



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY  
233rd MEETING OF THE BOARD OF DIRECTORS**

**Thursday, July 6, 2017**

**9:30 a.m.**

**5000 Overlook Avenue, SW**

**Room 407**

**(Signing of the Successor Agreement following Board meeting)**

**I. Call to Order (Chairman Matthew Brown)**

**II. Roll Call (Linda Manley, Board Secretary)**

**III. Approval of June 1, 2017 Minutes**

**IV. Chairman's Overview**

**V. Committee Reports**

1. [Special Human Resource and Labor Relations Committee \(Bradley Frome\)](#)
2. [Environmental Quality and Sewerage Services Committee \(James Patteson\)](#)
3. [Finance and Budget Committee \(Timothy Firestine\)](#)

**VI. Issues of General Interest**

- [Northeast Boundary Tunnel Presentation](#)

**VII. [CEO/General Manager's Report \(George Hawkins\)](#)**

**VIII. [Summary of Contracts \(FYI\)](#)**

**IX. Consent Items (Joint Use)**

1. [Adoption of Collective Bargaining Agreement on Working Conditions between DC Water and the Unions Comprising Compensation Unit 31 \(AFGE Locals 631, 872 and 2553; AFSCME Local 2091; and NAGE Local R3-06\) – Resolution No. 17-42 \(Recommended by the Human Resources and Labor Relations Committee 06/08/17\)](#)
2. [Approval to Execute Option Year One of Contract No. 16-PR-DWT-41A, Colonial Chemicals, Inc. – Resolution No. 17-43 \(Recommended by Environmental Quality and Operations Committee 06/15/17\)](#)
3. [Approval to Execute Option Year One of Contract No. 16-PR-DWT-41B, Mitsubishi International Corp. – Resolution No. 17-44 \(Recommended by Environmental Quality and Operations Committee 06/15/17\)](#)
4. [Approval to Execute Contract No. 140150, Salini Impregilo S.A. Healy JV – Resolution No. 17-45 \(Recommended by Environmental Quality and Operations Committee 06/15/17\)](#)

5. [Approval to Execute Contract No. 170050, Anchor Construction Corp. – Resolution No. 17-46](#) (Recommended by Environmental Quality and Operations Committee 06/15/17)
6. [Approval to Execute Contract No. WAS-12-027-AA-SS, Aon Risk Solutions – Resolution No. 17-47](#) (Recommended by Finance and Budget Committee 06/22/17)
7. [Approval to Transfer Part of FY 2017 Projected Net Cash Surplus to the Rate Stabilization Fund – Resolution No. 17-48](#) (Recommended by Finance and Budget Committee 06/22/17)

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

None

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

**XII. Adjournment (Chairman Matthew Brown)**

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

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

- Governance Committee – Wednesday, July 12<sup>th</sup> @ 9:00 a.m.
- Human Resources and Labor Relations Committee – Wednesday, July 12<sup>th</sup> @ 11:00 a.m.
- Environmental Quality and Operations Committee – Thursday, July 20<sup>th</sup> @ 9:30 a.m.
- DC Retail Water and Sewer Rates Committee – Tuesday, July 25<sup>th</sup> @ 9:30 a.m.
- Audit Committee – Thursday, July 27<sup>th</sup> @ 9:30 a.m.
- Finance and Budget Committee – Thursday, July 27<sup>th</sup> @ 11:00 a.m.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**

**BOARD OF DIRECTORS**

Human Resources and Labor Relations

Committee

*June 8, 2017*

*10:00 am*

*(via conference call)*

**MEETING MINUTES**

**Committee Members Present**

Bradley Frome, Chairman  
Ellen Boardman, Vice Chair  
Matthew Brown, Chairman of the Board

**DC Water Staff Present**

George Hawkins, CEO/General Manager  
C. Mustafa Dozier, Chief of Staff  
Elizabeth Stachura, Manager, Labor Relations  
Henderson Brown, General Counsel  
Linda R. Manley, Board Secretary

**1. Call to Order**

Chairman Bradley Frome called the meeting to order at 10:02 a.m.

**2. Executive Session**

Mr. Frome requested a motion to move into Executive Session to discuss personnel matters pursuant to D.C. Official Code Section 2-575(b)(10). Ms. Manley conducted a roll call and the Committee convened into an Executive Session at 10:03 a.m.

The Committee reconvened into open session and a recommendation was made to forward the successor union agreement to the Board for approval.

**3. Adjournment**

The meeting adjourned at 10:22 a.m.



**District of Columbia  
Water and Sewer Authority**

**Board of Directors**

**Environmental Quality and Operations  
Meeting**

*Thursday, June 15, 2017*

*9:30 a.m.*

**MEETING SUMMARY**

**Committee Members**

James Patteson, Chairperson  
Howard Gibbs, Vice Chairperson  
David Lake  
Anthony Giancola

**DC Water Staff Present**

George Hawkins, CEO/General Manager  
Leonard Benson, Chief Engineer  
Linda R. Manley, Secretary to the Board  
Gregory Hope, Assistant General Counsel  
Mustaafa Dozier, Chief of Staff

**Other Board Member**

Ivan Frishberg

**I. Call to Order**

Mr. Patteson called the meeting to order at 9:30 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 also stated that DC Water’s Blue Plains Advanced Wastewater Treatment Facility had been nominated to receive the National Association of Clean Water Agencies (NACWA) 2017 Platinum Award given to treatment plants with zero National Pollutant Discharge Elimination System (NPDES) permit violations for a consecutive 5 years.

The Committee inquired as to why the Combined Heat and Power (CHP) facility generated only a modest 19% of total energy consumed at Blue Plains in the month of May 2017. Mr. Tesfaye responded by stating that in May, the waste heat generated from the three combustion turbines was not enough to operate waste heat boilers and meet the thermal hydrolysis/digestion steam demand. As a result, significant amounts of digester gas, typically used to operate the combustion turbines, was diverted to continuously operate an auxiliary boiler to supply adequate steam required to process solids through thermal hydrolysis and digestion. In addition, the air permit stipulates that only one turbine waste heat boiler can remain in operation when the auxiliary boiler is in use. Therefore, CHP generation was limited to only 121 MWH or 19% of energy use in Blue Plains.

The Committee requested DC Water prepare a presentation to discuss the power generation and cost sharing agreements with PEPCO. The Committee also inquired as to why there were some variations in the performance of annual total nitrogen (TN) removal. Mr. Tesfaye replied that factors such as seasonal performance (i.e., lower TN removal during winter months) influence such slight variations but highlighted that the Plant is still performing significantly better than the EPA mandated permit limits.

The Committee commended DC Water for the consistent and outstanding performance of the Blue Plains Advanced Wastewater Treatment Plant facility.

### **III. DIVISION J – NORTHEAST BOUNDARY TUNNEL**

Mr. Carlton Ray, Director, DC Clean Rivers (DCCR) Project, gave a briefing on the procurement process for the Northeast Boundary Tunnel (NEBT) project.

Mr. Ray stated that the Northeast Boundary Tunnel project will address two major issues affecting the District, namely, alleviating some of the 2.1 billion gallons of untreated sewage and stormwater runoff (combined sewage) that is discharged to the Anacostia River annually and chronic sewer flooding that consistently affects certain neighborhoods in the District. Next, Mr. Ray discussed the alignment and construction sites of the tunnel project, highlighting the eleven (11) shafts that will be constructed across the project area. Fort Myer Construction company is conducting utility relocations at each of the shaft locations prior to the construction work under the NEBT contract. DC Water is preparing extensive public outreach measures at each location where construction will be affecting residents.

Mr. Ray mentioned that the Northeast Boundary Tunnel will be a concrete tunnel measuring 23 feet in diameter, 60 feet to 160 feet deep and 27,000 feet long. It will have 5 diversion chambers, 7 drop shafts, 6 adits and a combination of stormwater inlets, diversion sewers and vent vaults. Although odor is not expected to be an issue with the tunnel project, an 84,000 cfm Ventilation Control Facility will also be constructed. The Committee inquired how DC Water will control the activation of the long-term CSO control treatment processes at Blue Plains. Mr. Ray explained that pumps at the treatment plant will be activated on an as-needed basis when combined flow is detected in the tunnel, based on decisions of controllers and operators at Blue Plains. The Committee requested the General Manager provide a briefing on the readiness level of DC Water in regards to projected staffing needs (i.e., Operators, Controllers, Technicians, etc.) when the LTCP Tunnel and Treatment Facilities are commissioned.

Mr. Ray stated that cost allocation for the construction of the Tunnel project is determined by the Blue Plains Intermunicipal Agreement (IMA) of 2012 policy on Multi-Jurisdictional Use Facilities (MJUF). Per the agreement, DC Water shall make a determination as to the extent to which any facility is utilized by one or more entities and is considered a MJUF. Next, the IMA Regional Committee will recommend a cost allocation to the IMA Leadership Committee. In regards to the CSO Long-term Control Plan (LTCP) project, including the construction of the Northeast Boundary Tunnel, the suburbs will pay a 7.1% share of capital cost for construction of any facility determined to be MJUF. In the event of any modification of the construction of the LTCP, DC Water shall evaluate performance assumptions to determine if capital cost allocations should be modified and present findings to the Regional Committee, which in turn may recommend revisions to the Leadership Committee.

Next, Mr. Ray described the Anacostia Tunnel System profile and restated the project's dual purpose of alleviating chronic flooding issues and eliminating the release of untreated sewage and combined sewage to the Anacostia River. The Committee inquired how changing climate models are factored in the design of the project. Mr. Ray and Mr. George Hawkins, CEO and General Manager, DC Water, replied that the design incorporated and accounted for projected climate change. Specifically the diversion structures and key components of the tunnel system are oversized by over 20 percent of current projected need. In addition, DC Water maintains the capability of constructing green infrastructure at the surface to further alleviate issues relating to climate change and projected variations in the peak flows due to extreme weather events.

Mr. Ray mentioned that the Northeast Boundary Tunnel project adopted a design-build procurement process and highlighted the benefits of such an approach. In addition, he summarized the procurement process noting that the Technical Proposal score range was from a low of 21.6 to high of 29.8 on a 35 point scale. Salini Impregilo SA Healy joint venture had the highest technical score. The Committee inquired if DC Water had worked with the selected contractor in the past. Mr. Ray replied in the affirmative.

Mr. Ray also discussed the results of the evaluation of price proposals after completion of evaluation of technical proposals. He mentioned that the bid price ranged from \$579,975,000.00 to \$687,114,197.00 on a 65-point scale. Salini Impregilo SA Healy Joint Venture had the lowest price proposal in addition to having the highest technical proposal score and therefore provided the best value. The Committee inquired if DC Water anticipates any challenges to the selection of the preferred Contractor. Mr. Ray replied that there have been no protests thus far but that DC Water will respond appropriately and according to rules governing such disputes in the event that a protest occurs. The Committee also inquired if the bidding contractors had been compensated for the pre-bid collaboration they did with DC Water. Mr. Ray responded that a \$475,000 stipend will be paid to each of the proposers, other than the one selected for award, for the 6-month collaboration work they provided with DC Water.

The Committee inquired as to the mitigation plans being prepared to lessen construction related impacts and disturbances to District neighborhoods. Mr. Ray responded by stating that DC Water had learned a great deal from recently completed tunneling projects in the District and plan to implement all the lessons learned on this upcoming project. In addition, DC Water's Office of External Affairs is gearing up to aggressively engage the community via public meetings, community tours and educational programs regarding the upcoming project and its benefits to the District. He added that a portion of the project budget has been allocated specifically for public outreach and coordination. Mr. Hawkins added that DC Water would be pleased to prepare a presentation specifically on planned public outreach, community engagement and neighborhood impact mitigation to the Committee. The Committee requested that the presentation include DC Water's safety records on the previous DCCR tunneling projects as well. Mr. Ray and Mr. Hawkins responded that the Committee's suggestion will be incorporated.

In conclusion, Mr. Ray stated that it is the Contracting Officer's recommendation that the Salini Impregilo SA Healy joint venture be awarded the design-build contract in the amount of \$579,975,000.

#### **IV. ACTION ITEMS**

##### **JOINT USE**

1. Contract No. 16-PR-DWT-41A – Supply and Delivery of Methanol, Colonial Chemicals
2. Contract No. 16-PR-DWT-41B – Supply and Delivery of Methanol, Mitsubishi International
3. Contract No. 140150 – Anacostia River Combined Sewer Overflow Control Projects Division J – NE Boundary Tunnel, Salini Impregilo SA Healy JV
4. Contract No. 170050 – Emergency Sewer Main Infrastructure Repair & Replacement, Anchor Construction Corporation

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

**Action Item 1:** Request to exercise option year 1 of one of two contracts for supply and delivery of methanol to meet the nitrogen discharge limits required by the Environmental Protection Agency (EPA) and DC Water's operating permit.

The Committee inquired as to how the estimated user shares were calculated. Mr. Bosley replied that they are calculated based on criteria agreed upon in the Inter-municipal Agreement (IMA) governing use of multi-jurisdictional use facilities (MJUF).

**Action Item 2:** Request to exercise option year 1 of one of two contracts for supply and delivery of methanol to meet the nitrogen discharge limits required by the EPA and DC Water's operating permit.

**Action Item 3:** Request to approve a design-build contract to provide design services and construction of the Division J – Northeast Boundary Tunnel in support of the DC Clean Rivers project. This work is required by a Consent Decree and in accordance with the Mayor's Task Force Report.

Mr. Len Benson, Chief Engineer, DC Water, also briefed the Committee on the subcontracting plan for the design-build project. He explained that the reason the prime contractor was, at this point in the design process, apparently short of fulfilling the US EPA Fair Share objective for the construction portion of the project was due to no availability of M/WBE subcontractors to do certain technically specialized construction activities. Nevertheless, Mr. Benson added that the contractor is continuing to pursue opportunities to meet or exceed these goals as the final design is completed and the construction activities are more clearly known. Mr. Benson explained further that DCWater's experience in the past with this prime contractor has been good in this regard.

The Committee requested that a detailed explanation for the M/WBE participation be provided as an attachment to the fact sheet.

**Action Item 4:** Request to execute a contract for Emergency Sewer Main Infrastructure Repair & Replacement.

The Committee inquired if WSSC and Fairfax County would be able to use the rates provided in this contract to procure similar services with the Contractor for their own needs. Mr. Bosley and Mr. Hawkins replied that DC Water would follow up on that and provide a response.

The Committee recommended all action items to the full Board.

## V. ANACOSTIA 2<sup>ND</sup> HIGH PRESSURE ZONE IMPROVEMENT PROGRAM (A2H PZIP)

Ms. Deidre Saunders, Construction Manager, DC Water, provided an update to the Committee regarding the Anacostia 2<sup>nd</sup> High Pressure Zone Improvement Program (A2H PZIP). She stated that the purpose of the A2H PZIP program was to address issues tied to historically low water pressure in areas of southeast DC by improving system reliability, increasing water pressure and improving fire flows. The program will remedy these issues by creating a new pressure zone by dividing Anacostia 1<sup>st</sup> High into Anacostia 1<sup>st</sup> High and Anacostia 2<sup>nd</sup> High, and by raising water pressure in the new Anacostia 2<sup>nd</sup> High by 22 psi.

Ms. Saunders stated that the following projects were/are required to create the new A2H pressure zone:

- Small Diameter Water Main Replacements – high pressure areas (contracts 30040, 60060, 90160, 90250 & 110110), completed 2012
- Small Diameter Water Main Replacements – all other project areas (contracts 130050, 130120, 130200 & 140010), completed 2012
- Large Diameter Water Main Replacements – Anacostia transmission mains (contracts 30050 & 60070), completed 2003
- Replacement of Anacostia Pumping Station (contract 40230), completed 2008
- St. Elizabeths Tower and Mains (contract 130170), under construction
- Anacostia 2<sup>nd</sup> High Residential Pressure Reducing Valve (PRV) Installations (contract 170010), under construction
- St. Elizabeths Mitigation, under design
- St. Elizabeths East Campus Water Mains, under construction

Ms. Saunders identified the PRV project and Water Tower projects as the two “capstone projects” remaining to be completed. The St. Elizabeths two million gallons (MG) elevated water tank in southeast DC began construction in April 2016 and is currently 37% complete. The project has a projected operational start date of April 2018. The project for the installation of 1,670 residential PRVs was executed on April 2017. As of June 2, 2017, 588 signed agreements have been completed. The anticipated project completion date is April 2018.

The Committee inquired if DC Water or homeowners were responsible for property disturbance and restoration that is required during the installation of the PRVs. Mr. Saunders replied that DC Water’s responsibility was solely for the plumbing contract (i.e., the installation of the PRV units) and that all restoration responsibilities were to be borne by the homeowner. The Committee expressed the importance of having DC Water inform the homeowners, in sufficient detail, about what the installation of the PRV entails and what construction, other than that specified in the plumbing contract, homeowners will be responsible for covering. To this end, the Committee suggested including information about “associated ancillary costs” that the homeowner may expect to be responsible for, in DC Water’s communication and outreach efforts. Ms. Saunders replied that DC Water would consider that suggestion.

The Committee also mentioned that DC Water, in the past, ceased its Lead Service Replacement (LSR) activities because there were claims that altering existing such service lines may actually lead to increased Lead levels in the system. The Committee inquired if this issue was a concern for DC Water during PRV installations since the project may entail the removal of existing Lead pipes. Ms. Saunders replied that this is of top concern to DC Water and that the project team has devised mitigation plans in the event such an issue arises. The Committee



next inquired if DC Water had considered recommending certified plumbers to residents to carry out PRV installations. Ms. Saunders replied that DC Water had considered it but that the legal aspect of such a measure could be problematic.

Ms. Saunders discussed the ongoing projects and tasks required to commission the new pressure zone.

In conclusion, Ms. Saunders highlighted DC Water's engagement with the community to date regarding the A2H PZIP project.

The Committee inquired what the reason was for installing the PRVs inside the property and not outside. Ms. Saunders replied the DC plumbing code recommends that the PRVs be installed inside the property. She also stated that the cost differential of installing the PRVs inside the property vs. outside was approximately 5 times.

## **VI. FIRE HYDRANT UPGRADE PROGRAM**

Mr. David Wall, Manager, Department of Water Services, DC Water gave an update on the status of public hydrants in the District of Columbia. He stated that of the approximately 9500 public service hydrants, 50 were out of service as of June 2017. Of the 50 that are currently not operational, 27 were operationally defective while 23 were out service because of either nearby water main repairs, non-DC Water construction activities or other hydrant obstructions.

## **VII. WATER QUALITY MONITORING**

Mr. Charles Kiely, Assistant General Manager for Customer Care and Operations, gave a brief update regarding water quality monitoring activities, specifically, regarding Total Coliform Rule testing and Lead and Copper Rule testing. Mr. Kiely mentioned that there were two positive tests last month and that, per regulation, further upstream and downstream tests were conducted to either corroborate or rule out the presence of the bacteria. These additional tests conducted by DC Water revealed no other positives. In regards to LCR testing, Mr. Kiely mentioned that laboratory test results showed the water distribution system to be performing exceptionally well.

## **VIII. ADJOURNMENT**

Meeting adjourned at 11:30 a.m.

### **Follow-up Items**

1. Assistant General Manager for Wastewater Treatment: Prepare a presentation to discuss the power generating performance and cost agreements in place with DC Water and PEPCO.
2. General Manager, DC Water: Provide a briefing on the readiness level of DC Water in regards to projected staffing needs (i.e., Operators, Controllers, Technician, etc.) when the Northeast Boundary Tunnel is commissioned.
3. Director, Clean Rivers Project: Prepare a presentation specifically on planned public outreach, community engagement and neighborhood impact mitigation in relation to the

Northeast Boundary Tunnel project; including DC Water's safety records on previous DCCR tunneling projects.

