brown informed the Committee that the Board has made statements about rates and rate policies through resolutions and the annual budget and multi-year rate adoptions. The Board has shown particular concern about low-income customers and has addressed through the Customer Assistance Program (CAP). He noted that the first resolution on rates was in 1997 which stated that DC Water will strive to set rates and fees based on the actual cost to deliver each service and through a cost of service study every three years. He further stated that DC Water would meet the bond covenant requirements, set rates based on a ten-year forecast of operating and capital budgets, implement required rate increases in a gradual and predictable manner and will establish a Rate Stabilization Fund (RSF) to assist in mitigating annual rate increases. The RSF currently has \$61.45 million dollars and at this point it is being reserved for 2026 when costs are expected to spike because of the Clean Rivers Program.

Mr. Brown stated that in 2010, DC Water hired Mr. Jon Davis, Raftelis Financial Consultants to develop and make recommendations for updating DC Water's existing rate setting policies. The Board adopted a different rate policy resolution on December 15, 2010 that included many of the same pricing objectives in the existing resolution. He mentioned that the Committee sought to identify and prioritize the major objectives while striving to achieve a reasonable balance between costs, cost allocations, customer impacts and other considerations in reaching rate decisions.

Mr. Brown mentioned that in 2014, DC Water's Board adopted a resolution on general principles of affordability for low-income customers. The resolution incorporated into policy the consideration of rate impacts on low-income customers, explorations of affordability alternatives and development of a more innovative rate structure to reduce the economic burden on low-income customers.

Mr. Franco inquired about the CRIAC spike in FY 2026 and substantial increase in charge. Mr. Brown replied that the rate for the CRIAC was developed four years ago and took into consideration the Clean Rivers project expenditures and debt issued to pay for the Clean Rivers project over the next ten years.

Mr. Hawkins mentioned that DC Water re-opened the Clean Rivers consent decree to enable green infrastructure as part of the solution. DC Water has negotiated with the Environmental Protection Agency (EPA) to extend the project completion by an additional five years to 2030. It may well be possible to get another extension.

Mr. Gibbs mentioned that since there are new members on the Board, he asked for the rate setting policy review presentation. He noted that it has been a while since these policies were adopted and while he does not think that they need to be revised, a review is needed.

Chairman Wells asked what portion of the revenue over expense reflects the RSF. Mr. Brown responded that the RSF has been built up over several years. Last year the Board made the decision to add \$10 million to the RSF that was achieved through revenue surplus and expenditure savings. It was the majority of the last year's surplus and was not an amount that was accumulated in a single year. Mr. Wells asked how does DC Water present the accounting of the RSF to the Board. Mr. Brown replied that

it is presented as part of the budget process. Mr. Hawkins said that the staff reports the balance of the RSF each month to the Finance Committee.

Chairperson Butani asked when the Committee will review again the rate setting policy. Mr. Brown responded that it is the Committee's decision.

Impervious Surface Area Charge Discounts/Credits - Utilities Comparison (Attachment B)

Mr. Brown introduced Mr. Jon Davis, Raftelis Financial Consultants to brief the Committee on the Impervious Surface Area Charge Discounts/Credits - Utilities Comparison presentation. Mr. Brown gave a brief update on the new Customer Information System (VertexOne). There is a new field that is being implemented now in the system that will be populated in the new system to help segment customers. To do analysis, DC Water staff have undergone a manual process in the existing ECIS on customer classes.

Mr. Davis mentioned that Raftelis had looked at peer utilities across the country and how they are handling similar issues and price breaks that they give to customers. Raftelis also looked at Combined Sewer Systems similar to that of the District of Columbia. The objectives are: 1) assess impact of the CRIAC upon certain customer segments, 2) develop an idea of whether relief is needed or warranted, 3) determine how revenue will be impacted by any customer relief program and 4) develop cost recovery alternatives for consideration.

Mr. Davis stated that the impervious area charge is more common within the utility industry due to 1) Municipal Separate Storm Sewer System (MS4) programs and 2) Combined Sewer System Programs. The majority of impervious area charges are used to fund MS4 program activities rather than combined sewer system operations and maintenance. Mr. Davis mentioned that Raftelis was asked by the Committee to look at segmentation on specifically non-residential customer groupings which are typically non-profit organizations, religious organizations, schools and universities etc. with respect to the new ECIS.

Mr. Davis explained the different types of price breaks that water and sewer utilities offer their customers. The first and most common type of price break is a "Credit" which is a conditional reduction in the fee if the customer performs some activity that reduces stormwater or volume and/or protects water quality. Credit programs are built on a cost-of-service foundation.

Mr. Davis described the second type of price break "Exemptions". A customer that is not subject to the impervious area charge based on some specified characteristic or status. Exemptions are typically implemented when the fee is first created. They do not have a cost-of-service foundation. In other words, there is not a cost rationale for providing an exemption and it is done for other reasons. There is a tremendous investment of identifying the customer groups. Since there is no cost-of-service justification, there is some concern about legal defensibility. In the City of Jacksonville, Fl., charitable organizations (including churches), as defined by the Internal Revenue Code Section 501 (c) (3), are exempt from paying stormwater fee. The City also has exemption for low-income customers.

Mr. Giancola asked about case laws on the legal defensibility on price breaks. Mr. Henderson Brown replied that the General Counsel office will provide a response. Reverend Dr. Curry asked Raftelis to provide some more detail information about the Jacksonville, FL example where the city created a program to exempt charitable organizations including churches. He also asked Raftelis to prepare some comparisons of cities similar to the District of Columbia, not just peer groups, similar to size along with programs that help our similar demographics i.e. social economic, race, class, etc. Mr. Franco asked if it is correct to assume that DC Water is currently not employing any of the price breaks. Mr. Brown responded that DC Water provides discounts to customers enrolled in Customer Assistance Program (CAP) and the Clean Rivers Discount Program. Mr. Franco inquired if there are utilities that provide multiple price breaks. Mr. Davis replied that aside from the credits which are fairly common within the industry, there are no utilities that provide multiple price breaks. Mr. Franco asked if DC Water measures up to other utilities that provide a credit program. Mr. Davis replied that DC Water's credit program is comparable to other utilities with the same criteria. Mr.

Hawkins stated that Cleveland, OH. has a \$3.5 billion Combined Sewer Overflow (CSO) Program similar to DC Water. Cleveland, OH. spreads the costs of the CSO program over the entire system including the suburbs outside of the city which is a much broader rate base. The biggest challenge at DC Water is the historical boundaries of the District which translates into a smaller rate base.

Mr. Davis continued his presentation with the third price break "Discounts". A discount is a non-conditional reduction in the fee based on some specified customer characteristics or status. Discounts are typically implemented when the utility is first created. They do not have a cost-of-service foundation. Discounts are very similar to exemptions where it does not have legal defensibility. Mr. Davis noted in the Baltimore example that when they implemented their stormwater fees MS4, and not a CSO, it was done based on the direction by the state of Maryland and the legislation exempted kindergarten through 12th grade institutions as well as other state entities. The total discount is approximately \$150,000, which is relatively small to DC Water's Clean Rivers program. Chairperson Butani inquired that since some of the price breaks are implemented at the beginning of the rate setting, do these go away or continue over time. Mr. Davis replied that they are implemented at the beginning of the program. Reverend Dr. Curry inquired if Raftelis looked at the total number of houses of worship in Baltimore and how they compared to the number in the District of Columbia. Mr. Davis replied in the negative. He further noted that in case of Baltimore, the definition of houses of worship is very narrowly defined and the exemption applies to the worship space and not the entire property.

Mr. Davis continued his presentation with the fourth price break "Cap". A Cap establishes a maximum impervious area charge or sets a maximum fee before customer are eligible for credits. Caps do not have a cost-of-service foundation.

Most utilities give discounts or price breaks in communities with a combined sewer system and stormwater program. There are no utilities that provide a separate discount on CSO. Discounts or price breaks associated with combined sewer and stormwater programs are small and their revenue impact is not significant. Most utilities that provide price breaks are much smaller than DC Water.

Mr. Davis stated that on the CSO community's chart, DC Water is comparable to other peer utilities with CSO programs. Mr. Davis concluded the presentation with a summary review and next steps.

Mr. Gibbs inquired when would DC Water be able to identify customer classes in the new ECIS. Mr. Brown replied that the existing ECIS system only allows DC Water to identify three customer categories 1) residential, 2) multi-family and 3) non-residential. The new ECIS is being implemented now with a go-live date in December. There will be an additional field to be populated with customer segments and this will allow DC Water to gather data on customers. Since there has been so much focus on this issue, staff has down-loaded 135,000 lines of customer data from the existing ECIS in excel and have segmented the customer data manually from an initial list of fourteen customer segments (churches, cemeteries, non-profits, etc.).

Chairman Wells inquired whether peer cities operate hardship programs not based on rates but on other criteria. Mr. Davis replied that it is very common in particular with the DC Water peer group.

Mr. Giancola asked how effective are the current credit programs under the Department of Energy and Environment (DOEE). Chairman Wells replied that one can get up to a 55 percent discount on the stormwater fee, which is far less than the CRIAC, based on implementing capture activities compared to the 4 percent for the CRIAC.

Review of Combined Domestic and Unmetered Fire Service Lines (Attachment C)

Mr. Brown briefed the Committee on the background of the Water System Replacement Fee (WSRF). He noted that the WSRF is anticipated to generate \$40 million annually to recover the costs of the 1 percent renewal and replacement program for aging water infrastructure. The WSRF is based on the meter size

and average usage. There are three basic configuration of water delivery: 1) Domestic Service Only, 2) Combined Domestic Service and 3) Unmetered Fire Service. Mr. Brown stated that there have been a couple of concerns brought to the Committee and the Board in relation to the WSRF. The Chain Bridge Road Corporation has a single connection on their property with a domestic service for the households and private hydrants. The meter was sized larger than need for domestic service due to the fire suppression. The Board took action to amend the customer classifications, definitions and WSRF regulations to modify the meter size excluding fire suppression for the private developments.

Mr. Brown informed the Committee that Black and Veatch was hired to: 1) define an alternative approach to assess the monthly WSRF for the 179 combined domestic service meters and their annual revenue impact. 2) Develop an estimate of the total number of unmetered fire lines that are likely in the DC Water system and determine the annual WSRF and Base Fee revenue impact of assessing these two fees on the unmetered fire lines.

Mr. Brown briefed the Committee on the study approach. The combined domestic meters approach was to look at the methodology on the average consumption for domestic usage and what would be the up size for the fire component. The unmetered fire service lines approach was to look at what could be a methodology that would be equitable and fair. The study provided an alternative that estimated 25 percent of the unmetered fire service line size might be an equitable way to charge customer the WSRF. Mr. Brown stated that the combined domestic meters approach is sound but more work needs to be done on the unmetered fire service lines approach. Mr. Brown stated that the potential revenue impact of the combined domestic meters would be a reduction from the existing annual fee of roughly \$1.2 million. Staff is not yet comfortable in making a recommendation to the Committee on the estimated 25 percent for the unmetered fire service lines.

Mr. Brown mentioned that the next steps are to: 1) update engineering standards to ensure consistent configuration with separate domestic and fire service, 2) develop a comprehensive, verified inventory of unmetered fire service lines and 3) evaluate an appropriate flow-based fee structure for private fire hydrants. DC Water estimates these actions will be completed in two years, and will simultaneously develop necessary regulatory amendments.

Mr. Gibbs asked what kind of updated standards are required. Mr. McDermott replied that the standards that we use are dictated by Department of Consumer and Regulatory Affairs (DCRA) and the adoption of the International Plumbing Code (IPC).

Mr. Giancola asked if DC Water has any inventory on the unmetered fire service line and can it be verified in-house or will have to be outsourced to the contractors. Mr. Brown stated that DC Water can do the verification of the unmetered fire service in-house.

DC Retail Water and Sewer Rates Committee Workplan (Attachment D)

Mr. Brown briefed the Committee on the 2018 Workplan and pointed out a few high priority items.

Mr. Franco inquired that DC Water had several different studies to evaluate potential policy changes and potential impacts, so how these studies fit or line up with the Committee's specific work because in January there will be a new budget proposal which drives policy changes. Mr. Brown mentioned that various studies such as the Fire Protection Cost of Service Fee, the Clean Rivers Impervious Area Charge (CRIAC), and the Water & Sewer rates will provide an estimate which will be included in the January 4th budget presentation. These studies will not be final, but staff will be working with Mr. Davis and his team from Raftelis (RFC) very closely to ensure that DC Water reflects the best information about those studies in the proposed budget. The Committee and the full Board will then consider all of these items during the month of January when the budget is presented.

Copy of the FY 2018 VertexOne Customer Bill (Attachment E)

Mr. Brown presented to the Committee a copy of the new VertexOne bill.

Agenda for October 24, 2017 Committee Meeting (Attachment F)

There were no comments on the October agenda.

Executive Session

The committee made a motion to go into executive session.

Adjournment

The meeting was adjourned at 12:35 p.m.

FOLLOW-UP ITEMS – DC Retail Water and Sewer Rates Committee Meeting (November 14, 2017)

- 1.) Debt service costs and how DC Water compares with peer utilities. (Mr. Giancola) **Status:** (Finance & Budget December 2017)
- 2.) Compare SFR Monthly Bill for Utilities with CSO Programs chart to include DC Water's direct peers. (Chairperson Butani) **Status:** (TBD)
- 3.) Provide case laws on the legal defensibility on price breaks. (Mr. Giancola) **Status:** (Henderson Brown, General Counsel)
- 4.) Provide a copy of the FY 2015 Cost of Service study report showing the allocation breakdown of water and sewer cost for the sewer system and CRIAC. (Mr. Franco) **Status:** (November 2017)



**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**

Board of Directors

Finance and Budget Committee

Tuesday, November 14, 2017

11:00 a.m.

MEETING MINUTES

Committee Members

Tommy Wells, Board Chairman
Sarah Motsch
David Franco

DC Water Staff

Matthew T. Brown, Chief Financial Officer
Henderson Brown, General Counsel
Linda Manley, Board Secretary

Other Board Members

Howard Gibbs

Call to Order

Ms. Sarah Motsch called the meeting to order at 1:00 p.m.

October 2017 Financial Report

Mr. Matthew Brown, CFO, provided the monthly report by exception noting that DC Water is on track and in line with budgetary expectations. With approximately 8.3 percent of the fiscal year completed, total operating revenues are at \$65.3 million, or 10.6 percent of budget, operating expenditures at \$40.7 million, or 7.2 percent and capital disbursements at \$42.5 million, or 11.0 percent of budget in the respective categories. Mr. Brown noted at this early stage in the fiscal year, there are no significant variances in revenues, operating expenditures or capital disbursements to report.

In response to Chairman Wells' enquiry on higher revenues, Mr. Brown explained that the Federal Government had made its first quarterly payment and the wholesale customers' quarterly payment anticipated in November.

Mr. Brown reviewed the remaining agenda items by exception, noting that they were updates to the Committee on the FY 2017 performance of the capital improvement program and Environmental Impact Bond.

Adjournment

Hearing no further business, Ms. Sarah Motsch adjourned the meeting at 1:03 p.m.



CEO and GENERAL MANAGER'S REPORT

George S. Hawkins – December 2017

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Interpretation of Charts A

Color Key

<p>Red</p> <p>Yellow</p> <p>Green</p> <p>Gray</p> <p><transparent></p>	<p>Did not meet Target</p> <p>Missed Target but within acceptable range</p> <p>Met/Exceeded Target</p> <p>Budget/Target Value</p> <p>Green/Yellow/Red based on comparison</p>
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Message from the CEO/GM

I admit feeling a host of emotions as I sit to write my final narrative as General Manager of DC Water. Yet the onrush of events holds for no man or woman, so here goes!