4. Chief Engineer, DC Water: Provide a detailed explanation for the M/WBE participation on the construction portion of the Northeast Boundary Tunnel project contract as an attachment to the fact sheet.
5. Chief Procurement Officer, DC Water: Provide a response to the Committee regarding whether WSSC and Fairfax County would be able to use the rates provided in the Emergency Sewer Main Infrastructure Repair & Replacement contract to procure similar services with the Contractor for their own needs.
6. Construction Manager, DC Water: DC Water to inform homeowners affected by the PRV project, in sufficient detail, about what the installation of the PRV entails and what other construction other than that specified in the plumbing contract the homeowners will be responsible for. To this end, the Committee suggested including information about "associated ancillary costs" that the homeowner may expect to be responsible for in DC Water's communication and outreach efforts.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**

**Board of Directors**

**Finance and Budget Committee**

**Thursday, June 22, 2017**

**11:00 a.m.**

**MEETING MINUTES**

**Committee Members**

Timothy L. Firestine, Committee Chairperson  
Matthew Brown, Board Chairman  
Ana Harvey

**Other Board Member in Attendance**

David Franco

**DC Water Staff**

George Hawkins, CEO/General Manager  
Robert Hunt, Chief Financial Officer (Acting)  
Henderson Brown, General Counsel  
Syed Khalil, Director, Rates and Revenue  
Lola Oyeyemi, Director, Budget  
Tanya DeLeon, Manager, Risk Management  
Linda Manley, Secretary to the Board

**Other Guests**

Joe Underwood, Albert Risk Management  
Bruce MacDonald, Albert Risk Management

**Call to Order**

Chairperson Timothy L. Firestine called the meeting to order at 11:01 a.m.

**May 2017 Financial Report**

Lola Oyeyemi, Director, Budget, reported that with 67 percent of the fiscal year completed, the financials are on track with budgetary expectations with the exception of capital disbursements which are projected to be higher than budget. Total operating revenues are at \$412.5 million or 69.3 percent of budget, operating expenditures at \$315.4 million or 58.9 percent and capital disbursements at \$360.6 million or 71.1 percent of budget in the respective categories.

Ms. Oyeyemi provided the monthly report by exception noting that the operating expenditures were consistent with previously reported projections with savings in the areas of chemicals, biosolids hauling and utilities. She apprised the committee that additional 5MW of the Authority's electric usage has been procured for FY 2018 and FY 2019. She noted that the Department of Engineering and Technical Services will provide a detailed review on the status of the capital projects, to the Committee in September 2017.

Board Chairman, Matthew Brown, wanted to know the status of the accounts disputed by the DC Government. Syed Khalil, Director Rates and Revenue responded that most of the disputed accounts have been resolved and the rest are expected to be resolved soon. Chairperson Firestine inquired as to why "Other Revenue" category was lower than budget. Mr. Khalil explained that receipts in this category were slightly lower than the budget primarily due to IMA Inter-Municipal Agreement Indirect Cost Reimbursement on Capital Projects. The \$3.4 million has been received but was inadvertently posted to capital instead of operating. Robert Hunt, Acting Chief Financial Officer, further clarified that the amount has been reclassified from capital to operating and will be reflected in the June 2017 report.

Ms. Oyeyemi reported that management has informed the IMA customers that their FY 2017 fourth quarter bill will be offset by the proportionate share of the underspending reflected in the FY 2017 operating year-end projections. The FY 2019 budget process is currently underway with Committee reviews and Board action anticipated in Fall 2017. She also highlighted that the external auditors will be on site from June 26 to July 21 to begin the FY 2017 year-end interim audit process. The internal auditors are currently conducting an IMA Billing audit and anticipate final report to the Audit Committee in July.

### **FY 2017 Projected Net Cash Surplus Recommendation**

Mr. Hunt presented an overview and management's recommendation of the FY 2017 projected net cash surplus of \$10.8 million. He stated that management is recommending that \$10 million be transferred to the Rate Stabilization Fund (RSF), with the remaining to be kept as cash balance over the target. This transfer will bring the total RSF balance to \$61.45 million. He reviewed the Board Resolution #10-76 which adopted the current Rate Stabilization Fund Policy and Board Resolution #11-10 stating Rate Setting Policies.

In response to Board member David Franco's question on the utilization of the RSF, George Hawkins, CEO/ General Manager explained that the Board determines the utilization as part of the budget process. Board member Ana Harvey inquired how much was in the RSF initially, since the funds were depleted previously and almost depleted now. Mr. Hunt noted that the ten-year financial plan has a goal of attaining a \$100 million balance in RSF with no current withdrawals planned. Board Chairman Matthew Brown, also inquired if there was any flexibility on utilizing the funds from RSF and if anything precludes the Board from transferring the \$10 million from the RSF to Pay-Go. Mr. Hawkins provided several scenarios and clarified that the process provides DC Water with the flexibility and several options based on the recommendation and approval by the Board.

Mr. Hunt stated that the review of the RSF policy is revisited every five years and will be undertaken during FY 2018.

### **Insurance Renewal Update**

Tanya DeLeon, Risk Manager, provided an overview of the Authority's insurance renewal for the July 1 2017 coverage. She noted that this is a follow-up to last month's report to the committee and explained that the actual quotes for the premiums have come in and the property coverage is under \$1 million due to the reappraisal of the Blue Plains Plant and new construction. She also

stated that the excess liability coverage renewal premium is flat at \$1.197 million and that the total increase from last year's coverage is approximately 8 percent, which is lower than the 11.9 percent initially anticipated.

Mr. David Franco, wanted further explanation on how the 17 percent year to year increase in premiums compared to the other rates of 11.9 percent and 8 percent. Ms. DeLeon, explained that this was due to the change in the appraised property value from \$672 million to \$658 million, and has been reflected in the actual quote of 8%.

### **Action Items**

Ms. DeLeon provided a brief overview of the ROCIP III status and the new ROCIP IV. She explained that the contract modification is to extend services to cover safety and administrative services for enrollment and claims as it relates to active projects.

The Committee recommended to move the following action items for the Board's consideration:

- Transfer of \$10 million from the FY 2017 projected net cash surplus to the Rate Stabilization Fund
- Contract modification for the insurance brokerage and administrative services for Rolling Owner-Controlled Insurance Program (ROCIP III)

### **Adjournment**

Hearing no further business, Chairperson Firestine adjourned the meeting at 11:33 a.m.

### **Follow-up Items**

1. Request for information on the historical contributions to the RSF and the uses of the funds **(Mr. David Franco)**
2. Provide an overview of the use of Pay-Go and debt proceeds to determine the target cash balance **(Chairperson Firestine)**



District of Columbia Water and Sewer Authority  
George S. Hawkins, CEO and General Manager

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***Briefing on:***

***DC CLEAN RIVERS PROJECT  
Northeast Boundary Tunnel Procurement***

***Briefing for:***

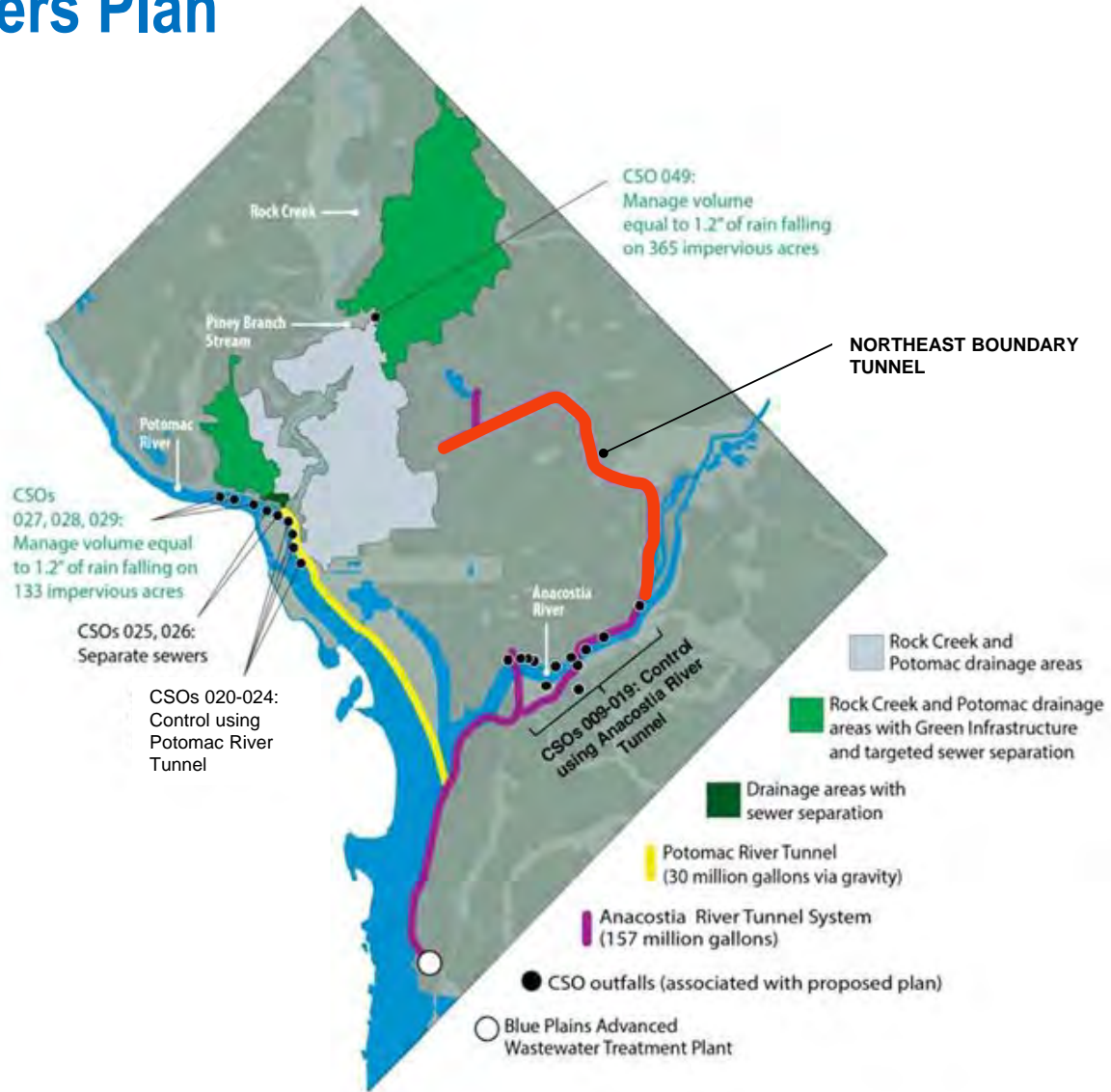
***DC Water Board of Directors***

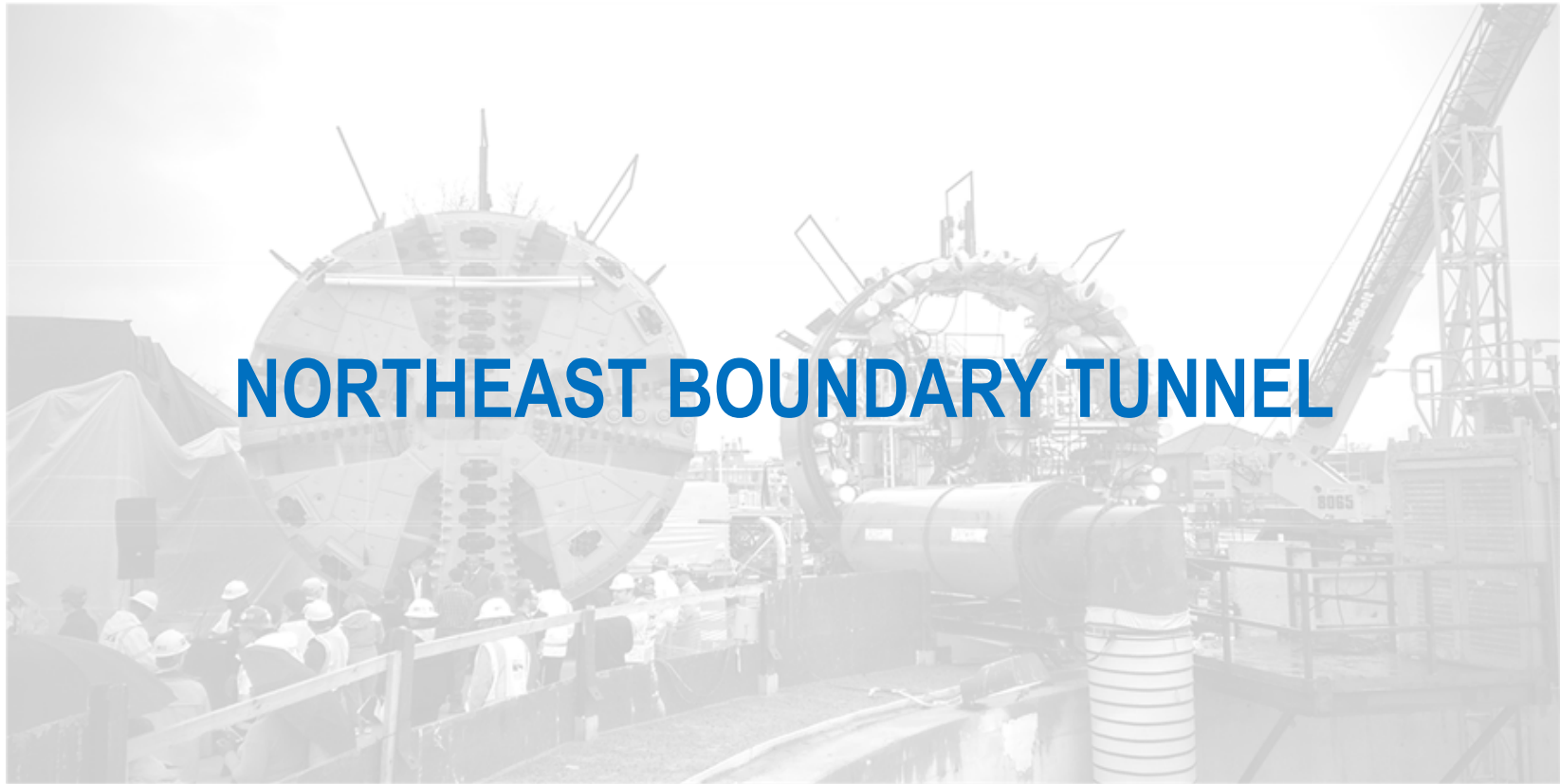
July 6, 2017



**DCWATER.COM**

# Clean Rivers Plan







# Northeast Boundary Tunnel Magnitude of the Challenge

## ► Combined Sewer Overflows



CSO Discharge to Anacostia River



Trash in Anacostia River

On average, **2.1 billion gallons** of untreated sewage and stormwater runoff (combined sewage) are discharged to the Anacostia River per year.

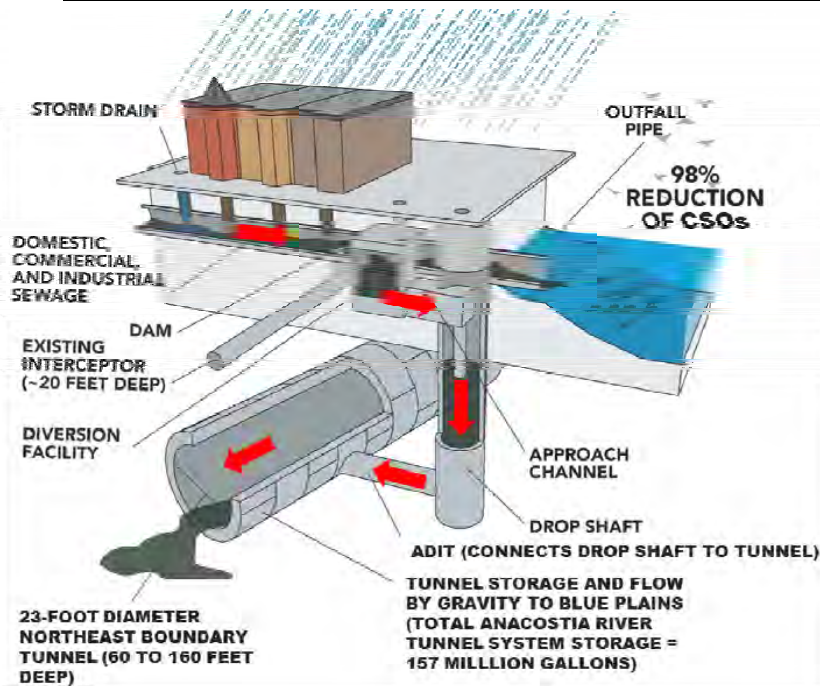
## ► Chronic Sewer Flooding



Current chance of flood occurring in any given year	50% (2-year storm)
Chance of flood after Northeast Boundary Tunnel	7% (15-year storm)**

\*\*Any remaining flooding will be dramatically reduced

# Northeast Boundary Tunnel Alignment and Construction Sites



## Measures to address climate change:

- Diversion facilities and tunnel designed with a safety factor of 20% (climate change)
- Diversion chambers are adjustable to allow more flow into tunnel system
- Tunnel system north of W Street is oversized to convey additional flood flows in case future expansion is required
- Tunnel Dewatering Pumping Station is expandable at Blue Plains (250 to 500 MGD)



# Northeast Boundary Tunnel Major Components



First Street Tunnel Example: First and V Streets NW, Diversion Chambers and Drop Shaft

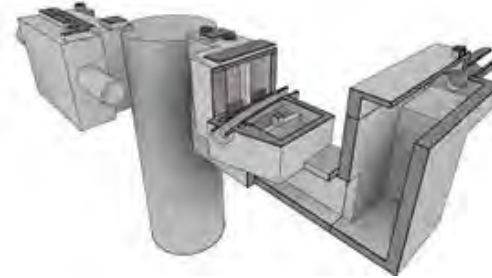
### Quick Facts:

- DC Water's largest project to date
- Largest component of Clean Rivers Project
- Final component of Mayor's Task Force action items
- 5 miles in length
- 23 feet in diameter