Gratitude

I want to start with the emotion that seems to wash over me most often as I consider the last 11 years – which is gratitude. And if that period of time surprises some of you, I served as a Board member of DC Water for more than 2 years before I applied to become the third General Manager in DC Water's history. I am profoundly grateful for the opportunity the Board has given me to lend my hand to this great enterprise and its vital work. I was not a conventional choice to lead a utility, particularly since I had never worked for one before joining Team Blue in 2009. Moreover, I know I would have failed miserably if so many folks had not stepped forward from the Board and staff to help me along the way. I risk not including so many who deserve recognition by naming any – but I did want to offer my special thanks to all the Board Chairs I have served – Robin Martin, Willy Walker, Allen Lew, Matt Brown and now Tommy Wells – an all-star cast of leadership.

The DC Water Board has been distinguished in its ability to exercise careful and substantive oversight of our public purpose and public purse, while also providing support and leadership to the hardy men and women who carry out this work. In most meetings, a visitor is not able to tell which jurisdiction a Board member represents, or what interest he or she has in their "day" job. In my experience, it is a rare organization that can rely on the strength of its governance, and that strength radiates throughout the day-to-day work. I'd like to list dozens of Board members who serve(d) with great distinction, but the list would be long. I would like to thank Tony Griffin for mentoring me early in my tenure, and Tim Firestine for providing a bedrock of financial acumen throughout, and Ellen Boardman, Rachna Butani Bhatt, David Lake, Dave Patteson and Howard Gibbs for being the Board's conscience in so many respects. And how can I not remember David Bardin, Alan Roth and Brenda Richardson, among so many others?

I also look back with good humor on my start at DC Water. I hoped I hid the panic I felt, because the daunting task of leading the enterprise while raising rates, starting to update water infrastructure while building mammoth tunnels truly scared me. Yet I learned early on that no matter how hard the task, problem or challenge, the people of DC Water answer the call. I was welcomed from day one, received invaluable advice from folks from every part of the enterprise, and developed a deep affection for everyone, even those with whom I disagree from time-to-time. Again, I risk omitting worthy folks by naming any, but I will always remember the humble excellence of Walt Bailey, the unique combination of careful analysis with heartfelt commitment of Len Benson, the business-like drive of Charles Kiely, the quiet confidence inspired by Tom Kuczynski, and the daily brilliance of Mark Kim. My success is premised on the excellence of so many others and I have been blessed to rely on the Super Bowl team including the indefatigable Mustaafa Dozier, wise Henderson Brown (and Randy Hayman before him), our external affairs gurus Alan Heymann and John Lisle, and some of the most progressive public servants anywhere in Biju George, Aklile Tesfaye, Rosalind Inge and John Bosley – not to mention Katrina Wiggins and Olu Adebo.

I recall the first day (a Saturday) that I arrived at Blue Plains as GM – and met Lisa Barton. In the eight years since, we have become the closest of friends, and I realize how much of my success has been founded on her commitment to the organization, the people we serve, and me. She has a work ethic that is second to none – and takes every challenge that comes with an absolute conviction to find a solution. Moreover, I am blessed to work with someone I trust, and in that vein, someone who will tell me what I need to hear, even when I do not want to hear it. Lisa Barton is a marvel and a great asset for

Message from the CEO/GM

DC Water, and I will miss her dearly. I wish I could also highlight all the members of the GM's office who have served me so well – I hope they know how much I appreciate the A game they bring every day. Last but not least, I am certainly grateful to my family. Jobs of this nature are so demanding that it is impossible not to bring them home. I think I have walked, talked and breathed DC Water issues almost every waking hour for so long, I can hardly remember what it was like before. I believe, though, that the core of an individual does not come from work, but from the love and care of family. On that score I am fortunate beyond words. So, to Natalie, Alexander, Lydia, Lily, Dorothy, Parker and Willow – you make me complete and I share all I have done at DC Water with you!

As I have said and written many times, it has been the privilege of a lifetime to serve DC Water, its Board and staff, and all our retail and wholesale customers. You can take me out of DC Water, but you can't take DC Water out of me! I will carry you with me always.

Oversight Hearing and Mayor/Council Breakfast

Clearly the dominant issues in my final months have revolved around the combination of our rate increase that was effective on October 1 (5% for water and sewer rates, higher for the Clean Rivers Impervious Area Charge - CRIAC) and the change-out of our meters, metering transmission units and customer information system. These topics were the subject of a hearing before the Committee on Transportation and the Environment chaired by Councilmember Mary Cheh, with attendance by CM Todd and CM Nadeau, and staff from several other Council offices. Proposed legislation to provide financial support for low income residents to replace their lead service lines was also on the agenda. There were six panels of witnesses before I testified. There was a wide range of commentary, with the most prevalent issue pertaining to the high cost of the CRIAC to certain customer classes – particularly owners of large lots. As a practical matter, many of these landowners are churches and cemeteries. I was struck by the heartfelt stories of institutions that are cutting back on their services to the community to pay for the CRIAC fee. I was also struck by the reality that a representative of every customer class testified about their concerns about our rates – residential, commercial, multi-family – and several subgroups within these categories. I was also heartened that several panelists testified in favor of DC Water's work. A highlight was the dramatic testimony of our own former Board member Alan Roth, who emphasized the care with which the Retail Rates Committee has developed these rate proposals, and how difficult it is to reduce rates on one group, only to raise them on everyone else.

Matt Brown joined me at the table to testify, and Charles Kiely came forward at a critical moment to explain how we are billing customers with new meters in the context of previously estimated bills. For the first time, I testified by following a powerpoint – one that is based largely on the Town Hall presentations we do in the Spring. After testifying, there were multiple rounds of questions from the Council Members – totaling I think about 90 minutes on the stand. We reviewed the history and current status of the CRIAC and the pros and cons of various alternative rate approaches. My sense is that the consensus is that the CRIAC is still the most equitable way to raise the funding necessary for the Clean Rivers project – with two potential solutions. I outlined both in last month's report – one being a funding source created by the District to support certain customers defined by them (likely churches and cemeteries) and the second being a credit or discount offered by DC Water for lots with a high percentage of pervious cover in comparison to the assessed impervious cover. The assumption in the latter case is that much of the stormwater generated in lots with high levels of open land will be absorbed on site. Of course, we need to be mindful of the ultimate justification for our rates and charges – that everyone enjoys the benefit of the project. There was also widespread support for financial assistance for low income households to replace private side lead lines along with a robust lead in water disclosure regime.

Message from the CEO/GM

System Availability Fee

A related although separate issue was also raised at our recent Retail Rates Committee meeting. Concerns have been raised about a fee that is scheduled to go into effect as part of our permitting process on January 1, 2018. The System Availability Fee (SAF) requires that new developments pay a fee to “buy in” to the infrastructure that has been built to date by all the ratepayers that have come before. SAF fees are common in our industry and are charged by all the major water utilities in the region. Two questions have surfaced: 1) should a developer get any credit on the SAF if they are paying for a significant part of the infrastructure upgrades in the public space that is needed to serve the development, and 2) should DC Water consider the consequence of this fee on the viability of developments that are all or significantly oriented toward affordable housing. These topics are the main focus of meetings we are holding with key members of the Mayor’s Administration and our Board Chair.

I admit I was skeptical of these challenges when I first learned of them – both because we had had a full and fair process before adopting them last year, and because of the last minute nature of the challenge. However, I am struck by the explanation given by the Deputy Mayor for Planning and Economic Development – which was to highlight that the redevelopment of Barry Farms – an area I think we all would agree needs improvement – would cost \$4 million in SAF fees, far higher than any comparable commercial development due to the multiple connections each being charged the fee. I am not sure any of us sought to impose an additional \$4 million cost on a mostly affordable project. For me, I am not swayed much by concerns for the developers per se because I believe the fee is fairly constructed and fairly applied. I am concerned about costs that deplete limited District funding for affordable housing. Henderson Brown is analyzing how we might be able to postpone the implementation of the SAF to consider this issue of multiple connections and affordable housing – to be sure our effort does not have any unintended consequences. I think a hallmark of the work of the Board and staff of DC Water is that we try to get things “right.” I am not sure we have it right in this case, and think we should probably take the time to make sure.

Blue Drop

Bloom

	Oct	YTD
Tons diverted	540.72	8260.10
Cost of tons (\$43/ton)	\$23,250.96	\$355,184.19
Cost Savings to DC Water	\$15,467.50	\$262,377.90
Revenue to Blue Drop	\$1,849.23	\$24,343.58
Marketing cost \$5/ton	\$2,703.60	\$37,701.23
Hauling costs	\$5,079.86	\$55,416.52
Bloom Cost to DC Water	\$7,783.46	\$92,806.30

External Affairs

Government Relations

- The government relations team invested a lot of energy into preparing for the Green

Message from the CEO/GM

Infrastructure kickoff event in Ward 4, working closely with partners on the Council, with the Mayor's office and with DOEE. There were many logistics to coordinate to make the event come together so well.

- The biggest focus this month however was the complex and important DC Council hearing held to review DC Water rates and fees, along with the recently introduced legislation by Council member Brienne Nadeau to create a voucher program for DC homeowners who want assistance replacing their lead service lines. The testimony for George, along with numerous supporting documents and other pieces of information had to be gathered and organized into a format useful for the GM. In addition, there were multiple meetings with Council staff about logistics for the hearing.

Media Relations

OEA planned and hosted a press conference to celebrate the first green infrastructure projects in the Rock Creek watershed. Mayor Bowser and other elected officials spoke and several news cameras were in attendance. This event celebrated the implementation of rain gardens (bioretention), permeable parking lanes and alleys, and other innovative GI techniques that will not only bring environmental benefits, but will also assist in neighborhood beautification.

Press Releases

- Nov 13: DC Water walk-in payments at Global Express Centers temporarily suspended
- Nov 9: Traffic Advisory - DC Water Annual Storm Drain Cleaning Brings Closure to Canal Road, NW between Foxhall Road and Arizona Avenue
- Nov 6: Reminder: DC Water's System Availability Fee is Effective January 1, 2018
- Oct 24: Safely Get Rid Of Old Medications During Drug Take Back Event
- Oct 23: DC Water and District officials kick off green projects to improve the health of Rock Creek and the Potomac River
- October 16: DC Water Hires New Watershed/Water Quality Chief

Media Coverage

- [Skyrocketing DC Water Bills Leave Some Customers Unable to Pay](#)
(WRC-4 / October 23, 2017)
- [Historic D.C. Cemeteries in Jeopardy of Closing Due to Growing Water Bills](#)
(WRC-4 / October 25, 2017)
- [DC Water to Assess Fairness of Skyrocketing Fees After News4 I-Team Investigation of Surging Bills](#)
(WRC-4 / October 26, 2017)
- [Investors bullish on potential for sustainable infrastructure](#)
(Greenbiz / November 7, 2017)
- [D.C. Councilman Proposes Relief for Cemeteries Buried in Skyrocketing Water Bills](#)
(WRC-4 / November 8, 2017)
- [Why D.C. Water's impervious area charge is important](#)
(Washington Post / November 15, 2017)

Drinking Water Marketing and Communications

- External Affairs staff assisted with several lead refresher training sessions for Customer Service staff. The training updated Customer Service staff on lead service line replacement protocol and general lead messaging. OEA is collaborating with the Drinking Water Division to update lead

Message from the CEO/GM

materials, including public presentations, and online materials.

- External Affairs staff attended the annual Potomac Drinking Water Source Protection Partnership (DWSP) meeting on Nov. 15 held by the Interstate Commission on the Potomac River Basin (ICPRB). OEA staff joined the Outreach and Communications subcommittee to plan internal and external stakeholder messaging for algal toxin monitoring, as required by the EPA's Unregulated Contaminants Monitoring Rule (UCMR 4) of the Safe Drinking Water Act.
- External Affairs staff was invited to participate in the Community Engagement Subcommittee to overhaul the Homeland Security and Emergency Management Agency's (HSEMA) 2018 Mitigation Plan. Staff will be involved in strategic messaging to gather public opinion to craft and promote the plan that will be submitted by fall 2018.
- The Office of External Affairs received and effectively responded to several inquiries regarding fluoridated water, lead concerns, and the Pressure Zone Improvement Project. OEA coordinated with the Drinking Water Division to ensure timely, accurate responses to public concerns.

Meetings/Presentations/Events

- DC Water attended the October monthly meeting of ANC 5E to provide a presentation on its Water Meter Rehabilitation Project, as it affects residents in that ANC area.
- DC Water attended the October monthly meeting of ANC 5C to provide a presentation on its Water Meter Rehabilitation Project, as it affects residents in that ANC area.
- DC Water attended a community meeting with members of the Great Falls Citizens Association and other area residents to provide updates on its Potomac Interceptor project.
- The media team helped coordinate an interview with George Hawkins and Mark Seagraves for a weekly news discussion program.
- The media team also organized an interview between Bay Journal Reporter Whitney Pipkin and George.
- DC Water hosted a "Lego League Ask A Professional Day" with students from some local schools. As the topic of discussion was hydrology, the activities for the day included three related activity stations staged in the Visitor Center classroom, presentation from DC Water staff representing the DC Clean Rivers Project, Drinking Water Division and Wastewater Treatment Department, and concluded with a 20-minute riding only tour of the Blue Plains Advanced Wastewater Treatment Plant.
- DC Water attended a meeting with the Asheford Court Homeowners Association to provide information on its Anacostia 2nd High Residential Pressure Reducing Valve Installation Project.
- DC Water attended the monthly meeting of ANC 4B to provide updates on its Green Infrastructure program.
- DC Water participated in the "Water Forum", hosted by members of ANC 4D. This community panel discussion primarily consisted of an information sharing session to get responses from DC Water and DOEE to mounting community questions and concerns surrounding water bills and the new water meters citywide, as well as flooding and drainage, particularly in Petworth-Brightwood. DC Water's panel group consisted of representatives from OEA, Engineering and Technical Services and Water Services (Meter Operations Division).
- In partnership with the Office of the People's Counsel, DC Water participated in its two-day "Energy Day in the Community" event. As its title implies, this event consisted of many local area utilities and other agencies coming together to share with customers information on their many services, programs, operations and challenges.
- DC Water attended the November monthly meeting of ANC 2F to present its Low Area Trunk Sewer Rehabilitation Project.

Message from the CEO/GM

- DC Water attended the November monthly meeting of ANC 6D to present its Low Area Trunk Sewer Rehabilitation Project.
- DC Water attended the November monthly meeting of ANC 5C to present updates on its Northeast Boundary Tunnel Project.
- DC Water held a Facebook Live event with 8th grade students at the Sheridan School, providing them with a virtual tour of Blue Plains. As for analytics, we reached a total of 1,765 customers, and had a total of 783 views.

Customer Newsletter

The November customer newsletter included articles on not flushing wipes, keeping fats, oils and grease out of pipes (holiday cooking) and a Spotlight on EdFEST, DC's annual public school fair. It also included an appeal for donations to SPLASH and a GM Message on the deployment by the DC Incident Management Team (including six DC Water staff) for Hurricane Irma response.

Tours

- 12 representatives from Air and Climate Public Advisory
- 50 representatives from Maryland Gov't
- 15 DC residents
- 17 residents of Richmond, Va.
- 3 GWU students
- 25 John's Hopkins students
- 12 representatives from Embassy of Argentina

Message from the CEO/GM

Social Media

 223,829 Impressions	 4,281 Engagements	 760 Link Clicks
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Group Audience Growth

■ FACEBOOK
 ■ TWITTER
 ■ INSTAGRAM

Audience Growth Metrics	Totals	Change
Total Fans	22,075	▲ 0.5%
New Facebook Fans	6	▲ 0.1%
New Twitter Followers	99	▲ 0.5%
New Instagram Followers	10	▲ 0.8%
Total Fans Gained	115	▲ 0.5%

Total followers increased by

▲ 0.5%

since previous date range

Message from the CEO/GM

Website

www.dewater.com

Sessions

68,697

Pages / Session

2.66

Avg. Session Duration

00:02:29

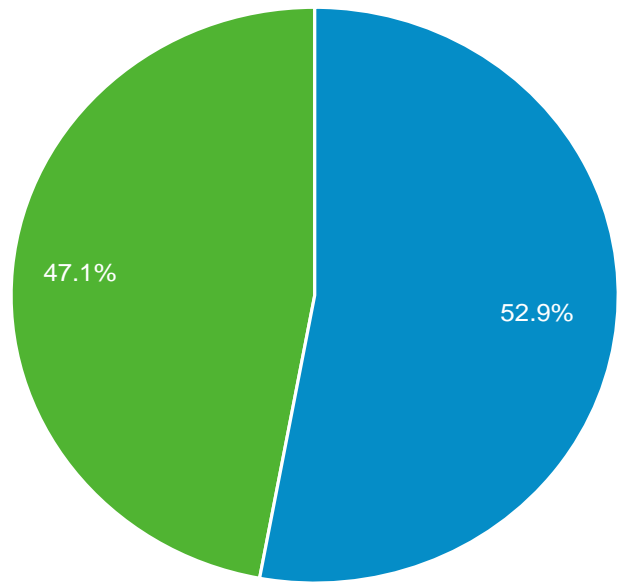
Bounce Rate

28.76%

Pageviews

183,067

■ Returning Visitor ■ New Visitor




Page	Pageviews	%Pageviews
1. /my-dc-water-upgrade	48,938	26.72%
2. /default.cfm	40,285	22.00%
3. /paying-your-bill	12,166	6.64%
4. /careers	7,865	4.29%
5. /contact	5,823	3.18%
6. /payment-and-billing	3,519	1.92%
7. /projects	2,266	1.24%
8. /rates-and-billing	1,800	0.98%
9. /board-of-directors	1,496	0.82%
10. /internal-job-board	1,410	0.77%

ORGANIZATIONAL PERFORMANCE DASHBOARD (October 2017)

Financial Highlights

Net Operating Cash		Operating Revenues		Operating Expenses		Capital Disbursements	
Actual	6,888	Actual	65	Actual	41	Actual	43
Target	6,888	Target	51	Target	47	Target	32
	(\$ thou)		(\$ mil)		(\$ mil)		(\$ mil)
Operating Cash Balance		Delinquent Account Receivables		Core Investments Yield		Short Term Investment Yield	
Actual	152	Actual	2	Actual	1.44	Actual	1.02
Target	126	Target	3	Target	1.6	Target	1.05
	(\$ mil)		(%)		(%)		(%)





Customer Care and Operations Highlights

Call Center Performance		Command Center Performance		First Call Resolution		Emergency Response Time	
	Oct 85		Oct 78		Oct 83		Oct 89
	(% of calls rec)		(% of calls rec)		(% of calls rec)		(% of calls rec)
Fire Hydrants out of Service		Fire Hydrant Insps. and Maint.		Fire Hydrants Replaced		Permit Processing within SLA	
	Oct 96		29		Oct 12		68
	(count)		(count)		(YTD count)		(%)

Low Income Assistance Program

Splash Contributions		Customer Assistance Program	
Actual	9	Previous	44
Target		Current	46
	(\$ tho)		(\$ tho)

Operational Highlights

Lead Concentration (ppb)		Total Coliform Rule (%)		Biosolids Production		Total Nitrogen (lbs/yr mil)	
	4		0.0%		453		2.76
					(wet tons)		
Plant Effluent Flow (gal mil)		Excess Flow		Water Main Leaks		Water Valve Leaks	
	258.6		0		32		1
			(gal mil)		(count)		(count)
Non-Revenue Water		Sewer Main Backups		Sewer Lateral Backups		Dry Weather CSO	
Sold	0		6		199		0
Purchased	0		(count)		(count)		(events)
	(CCF mil)						
Recruitment Activity		Electricity Usage		Employee Lost Time Accidents		Vendor Payments	
Filled	20		19		6	Actual	98
Open	73		(MWh)		(count)	Target	97
	(count)						(%)

FINANCIAL HIGHLIGHTS

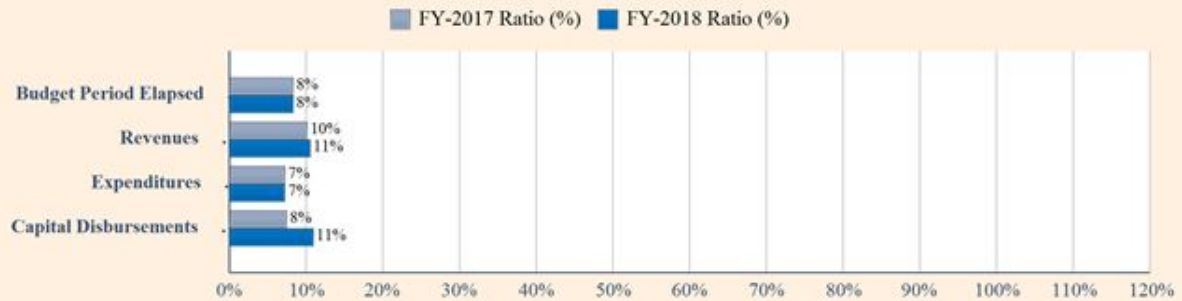
FINANCIAL PERFORMANCE SUMMARY

REVENUE, EXPENDITURE, CAPITAL DISBURSEMENT

Cumulative Revenue, Expenditure & Capital Disbursements compared to Budget

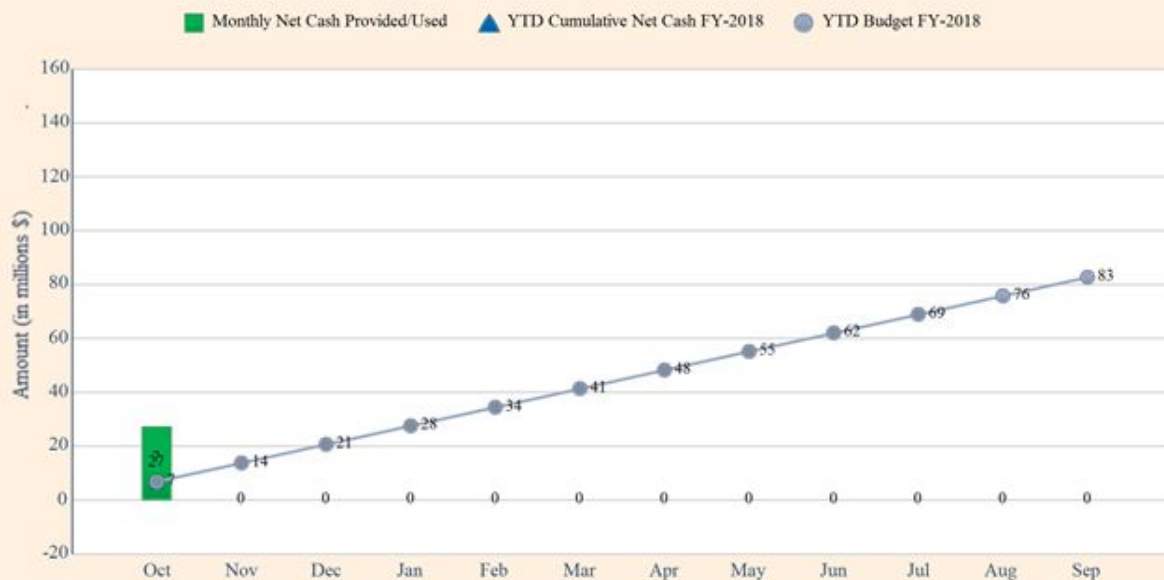


YEAR TO DATE ANALYSIS



NET OPERATING CASH

Monthly and YTD Net Operating Cash Provided / Used compared to Budget



Net cash to date for October was above budget by \$20 Million

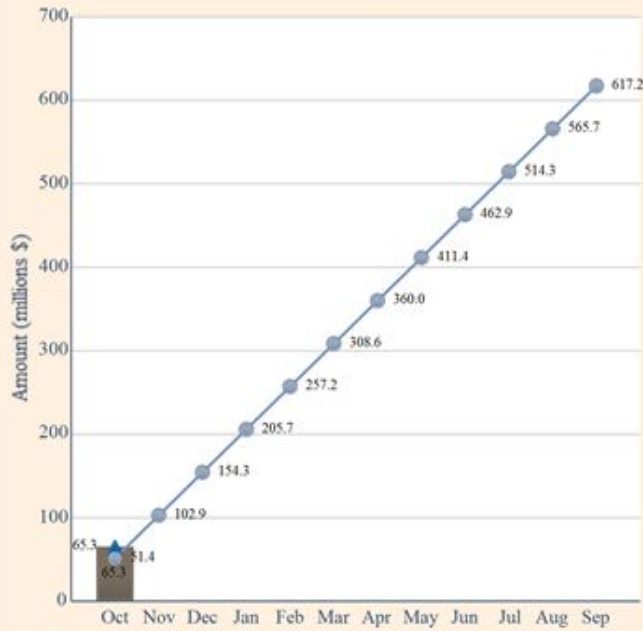
FINANCIAL HIGHLIGHTS

REVENUES AND OPERATING EXPENSES

OPERATING REVENUES

Monthly & Cumulative Revenue compared to YTD Budget

- Actual Monthly Revenue
- ▲ YTD Cumulative Revenue FY-2018
- YTD Cumulative Budget FY-2018

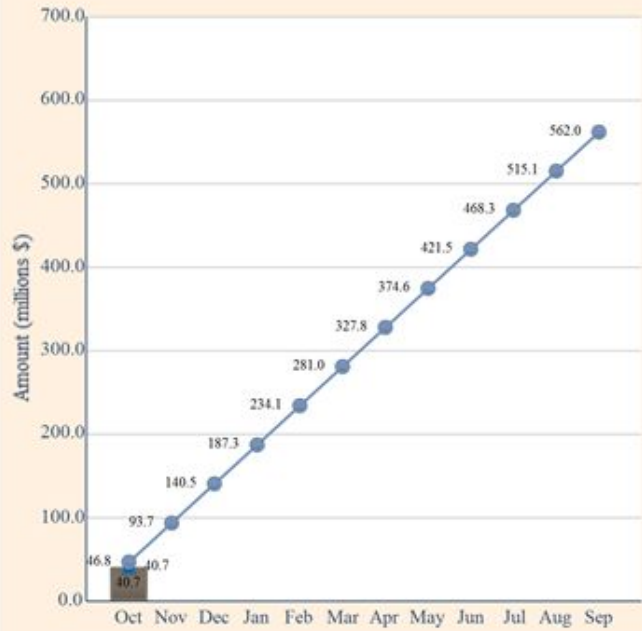


Revenue to date for October was above Budget by \$14 Million

OPERATING EXPENSES

Monthly & Cumulative Expenditure compared to YTD Budget

- Actual Monthly Expenses
- ▲ YTD Cumulative Expenditure FY-2018
- YTD Cumulative Budget FY-2018



Expenditure to date for October was below budget by \$6 Million

CAPITAL SPENDING

CAPITAL DISBURSEMENTS

Monthly & Cumulative Disbursements compared to YTD Budget

- Actual Monthly Disbursements
- ▲ YTD Cumulative Disbursements FY-2018
- YTD Cumulative Budget FY-2018



Disbursements to date for October was above budget by \$10 Million

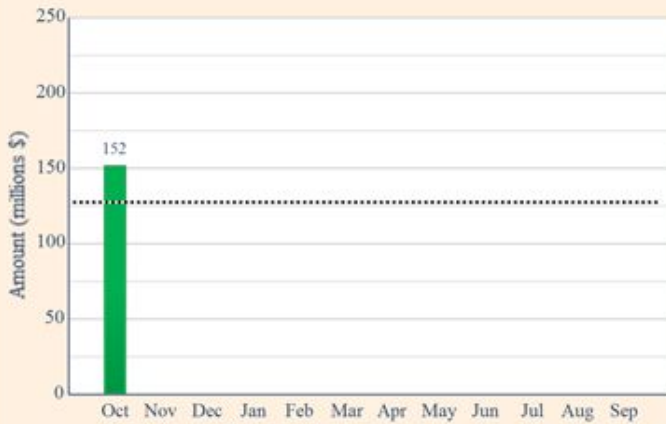
FINANCIAL HIGHLIGHTS

OPERATING CASH AND RECEIVABLES

OPERATING CASH BALANCE

Average Daily Cash Balance compared to Operating Reserve Target

- █ Actual Cash Balance FY-2018
- ⋯ Operating Reserve Target - (125.5 Million)

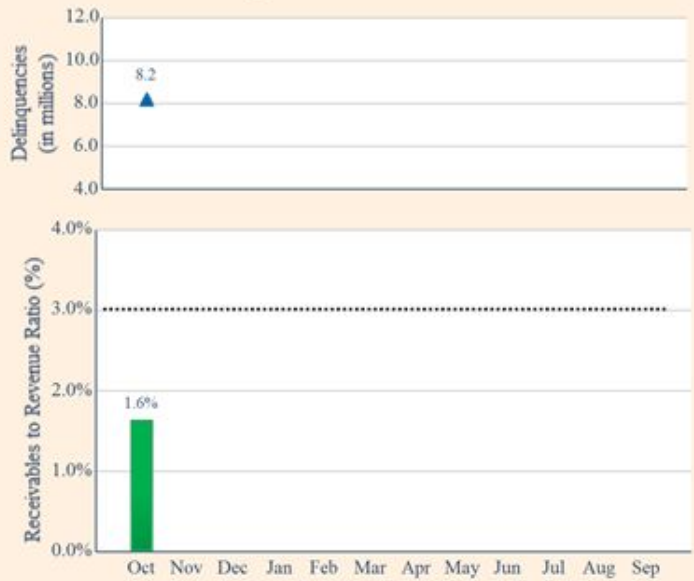


Cash Balance for October was above target by \$27 million

DELINQUENT ACCOUNT RECEIVABLES

Delinquency & Receivables to Revenue Ratio compared to Target

- █ Receivables to Revenue Ratio
- ▲ Delinquencies (in millions)
- ⋯ Target: Receivables to Revenue Ratio (3%)



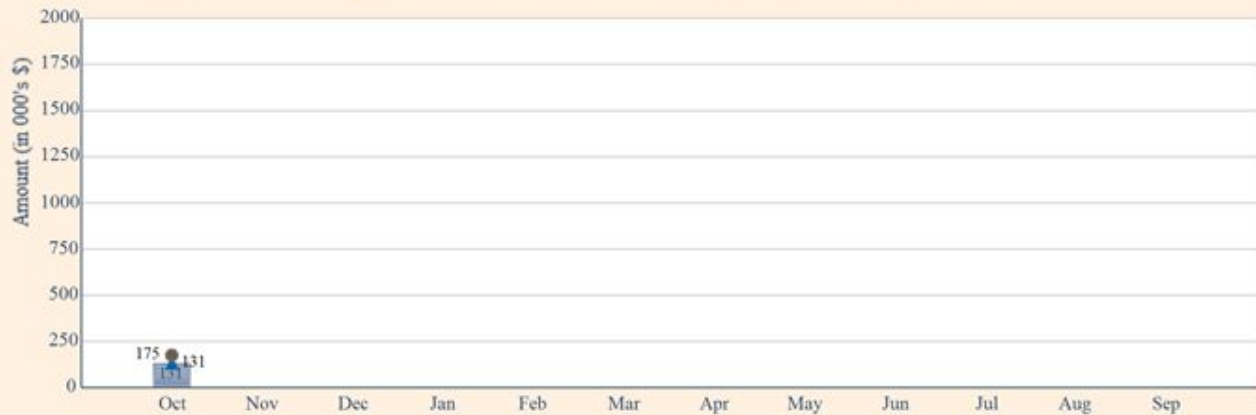
October Receivables to Revenue Ratio 1.64%, Delinquency \$8.2 Million