**A** 23-ft Dia, 27,000-ft long, Precast Concrete Tunnel

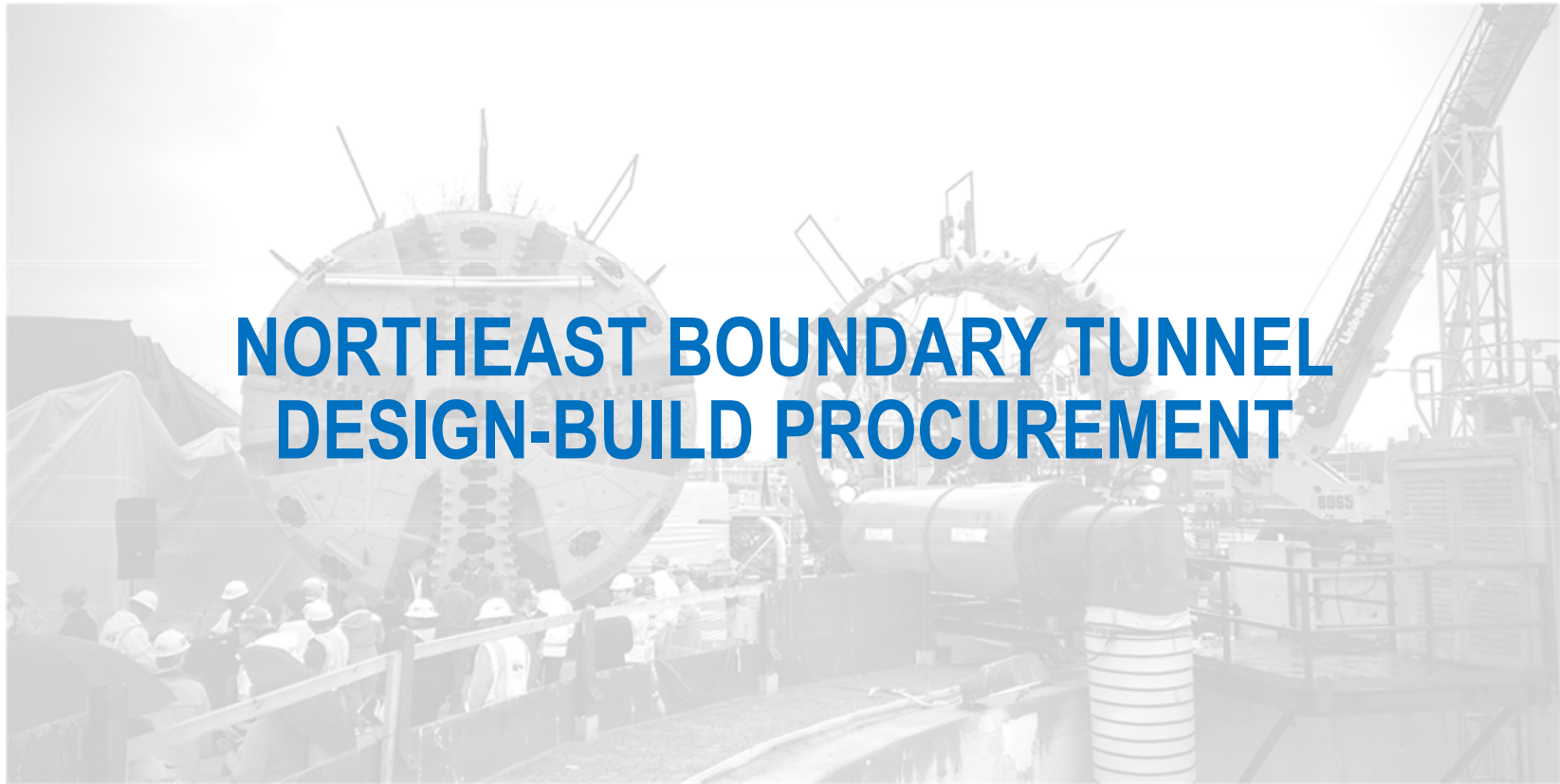


**B** 5 Diversion Chambers, 7 Drop Shafts, 6 Adits, Stormwater Inlets, Diversion Sewers, Vent Vaults



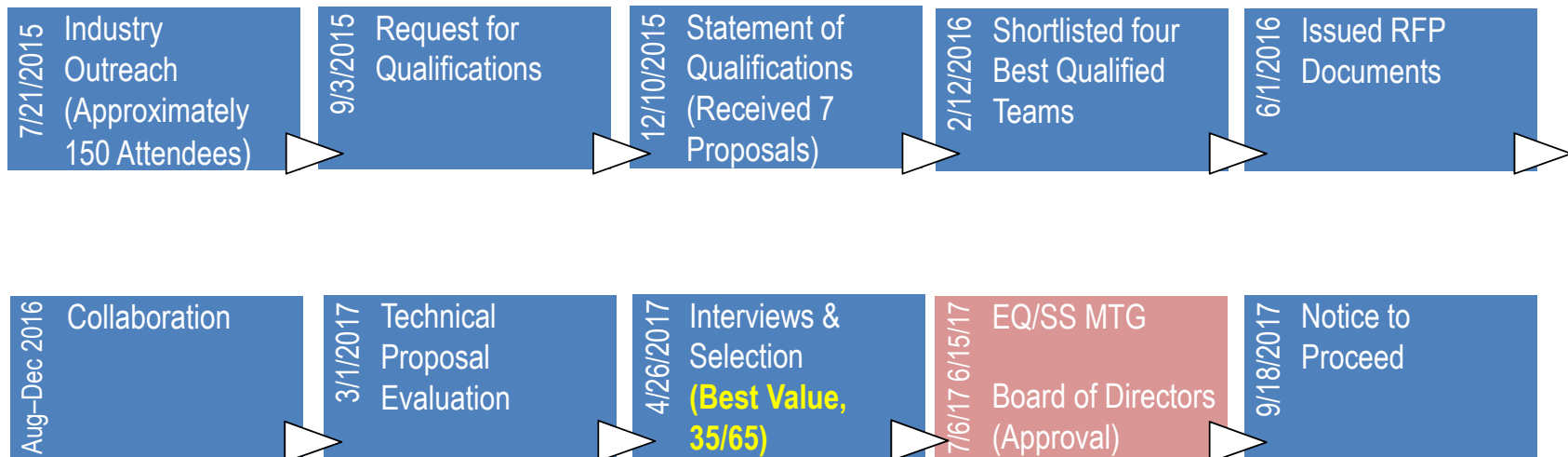
**C** 84,000 cfm Ventilation Control Facility (near Amtrak Yards)





# Northeast Boundary Tunnel Design-Build Procurement Process

- Similar procurement process as previous successful tunnel design-build projects
- Excellent coordination and collaboration throughout process



• **Salini Impregilo/Healy JV with design support from Brierley Associates had the highest Technical Score & Lowest Price Proposal**

**Proposal Payment:**

- Shortlisted Proposers that stay engaged throughout the proposal process and submit a responsive Technical and Price Proposal are awarded a \$475,000 Proposal Payment
- Payment also allows DC Water to incorporate ideas from Shortlisted Proposer’s Technical Proposal/ Intellectual Property





## MBE and WBE Fair Share Objectives Salini Impregilo's Performance on Anacostia River Tunnel

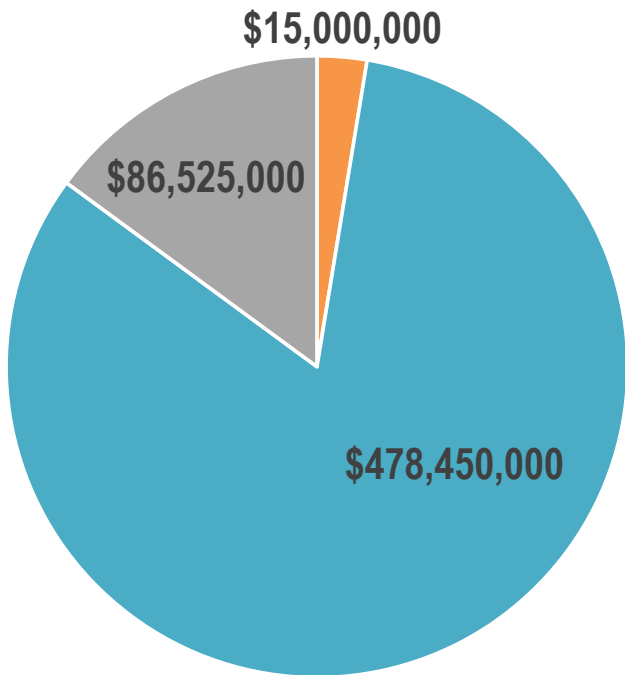
**Summary of Contractor's M/WBE Performance History on the Anacostia River Tunnel Project**

ITEM	GOAL		ANACOSTIA RIVER TUNNEL PLAN AT TIME OF FACT SHEET		ANACOSTIA RIVER TUNNEL CURRENT ACHIEVEMENTS	
	MBE	WBE	MBE	WBE	MBE	WBE
Design	28%	4%	28%	4%	29%	4%
Construction	32%	6%	23%	4%	32%	5%

- Contractor has excellent performance history on the Division H – Anacostia River Tunnel Project
- Contractor will pursue opportunities to meet or exceed the M/WBE Fair Share Objectives as the final design is completed and construction needs are identified
- Contractor will partner with DC Water to identify protected class firms
- Together, we will work to achieve the MBE and WBE objectives for the program

# MBE and WBE Fair Share Objectives Northeast Boundary Tunnel Contract Breakdown

Total Contract = \$579,975,000



■ Design ■ Construction ■ Exempt

ITEM	DESIGN			CONSTRUCTION		
	GOAL %	%	AMOUNT	GOAL %	%	AMOUNT
MBE	28	33	\$4,940,268	32	24	\$113,842,000
WBE	4	5	\$741,140	6	4	\$17,853,000

**OVER \$137 MILLION IN M/WBE WORK**

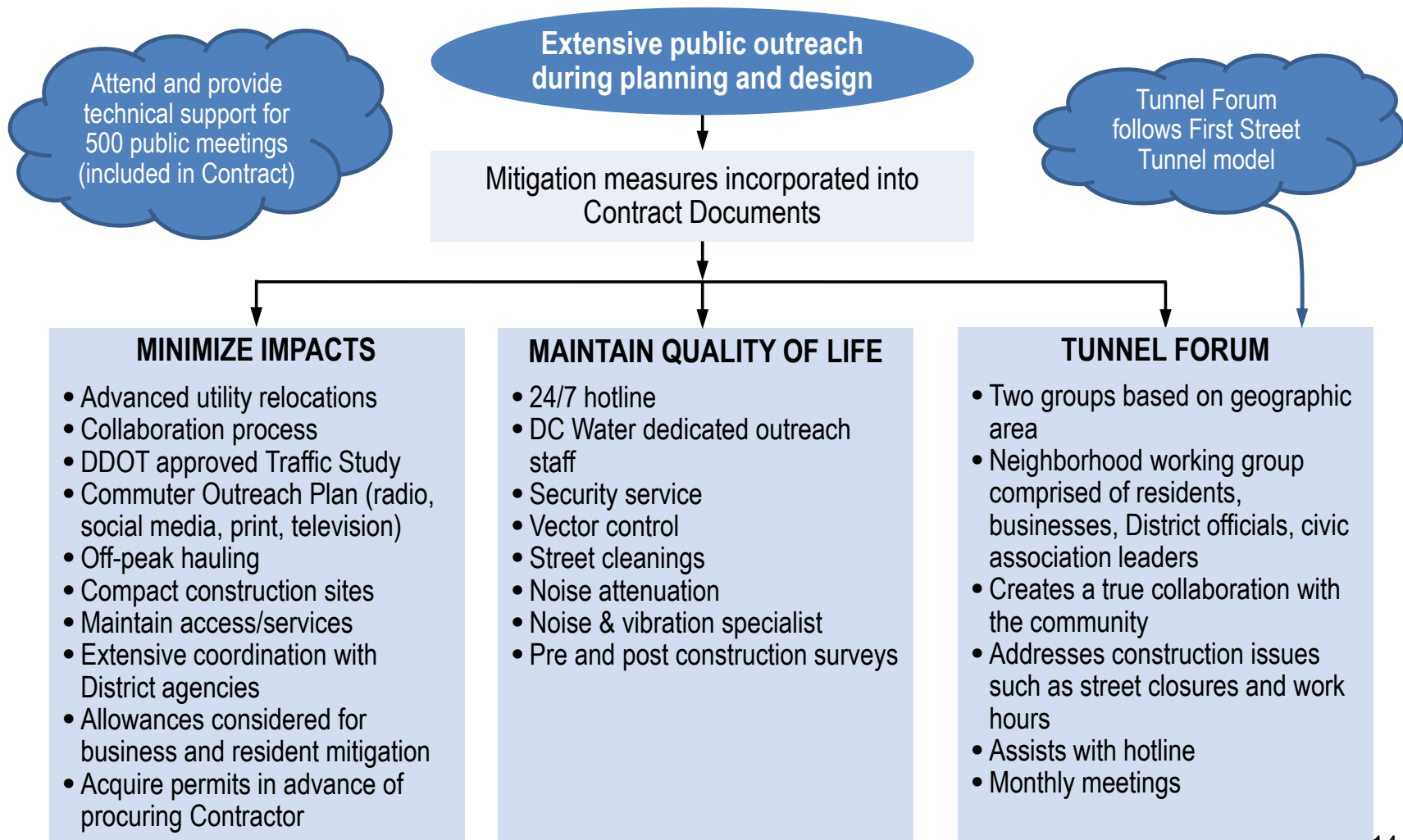


## MBE and WBE Fair Share Objectives Northeast Boundary Tunnel Summary of Exempt Amounts

ITEM DESCRIPTION	COST	EXPLANATION
Tunnel Boring Machine Mobilization	\$25,000,000	Exempt since there are no M/WBE Tunnel Boring Machine manufacturers
Allowances to addresses unanticipated soil, archeological, other underground conditions and to protect existing sensitive structures and utilities (e.g. Amtrak, Metro Red Line, old brick sewers)	\$31,800,000	Exact scope of work is uncertain at this time. Design-Builder has to evaluate existing conditions and based on their design, develop protective measures. As work is better defined, additional subcontractors and suppliers will be solicited and M/WBE firms will be utilized to the fullest extent available. Also a utility agency (PEPCO, Washington Gas, Comcast, etc) amount of \$6,500,000 is included in the Allowance for those agencies to relocate their utilities and provide other protection services
Permit and Police Detail Fees	\$7,250,000	Fees are paid directly to District and other regulatory agencies including police
Mt Olivet Road Diversion Sewer Tunnel (located under a 20" critical watermain)	\$10,000,000	Exempt to encourage Contractor to self-perform to mitigate risk of damage to critical watermain
Community Impact Mitigation and Other Miscellaneous Items	\$12,475,000	Exact scope of work for Community Impact Mitigation is uncertain at this time, however, any compensation would be paid directly to the residents or business entity for possible relocation during significant construction activities. It also includes Safety Training, Commuter Outreach Radio Time, Partnering Allowance, Dispute Resolution Board Allowance, Sewer Cleaning and Emerson Instrumentation and Control Equipment/ Services
<b>TOTAL</b>	<b>\$86,525,000</b>	

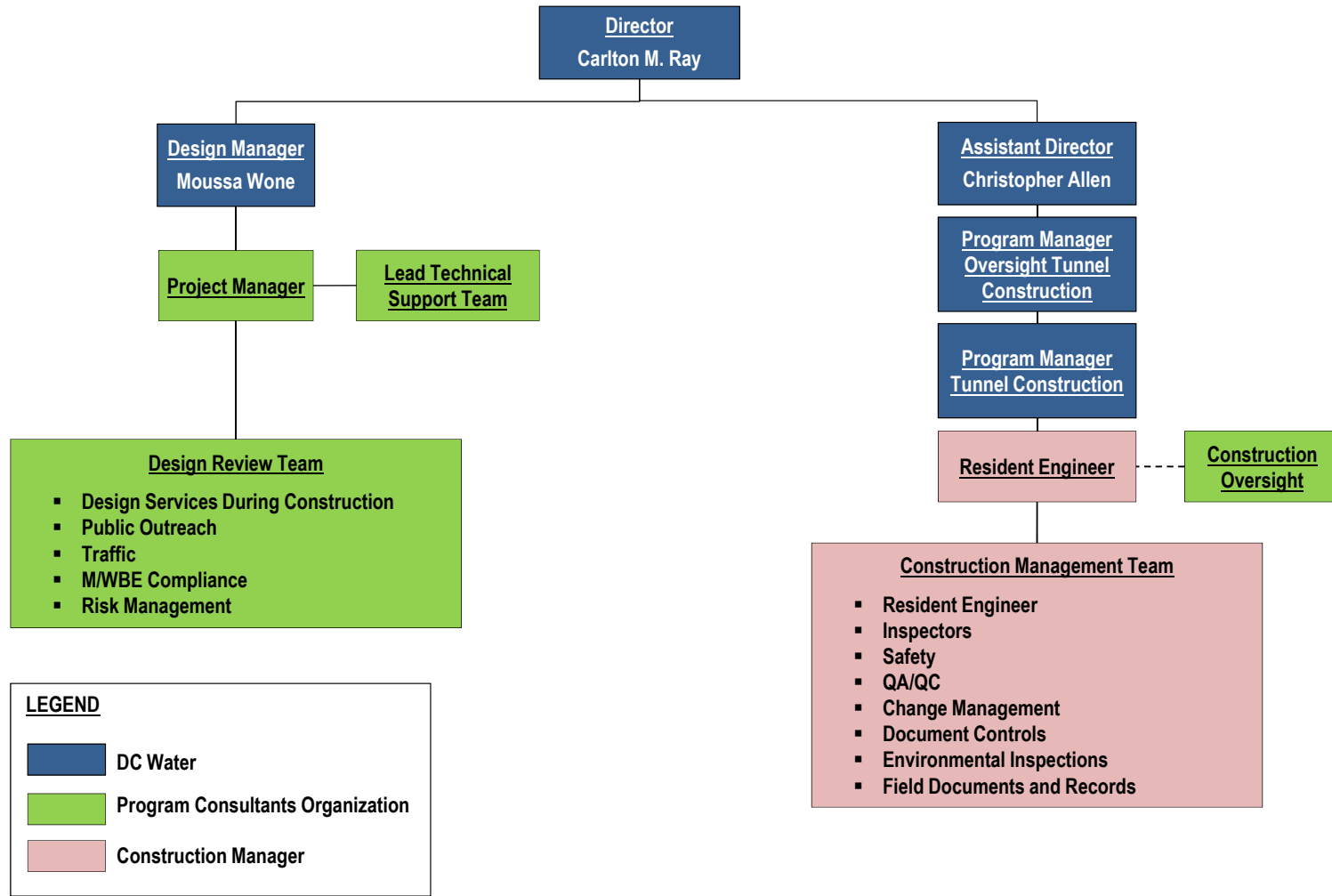


# Community Impact Mitigation





# Construction Management Organization Chart





## Recommendation

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- It is the Contracting Officer's recommendation that the Salini Impregilo SA Healy Joint Venture be awarded the Design-Build contract in the amount of \$579,975,000.00 (Award Amount)





**CEO and GENERAL MANAGER'S REPORT**

George S. Hawkins – July 2017



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

**Color Key**

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

## Message from the CEO/GM

As summer is upon us, and the attendant heat and humidity, our work on water issues rises in importance and continues unabated. Late Spring ended with a burst of activity.

### **Federal Appropriation**

We are pleased to report that we received the federally appropriated funds for the DC Clean Rivers Project in June for \$14 million. For new Board members, DC Water is obviously undertaking the responsibility of resolving the challenges associated with combined sewers – a legacy of the system designed, built and operated for the first century by the federal government. This is the largest capital project that DC Water will ever undertake – represented this month by the huge procurement for the Northeast Boundary Tunnel. (See below.) The Clean Rivers project is subject to a federal Consent Decree that dictates the overall content and schedule of the project. When this agreement was reached, there was discussion with Congress, USEPA and other agencies that the federal government would support much of this enormous bill – some commentary suggested an equal sharing of the cost. Not surprisingly, I suppose, that commitment has been long forgotten and we have to work with DC government each year to seek a federal appropriation to support the program. Each year there is a push by some to eliminate the federal appropriation, which we work hard with democratic and republican delegations from the region and on the relevant committees to get reinstated. This is an annual effort with the Hill that is orchestrated by the Office of External Affairs (initiated in 2016 by Will Pickering, with Vince Morris picking up the ball since Will left) – and supported by Eugene Kinlow, the Director of the Mayor's Office of Federal and Regional Affairs.

I am pleased to report that after being zeroed out at moments in 2016, DC Water was able to gain a \$14 million appropriation - in part through the helpful assistance of the Mayor's office – which had been the original proposal by the Obama White House. That is why I am delighted to report that the actual funds arrived in mid-June. These are funds we do not budget for each year, so that if we are not successful, we will not have a significant hole in the budget. In this case, we will expend these funds for Clean Rivers projects (like the Northeast Boundary Tunnel project) and draw down more slowly funds otherwise raised from the Impervious Area Charge.