INVESTMENT EARNINGS

INVESTMENT CASH EARNINGS

Monthly & Cumulative Earnings compared to YTD Budget

- █ Monthly Earnings
- ▲ YTD Cumulative Earnings FY-2018
- YTD Cumulative Earnings Budget FY-2018



Earnings to date for October were below Projected Budget by \$44,000

FINANCIAL HIGHLIGHTS

INVESTMENT YIELD

CORE INVESTMENTS YIELD

Monthly Yield compared to Merrill Lynch Benchmark



Yield for October was less than the treasury index by 0.16%

SHORT TERM INVESTMENT YIELD

Short Term Yield compared to Merrill Lynch Benchmark



Short Term Yield for October was less than the Merill Lynch yield by 0.03%

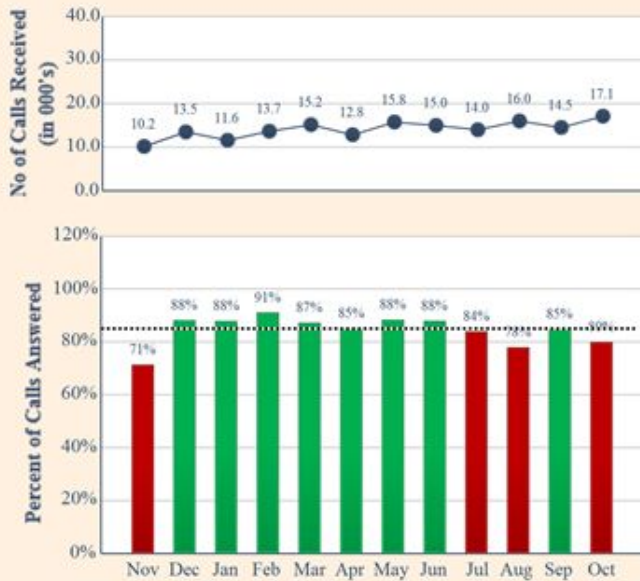
CUSTOMER CARE AND OPERATIONS HIGHLIGHTS

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%)

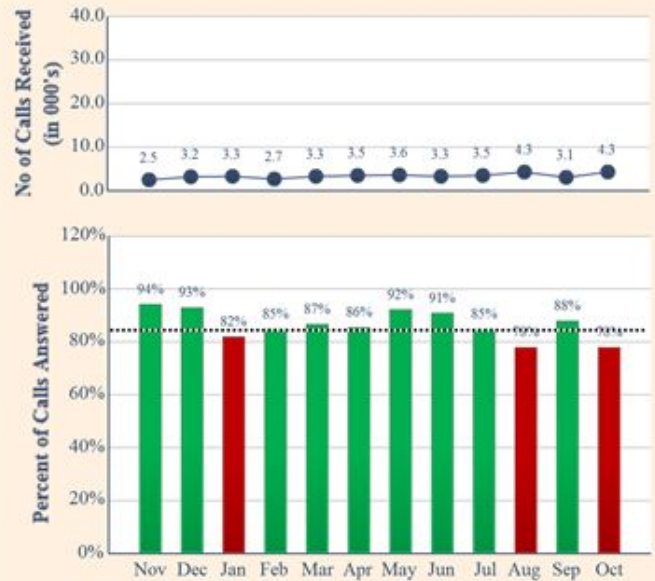


Performance for October was below target by 5%

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%)

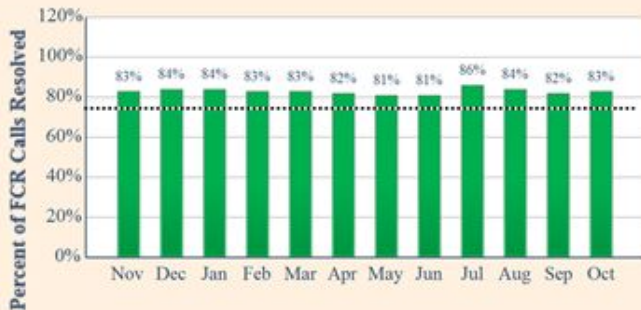


Performance for October was below target by 7%

FIRST CALL RESOLUTION (FCR)

Calls resolved on first contact compared to Target

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

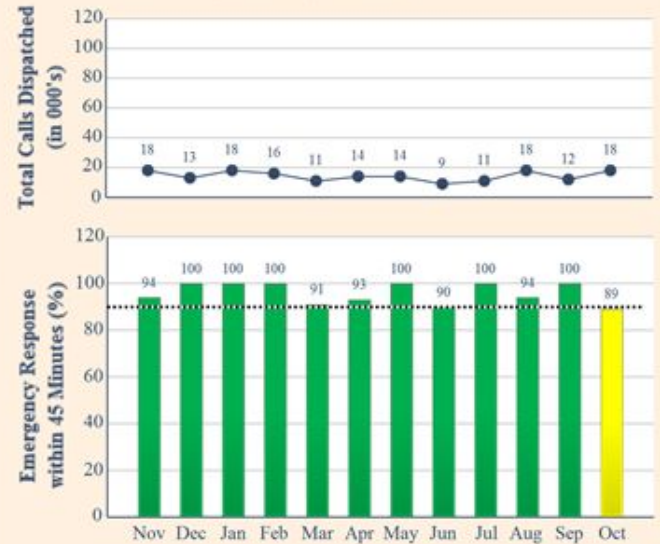


Performance for October was above target by 8%

EMERGENCY RESPONSE TIME

Calls responded to within 45 Minutes compared to Target

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



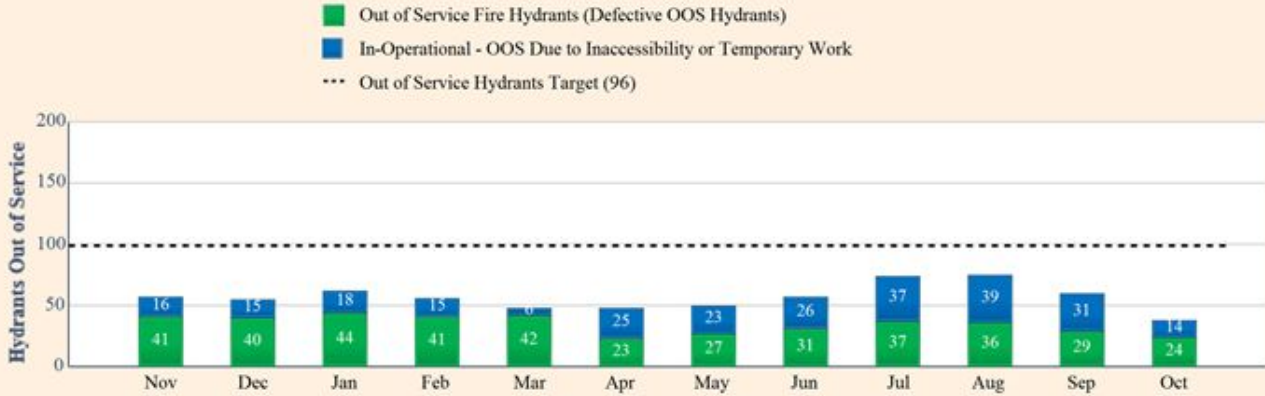
Performance for October was below target by 1%

CUSTOMER CARE AND OPERATIONS HIGHLIGHTS

FIRE HYDRANTS

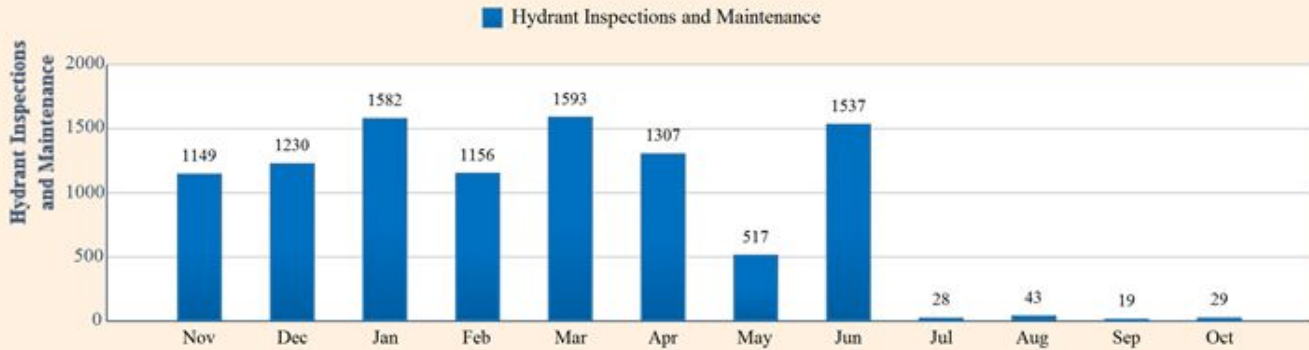
Fire Hydrants Out of Service (OOS)

Total Hydrants Out of Service against Target



Fire Hydrant Inspections and Maintenance

Total Hydrant Inspection and Maintenance Work Orders Completed per Month



Total Hydrant Replacements Per Month

Annual Replacement Target (250)

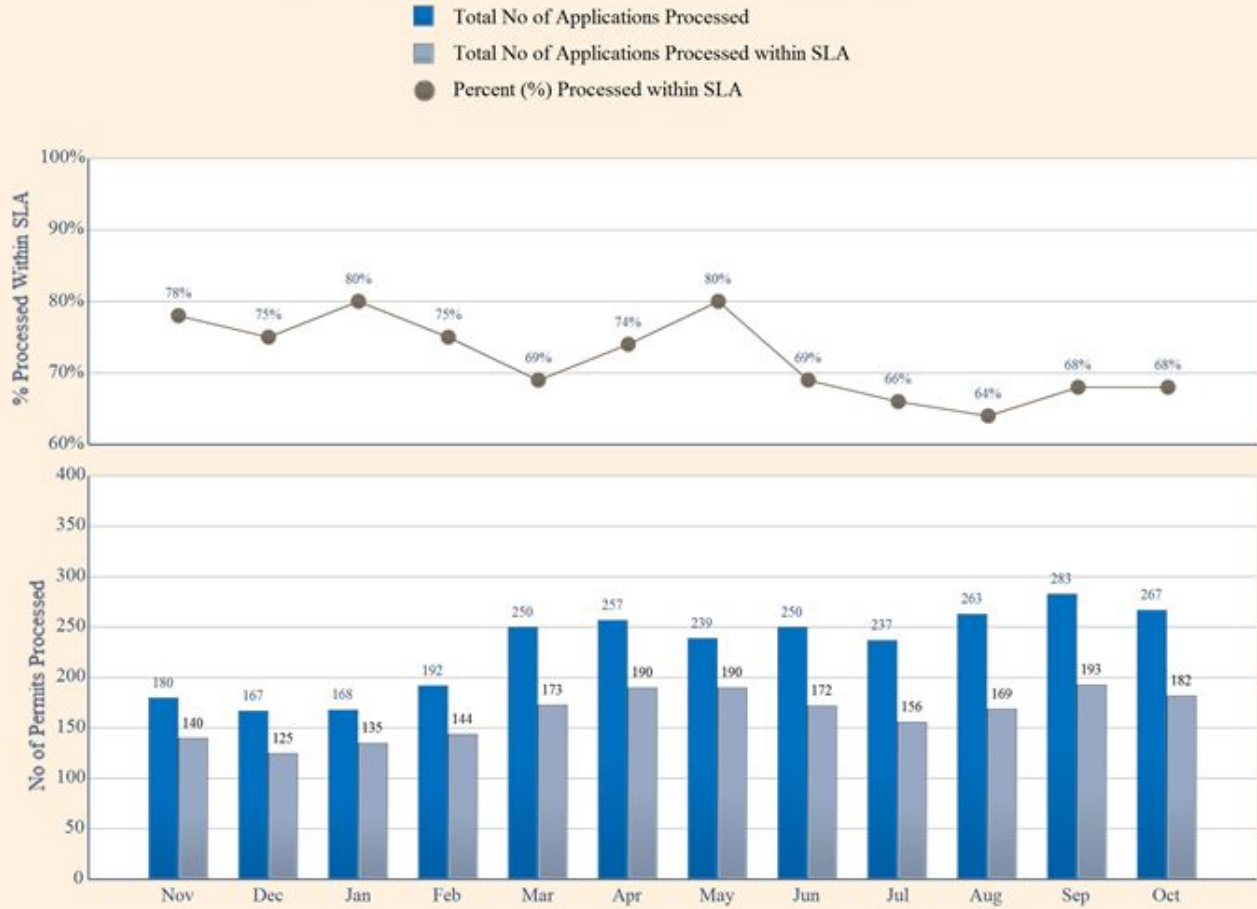


Total replacements as of October were 12 against annual projections of 250

CUSTOMER CARE AND OPERATIONS HIGHLIGHTS

PERMIT PROCESSING

PERCENT OF APPLICATIONS PROCESSED WITHIN SLA



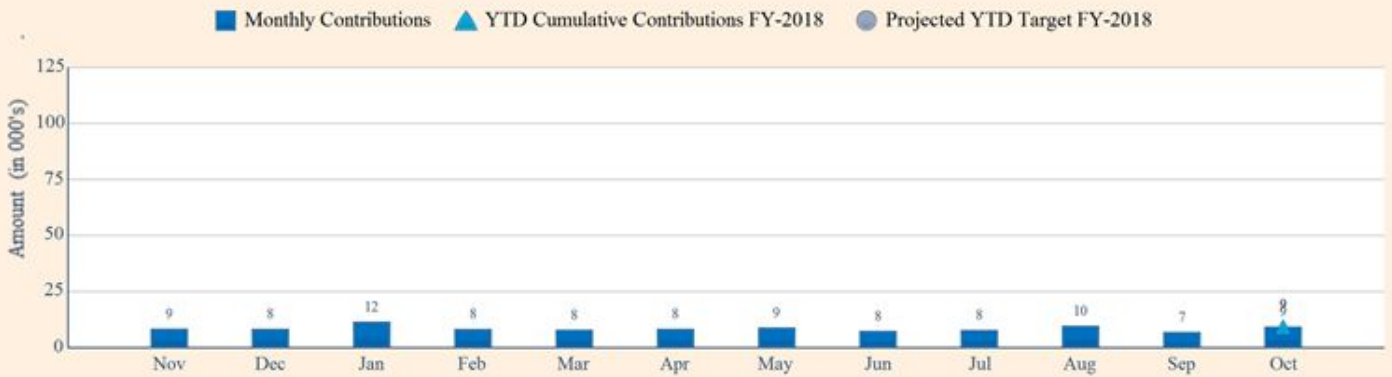
Permits not processed within SLA in October were 32% Note that different SLA's range from 7 days to 45 days

LOW INCOME ASSISTANCE PROGRAM

SPLASH PROGRAM

SPLASH CONTRIBUTIONS

Monthly and Cumulative Contributions compared to YTD Target

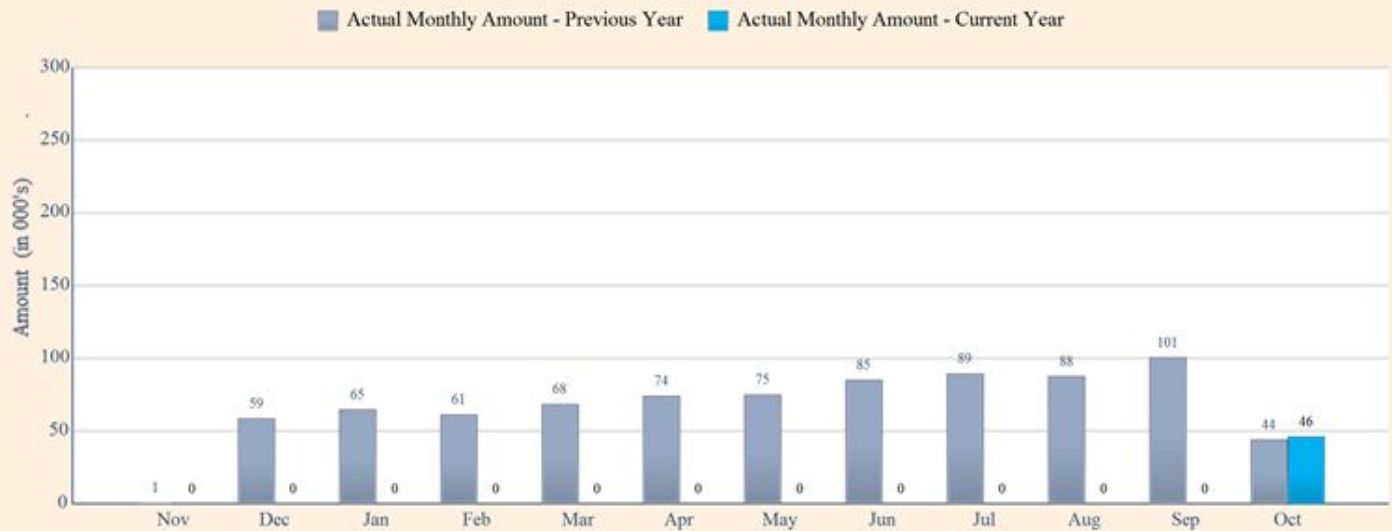


Total SPLASH Contributions to date for October were above target by \$2,723

CUSTOMER ASSISTANCE PROGRAM (CAP)

CUSTOMER ASSISTANCE PROVIDED

Monthly Assistance Provided compared to corresponding Previous Year Periods



OPERATIONAL HIGHLIGHTS

DRINKING WATER QUALITY

LEAD AND COPPER RULE (LCR) COMPLIANCE

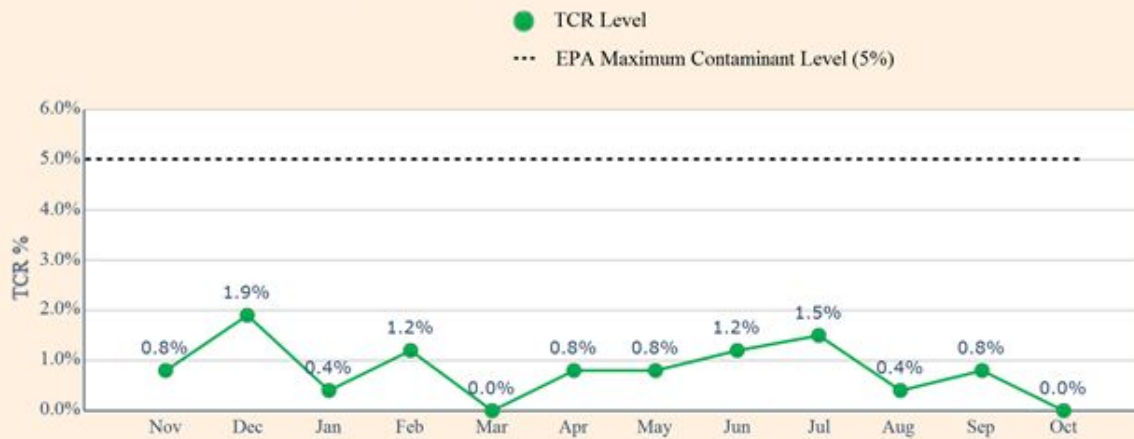
Semi-Annual LCR Monitoring Results



Jul-Dec 2017 results to date

TOTAL COLIFORM RULE (TCR) COMPLIANCE

Total Coliform Positives compared to EPA Maximum Contaminant Level (MCL)



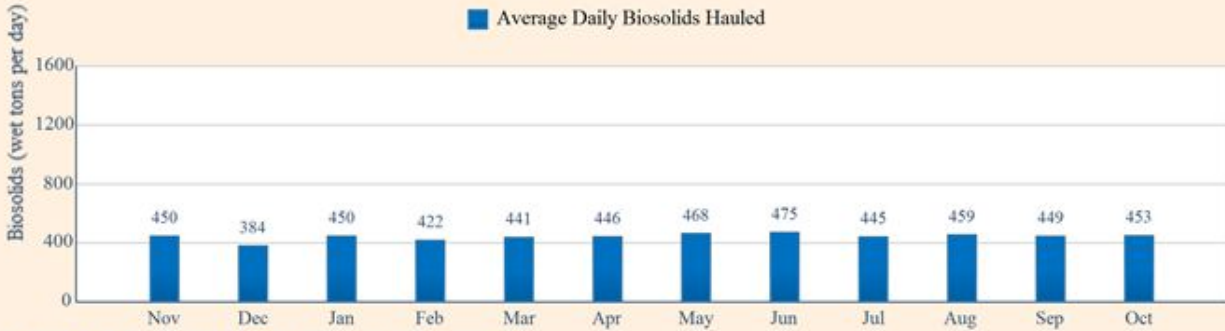
Coliform Positive was recorded at 0.0% in October

OPERATIONAL HIGHLIGHTS

WASTEWATER TREATMENT

BIOSOLIDS PRODUCTION, Oct - 2017

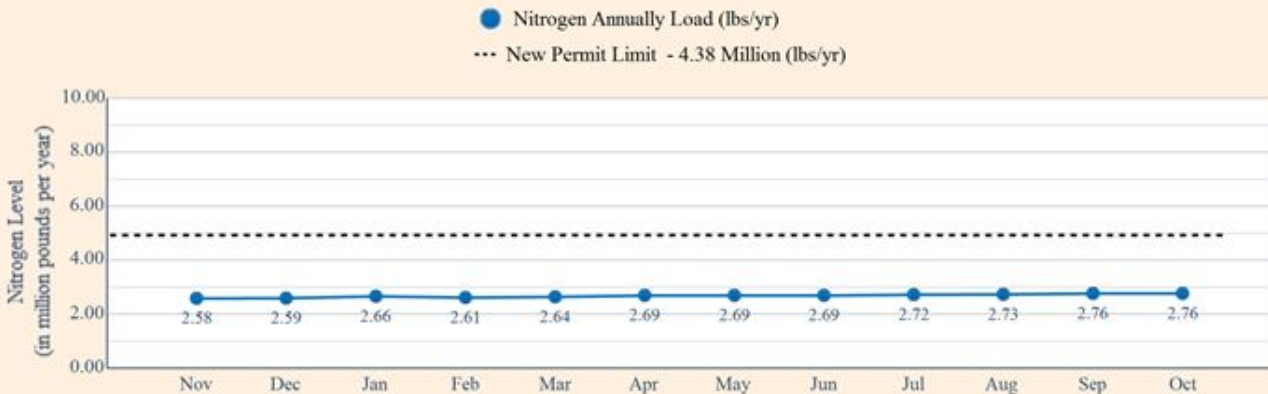
Average Daily Biosolids Production



Biosolids Daily Production for October were 453 wet tons per day

TOTAL NITROGEN

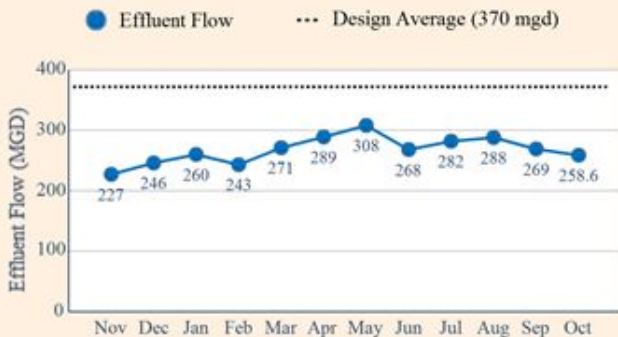
Total Nitrogen Compared to New Permit Levels