We are engaged today in working with the Mayor's office and our congressional allies on seeking these funds in the current budget process. President Trump reduced the proposed funding to \$8.5 million, and the House budget proposal eliminates it entirely (this happens fairly often.) Vince Morris is on task, supported as always by excellent materials and in-person presentations by Carlton Ray, the Director of the Clean Rivers Program. We will keep the Board apprised, and are very pleased by the support and collaboration with the Mayor's office.

### **Northeast Boundary Tunnel**

The DC Water Board will be voting on a recommendation from the Environmental Quality and Operations Committee to support the largest single procurement in DC Water's history. This procurement covers the final phase of the Clean Rivers plan for overflows associated with the Anacostia River and associated sewers. The first two phases of this work are near completion and will go on-line in late March, 2018 – the Blue Plains Tunnel (from Blue Plains to Poplar Point) and the Anacostia Tunnel (from Poplar Point to RFK Stadium) and the deep tunnel pump station and enhanced clarification facility at Blue Plains that will screen and pump flow from the tunnel up to the treatment facility, and then under certain circumstance provide treatment at the

## Message from the CEO/GM

enhanced clarification facility. The Northeast Boundary Tunnel is unique because much of the overflow it will capture is neighborhood flooding rather than overflows directly to the river. This third phase will be the longest length of tunnel, starting at RFK stadium and making its way into the center of the District in Bloomingdale. This tunnel will link-up with the First Street Tunnel that we have completed in Bloomingdale – and to which flow captured in the First Street Tunnel will flow. The Northeast Boundary Tunnel will significantly reduce the risk of street and basement flooding in several neighborhoods that have been afflicted for many decades. And, by capturing overflow farther up in the city, will reduce overflows to the Anacostia “downstream.”

This procurement is the conclusion of an intensive two-year process that is again a design-build (DB) approach – or where the design and construction is undertaken by a team that commits to an up-front schedule and price. We have found that DB is far better than the traditional Design-Bid-Build (DBB) – which often in larger projects generates conflict between the designers (who may think the builders are not doing the design justice) and the builders (who may think the design is unworkable). With DB, the two are paired together to a common end, and must work together to achieve the desired goal. We have had excellent success with DB on earlier phases of the tunnel and other projects, and certainly for larger, complex efforts is our procurement method of choice.

Len Benson, Carlton Ray and our crack Clean Rivers Team will provide an overview of the project and the selection process in the “Topics of General Interest” portion of the Board meeting – supplementing the detailed presentation the same group provided to the EQ & Ops Committee. I am pleased to report that the selected team won both the highest technical score, and the lowest price bid, and is a team with whom we have worked and have experience – a rare and welcome trifecta. I would like to particularly thank the selection panel that labored carefully on this effort over two years, including members from our suburban partners: Carlton Ray (DC Water), Christopher Allen (DC Water), Bill Levy (DC Water), Cuthbert Braveboy (DC Water), Korey Gray (DC Water), Michael McGrath (Fairfax), Carol Mojica (WSSC), Ron Bizzarri (Greeley and Hansen), John Bosley (DC Water), Justin Carl (Greeley and Hansen), Rafael Castro (JCK Underground), Bill Edgerton (McMillen Jacobs Associates), Roger Isley (Project Review Board), Joel Kantola (JCK Underground), Mike Loulakis (Capital Project Strategies).

### **Pressure Reducing Valves**

We continue to interact with members of DC Council (Council Member Cheh and Council Member Trayon White), ANC Commissioners and members of the community about our plans to improve water pressure in certain neighborhoods in Ward 8 by the completion of a new 2-million-gallon water tower on the St. Elizabeths campus. We have heard complaints for years about low water pressure in these areas – the notion that washing machines take an hour to fill, and that if someone is in the shower, no other water fixtures work (sinks, etc.) The water tower will resolve this challenge and also will provide necessary clean water for development planned on the St E’s campus. (St. E’s was supported by an old, small and rickety water tower, and to me, looked like it was about to fall down.)

The challenge we have discovered is that the water tower will actually increase water pressure in some homes and other buildings above the level recommended by the District’s Department of Consumer and Regulatory Affairs (DCRA). Pressure that is too high could cause leaks or other

## Message from the CEO/GM

problems in older pipes, or even failures in older fixtures (water heaters most likely.) DCRA regulations require the installation of a Pressure Reducing Valve (PRV) –near the main water line valve to make sure this does not happen. We are near the end of a similar project to install PRVs in Ward 3 after upgrades to pumping station at Fort Reno. Most water utilities do not do this work on behalf of their customers, but we felt the need to do so in the District to make sure the upgrades could move forward – and to avoid liability that could be alleged if there are challenges in homes.

There has been significant engagement with the community on what is the appropriate level of support from DC Water to customers in Ward 8 who will benefit from the pressure increase, but could also be at risk by pressure rising too high. We are considering extending the warranty on the PRVs to make sure the customer is covered if there is a problem (this is unheard of in our experience, but still possible), as well as some level of work in the home to create a box of some sort for the PRV if the main valve is behind a wall (which is actually prohibited by the plumbing code, but still often true.). I am grateful for the team that has been working hard on this difficult situation, including Len Benson, Henderson Brown, Deidre Saunders, Jason Garz, Lisa Barton, Emanuel Briggs Tanya Hedgepeth and John Lisle.

### **Blue Drop**

Bloom (May 2017 figures)

- Tons diverted from land application: 798.44 (highest ever)
- Sales revenue to Blue Drop: \$2,250.98
- DC Water marketing fee to Blue Drop: \$3,992.20
- Cost savings to DC Water: \$15,965.72

Blue Drop operations and governance

- Candidates for fifth Board member still under consideration.
- Accounting support firm engaged. Chart of accounts and financial controls established.
- Audit firm to be engaged in July.
- Business plan under development, to be finalized by fall Blue Drop Board meeting (likely October).
- Second Blue Drop employee (Francesca Valente, Director of Operations) began June 5.
- Health insurance, ancillary benefits and 401(k) for Blue Drop employees began July 1.
- Personnel manual under review.

Blue Drop consulting and business development

- Consulting project for New Jersey Future wraps up with a webinar in July.
- Consulting project for York Region (Ontario) wraps up with a final report in July/August.
- Consulting project for Capital Region Water (Harrisburg, Pa.) ongoing through October.
- Upcoming conference presentations: NACWA Strategic Communications (July, St. Louis), Five Cities Plus (August, Columbus, Ohio).

### **External Affairs**

*Website*

Session totals for the period of May 16 through June 15, 2017

- Total Sessions: 67,094

## Message from the CEO/GM

- New Sessions: 33,326

### *Government Relations*

Government Relations (GR) discovered that the budget from President Trump included a plan to divest the Washington Aqueduct and privatize it or turn it over to another entity. GR has worked to alert others and to make clear DC Water is interested in exploring options for taking it over as early as 2019. We also worked with Rep. Norton and other members of Congress to explain the issue and encourage support.

GR also worked to assemble information to help members of Congress that are allies to fight back against the President's plan to cut the DC Water Clean Rivers budget allocation from \$14 million a year to \$8.5 million a year. The plan was proposed by Trump and DC Water is working closely with the mayor and others to find ways to get the full amount covered.

Finally, GR continued to work on the wipes issue – meeting with representatives of the industry and our allies at NACWA to begin negotiations on the language of the DC restriction on how wipes are labeled. In addition, GR helped to work with lawmakers to prevent lobbyists from the wipes industry from overturning the District's law. That effort is ongoing.

### *Media Relations*

Media Relations facilitated an interview of the General Manager by Fortune Magazine, which resulted in an outstanding article about how DC Water was using technology to raise money and minimize the impact on ratepayers.

The media team also conceived of an idea to promote the two new skimmer boats with a press conference at Yards Park that received broad media attention and positive reactions from many stakeholders.

They also worked to conceive of a press event to showcase the honey produced at Blue Plains in an event at Maury Elementary in Ward 6.

### *Press Releases*

- June 1: DC Water Launches Open Data Portal
- May 30: DC Water Wins Prestigious Finance Award
- May 19 : DC Water Launches 2 New River Boat Skimmers to Clean the Anacostia River

### *Media Coverage*

- [Roads closed, homes flooded as water main breaks in Northwest DC](#) (WTOP / May 18, 2017)
- [Anacostia River skimmer boats introduced, with names to match](#) (The Washington Post / May 20, 2017)
- [DC Water is also in the bee business](#) (WTOP / May 31, 2017)
- [Sustainable Water Infrastructure: Rethinking Water and Wastewater Systems With Resilience In Mind](#)

## Message from the CEO/GM

(WaterWorld / June 5, 2017)

- [Who wants to buy the Washington Aqueduct? The Trump administration is itching to find out.](#)

(Washington Business Journal / June 7, 2017)

### *Meetings/Presentations/Events*

- As part of its Environmental Education program, DC Water participated in the recent Career Day event held at Patterson Elementary School in southwest, DC. As part of this, one of DC Water's Wastewater Treatment Technicians led the discussion with students, talking vividly about the highlights and rewards of his position at DC Water. In addition to this exciting, educational discussion, DC Water also handed out some giveaways.
- In partnership with the Downtown DC Business Improvement District, DC Water provided refreshing tap water, tumbler drinking cups, lanyards, its trivia wheel and a special guest appearance by Wendy the Water Drop for the Freedom Plaza pit stop during this year's Bike-To-Work Day.
- DC Water held a community celebration for Bloomingdale and LeDroit Park residents to commemorate the end of construction on area projects including the Bryant Street Pumping Station Discharge Piping Replacement Project, Small Diameter Water Main Replacement Project, and the First Street Tunnel. Preceded by a media walking tour of the First Street Tunnel temporary pump station, this celebration included lots of games, activities and food - all free of charge to our local customers whom have shouldered the burdens of these invasive construction projects since 2010.
- DC Water attended the June monthly meeting of ANC 8C to present its Water Meter Rehabilitation Project.
- DC Water attended the June monthly meeting of ANC 3B to provide updates on its DC Clean Rivers Project, namely the Downspout Disconnection program as part of its Green Infrastructure program.
- In partnership with the DC Department of Public Works and Department of Energy and the Environment, DC Water attended the DC Electric Vehicle Grand Prix, providing refreshing tap water to thirsty spectators.
- In partnership with District of Columbia Government, DC Water attended the 10<sup>th</sup> annual DC Truck Touch event, providing work truck displays, refreshing tap water, Tumbler cups and other giveaways, and a special guest appearance by Wendy.
- DC Water attended a special community meeting held by Ward 8 Councilmember Trayon White to provide information and updates on its Anacostia 2<sup>nd</sup> High Residential Pressure Reducing Valve Installation Project. This was one in a series of related meetings held with Ward 8 ANCs, affected residents and other local stakeholders.
- DC Water hosted a meeting with all Ward 8 ANCs to provide important information on its Anacostia 2<sup>nd</sup> High Residential Pressure Reducing Valve Installation Project. One of the primary purposes for that particular meeting was to provide the ANCs an opportunity to speak directly to members of the DC Water Executive Management team regarding their questions and concerns as they relate to our project and the PRV Installation program as part of the project. This was one in a series of related meetings held with Ward 8 ANCs, affected residents and other local stakeholders.
- DC Water attended the June monthly meeting of ANC 7D to present two separate projects: Watts Branch Sewer Rehabilitation Project and Water Meter Rehabilitation

## Message from the CEO/GM

### Project.

- DC Water attended a meeting with Sheridan Station Home Owners Association to provide some clarification regarding its PRV installation program, as part of the Anacostia 2<sup>nd</sup> High Residential Pressure Reducing Valve Installation Project. This was one in a series of related meetings held with Ward 8 ANCs, affected residents and other local stakeholders.
- DC Water attended a meeting with members of ANC 8E and other interested community members to address their questions and concerns pertaining to the Anacostia 2<sup>nd</sup> High Residential Pressure Reducing Valve Installation Project and PRV installation program. Requested and led by former ANC Commissioner Sandra Seegars, this was one in a series of related meetings held with Ward 8 ANCs, affected residents and other local stakeholders.

### *Customer Newsletter*

The June newsletter included a cover story on the Wonders of Water regional educational event for Girl Scouts hosted at Blue Plains. It included two pieces about the meter replacement project, including a story on ensuring the utility worker at the door is working for DC Water and one to mark the milestone 10,000th meter replacement. Another announcement regarding the customer portal was included as was a GM message celebrating the completion of construction in Bloomingdale.

### *Tours*

- 9 graduate students from various universities
- 4 employees of Oracle
- 7 DC Residents
- 15 members of the EPA Climate Change Division
- 3 members of the National Science Foundation
- 45 WEF members
- 15 representatives from So Others Might Eat (SOME)
- 2 professors from Lafayette College
- 14 members of the US Navy
- 15 members of the Audubon Naturalist Society
- 4 professors from Fujian Normal University of China
- 25 members of the FEMA mitigation Directorate

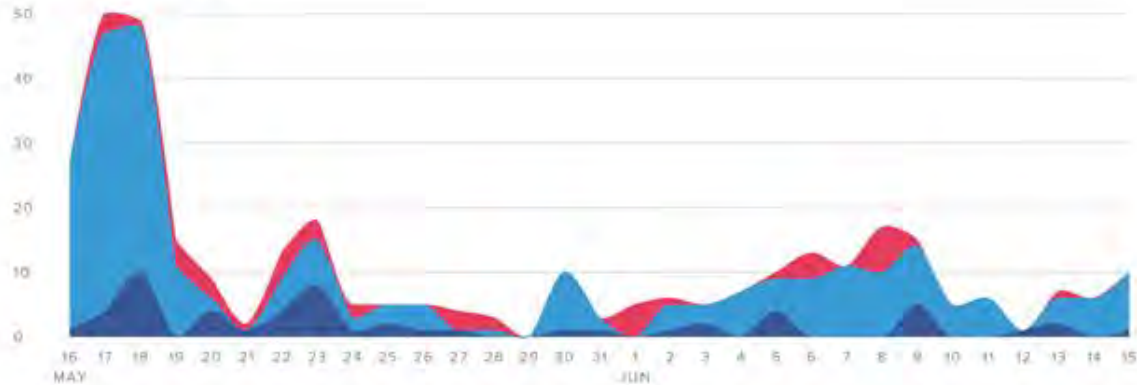
## Message from the CEO/GM

### Social Media

Profile/Page	Total Fans / Followers	Fan / Follower Increase	Messages Sent	Interactions	Impressions per Post	Engagements	Engagements per Post	Link Clicks
 DC Water Facebook Pa	2,584	2.01%	15	51,247	3,416	535	35.7	117
 DC Water mydcwater	1,167	3.37%	8	-	-	520	65.0	-
 DC Water @dcwater	14,984	1.63%	250	319,027	1,276	17,355	69.4	576

### Audience Growth

AUDIENCE GROWTH, BY DAY



■ FACEBOOK ■ TWITTER ■ INSTAGRAM

Audience Growth Metrics

	Total	Change
<b>Total Fans</b>	<b>18,735</b>	<b>▲ 1.8%</b>
New Facebook Fans	53	▲ 39.5%
New Twitter Followers	240	▲ 75.2%
New Instagram Followers	38	▲ 5.6%
<b>Total Fans Gained</b>	<b>331</b>	<b>▲ 56.9%</b>

Total fans increased by

**▲ 1.8%**

since previous date range

■ FACEBOOK ■ TWITTER ■ INSTAGRAM

Engagement Metrics

	Total	Change
Facebook Engagements	535	▼ 3.6%
Twitter Engagements	17,355	▲ 167.2%
Instagram Engagements	520	▼ 15.0%
<b>Total Engagements</b>	<b>18,410</b>	<b>▲ 140.3%</b>

The number of engagements increased by

**▲ 140.3%**

since previous date range









## ORGANIZATIONAL PERFORMANCE DASHBOARD (MAY, 2017)

### Financial Highlights

<b>Net Operating Cash</b> Actual <b>105889</b> Target <b>55104</b> (\$ tho)	<b>Operating Revenues</b> Actual <b>413</b> Target <b>397</b> (\$ mil)	<b>Operating Expenses</b> Actual <b>315</b> Target <b>358</b> (\$ mil)	<b>Capital Disbursements</b> Actual <b>361</b> Target <b>336</b> (\$ mil)
<b>Operating Cash Balance</b> Actual <b>155</b> Target <b>126</b> (\$ mil)	<b>Delinquent Account Receivables</b> Actual <b>2</b> Target <b>3</b> (%)	<b>Core Investments Yield</b> Actual <b>1.24</b> Target <b>1.28</b> (%)	<b>Short Term Investment Yield</b> Actual <b>0.92</b> Target <b>0.89</b> (%)

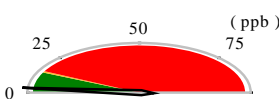
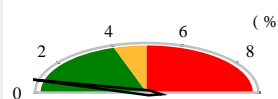
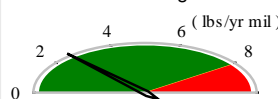
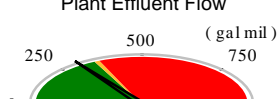
### Customer Care and Operations Highlights

<b>Call Center Performance</b>  May <b>79</b> 85 (% of calls rec)	<b>Command Center Performance</b>  May <b>93</b> 85 (% of calls rec)	<b>First Call Resolution</b>  May <b>81</b> 75 (% of calls rec)	<b>Emergency Response Time</b>  May <b>100</b> 90 (% of calls rec)
<b>Fire Hydrants out of Service</b>  May <b>27</b> 96 (count)	<b>Fire Hydrant Insps. and Maint.</b> <b>340</b> (count)	<b>Fire Hydrants Replaced</b>  May <b>77</b> 250 (YTD count)	<b>Permit Processing within SLA</b> <b>80</b> (%)