Nitrogen level for October were below permit by 1.6 million lbs/yr

PLANT EFFLUENT FLOW

Effluent Flow compared to Plant Design Average Limit



In October, Influent flow was below design by 125 MGD

TOTAL EXCESS FLOW

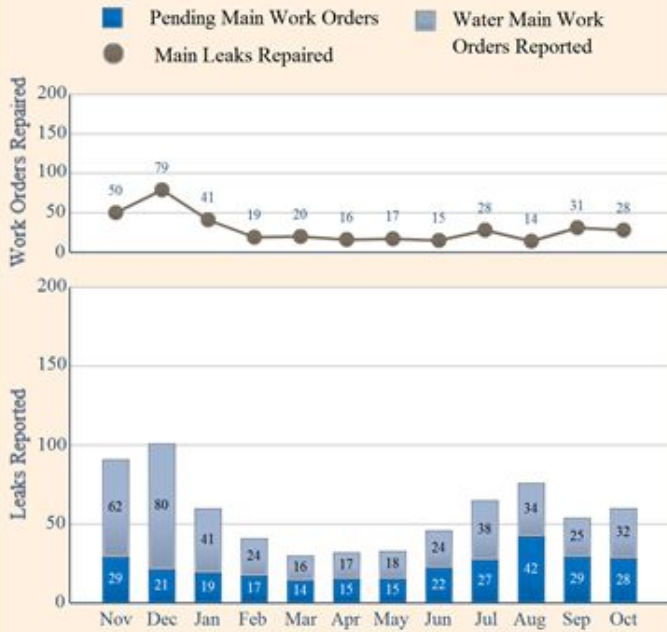


Excess flow events were recorded at 0 MG in October 2017

OPERATIONAL HIGHLIGHTS

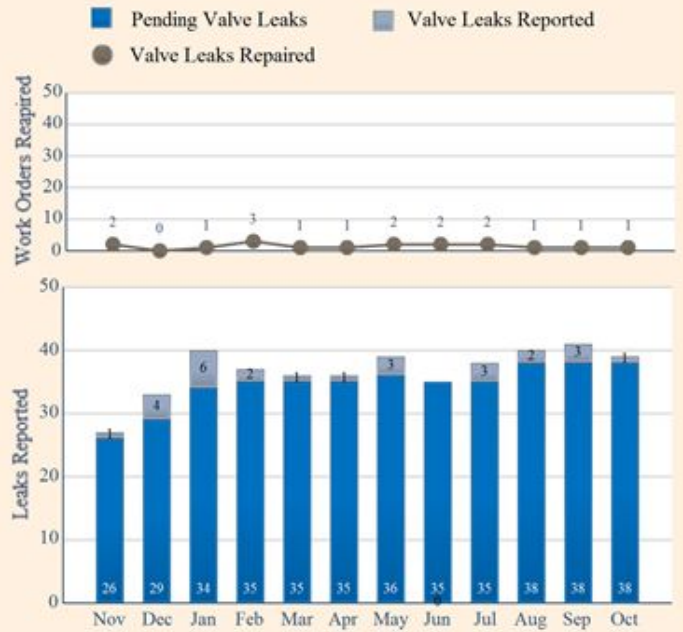
WATER DISTRIBUTION OPERATIONS

WATER MAIN LEAKS



There were 32 Water Main Work Orders reported in October

WATER VALVE LEAKS

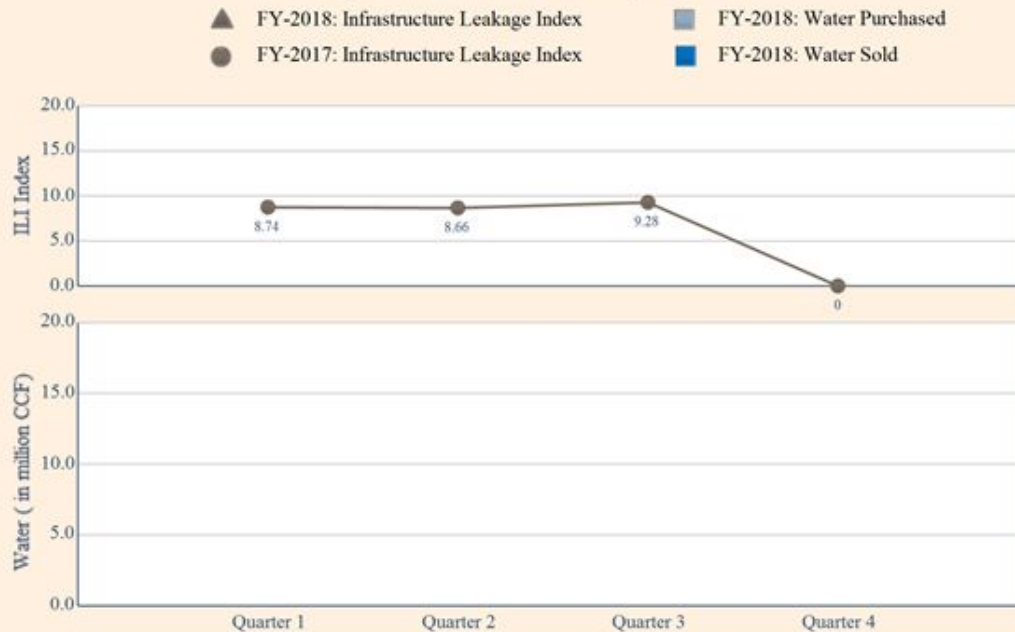


1 leak was resolved in October

WATER BALANCE

NON-REVENUE WATER

Volume of Water Purchased and Sold per Quarter



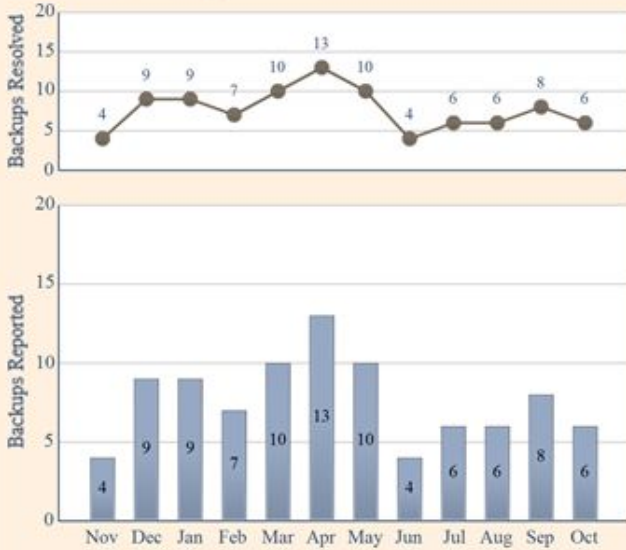
OPERATIONAL HIGHLIGHTS

SEWER SYSTEM OPERATIONS

SEWER MAIN BACKUPS

Sewer Mains Backed Up and Relieved per Month

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

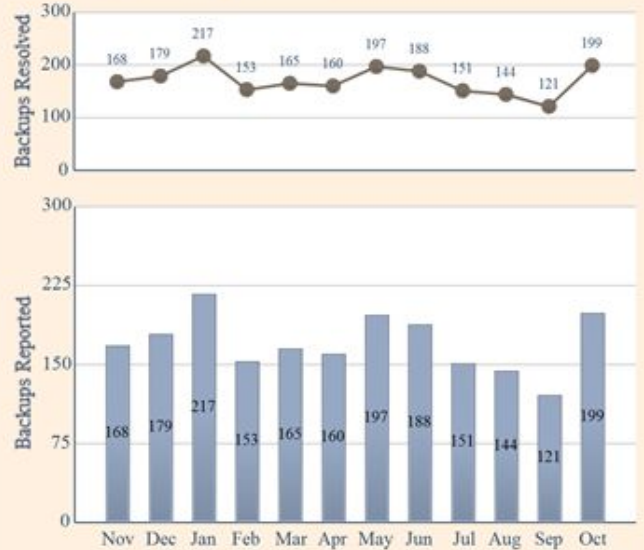


No pending main backups reported

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

- Overflow Volume (MG)
- Number of CSO Events



No dry weather Combined Sewer Overflow event were recorded in October 2017

OPERATIONAL HIGHLIGHTS

HUMAN RESOURCES

RECRUITMENT ACTIVITY

PREVIOUS FISCAL YEAR



RECRUITMENT ACTIVITY

CURRENT FISCAL YEAR



RECRUITMENT PERFORMANCE METRIC
PREVIOUS FISCAL YEAR



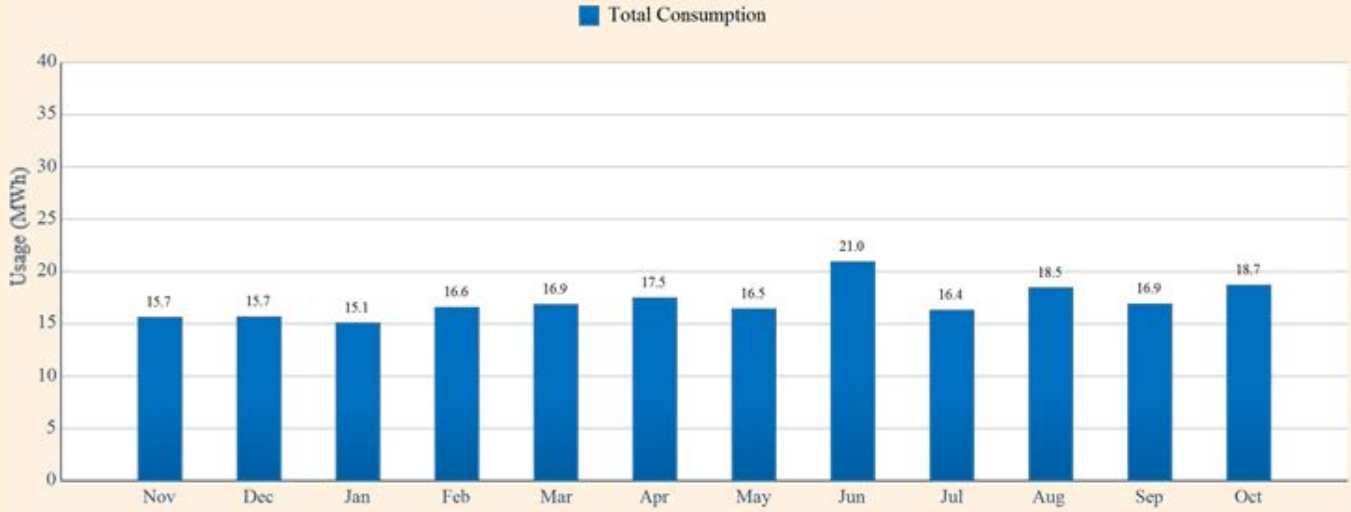
RECRUITMENT PERFORMANCE METRIC
CURRENT FISCAL YEAR



OPERATIONAL HIGHLIGHTS

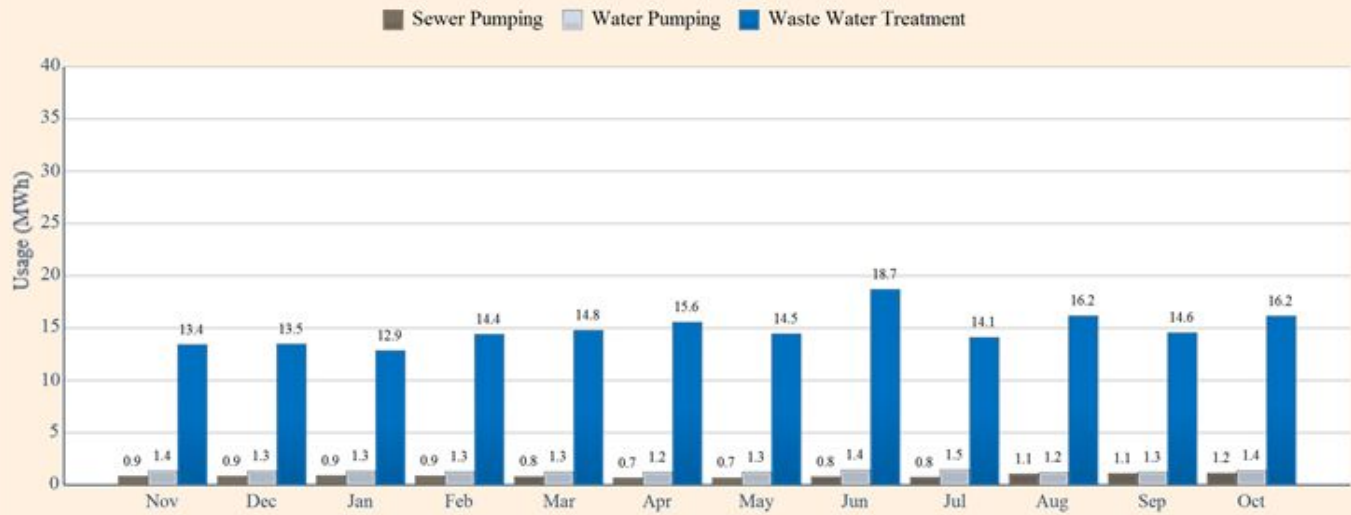
ENERGY CONSUMPTION

ELECTRICITY USAGE SUMMARY



Electricity Consumption in October was 18,734 KWh

ELECTRICITY USAGE BY SERVICE AREA



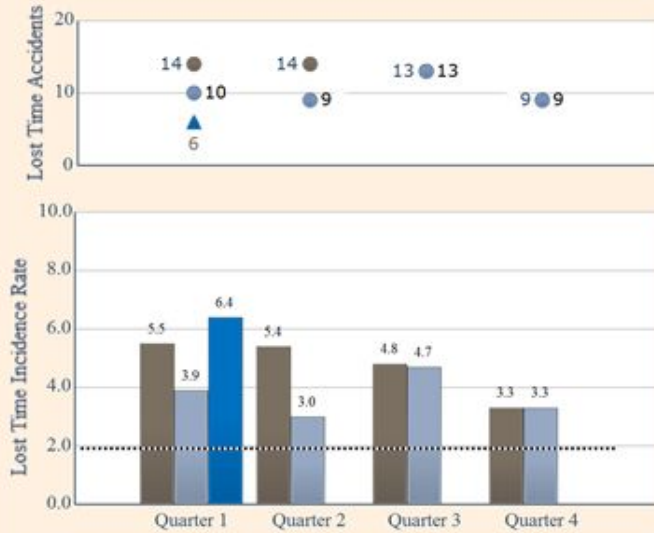
Waste Water treatment had the highest electricity consumption in October at 16,182 KWh

OPERATIONAL HIGHLIGHTS

SAFETY

EMPLOYEE LOST TIME INCIDENCE RATE

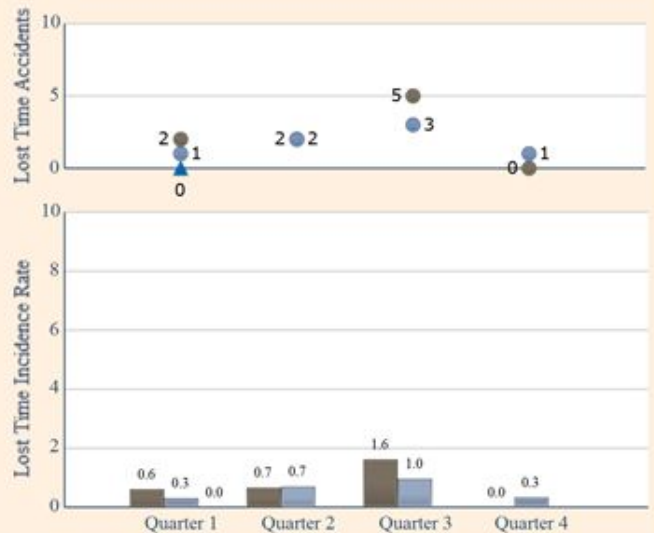
- FY-2016: No of LT Accidents ■ FY-2016: LT Incidence Rate
 - FY-2017: No of LT Accidents ■ FY-2017: LT Incidence Rate
 - ▲ FY-2018: No of LT Accidents ■ FY 2018 LT Incidence Rate
- Target/National: LT Incidence Rate



In the 1st quarter, 6 lost time accidents were reported

CONTRACTOR LOST TIME INCIDENCE RATE

- FY-2016: No of LT Accidents ■ FY-2016: LT Incidence Rate
- FY-2017: No of LT Accidents ■ FY-2017: LT Incidence Rate
- ▲ FY-2018: No of LT Accidents ■ FY 2018 LT Incidence Rate



In the 1st quarter, 0 lost time accident was reported

VENDOR PAYMENTS

VENDOR PAYMENT PERFORMANCE

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



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

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

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

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

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

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

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

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

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



Consent Agenda

Summary of Contracts

237th Meeting of the DC Water Board of Directors

Thursday, December 7, 2017

Joint Use Contracts

Resolution No. 17-74, Option Year One of Contract No. 14-PR-HC-08, Connecticut General Life Insurance Company (CIGNA). The purpose of the contract is to provide DC Water employees two health insurance plans: Health Maintenance Organization (HMO) as well as Preferred Provider Organization (PPO) for employees hired after October 1, 1987. The option amount is \$10,824,582. (Recommended by the Human Resource and Labor Relations Committee 11/08/17)

Resolution No. 17-75, Option Year Three of Contract No. 16-PR-HCM-26, Kaiser Foundation Health Plan of the Mid-Atlantic States, Inc. The purpose of the option is to provide DC Water employees a Health Maintenance Organization (HMO) for employees hired after October 1, 1987. The option amount is 44,715,782. (Recommended by the Human Resource and Labor Relations Committee 11/08/187)

Resolution No. 17-76, Additional Funding for Option Year One of Contract No. 16-PR-DMS-43, Electric Motor & Contracting Co., Inc. (EMC). The purpose of the option is to continue providing inspection, repair, replacement, and upgrade services for various process assets located at all DC Water facilities. The option amount is \$2,076,186. (Recommended by the Environmental Quality and Operations Committee 11/16/17)

Resolution No. 17-77, Change Order No. 1 of Contract No. 160150, Mobile Dredging & Video Pipe Services. The purpose of the change order is to locate and remove obstruction found during the CCTV inspection of the Lower Oxon Run Interceptor. The purpose of the change order is to continue providing inspection, repair, replacement, and upgrade services for various process assets located at all DC Water facilities. The change order amount is \$1,000,000. (Recommended by the Environmental Quality and Operations Committee 11/16/17)

Resolution No. 17-78, Supplemental Agreement No. 03 of Contract No. DCFA-445, O'Brien and Gere Engineers, P.C. The purpose of the supplemental agreement is to provide additional engineering services during construction do to unforeseen construction contractor delays including more than quadruple the planned number of reviews of construction submittals and reviewing more than six times the planned number of requests interpretation (RFIs), some

dealing with differing site conditions, which were not included in original scope previous Supplemental Agreement. The supplemental agreement amount is \$890,000. (Recommended by the Environmental Quality and Operations Committee 11/16/17)

Resolution No. 17-79, Contract Modification for Additional Funding for Advance Digital Systems, Inc. (ADS). The purpose of the modification is to add additional funding to continue to use the contract to fulfill IT professional and staff augmentation service requirements through April 30, 2018. The additional funding amount is \$939,000. (Recommended by the Environmental Quality and Operations Committee 11/16/17)

Resolution No. 17-80, Option Year Two of Contract No. 15-PR-DWT-35, Polydyne, Inc. The purpose of the option is to continue providing belt press polymers to reduce the water content and increase solids content of the Class A biosolids. The option amount is \$1,733,200. (Recommended by the Environmental Quality and Operations Committee 11/16/17)

Resolution No. 17-81, Additional Funding for Option Year One of Contract No. 16-PR-DSS-63, Dynamic Concepts, Inc. The purpose of the additional funding is to continue providing resources required to locate, identify, and appropriately mark underground utilities prior to excavation work being conducted in the vicinity of these utilities within DC, Maryland and Virginia. The additional funding amount is \$1,353,130. (Recommended by the Environmental Quality and Operations Committee 11/16/17)

Resolution No. 17-82, Contract Modification for Additional Funding for Contract No. 17-PR-DIT-06G, Networking for Future, Inc. (NFF). The purpose of the additional funding is to continue providing IT professional and staff augmentation services requirements through April 30, 2018. The additional funding amount is \$985,000. (Recommended by the Environmental Quality and Operations Committee 11/16/17)

Presented and Approved: December 7, 2017

SUBJECT: Approval to Execute Option Year One of Contract No. 14-PR-HCM-08, Connecticut General Life Insurance Company (CIGNA)

**#17-74
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 December 7, 2017 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Option Year One of Contract No. 14-PR-HCM-08, Connecticut General Life Insurance Company (CIGNA).

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Option Year One of Contract No. 14-PR-HCM-08, Connecticut General Life Insurance Company (CIGNA). The purpose of the contract is to provide DC Water employees two health insurance plans: Health Maintenance Organization (HMO) as well as Preferred Provider Organization (PPO) for employees hired after October 1, 1987. The option amount is \$10,824,582.

This Resolution is effective immediately.

Secretary to the Board of Directors

DC Water Board of Directors - IX. Consent Items (Joint Use)

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

ACTION REQUESTED

**GOODS AND SERVICES CONTRACT OPTION YEAR
MEDICAL INSURANCE PLANS
JOINT-USE**

Approval to exercise option year one (1) for medical insurance plans in the amount of \$10,824,582.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Connecticut General Life Insurance Company (CIGNA) 111 South Calvert Street Baltimore, MD 21202	SUBS: L.T. Printing and Promotion 9 Grant Circle NW Washington, DC 20011 LBE	PARTICIPATION: 0.2%
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DESCRIPTION AND PURPOSE

Original Contract Value: \$10,906,116.00
 Original Contract Dates: 01-01-2017—12-31-2017
 No. of Option Years in Contract: 4
Option Year 1 Value: \$10,824,582.00
Option Year 1 Dates: 01-01-2018—12-31-2018

Purpose of the Contract:

This contract is to provide DC Water's employees two (2) health insurance plans: Health Maintenance Organization (HMO) as well as a Preferred Provider Organization (PPO) for employees hired after October 1, 1987.

Contract Scope:

This contract offers comprehensive medical coverage to employees and their families.

Spending Previous Year:

Cumulative Contract Value: 01-01-2017 to 12-31-2017: \$10,906,116.00
 Cumulative Contract Spending: 01-01-2017 to 09-30-2017: \$ 8,235,133.00

Contractor's Past Performance:

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

DC Water Board of Directors - IX. Consent Items (Joint Use)

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Highest Rated Offeror
Commodity:	Services	Contract Numbers:	16-PR-HCM-26
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION

Funding:	Operating	Department:	Human Capital Management
Service Area:	DC Water Wide	Department Head:	Roger E. Brown Jr.

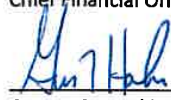
ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	83.65%	\$ 9,054,762.84
Washington Suburban Sanitary Commission	12.07%	\$1,306,527.05
Fairfax County	2.84%	\$307,418.13
Loudoun Water	1.25%	\$135,307.28
Other (PI)	0.19%	\$20,566.70
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$10,824,582.00

 10/21/17
 Mustafaafa Dozier Date
 Chief of Staff

 10/31/17
 Dan Bae Date
 Director of Procurement

 11/3/17
 Matthew T. Brown Date
 Chief Financial Officer

 11/21/17
 George S. Hawkins Date
 General Manager

DC Water Board of Directors - IX. Consent Items (Joint Use)

Presented and Approved: December 7, 2017

SUBJECT: Approval to Execute Option Year Three of Contract No. 16-PR-HCM-26, Kaiser Foundation Health Plan of the Mid-Atlantic States, Inc.

**#17-75
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 December 7, 2017 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Option Year Three of Contract No. 16-PR-HCM-26, Kaiser Foundation Health Plan of the Mid-Atlantic States, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Option Year Three of Contract No. 16-PR-HCM-26, Kaiser Foundation Health Plan of the Mid-Atlantic States, Inc. The purpose of the option is to provide DC Water employees a Health Maintenance Organization (HMO) for employees hired after October 1, 1987. The option amount is \$4,715,782.

This Resolution is effective immediately.

Secretary to the Board of Directors

DC Water Board of Directors - IX. Consent Items (Joint Use)

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

ACTION REQUESTED

**GOODS AND SERVICES CONTRACT OPTION YEAR
STAFF MODEL HMO MEDICAL PLAN
JOINT-USE**

Approval to exercise option year three (3) for staff model Health Maintenance Organization (HMO) medical plan contract in the amount of \$4,715,782.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Kaiser Foundation Health Plan of the Mid-Atlantic States, Inc. 2101 East Jefferson Street Rockville, MD 20852	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$3,809,536.00
Original Contract Dates:	01-01-2015—12-31-2015
No. of Option Years in Contract:	4
Option Year 1 Value:	\$4,379,587.00
Option Year 1 Dates:	01-01-2016—12-31-2016
Option Year 2 Value:	\$4,259,413.00
Option Year 2 Dates:	01-01-2017—12-31-2017
Option Year 3 Value:	\$4,715,782.00
Option Year 3 Dates:	01-01-2018—12-31-2018

Purpose of the Contract:

This contract is to provide DC Water’s employees a Health Maintenance Organization (HMO) for employees hired after October 1, 1987.

Contract Scope:

This contract offers comprehensive HMO medical coverage to employees and their families.

Spending Previous Year:

Cumulative Contract Value:	01-01-2017 to 12-31-2017: \$12,448,536.00
Cumulative Contract Spending:	01-01-2017 to 09-30-2017: \$11,620,575.00

Contractor’s Past Performance:

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

No LBE/LSBE participation

DC Water Board of Directors - IX. Consent Items (Joint Use)

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Sole Source
Commodity:	Services	Contract Numbers:	14-PR-HCM-08
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

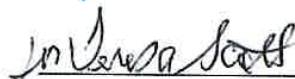
BUDGET INFORMATION

Funding:	Operating	Department:	Human Capital Management
Service Area:	DC Water Wide	Department Head:	Roger E. Brown Jr.

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	83.65%	\$3,944,751.64
Washington Suburban Sanitary Commission	12.07%	\$569,194.89
Fairfax County	2.84%	\$133,928.21
Loudoun Water	1.25%	\$58,947.28
Other (PI)	0.19%	\$8,959.98
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$ 4,715,782.00

 / 10.03.17
 Mustafaafa Dozier Date
 Chief of Staff

 / 11/3/17
 Dan Bae Date
 Director of Procurement

 / 11/3/17
 Matthew T. Brown Date
 Chief Financial Officer

 / 11/21/17
 George S. Hawkins Date
 General Manager

Presented and Approved: December 7, 2017

SUBJECT: Approval to Execute Additional Funding For Option Year One of Contract No. 16- PR-DMS-43, Electric Motor & Contracting Co., Inc. (EMC)

**#17-76
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 December 7, 2017 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute additional funding for Option Year One of Contract No. 16-PR-DMS-43, Electric Motor & Contracting Co., Inc. (EMC).

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute additional funding for Option Year One of Contract No. 16-PR-DMS-43, Electric Motor & Contracting Co., Inc. (EMC). The purpose of the option is to continue providing inspection, repair, replacement, and upgrade services for various process assets located at all DC Water facilities. The additional funding amount is \$2,076,186.

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

**Repair and Rehabilitation of Various Process Assets
(Joint Use)**

Approval to exercise option year one (1) and add funding to the Repair and Rehabilitation of Various Process Assets contract in the amount of \$2,076,186.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Electric Motor & Contracting Co., Inc.(EMC) 3728 Profit Way Chesapeake, VA 23323	SUBS: M&M Electric Motor Repair, Inc. LSBE	PARTICIPATION: 29%
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$2,150,000.00
Base Year Dates:	01-01-2017 - 12-31-2017
No. of Option Years in Contract:	2
Prior Modification Value:	\$700,000.00
This Modification Dates:	05-05-2017 – 12-31-2017
Option Year 1 Value:	\$2,076,186.00
Option Year 1 Dates:	01-01-2018 – 12-31-2018

Purpose of the Contract:

The Department of Maintenance Service (DMS) and Department of Distribution & Conveyance Systems (DDCS) require the services of a qualified contractor to provide inspection, repair, replacement, and upgrade services for various process assets (pumps, motors, blowers, valves, etc.) located at all DC Water facilities.

Scope of the Contract:

The contract scope covers major overhauls and preventive maintenance necessary to ensure the availability of identified equipment for reliable operation. The amount of this request for DMS is similar to spending for the base year and for DDCS the amount of this request is limited due to budget constraints. The requested funding will cover emergency repair and previously-forecasted maintenance of mechanical and electrical equipment at DC Water facilities

Savings:

Exercising the option year of the contract presents DC Water with projected cost savings of at least \$120,000.00 based on negotiated volume tier discounts. Other savings include: an extended warranty of 18 months from 12 months; extended warranty during controlled storage; and 1 technical workshop at EMC location as and when required by DC Water team

Spending Previous Year:

Cumulative Contract Value:	01-01-2017 to 01-01-2018: \$2,850,000.00
Cumulative Contract Spending:	01-01-2017 to 10-25-2017: \$2,697,646.91

Contractor's Past Performance:

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

PROCUREMENT INFORMATION

Contract Type:	Fixed Price Requirement Contract	Award Based On:	Best Proposal and Responsible Bidder
Commodity:	Goods and Services	Contract Number:	16-PR-DMS-43

BUDGET INFORMATION

Funding:	Capital Equipment	Department:	DMS
Service Area:	EQP 4830	Department Head:	Salil Kharkar

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	41.22%	\$618,300.00
Washington Suburban Sanitary Commission	45.84%	\$687,600.00
Fairfax County	8.38%	\$125,700.00
Loudoun Water	3.73%	\$55,950.00
Other (PI)	0.83%	\$12,450.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$1,500,000.00


BUDGET INFORMATION

Funding:	Capital Equipment	Department:	DACS
Service Area:	EQP 4210	Department Head:	Charles Sweeney

ESTIMATED USER SHARE INFORMATION


User	Share %	Dollar Amount
District of Columbia	100.00%	\$576,186.00
Washington Suburban Sanitary Commission	0.00%	\$0.00
Fairfax County	0.00%	\$0.00
Loudoun Water	0.00%	\$0.00
Other (PI)	0.00%	\$0.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$576,186.00


 Akile Tesfaye
 Assistant General Manager,
 Blue Plains
 Date: 11/8/17


 Matthew T. Brown
 Chief Financial Officer
 Date: 11/9/2017


 Charles Kiely
 Assistant General Manager,
 Customer Care & Operations
 Date: 11/7/17


 George S. Hawkins
 General Manager
 Date: 11/17/2017


 Dan Bae
 Director of Procurement
 Date: 11/7/17

Presented and Approved: December 7, 2017
SUBJECT: Approval to Execute Change Order No. 1 of Contract No. 160150, Mobile Dredging & Video Pipe Services

#17-77
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 December 7, 2017 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Change Order No. 1 of Contract No. 160150, Mobile Dredging & Video Pipe Services.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Change Order No. 01 of Contract No. 160150, Mobile Dredging & Video Pipe Services. The purpose of the change order is to locate and remove obstruction found during the CCTV inspection of the Lower Oxon Run Interceptor. The purpose of the change order is to continue providing inspection, repair, replacement, and upgrade services for various process assets located at all DC Water facilities. The change order amount is \$1,000,000.

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

CONSTRUCTION CONTRACT CHANGE ORDER:

**Inspection and Heavy Cleaning of Oxon Run
(Joint Use)**

Approval to execute Change Order No. 01 for \$116,800.00. The cumulative contract amount will exceed the General Manager's approval authority of \$1,000,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Mobile Dredging & Video Pipe Services 11420 Old Baltimore Pike Beltsville, MD 20705	HSA, Inc. Washington, DC Marine Technologies, Inc. Baltimore, MD	MBE 6.4% 9.6%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$ 907,475.00
Value of this Change Order:	\$ 116,800.00
Cumulative CO Value, including this CO:	\$ 116,800.00
Current Contract Value, including this CO:	\$1,024,275.00
Original Contract Time:	548 Days (1 Years, 6 Months)
Time extension, this CO:	0 Days
Total CO contract time extension:	0 Days
Contract Start Date (NTP):	04-25-2017
Anticipated Contract Completion Date:	09-10-2018
Cumulative CO % of Original Contract:	12.9%
Contract completion %:	6.0%

Purpose of the Contract:

Cleaning and combined post CCTV/Sonar inspection of sewers, and to inspect seventy manhole structures.

Original Contract Scope:

- Cleaning and Post CCTV/Sonar Inspection of approximately:
 - 4,020 linear feet of sewers (24"-42" inch diameter)
 - 2,950 linear feet of sewers (48 - 66" diameter)
- Combined CCTV/Sonar Inspection of approximately:
 - 670 linear feet of sewers (27" - 48" diameter)
 - 1,020 linear feet of siphons (36" - 54" diameter)
- Inspection of approximately 70 manholes and structures.

Current Change Order Scope:

Locate and remove obstruction found during the CCTV inspection of the Lower Oxon Run Interceptor. Blockage has caused surcharged conditions within the sewer and has created potential for a sanitary sewer overflow during wet weather conditions.


- Plug Installation
 - Utilize dive team, and in accordance with the approved dive plan, install pillow plug into the 48-inch influent line in MH 56504.
- De-water
 - De-water pipeline(s) between MH 56504 and the obstruction utilizing a 6-inch trash pump, and lay-flat hose. Discharge to be pumped directly to the Outfall Relief Sewer.

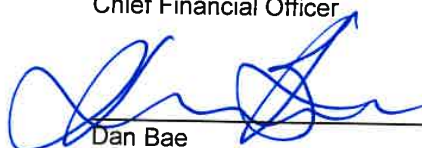
- CCTV Inspection
 - Inspect 48-inch sewer utilizing CCTV from MH 56504 downstream. Identify the location of the obstruction and characterize the blockage material. Document the inspection by video and still photographs.
 - If the obstruction is occurring beyond the 36-inch (flushing line) branch connection, attempt inspection of the 36-inch. If the obstruction is located before the branch connection perform CCTV inspection of the 36-inch flushing line from the outfall sewer, upstream to confirm valve position.
 - Prepare a summary report that describes the location and type of debris, and recommend a methodology for cleaning/removal of the obstruction.
- Cleaning/Obstruction Removal
 - Facilitate the removal of the obstruction by hydraulic/mechanical means as necessary. Protect debris from entry into outfall relief sewer by cleaning from MH 56504 and pulling the debris back.


PROCUREMENT INFORMATION			
Contract Type:	Fixed Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	160150
Contractor Market:	Open Market		

BUDGET INFORMATION			
Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Sanitary	Department Head:	Craig Fricke
Project:	DN		

ESTIMATED USER SHARE INFORMATION		
User	Share %	Dollar Amount
District of Columbia	41.59%	\$ 48,577.12
Washington Suburban Sanitary Commission	58.41%	\$ 68,222.88
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$116,800.00


 _____ 11/19/2017
 Matthew T. Brown Date
 Chief Financial Officer


 _____ 11/14/17
 Dan Bae Date
 Director of Procurement


 _____ 11-03-17
 Leonard R. Benson Date
 Chief Engineer


 _____ 11-17-2017
 George S. Hawkins Date
 General Manager

Presented and Approved: December 7, 2017

**SUBJECT: Approval to Execute Supplemental Agreement No. 03 of
Contract No. DCFA-445, O'Brien and Gere Engineers, P.C.**

**#17-78
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 December 7, 2017 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Supplemental Agreement No. 03 of Contract No. DCFA-445, O'Brien and Gere Engineers, P.C.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Supplemental Agreement No. 03 of Contract No. DCFA-445, O'Brien and Gere Engineers, P.C. The purpose of the supplemental agreement is to provide additional engineering services during construction due to unforeseen construction contractor delays including more than quadruple the planned number of reviews of construction submittals and reviewing more than six times the planned number of requests interpretation (RFIs), some dealing with differing site conditions, which were not included in original scope or previous Supplemental Agreements (SA). The supplemental agreement amount is \$890,000.

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 SUPPLEMENTAL AGREEMENT:

**Poplar Point Pumping Station Replacement
(Joint Use)**

Approval to execute Supplemental Agreement No. 03 for \$890,000.00. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
O'Brien and Gere Engineers, P.C. 4201 Mitchellville Road Bowie, MD 20716	Bryant Associates, Inc. Hyattsville, MD	MBE 28.0%
<u>Headquarters</u> Syracuse, NY 13221	Phoenix Engineering, Inc. Parkton, MD	WBE 4.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$3,200,000.00
Value of this Supplemental Agreement:	\$ 890,000.00
Cumulative SA Value, including this SA:	\$3,442,336.00
Current Contract Value, including this SA:	\$6,642,336.00
Original Contract Time	1750 Days (4 Years, 10 Months)
Time Extension, this SA:	90 Days
Total SA Time Extension:	687 Days (1 Year, 11 Months)
Contract Start Date:	01-26-2012
Contract Completion Date:	09-28-2018

Purpose of the Contract:

Provide engineering design and related services for a new pumping station to replace the existing deteriorating Poplar Point Pumping Station that has been in operation since 1915. The work also includes replacement of the existing Barry Road Sewer crossing I-295 which has failed.

This work is required to comply with a Consent Decree and DC Water's NPDES Permit.

Original Contract Scope:

- Provide civil, architectural, mechanical process, HVAC, instrumentation, and electrical design services, and support activities, and preparation of contract documents for Poplar Point Pumping Station Replacement, approximately 1,000 lineal feet of trenchless 54-inch sewer and approximately 400 lineal feet of sewer from Barry Road to the pumping station crossing I-295.

Current Supplemental Agreement Scope:

- Provide additional engineering services during construction due to unforeseen construction contractor construction delays including more than quadruple the planned number of reviews of construction submittals and reviewing more than six times the planned number of requests for interpretation (RFIs), some dealing with differing site conditions, which were not included in original scope or previous Supplemental Agreements (SA). The additional work of this SA is only for the Poplar Point Pumping Station since the Barry Road Sewer is essentially complete.

Future Supplemental Agreement Scope:

- No future supplemental agreement is anticipated at this time.

ORIGINAL CONTRACT PROCUREMENT INFORMATION


Contract Type:	Lump Sum/ Cost Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Services	Contract Number:	DCFA-445
Contractor Market:	Open Market		

BUDGET INFORMATION


Funding:	Capital	Department:	DC Clean Rivers Project
Service Area:	Combined Sewer	Department Head:	Carlton M. Ray
Project:	CY		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	90.00%	\$801,000.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	10.00%	\$ 89,000.00
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$890,000.00

 / 11/19/2017
 Matthew T. Brown Date
 Chief Financial Officer

 / 11/15/17
 Dan Bae Date
 Director of Procurement

 / 11-03-17
 Leonard R. Benson Date
 Chief Engineer

 / 11-12-2017
 George Hawkins Date
 General Manager

Presented and Approved: December 7, 2017
SUBJECT: Approval to Execute a Contract Modification for Additional Funding for Advance Digital Systems, Inc. (ADS)

#17-79
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 December 7, 2017 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute a Contract Modification for additional funding for Advance Digital Systems, Inc. (ADS).

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute a Contract Modification for additional funding for Advance Digital Systems, Inc. (ADS). The purpose of the modification is add additional funding to continue to use the contract to fulfill IT professional and staff agumentation service requirements through April 30, 2018. The additional funding amount is \$939,000.