### Low Income Assistance Program

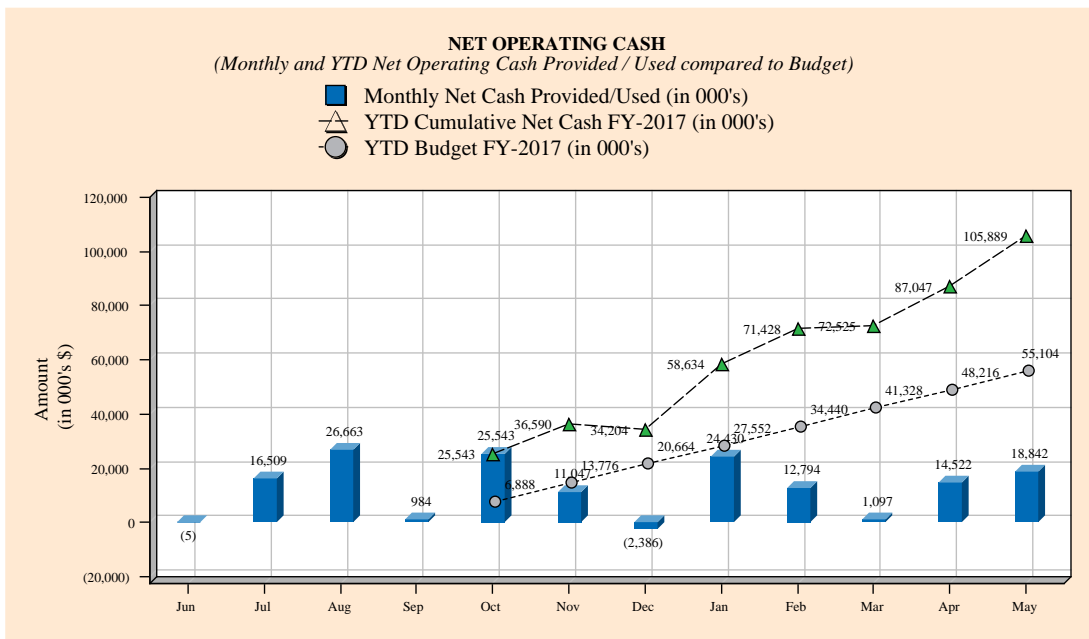
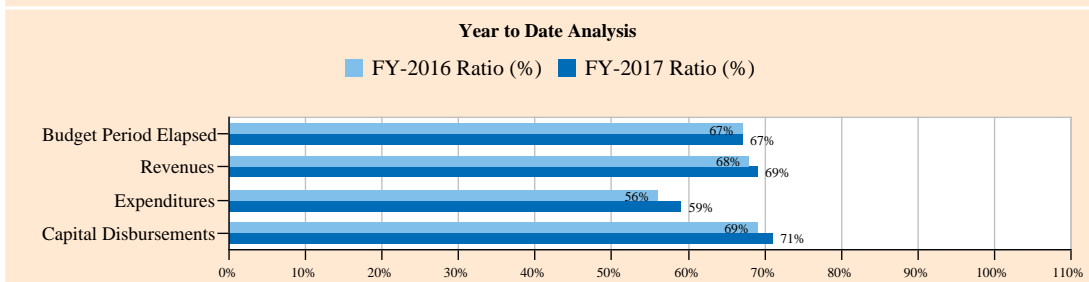
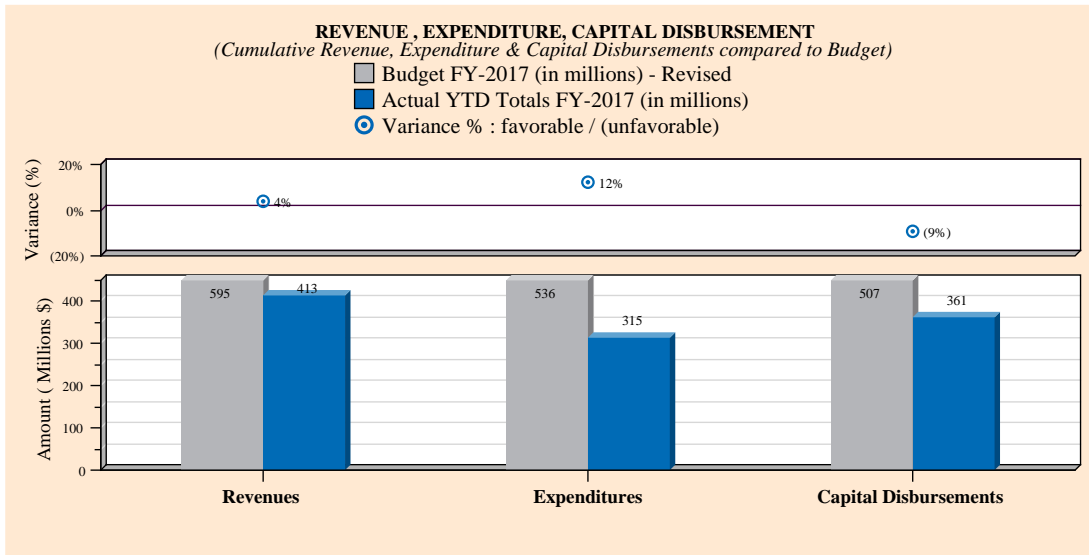
<b>Splash Contributions</b> Actual <b>71</b> Target <b>53</b> (\$ tho)	<b>Customer Assistance Program</b> Previous <b>84</b> Current <b>447</b> (\$ tho)
---	--

### Operational Highlights

<b>Lead Concentration</b> (ppb) 	<b>Total Coliform Rule</b> (%) 	<b>Biosolids Production</b> <b>468</b> (wet tons)	<b>Total Nitrogen</b> (lbs/yr mil) 
<b>Plant Effluent Flow</b> (gal mil) 	<b>Excess Flow</b> <b>68</b> (gal mil)	<b>Water Main Leaks</b> <b>18</b> (count)	<b>Water Valve Leaks</b> <b>3</b> (count)
<b>Non-Revenue Water</b> Sold <b>8</b> Purchased <b>11</b> (CCF mil)	<b>Sewer Main Backups</b> <b>10</b> (count)	<b>Sewer Lateral Backups</b> <b>197</b> (count)	<b>Dry Weather CSO</b> <b>0</b> (events)
<b>Recruitment Activity</b> Filled <b>16</b> Open <b>97</b> (count)	<b>Electricity Usage</b> <b>15982</b> (MWh)	<b>Employee Lost Time Accidents</b> <b>8</b> (count)	<b>Vendor Payments</b> Actual <b>98</b> Target <b>97</b> (%)

## FINANCIAL HIGHLIGHTS

### FINANCIAL PERFORMANCE SUMMARY



*Net cash to date for May was above budget by \$51 Million*

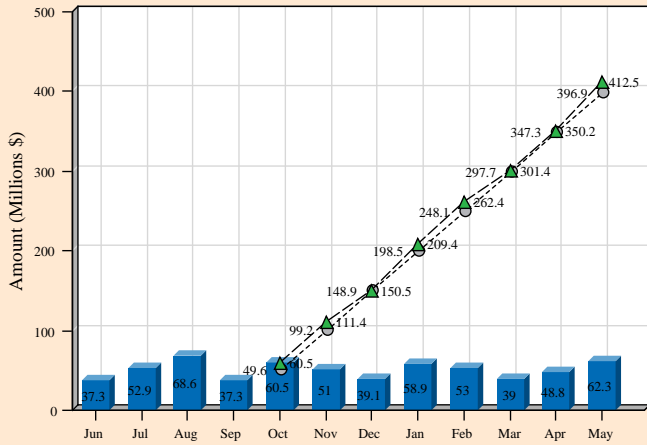
**FINANCIAL HIGHLIGHTS**

**REVENUES AND OPERATING EXPENSES**

**OPERATING REVENUES**

Monthly & Cumulative Revenue compared to YTD Budget

- Actual Monthly Revenue
- △ YTD Cumulative Revenue FY-2017
- YTD Cumulative Budget FY-2017

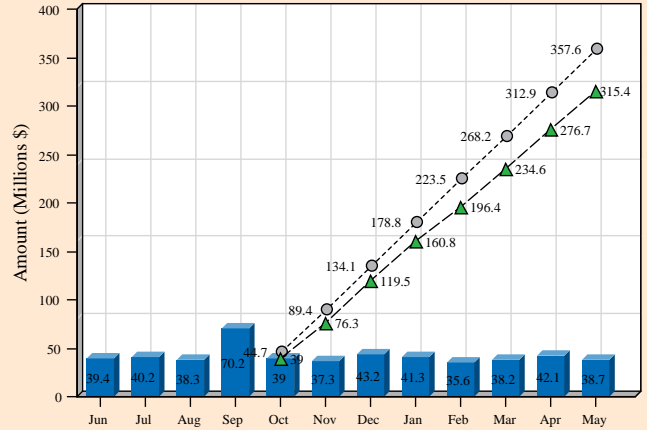


Revenue to date for May was above Budget by \$16 Million

**OPERATING EXPENSES**

Monthly & Cumulative Expenditure compared to YTD Budget

- Actual Monthly Expenses
- △ YTD Cumulative Expenditure FY-2017
- YTD Cumulative Budget FY-2017



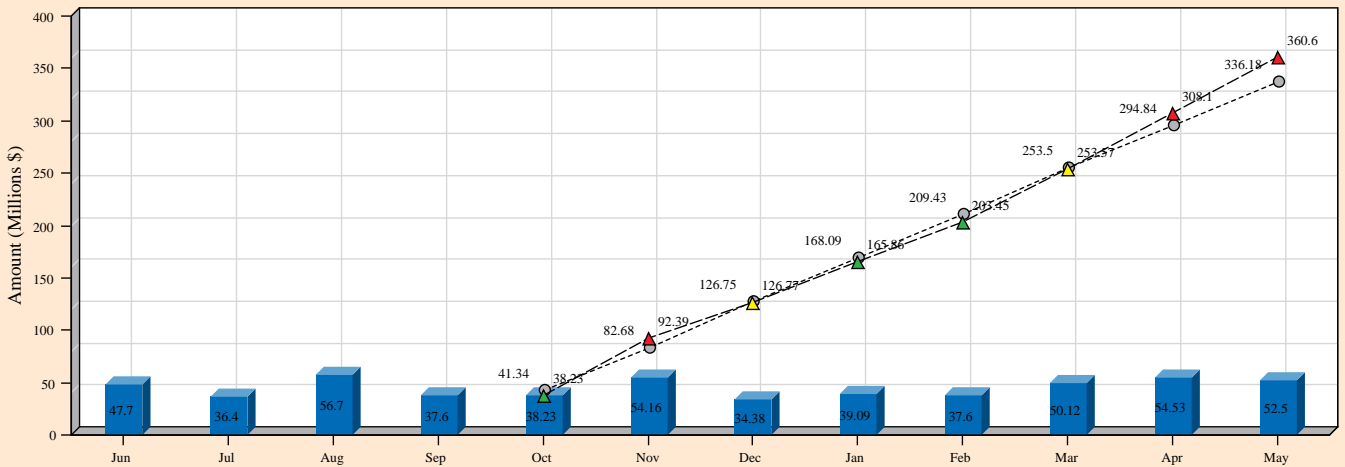
Expenditure to date for May was below budget by \$42 Million

**CAPITAL SPENDING**

**CAPITAL DISBURSEMENTS**

Monthly & Cumulative Disbursements compared to YTD Budget

- Actual Monthly Disbursements
- △ YTD Cumulative Disbursements FY-2017
- YTD Cumulative Budget FY-2017



Disbursements to date for May was above budget by \$24 Million

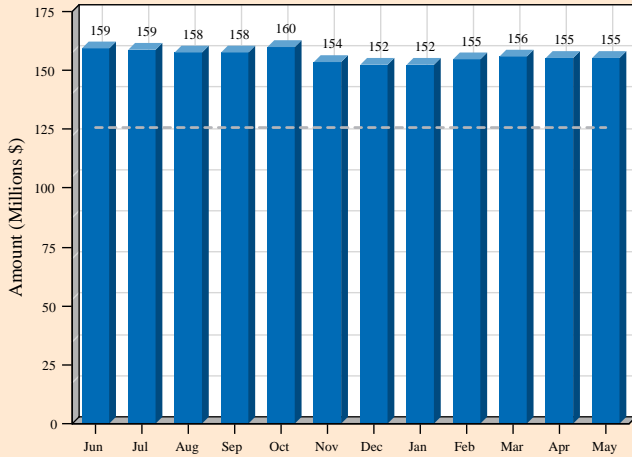
**FINANCIAL HIGHLIGHTS**

**OPERATING CASH AND RECEIVABLES**

**OPERATING CASH BALANCE**

Average Daily Cash Balance compared to Operating Reserve Target

- Actual Cash Balance FY-2017
- Operating Reserve Target - (126 Million)

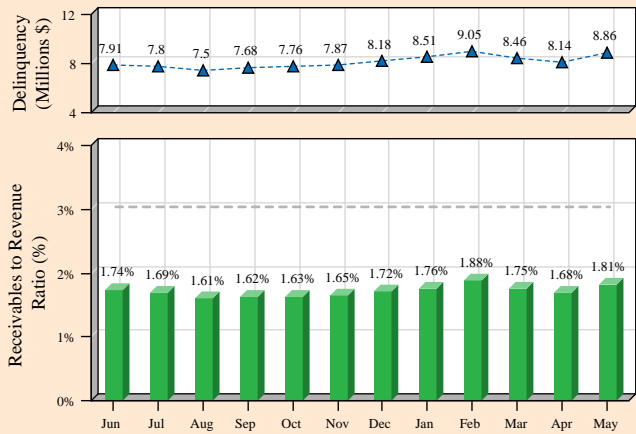


Cash Balance for May was above target by \$ 30 million

**DELINQUENT ACCOUNT RECEIVABLES**

Delinquency & Receivables to Revenue Ratio compared to Target

- Receivables to Revenue Ratio
- ▲ Delinquencies FY-2017 (in millions)
- Target: Receivables to Revenue Ratio (3%)



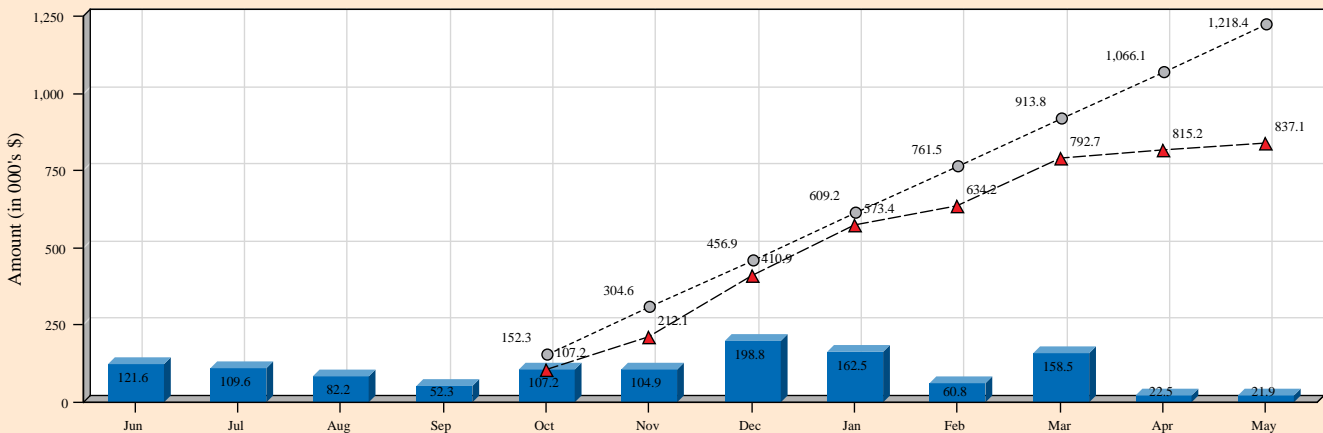
May Receivables to Revenue Ratio 1.81%, Delinquency \$8.9 Million

**INVESTMENT EARNINGS**

**INVESTMENT CASH EARNINGS**

Monthly & Cumulative Earnings compared to YTD Budget

- Monthly Earnings (in 000's)
- ▲ YTD Cumulative Earnings FY-2017 (in 000's)
- YTD Cumulative Earnings Budget FY-2017 (in 000's)



Earnings to date for May were below Projected Budget by \$381,000

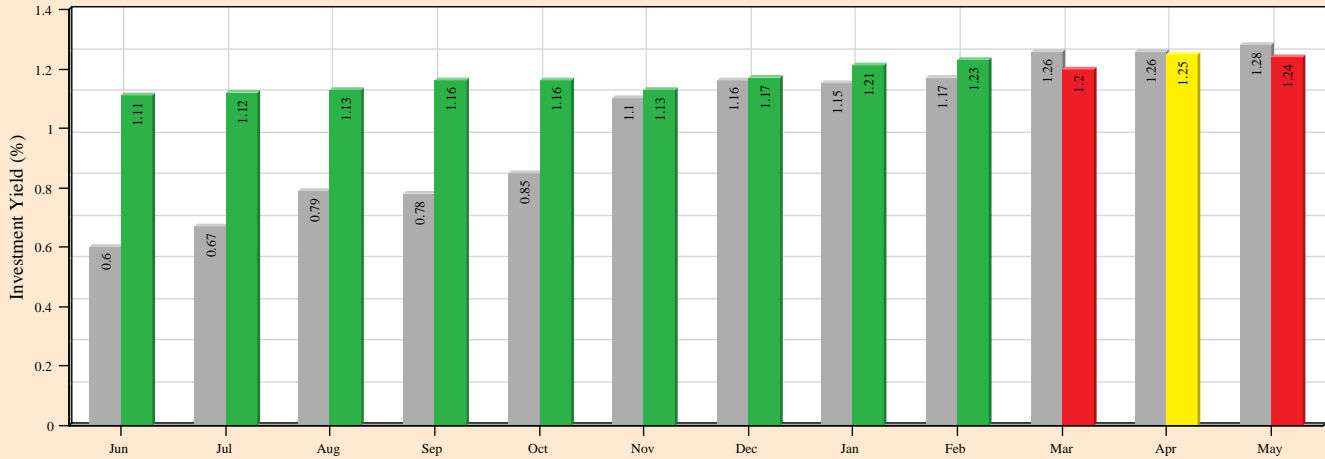
**FINANCIAL HIGHLIGHTS**

**INVESTMENT YIELD**

**CORE INVESTMENTS YIELD**

Monthly Yield compared to Merrill Lynch Benchmark

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

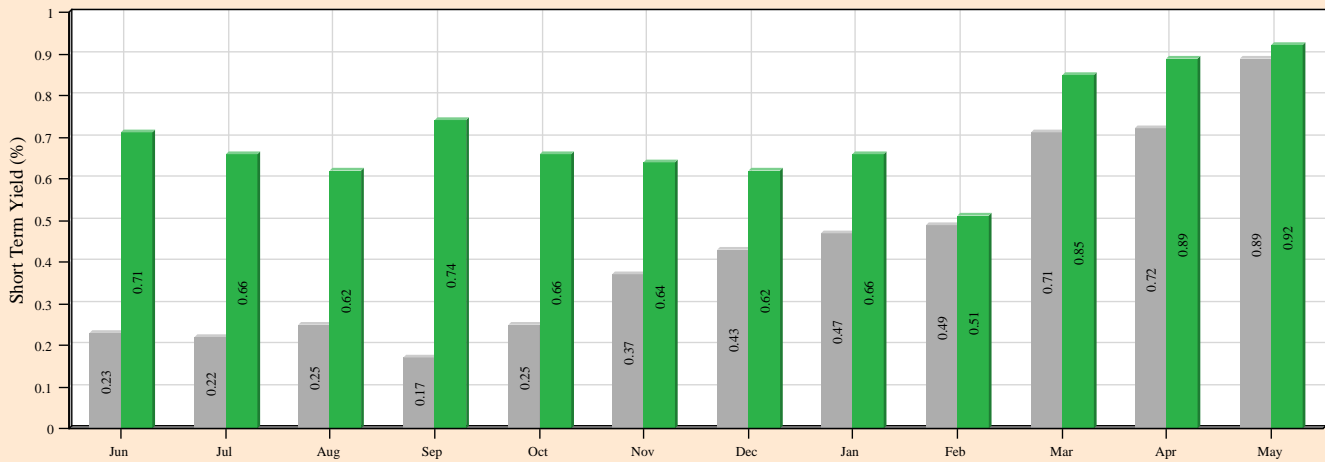


Yield for May was lower than the treasury index by 0.04%

**SHORT TERM INVESTMENT YIELD**

Short Term Yield compared to Merrill Lynch Benchmark

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



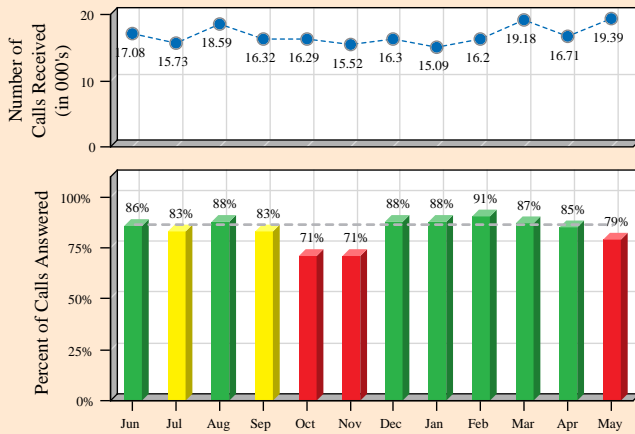
Short Term Yield for May was higher than the Merill Lynch yield by 0.03%