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 MODIFICATION
IT PROFESSIONAL SERVICES**

(Joint Use)

Approval to execute a contract modification to add funding to the contract base period in the amount of \$939,000.00 for IT professional service projects.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Advance Digital Systems, Inc. (ADS) 4290 Chain Bridge Road, Suite 200 Fairfax, VA-22030 LSBE	SUBS: N/A	PARTICIPATION: 100%
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$500,000.00
Original Contract Dates:	05-01-2017 – 04-30-2018
No. of Option Years in Contract:	2
Modification No. 1 Value:	\$189,000.00
Modification No. 1 Dates:	08-07-2017 – 04-30-2018
Modification No. 2 Value:	\$286,000.00
Modification No. 2 Dates:	11-01-2017– 04-30-2018
This Modification Value:	\$939,000.00
This Modification Dates:	12-01-17 – 04-30-2018

Purpose of the Contract:

ADS was selected to provide Information Technology Professional Services. An Indefinite Delivery Indefinite Quantity (IDIQ) contract was executed with ADS. The IDIQ contract provides resources for staff augmentation and long and short-term projects. These services are used when it is not feasible for DC Water to permanently hire staff for projects of short duration and where specialized or unique skills are required. There is no guaranteed spend with any of the selected vendors.

Original Contract Scope:

To provide IT professional and staff augmentation services on an as-needed basis. There are several projects that have multiple assignments as follows:

<p>Maximo Software</p> <ul style="list-style-type: none"> • Integration of Kona Field Service • Maximo Anywhere for Plant Operations • Customer Information Billing System Integration 	<p>Local Area (LAN)/Wide Area Network (WAN)</p> <ul style="list-style-type: none"> • Supervisory Control and Data Acquisition System (SCADA) • Disaster Recovery • Daily Maintenance of DC Water internal and external network • Windows Administration <ul style="list-style-type: none"> ➢ Remote Access ➢ Support for Customer Information System ➢ Daily maintenance of DC Water internal network ➢ Storage Administration ➢ Disaster Recovery
<p>Geographical Information System (GIS)</p> <ul style="list-style-type: none"> • Integration of GIS with the Customer Information Billing System 	
<p>Project Management</p> <ul style="list-style-type: none"> • LiveLink Upgrade • Mobility Blue Plains Operations • Mobility Field Operations • Connected Drinking Fountains • Customer Information System 	

Reason for Change:

This modification will allow DC Water to continue to use the contract to fulfill IT professional and staff augmentation services requirements through April 30, 2018.

Spending Previous Year:

Cumulative Contract Value:	05-01-2017 to 04-30-2018: \$975,000.00
Cumulative Contract Spending:	05-01-2017 to 09-30-2017: \$459,391.50

Contractor's Past Performance:

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

BUDGET INFORMATION

Funding:	Capital Equipment	Department:	Information Technology
Project Area:	DC Water Wide	Department Head:	Thomas Kuczynski
Project:	EQP2115		

ESTIMATED USER SHARE INFORMATION

User – Capital Equipment	Share %	Dollar Amount
District of Columbia	68.91%	\$258,825.96
Washington Suburban Sanitary Commission	24.14%	\$90,669.84
Fairfax County	4.51%	\$16,939.56
Loudoun Water	2.01%	\$7,549.56
Other (PI)	0.43%	\$1,615.08
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$375,600.00

BUDGET INFORMATION

Funding:	Operating	Department:	Information Technology
Project Area:	DC Water Wide	Department Head:	Thomas Kuczynski

User – Operating	Share %	Dollar Amount
District of Columbia	83.65%	\$471,284.10
Washington Suburban Sanitary Commission	12.07%	\$68,002.38
Fairfax County	2.84%	\$16,000.56
Loudoun Water	1.25%	\$7,042.50
Other (PI)	0.19%	\$1,070.46
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$563,400.00

User – Combined	Share %	Dollar Amount
District of Columbia	77.75%	\$730,110.06
Washington Suburban Sanitary Commission	16.90%	\$158,672.22
Fairfax County	3.51%	\$32,940.12
Loudoun Water	1.55%	\$14,592.06
Other (PI)	0.29%	\$2,685.54
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$939,000.00

NOTE: The User Share percentages in the final table are estimates based on the expected work to be performed under this contract.

Joseph M. Edwards (acting) / 11/9/17
 Thomas Kuczynski Date
 Chief Information Officer

[Signature] / 11/9/17
 Dan Bae Date
 Director of Procurement

Matthew T. Brown / 11/9/2017
 Matthew T. Brown Date
 Chief Financial Officer

George S. Hawkins / 11-17-2017
 George S. Hawkins Date
 General Manager

Presented and Approved: December 7, 2017
SUBJECT: Approval to Execute Option Year Two of Contract No. 15-PR-DWT-35, Polydyne, Inc.

#17-80
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 December 7, 2017 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Option Year Two of Contract No. 15-PR-DWT-35, Polydyne, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Option Year Two of Contract No. 15-PR-DWT-35, Polydyne, Inc. The purpose of the option is to continue providing belt press polymers to reduce the water content and increase solids content of the Class A biosolids. The option amount is \$1,733,200.

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

**Supply and Delivery of Dewatering Polymers
(Joint Use)**

Approval to exercise option year 2 for the dewatering polymers supply and delivery contract in the amount of \$1,733,200.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Polydyne, Inc. One Chemical Plant Road Riceboro, GA 31323	SUBS:	PARTICIPATION:
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$1,575,000.00
Original Contract Dates:	10-01-2015 – 09-30-2016
No. of Option Years in Contract:	2
Prior Modifications Value:	\$422,752.00
Prior Modifications Dates:	01-08-2016 – 12-31-2016
Option Year 1 Value:	\$1,860,603.00
Option Year 1 Dates:	01-01-2017 – 12-31-2017
Option Year 2 Value:	\$1,733,200.00
Option Year 2 Dates:	01-01-2018 – 12-31-2018

Purpose of the Contract:

To purchase and receive the belt press polymers. These polymers help to reduce the water content and increase solids content of the Class A biosolids.

Contract Scope:

DC Water consumes dewatering polymers continuously. The polymers supplied under this contract are used in the Final Dewatering Facility at the Blue Plains Advanced Wastewater Treatment Facility.

In the belt press dewatering operations, polymers are used to help remove water from biosolids after the digestion process. Dewatering biosolids improves the quality of this important co-product by increasing the solids content.

Spending Previous Year:

Cumulative Contract Value:	10-01-2015 to 12-31-2017: \$3,853,355.00
Cumulative Contract Spending:	10-01-2015 to 10-25-2017: \$3,635,629.00

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 and requirements.

No LSB/LSBE participation

PROCUREMENT INFORMATION


Contract Type:	Fixed Price	Award Based On:	Lowest Responsive
Commodity:	Good and Services	Contract Number:	15-PR-DWT-35
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION

Funding:	Operating	Department:	Wastewater Treatment
Project Area:	Blue Plains AWTP	Department Head:	Salil Kharkar

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	41.92%	\$726,557.44
Washington Suburban Sanitary Commission	43.33%	\$750,995.56
Fairfax County	9.81%	\$170,026.92
Loudoun Water	4.29%	\$74,354.28
Other (PI)	0.65%	\$11,265.80
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$1,733,200.00

 / 11/6/17
 Akile Tesfaye
 Assistant General Manager,
 Blue Plains
 Date

 / 11/7/17
 Dan Bae
 Director of Procurement
 Date

 11/8/2017
 Matthew T. Brown
 Chief Financial Officer
 Date

 / 11-17-2017
 George S. Hawkins
 General Manager
 Date

Presented and Approved: December 7, 2017

SUBJECT: Approval to Execute Additional Funding for Option Year One, Contract No. 16-PR-DSS-63, Dynamic Concepts, Inc.

**#17-81
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 December 7, 2017 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute additional funding for Option Year One of Contract No. 16-PR-DSS-63, Dynamic Concepts, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute additional funding for Option Year One of Contract No. 16-PR-DSS-63, Dynamic Concepts, Inc. The purpose of the additional funding is to continue providing resources required to locate, identify, and appropriately mark underground utilities prior to excavation work being conducted in the vicinity of these utilities within DC, Maryland and Virginia. The additional funding amount is \$1,353,130.

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

**Underground Utility Locating and Marking
(Joint Use)**

Approval to add funding for Option Year 1 and Option Year 2 for the Underground Utility Locating and Marking contract in the amount of \$1,353,130.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Dynamic Concepts, Inc. 1730 17th Street, NE Washington, DC 20002 LSBE	SUBS: N/A	PARTICIPATION: 100%
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DESCRIPTION AND PURPOSE

Base Period Contract Value:	\$784,065.00
Original Contract Dates:	10-1-2016 – 9-30-2017
No. of Option Years in Contract:	2
Option Year 1 Value:	\$215,000.00
Option Year 1 Dates:	10-1-2017 – 9-30-2018
Option Year 1 Modification Value:	\$569,065.00
Option Year 1 Modification Dates:	12-11-2017 – 9-30-2018
Option Year 2 Value:	\$784,065.00
Option Year 2 Dates:	10-1-2018 – 9-30-2019

Purpose of the Contract:

To provide the resources required to locate, identify, and appropriately mark underground utilities prior to excavation work being conducted in the vicinity of these utilities.

To ensure continuity of operations, Option Year One for this contract was executed on October 1, 2017 with a portion of the required funding for the fiscal year, \$215,000.00. This request will approve the remaining funding required for Option Year One, \$596,065.00, as well as the full amount of funding required for Option Year 2, \$784,065.00, for a total of \$1,353,130.00.

Contract Scope:

This contract provides DC Waters Department of Sewer Services and Department of Water Services with the labor, management, supervision, personnel, and equipment required to locate, identify, and appropriately mark underground utilities prior to excavation work being conducted in the vicinity of these utilities within DC, Maryland and Virginia

Spending Previous Year:

Cumulative Contract Value:	10-1-2016 to 9-30-2017: \$784,065.00
Cumulative Contract Spending:	10-1-2016 to 9-30-2017: \$685,534.00

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 or exceed expectations and requirements.

PROCUREMENT INFORMATION


Contract Type:	Fixed Unit Price	Award Based On:	Highest-Ranking Score
Commodity:	Services	Contract Number:	16-PR-DSS-63
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION


Funding:	Joint Use - Indirect - Operating	Department:	Sewer Services/Water Services,
Project Area:	Sewer Services	Department Head:	Jason Hughes


ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	83.65%	\$1,131,893.25
Washington Suburban Sanitary Commission	12.07%	\$163,322.79
Fairfax County	2.84%	\$38,428.89
Loudoun County	1.25%	\$16,914.13
Potomac Interceptor	0.19%	\$2,570.95
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$1,353,130.00


 Charles Kiely
 Assistant General Manager,
 Customer Care and Operations
 11/17/17
 Date


 Dan Bae
 Director of Procurement
 11/7/17
 Date


 Matthew T. Brown
 Chief Financial Officer
 11/9/2017
 Date


 George S. Hawkins
 General Manager
 11-17-2017
 Date

Presented and Approved: December 7, 2017

SUBJECT: Approval to Execute a Contract Modification for Additional Funding for Contract No. 17-PR-DIT-06G Networking for Future, Inc. (NFF)

**#17-82
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 December 7, 2017 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute a contract modification for additional funding for Contract No. 17-PR-DIT-06G, Networking for Future, Inc. (NFF).

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute a contract modification for additional funding for Contract No. 17-PR-DIT-06G, Networking for Future, Inc. (NFF). The purpose of the additional funding is to continue providing IT professional and staff augmentation services requirements through April 30, 2018. The additional funding amount is \$985,000.

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 MODIFICATION
IT PROFESSIONAL SERVICES**

(Joint Use)

Approval to execute a contract modification to add funding to the contract base period in the amount of \$985,000.00 for IT professional service projects.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Networking for Future, Inc. (NFF) 1331 Pennsylvania Avenue, Suite 1210 Washington, DC 20004 LSBE	SUBS: N/A	PARTICIPATION: 100%
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$500,000.00
Original Contract Dates:	05-01-2017 – 04-30-2018
No. of Option Years in Contract:	2
Modification No. 1 Value:	\$250,000.00
Modification No. 1 Dates:	08-16-2017 – 04-30-2018
Modification No. 2 Value:	\$240,000.00
Modification No. 2 Dates:	011-01-2017 – 04-30-2018
This Modification Value:	\$985,000.00
This Modification Dates:	12-01-17 – 04-30-2018

Purpose of the Contract:

NFF was selected to provide Information Technology Professional Services. An Indefinite Delivery Indefinite Quantity (IDIQ) contract was executed with NFF. The IDIQ contract provides resources for staff augmentation and long and short-term projects. These services are used when it is not feasible for DC Water to permanently hire staff for projects of short duration and where specialized or unique skills are required. There is no guaranteed spend with any of the selected vendors.

Original Contract Scope:

To provide IT professional and staff augmentation services on an as-needed basis. Currently, NFF provides daily help desk support, project management for the e-permits project, the migration of SharePoint on premise to SharePoint on-line and systems administration.

Reason for Change:

This modification will allow DC Water to continue to use the contract to fulfill IT professional and staff augmentation services requirements through April 30, 2018.

Spending Previous Year:

Cumulative Contract Value:	05-01-2017 to 04-30-2018: \$990,000.00
Cumulative Contract Spending:	05-01-2017 to 09-30-2017: \$564,585.59

Contractor's Past Performance:

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

PROCUREMENT INFORMATION

Contract Type:	Firm Fixed Rate	Award Based On:	Highest Rating
Commodity:	Professional Services	Contract Number:	17-PR-DIT-06G
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION

Funding:	Capital Equipment	Department:	Information Technology
Project Area:	DC Water Wide	Department Head:	Thomas Kuczynski
Project:	EQP2115		

ESTIMATED USER SHARE INFORMATION

User – Capital Equipment	Share %	Dollar Amount
District of Columbia	68.91%	\$271,505.40
Washington Suburban Sanitary Commission	24.14%	\$95,111.60
Fairfax County	4.51%	\$17,769.40
Loudoun Water	2.01%	\$7,919.40
Other (PI)	0.43%	\$1,694.20
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$394,000.00

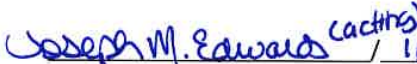
BUDGET INFORMATION

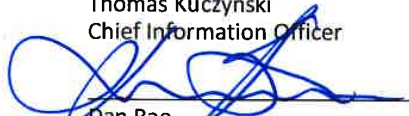
Funding:	Operating	Department:	Information Technology
Project Area:	DC Water Wide	Department Head:	Thomas Kuczynski

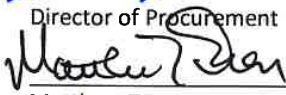
User – Operating	Share %	Dollar Amount
District of Columbia	83.65%	\$494,371.50
Washington Suburban Sanitary Commission	12.07%	\$71,333.70
Fairfax County	2.84%	\$16,784.40
Loudoun Water	1.25%	\$7,387.50
Other (PI)	0.19%	\$1,122.90
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$591,000.00

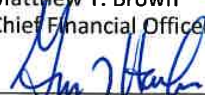
User – Combined	Share %	Dollar Amount
District of Columbia	77.75%	\$765,876.90
Washington Suburban Sanitary Commission	16.90%	\$166,445.30
Fairfax County	3.51%	\$34,553.80
Loudoun Water	1.55%	\$15,306.90
Other (PI)	0.29%	\$2,817.10
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$985,000.00

NOTE: The User Share percentages in the final table are estimates based on the expected work to be performed under this contract.

 (acting) / 11/9/17
 Thomas Kuczynski Date
 Chief Information Officer

 / 11/9/17
 Dan Bae Date
 Director of Procurement

 / 11/9/2017
 Matthew T. Brown Date
 Chief Financial Officer

 / 11-17-2017
 George S. Hawkins Date
 General Manager