**CUSTOMER CARE AND OPERATIONS HIGHLIGHTS**

**CUSTOMER SERVICE**

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

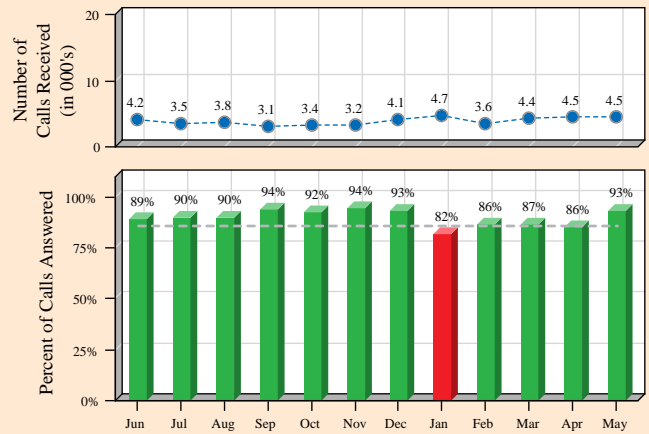
- Call Center: Calls answered (%)
- No of Calls - Call Center (in 000's)
- Target -Call Center (85%)



Performance for May was below target by 6%

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

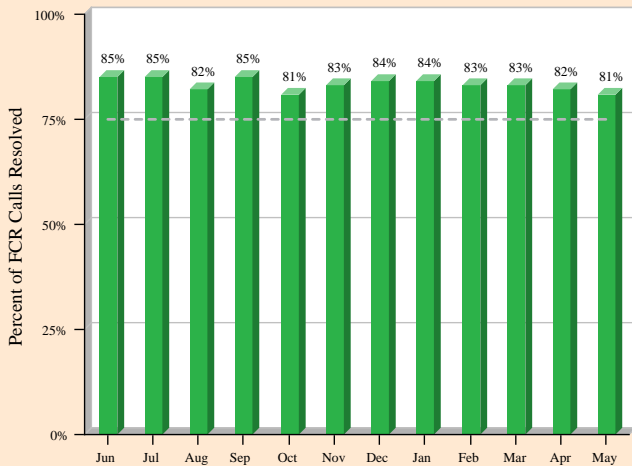
- Command Center: Calls answered (%)
- No of Calls - Command Center (in 000's)
- Target -Command Center (85%)



Performance for May was above target by 8%

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

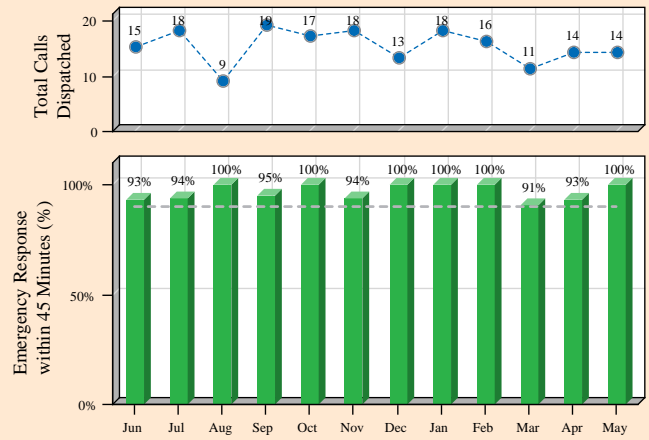
- FCR (%)
- FCR Target (75%)



Performance for May was above target by 6%

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

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



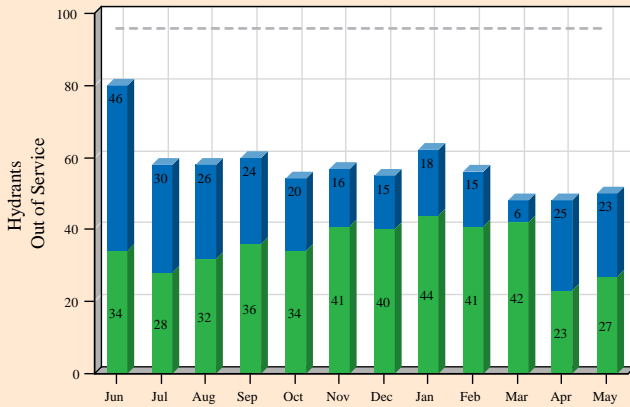
Performance for May was above target by 10%

**CUSTOMER CARE AND OPERATIONS HIGHLIGHTS**

**FIRE HYDRANTS**

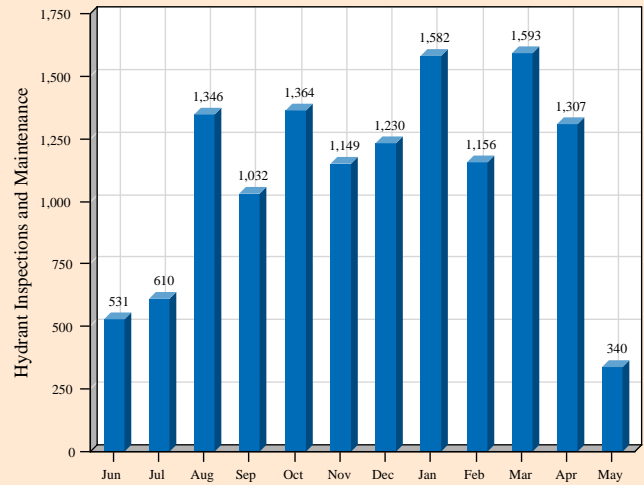
**FIRE HYDRANTS OUT OF SERVICE (OOS)**  
Total Hydrants Out of Service against Target

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



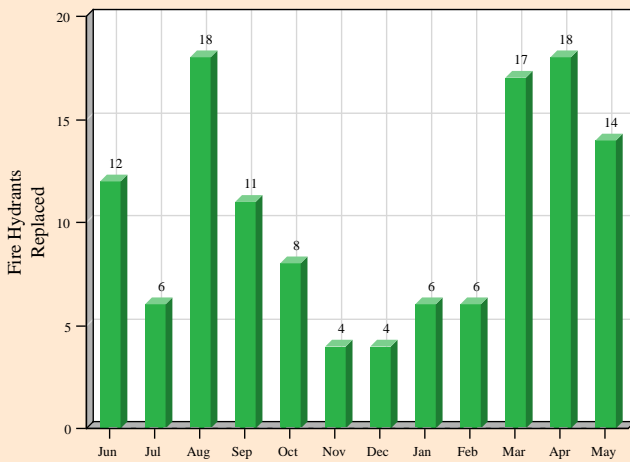
**Fire Hydrant Inspections and Maintenance**  
Total Hydrant Inspection and Maintenance Work Orders Completed per Month

- Hydrant Inspections and Maintenance



**FIRE HYDRANT REPLACEMENTS**  
Total Hydrants Replaced per Month

- Hydrants Replaced
- Annual Replacement Target (250)

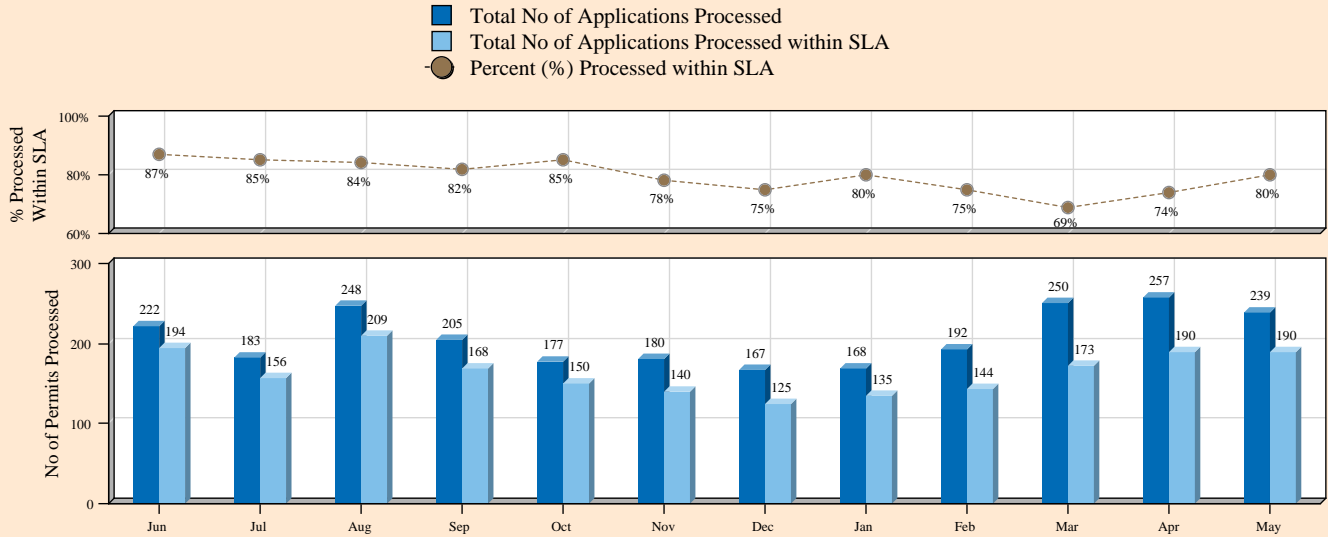


Total replacements as of May were 77 against annual projections of 250

**CUSTOMER CARE AND OPERATIONS HIGHLIGHTS**

**PERMIT PROCESSING**

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



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

*Permits not processed within SLA in May were 20% Note that different SLA's range from 7 days to 45 days*



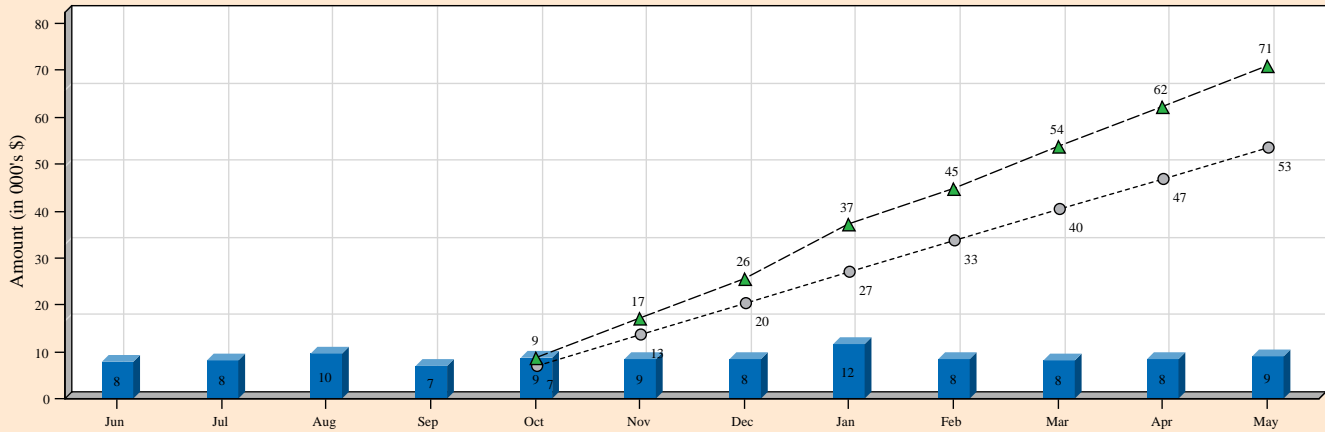
**LOW INCOME ASSISTANCE PROGRAM**

**SPLASH PROGRAM**

**SPLASH CONTRIBUTIONS**

Monthly and Cumulative Contributions compared to YTD Target

- Monthly Contributions (in 000's)
- △ YTD Cumulative Contributions FY-2017 (in 000's)
- Projected YTD Target FY-2017 (in 000's)



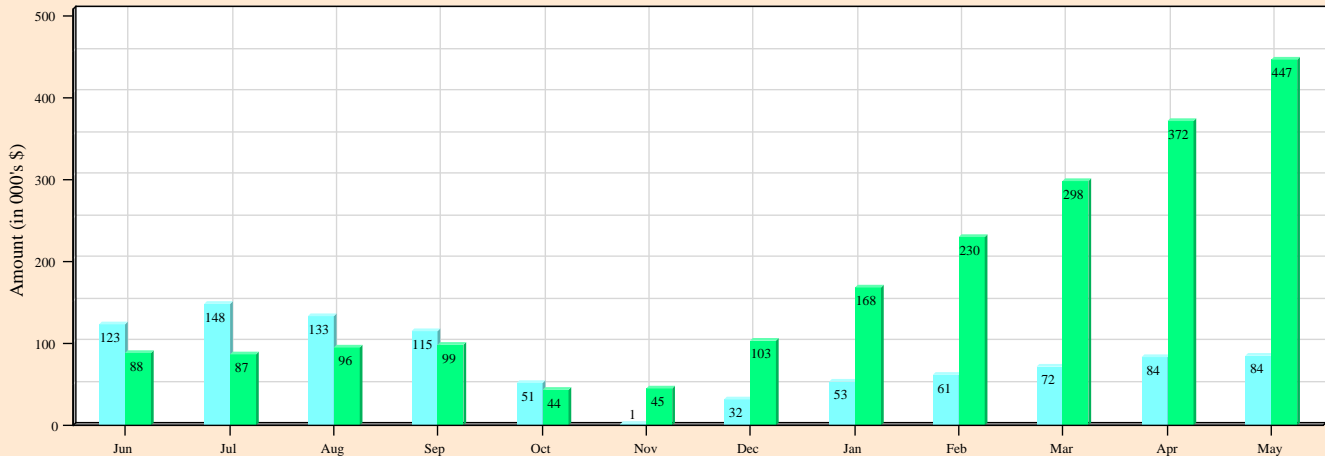
Total SPLASH Contributions to date for May were above target by \$ 18,000

**CUSTOMER ASSISTANCE PROGRAM (CAP)**

**CUSTOMER ASSISTANCE PROVIDED**

Monthly Assistance Provided compared to corresponding Previous Year Periods

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

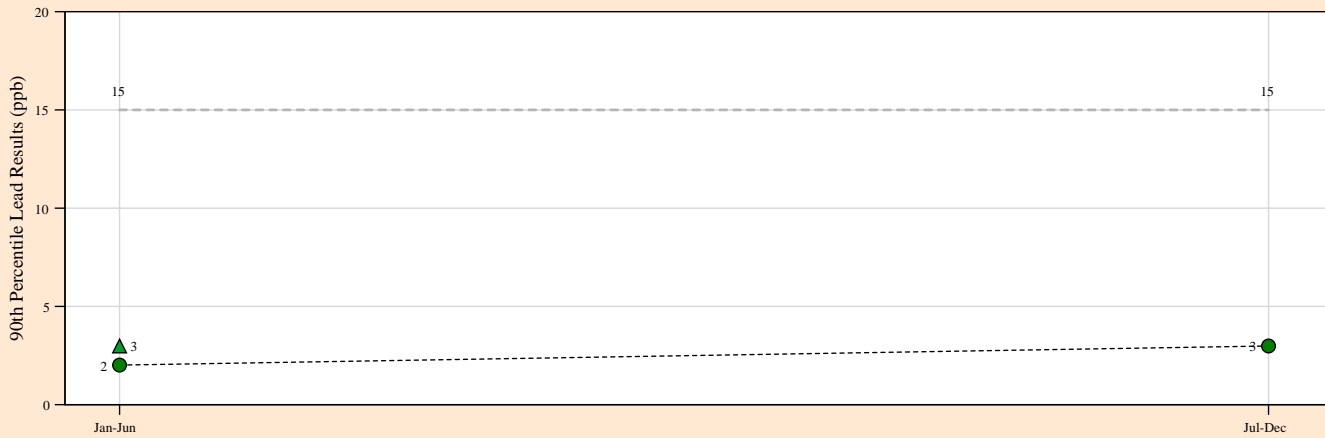


**OPERATIONAL HIGHLIGHTS**

**DRINKING WATER QUALITY**

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

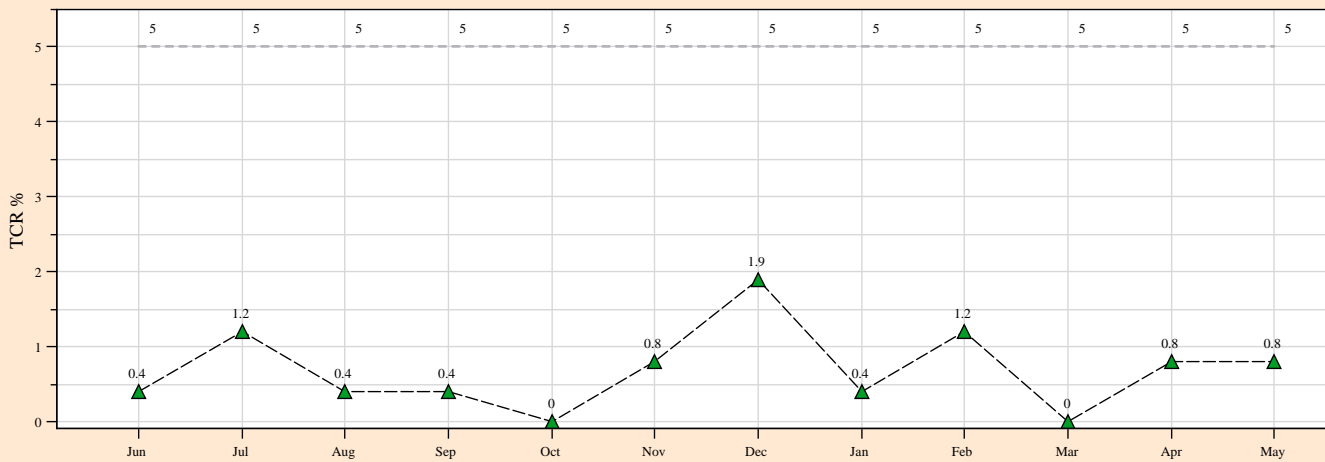
- 2016 LCR Results
- △ 2017 LCR Results
- Action Level : 15 parts per billion (ppb)



*Jan-Jun 2017 results to date*

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

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



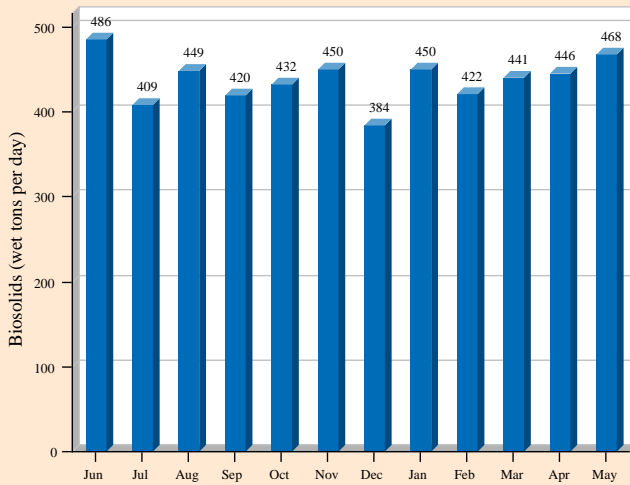
*Coliform Positive was recorded at 0.8% in May*

**OPERATIONAL HIGHLIGHTS**

**WASTEWATER TREATMENT**

**BIOSOLIDS PRODUCTION**  
Average Daily Biosolids Production

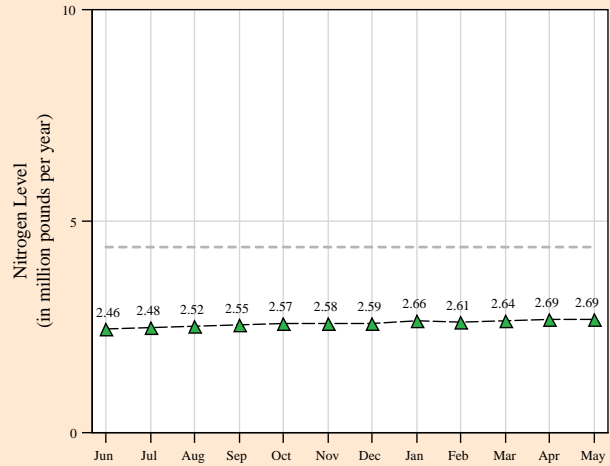
■ Average Daily Biosolids Hauled



*Biosolids Average Daily Production for May was 468 wet tons per day*

**TOTAL NITROGEN**  
Total Nitrogen compared to New Permit Levels

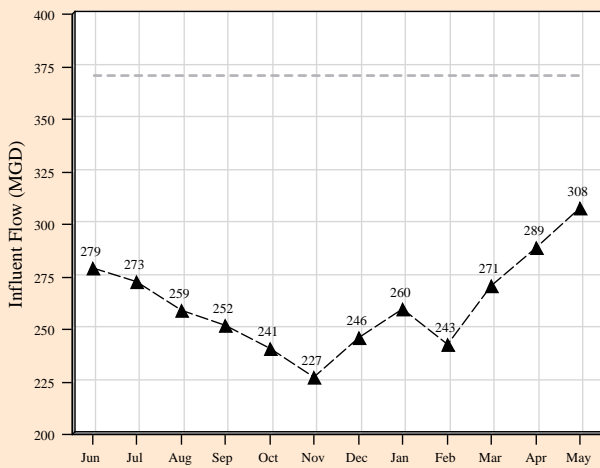
△ Nitrogen Annually Load (lbs/yr)  
--- New Permit Limit - 4.38 Million (lbs/yr)



*Nitrogen level for May was below permit by 1.7 million lbs/yr*

**PLANT INFLUENT FLOW**  
Influent Flow compared to Plant Design Average Limit

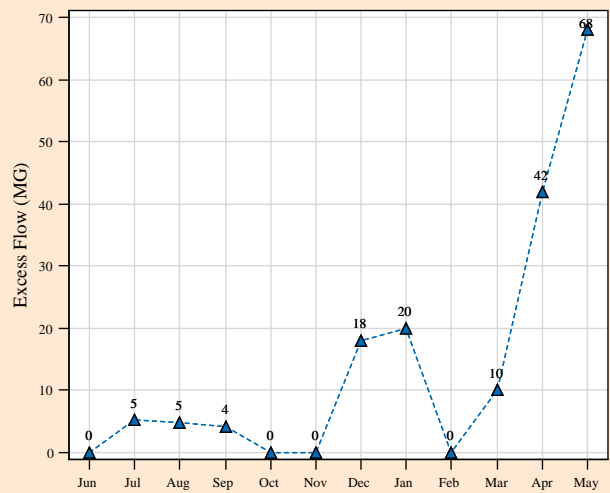
△ Effluent Flow  
--- Design Average (370 mgd)



*In May, Effluent flow was below design by 62 MGD*

**EXCESS FLOW**

△ Excess Flow



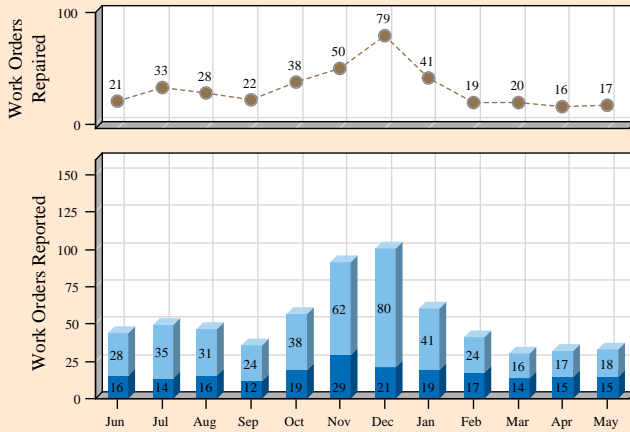
*Excess flow events was recorded at 68 MG in May 2017*

**OPERATIONAL HIGHLIGHTS**

**WATER DISTRIBUTION OPERATIONS**

**WATER MAIN WORK ORDERS**

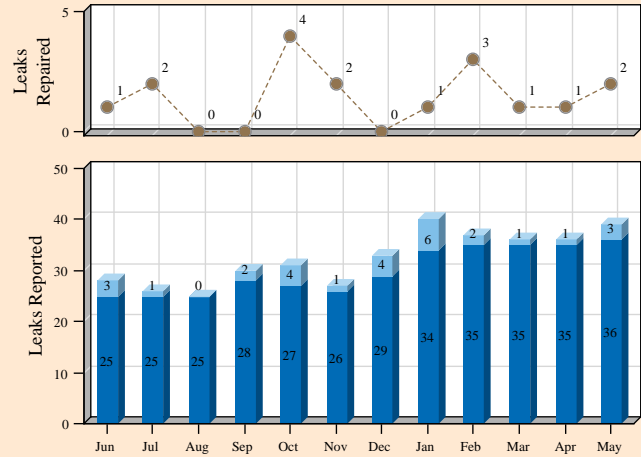
- Pending Main Work Orders
- Water Main Work Orders Reported
- Water Main Work Orders Repaired



There were 18 Water Main Work Orders reported in May

**WATER VALVE LEAKS**

- Pending Valve Leaks
- Valve Leaks Reported
- Valve Leaks Repaired



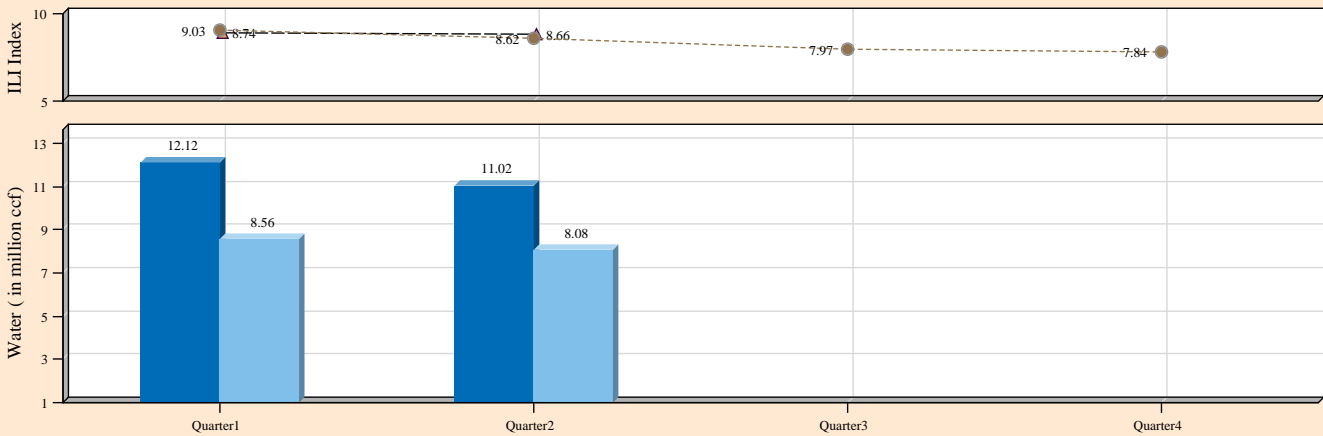
2 leak were resolved in May

**WATER BALANCE**

**NON-REVENUE WATER**

Volume of Water Purchased and Sold per Quarter

- FY-2017: Water Purchased
- FY-2017: Water Sold
- FY-2016: Infrastructure Leakage Index
- ▲ FY-2017: Infrastructure Leakage Index



In the 2nd quarter 8.1 out of 11 million cubic feet of water was sold

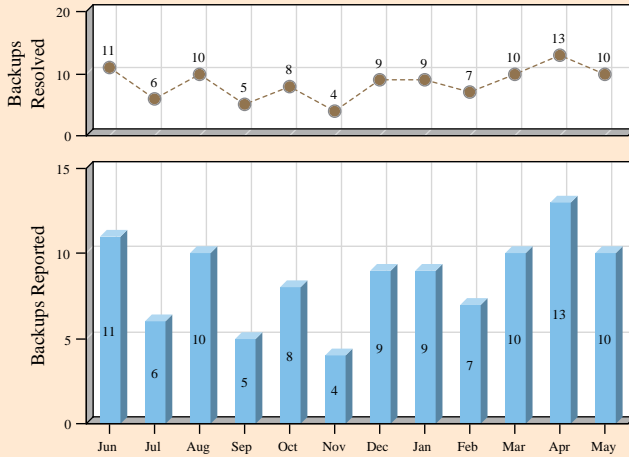
**OPERATIONAL HIGHLIGHTS**

**SEWER SYSTEM OPERATIONS**

**SEWER MAIN BACKUPS**

*Sewer Mains Backed Up and Relieved per Month*

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

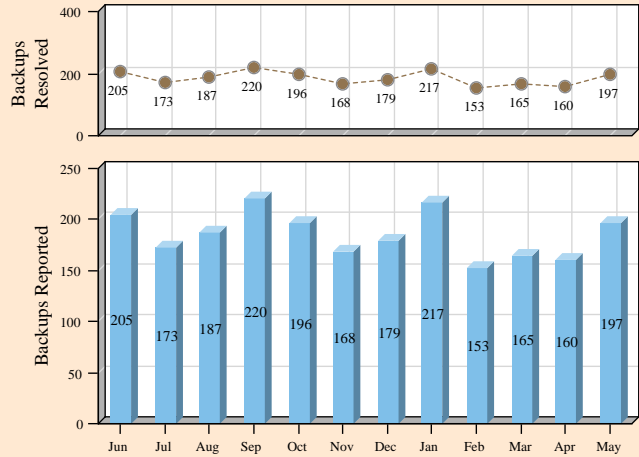


*No pending main backups reported*

**SEWER LATERAL BACKUPS**

*Sewer Laterals Backed Up and Relieved per Month*

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



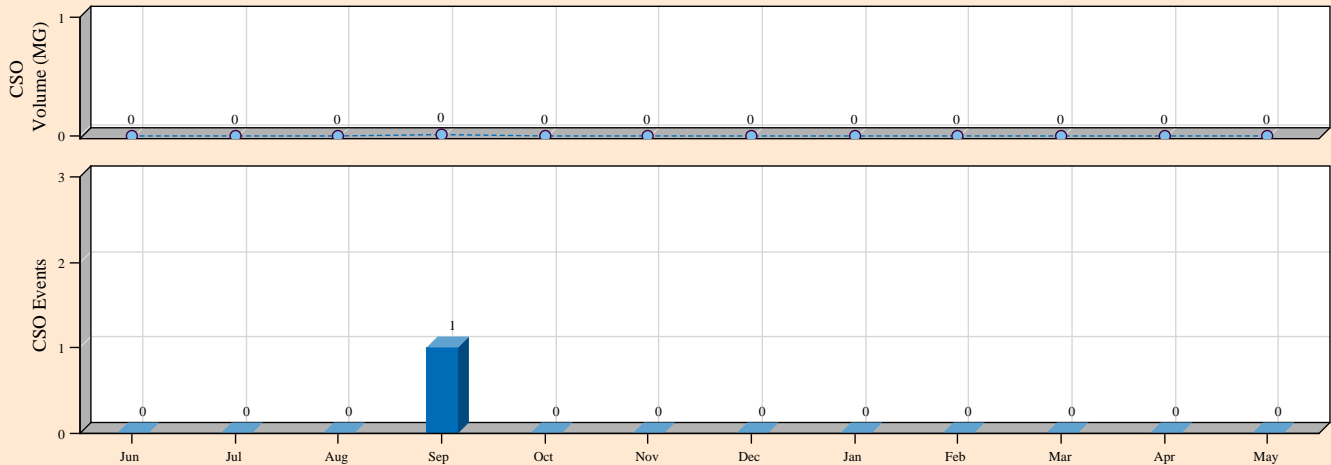
*No pending lateral backups reported*

**COMBINED SEWER SYSTEM**

**DRY WEATHER CSO EVENTS**

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

- Number of CSO Events
- Overflow Volume (MG)

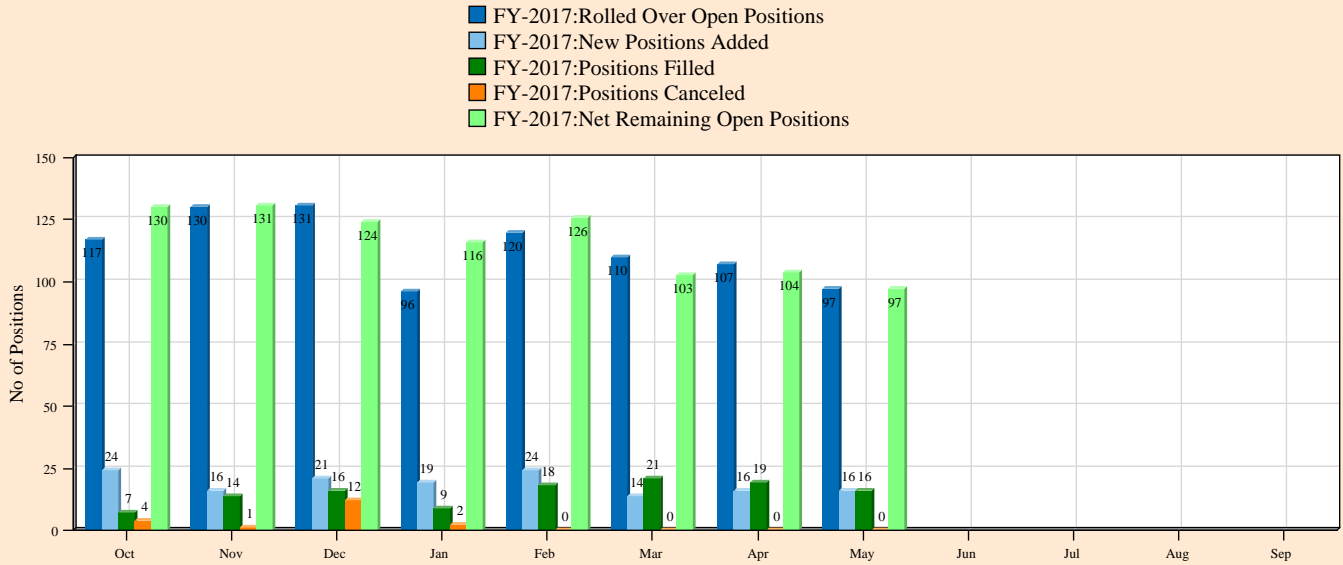


*No dry weather Combined Sewer Overflow event were recorded in May 2017*

**OPERATIONAL HIGHLIGHTS**

**HUMAN RESOURCES**

**RECRUITMENT ACTIVITY**



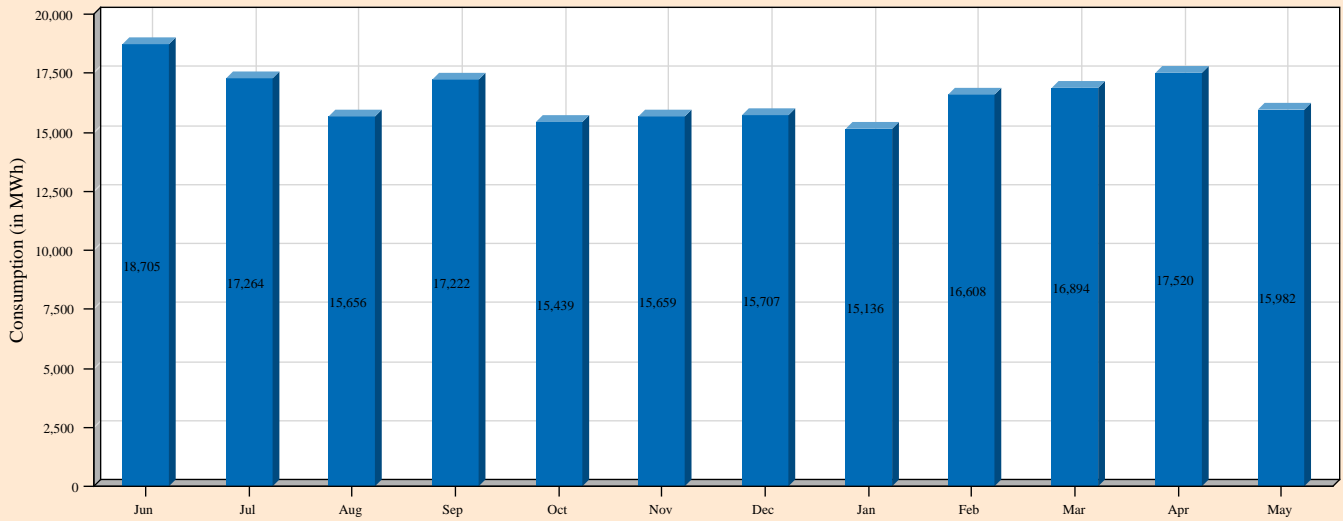
*In May we began the month with 97 positions, received 16 new positions, filled 16, 0 cancellations and ended the month with 97 positions*

**OPERATIONAL HIGHLIGHTS**

**ENERGY**

**ELECTRICITY USAGE SUMMARY**

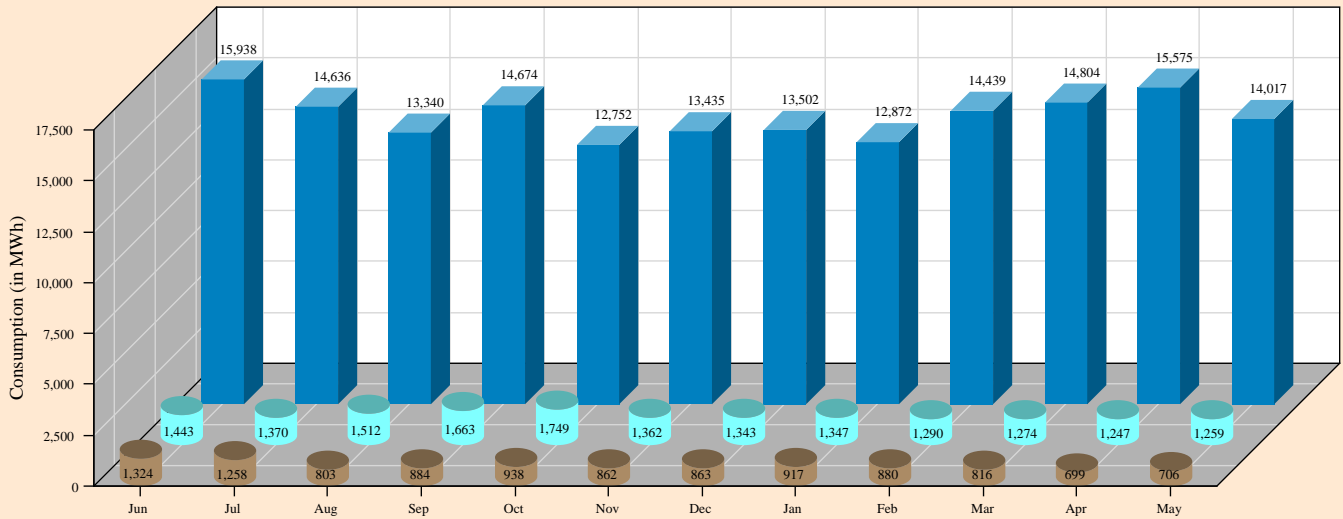
■ Total Consumption (MWh)



*Electricity Consumption in May was 15,982 MWh*

**ELECTRICITY USAGE BY SERVICE AREA**

■ Sewer Pumping ■ Water Pumping ■ Waste Water Treatment



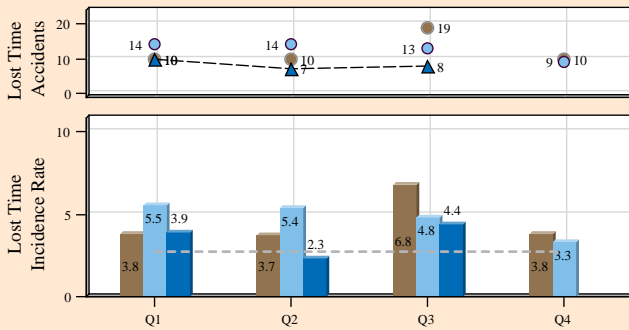
*Wastewater treatment had the highest electricity consumption in May at 14,017 MWh*

**OPERATIONAL HIGHLIGHTS**

**SAFETY**

**EMPLOYEE LOST TIME INCIDENCE RATE**

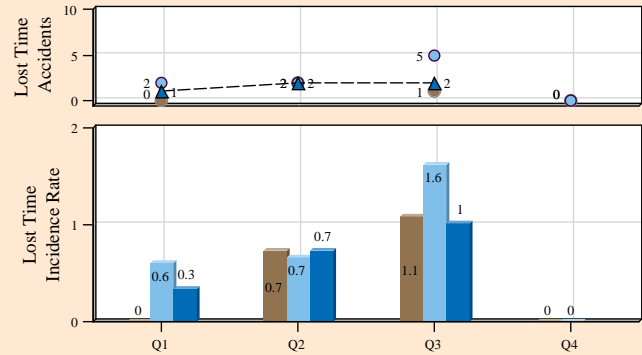
- FY-2015: LT Incidence Rate
- FY-2016: LT Incidence Rate
- FY-2017: LT Incidence Rate
- FY-2015: No of LT Accidents
- FY-2016: No of LT Accidents
- ▲ FY-2017: No of LT Accidents
- - - Target/National: LT Incidence Rate



Thru the 2nd Month of 3rd quarter, 8 lost time accidents were reported

**CONTRACTOR LOST TIME INCIDENCE RATE**

- FY-2015: LT Incidence Rate
- FY-2016: LT Incidence Rate
- FY-2017: LT Incidence Rate
- FY-2015: No of LT Accidents
- FY-2016: No of LT Accidents
- ▲ FY-2017: No of LT Accidents

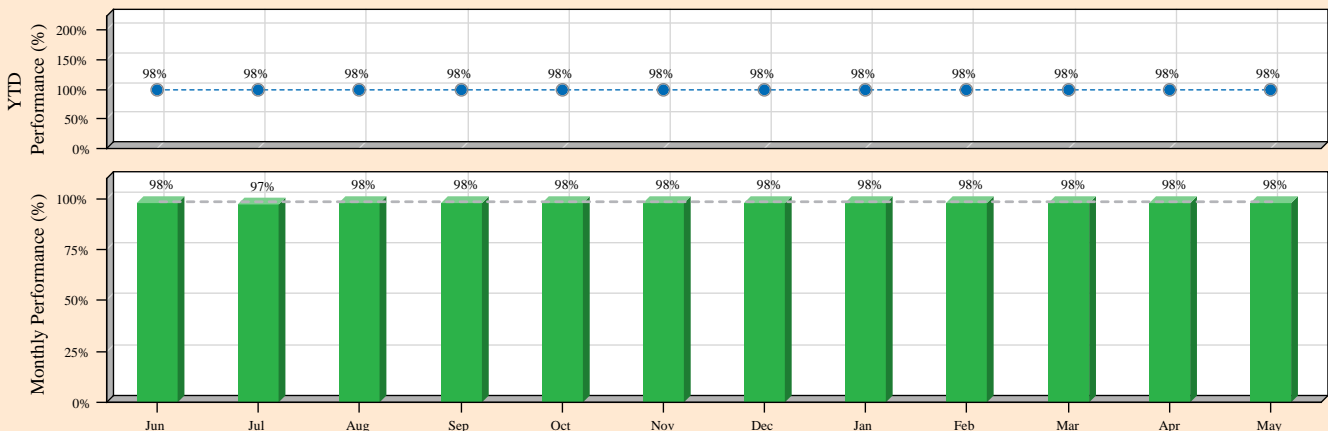


Thru the 2nd Month of 3rd quarter, 2 lost time accidents were reported

**VENDOR PAYMENTS**

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

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



Monthly performance for May was above Budget by 1%



**INTERPRETATION OF CHARTS:**

**FINANCIAL HIGHLIGHTS**

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**Revenue, Expenditure, Capital Disbursement**

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

**Net Operating Cash**

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

**Operating Revenues**

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

**Operating Expenses**

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

**Capital Disbursements**

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

**Operating Cash Balance**

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

**Delinquent Account Receivables**

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

**Investment Cash Earnings**

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

**Core Investments Yield**

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

**Short Term Investment Yield**

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

Dynamic Color Coding Legend

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

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

A

**CUSTOMER CARE AND OPERATIONS HIGHLIGHTS**

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

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

**LOW INCOME ASSISTANCE PROGRAM**

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**SPLASH Contributions**

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

**Customer Assistance Program (CAP)**

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

**OPERATIONAL HIGHLIGHTS**

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

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

**Total Coliform Rule (TCR)**

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

**Biosolids Production**

- Bar graph shows monthly average daily biosolids production

**Total Nitrogen**

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

**Plant Effluent Flow**

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

**Excess Flow**

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

**Water Main Leaks**

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

**Water Valve Leaks**

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

Dynamic Color Coding Legend

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

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

**Non Revenue Water**

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

**Sewer Main Backups**

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

**Sewer Lateral Backups**

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

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

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

**Open Positions**

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

**Electricity Usage Summary**

- Bar graph shows total electricity consumption per month

**Electricity Usage by Service Area**

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

**Employee Lost Time Incidence Rate**

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

**Contractor Lost Time Incidence Rate**

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

Dynamic Color Coding Legend

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

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

**Vendor Payment Performance**

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

Dynamic Color Coding Legend

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

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

E



**Consent Agenda**

**Summary of Contracts**

**233<sup>rd</sup> Meeting of the DC Water Board of Directors**

**Thursday, July 6, 2017**

**Joint Use Contracts**

1. **Resolution No. 17-43, Option Year One of Contract No. 16-PR-DWT-41A, Colonial Chemicals, Inc.** The purpose of the option is to continue the supply and delivery of methanol to meet the nitrogen discharge limits required by EPA and DC Water's operating permit. The option amount is \$7,052,000. (Recommended by Environmental Quality and Operations Committee 06/15/17)
2. **Resolution No. 17-44, Option Year One of Contract No. 16-PR-DWT-41B, Mitsubishi International Corp.** The purpose of option is to continue the supply and delivery of methanol to meet the nitrogen discharge limits required by EPA and DC Water's operating permit. The option amount is \$2,373,000. (Recommended by Environmental Quality and Operations Committee 06/15/17)
3. **Resolution No. 17-45, Contract No. 140150, Salini Impregilo S.A. Healy JV.** The purpose of the contract is to provide design services and construction of the Division J-Northeast Boundary Tunnel in support of the DC Clean Rivers Project. The contract amount is \$579,975,000. (Recommended by Environmental Quality and Operations Committee 06/15/17)
4. **Resolution No. 17-46, Contract No. 170050, Anchor Construction Corp.** The purpose of the contract is to provide the repairs and extensions to the sewer system on an as-needed basis during normal work hours and provide limited 24-hour emergency work. The contract amount is \$19,993,824.95. (Recommended by Environmental Quality and Operations Committee 06/15/17)
5. **Resolution No. 17-47, Contract No. WAS-12-027-AA-SS, Aon Risk Solutions.** The purpose of this contract is to provide insurance brokerage and administrative services for the Rolling Owner Controlled Insurance Program (ROCIP). The contract provides insurance for capital construction projects. The contract amount is \$957,160 (Recommended by Finance and Budget Committee 06/22/17)

**Presented and Adopted: July 6, 2017**

**SUBJECT: Adoption of Collective Bargaining Agreement on Working Conditions between DC Water and the Unions comprising Compensation Unit 31 (AFGE Locals 631, 872 and 2553; AFSCME Local 2091; and NAGE Local R3-06)**

**17-42  
RESOLUTION  
OF THE  
BOARD OF DIRECTORS OF THE  
DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority, ("Authority") at its meeting on June 6, 2017 upon consideration of a joint-use matter, decided by a vote of \_\_\_\_ (\_\_\_) in favor and \_\_\_ (\_\_\_) opposed, to take the following action with respect to approval of the proposed Collective Bargaining Agreement between DC Water and the Unions comprising Compensation Unit 31 (AFGE Locals 631, 872 and 2553; AFSCME Local 2091; and NAGE Local R3-06).

**WHEREAS**, the District of Columbia Public Employee Relations Board (PERB) has certified the Unions comprising Compensation Unit 31, as the exclusive collective bargaining agents for compensation and working conditions; and

**WHEREAS**, representatives of the Authority and the Compensation Unit 31 have bargained in good faith pursuant to law to reach agreement on terms for the period covering Fiscal Years 2016 through 2019; and

**WHEREAS**, the Human Resources and Labor Relations Committee met on June 8, 2017, and has recommended that the Board approve execution of a successor agreement on compensation ("Successor Agreement"); and

**WHEREAS**, the Successor Agreement has been ratified by all of the Unions that comprise Compensation Unit 31; and

**WHEREAS**, the Board has determined that provisions contained in the Successor Agreement represent a joint effort by the Unions and the Authority to assure fairness to employees and efficient management by the Authority.

**NOW THEREFORE BE IT RESOLVED:**

1. The Board approves the Successor Agreement between the Authority and the Unions comprising Compensation Unit 31.
2. The Successor Agreement be effective, in accordance with its terms, for the period covering Fiscal Years 2016 through 2019.

3. The Chairman of the Board and the General Manager are authorized to execute the Successor Agreement.
4. The General Manager is authorized to take all actions necessary to fully implement provisions contained in the Successor Agreement.

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Secretary to the Board of Directors



**Presented and Adopted: July 6, 2017**

**SUBJECT: Approval to Execute Option Year One of Contract No. 16-PR-DWT-41A, Colonial Chemicals, Inc.**

**#17-43  
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 July 6, 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. 16-PR-DWT-41A, Colonial Chemicals, Inc.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute Option Year One of Contract No. 16-PR-DWT-41A, Colonial Chemicals, Inc. The purpose of the option is to continue the supply and delivery of methanol to meet the nitrogen discharge limits required by EPA and DC Water's operating permit. The option amount is \$7,052,000.

This Resolution is effective immediately.

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

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

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT AWARD  
Supply and Delivery of Methanol  
(Joint Use)**

This contract action is to exercise option year 1 in the amount of \$7,052,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Colonial Chemicals, Inc. 916 West Lathrop Avenue Savannah, GA 31415	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Base Period Contract Value:	\$5,363,280.00
Base Contract Period:	1 Year
No. of Option Years:	2
Modification Value:	\$490,000.00
Modification Dates:	06-01-2017 – 06-30-2017
<b>Option Year 1 Value:</b>	<b>\$7,052,000.00</b>
<b>Option Year 1 Dates:</b>	<b>07-01-2017 – 08-06-2018</b>

**Purpose of the Contract:**

To secure the consistent supply and delivery of methanol to meet the nitrogen discharge limits required by the EPA and our operating permit. Methanol is used by the Blue Plains Advanced Wastewater Treatment Plant as part of the process to reduce effluent nitrogen levels to meet EPA requirements. DC Water dual-sources methanol to assure a continuity of supply. Colonial Chemical was awarded 75% of our volume requirements, and Mitsubishi was awarded 25%.

**Contract Scope:**

Exercising option year 1 one month early became necessary as the base year fund is exhausted quicker than originally anticipated due to the increase in the methanol pricing although the amount of methanol consumption remained steady. DC Water methanol pricing is determined by the IHS market index which averaged 41% higher during the base year than the start of the base year. This yielded pricing that is still 8.2% lower than under the previous contract. The industry forecasts that methanol production and supply will likely increase in 2017, which is expected to stabilize industry pricing during option year 1. The new funding amount is calculated based on the latest market price forecast and forecasted consumption during the option year 1. A study is underway to reduce the ammonia load on the nitrification unit, and therefore reducing the nitrate load on the denitrification unit which will result in the lower consumption of methanol.

**Spending Previous Year:**

Cumulative Contract Value:	08-07-2016 to 08-06-2017: \$5,858,280.00
Cumulative Contract Spending:	08-07-2016 to 04-30-2017: \$4,165,105.23

**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 LBE/LSBE participation.

**PROCUREMENT INFORMATION**


<b>Contract Type:</b>	Fixed Price Requirement Contract	<b>Award Based On:</b>	Lowest Cost Technically Acceptable Offeror
<b>Commodity:</b>	Goods and Services	<b>Contract Number:</b>	16-PR-DWT-41A
<b>Contractor Market:</b>	Open Market with Preference Points for LBE and LSBE Participation		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Wastewater Treatment
<b>Service Area:</b>	Blue Plains AWTP	<b>Department Head:</b>	Salil Kharkar

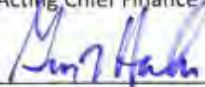
**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	41.92%	\$2,956,198.40
Washington Suburban Sanitary Commission	43.33%	\$3,055,631.60
Fairfax County	9.81%	\$691,801.20
Loudoun Water	4.29%	\$302,530.80
Other (PI)	0.65%	\$45,838.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$7,052,000.00</b>

 / 6/7/17  
 Akilile Tesfaye  
 Assistant General Manager,  
 Blue Plains  
 Date

 / 6/7/17  
 Dan Bae  
 Director of Procurement  
 Date

 / 6/8/17  
 Robert Hunt  
 Acting Chief Finance Officer  
 Date

 / 6/22/17  
 George S. Hawkins  
 General Manager  
 Date

**Presented and Adopted: July 6, 2017**

**SUBJECT: Approval to Execute Option Year One of Contract No. 16-PR-DWT-41B, Mitsubishi International Corp.**

**#17-44  
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 July 6, 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. 16-PR-DWT-41B, Mitsubishi International Corp.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute Option Year One of Contract No. 16-PR-DWT-41B, Mitsubishi International Corp. The purpose of the option is to continue the supply and delivery of methanol to meet the nitrogen discharge limits required by EPA and DC Water's operating permit. The option amount is \$2,373,000.

This Resolution is effective immediately.

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

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

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT AWARD  
Supply and Delivery of Methanol  
(Joint Use)**

This contract action is to exercise option year 1 in the amount of \$2,373,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Mitsubishi International Corp. 655 Third Avenue New York, NY 10017	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Base Period Contract Value:	\$1,925,000.00
Base Contract Period:	1 Year
No. of Option Years:	2
Modification Value:	\$74,000.00
Modification Dates:	06-01-2017 – 06-30-2017
<b>Option Year 1 Value:</b>	<b>\$2,373,000.00</b>
<b>Option Year 1 Dates:</b>	<b>07-01-2017 – 08-06-2018</b>

**Purpose of the Contract:**

To secure the consistent supply and delivery of methanol to meet the nitrogen discharge limits required by the EPA and our operating permit. Methanol is used by the Blue Plains Advanced Wastewater Treatment Plant as part of the process to reduce effluent nitrogen levels to meet EPA requirements. DC Water dual-sources methanol to assure a continuity of supply. Colonial Chemical was awarded 75% of our volume requirements, and Mitsubishi was awarded 25%.

**Contract Scope:**

Exercising option year 1 one month early became necessary as the base year fund is exhausted quicker than originally anticipated due to the increase in the methanol pricing although the amount of methanol consumption remained steady. DC Water methanol pricing is determined by the IHS market index which averaged 41% higher during the base year than the start of the base year. This yielded pricing that is still 8.2% lower than under the previous contract. The industry forecasts that methanol production and supply will likely increase in 2017, which is expected to stabilize industry pricing during option year 1. The new funding amount is calculated based on the latest market price forecast and forecasted consumption during the option year 1. A study is underway to reduce the ammonia load on the nitrification unit, and therefore reducing the nitrate load on the denitrification unit which will result in the lower consumption of methanol.

**Spending Previous Year:**

Cumulative Contract Value:	08-07-2016 to 08-06-2017: \$1,999,000.00
Cumulative Contract Spending:	08-07-2016 to 04-30-2017: \$1,425,236.16

**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 LBE/LSBE participation.

**PROCUREMENT INFORMATION**

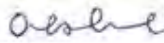
<b>Contract Type:</b>	Fixed Price Requirement Contract	<b>Award Based On:</b>	Lowest Cost Technically Acceptable Offeror
<b>Commodity:</b>	Goods and Services	<b>Contract Number:</b>	16-PR-DWT-41B
<b>Contractor Market:</b>	Open Market with Preference Points for LBE and LSBE Participation		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Wastewater Treatment
<b>Service Area:</b>	Blue Plains AWTP	<b>Department Head:</b>	Salil Kharkar

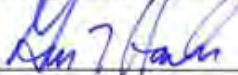
**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	41.92%	\$994,761.60
Washington Suburban Sanitary Commission	43.33%	\$1,028,220.90
Fairfax County	9.81%	\$232,791.30
Loudoun Water	4.29%	\$101,801.70
Other (PI)	0.65%	\$15,424.50
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$2,373,000.00</b>

 / 6/7/17  
 Akile Tesfaye  
 Assistant General Manager,  
 Blue Plains  
 Date

 / 6/7/17  
 Dan Bae  
 Director of Procurement  
 Date

 / 6/8/17  
 Robert Hunt  
 Acting Chief Finance Officer  
 Date

 / 6/22/17  
 George S. Hawkins  
 General Manager  
 Date

**Presented and Adopted: July 6, 2017**

**SUBJECT: Approval to Execute Contract No. 140150, Salini Impregilo  
S.A. Healy JV**

**#17-45  
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 July 6, 2017 upon consideration of a joint use matter, decided by a vote of \_\_\_() in favor and \_\_\_() opposed to execute Contract No. 140150, Salini Impregilo S.A. Healy JV.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute Contract No. 140150, Salini Impregilo S.A. Healy JV. The purpose of the contract is to provide design services and construction of the Division J-Northeast Boundary Tunnel in support of the DC Clean Rivers Project. The contract amount is \$579,975,000.

This Resolution is effective immediately.

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

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

**ACTION REQUESTED**

**DESIGN-BUILD CONTRACT:**

**Anacostia River Combined Sewer Overflow Control Projects  
Division J – Northeast Boundary Tunnel  
(Joint Use)**

Approval to execute a design-build contract for \$579,975,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Salini Impregilo S.A. Healy JV 2600 Independence Avenue, SE Washington, DC 20003	<b>MBE/WBE Eligible Amounts:</b>	
<u>Headquarters</u> Henderson, NV 89074	<b>Design</b> <b>\$ 15,000,000.00</b>	32.9%
	MBE     \$ 4,940,268.00	4.9%
	WBE     \$ 741,140.00	
	<b>Construction</b> <b>\$478,450,000.00</b>	
	MBE     \$113,842,000.00	23.8%
	WBE     \$ 17,853,000.00	3.7%
	Total Eligible     \$493,450,000.00	
	MBE/WBE Total     \$137,376,408.00	
	See Attachment A for List of Subs and Exempt Category Amounts	

**DESCRIPTION AND PURPOSE**

Contract Value, Not-To-Exceed:	\$ 579,975,000.00
Contract Time:	1930 Days (5 Years, 3 Months)
Anticipated Contract Start Date:	09-18-2017
Anticipated Contract Completion Date:	12-30-2022
Proposal Due Date:	03-01-2017
Number of Firms Submitting Qualifications:	7
Number of Firms Shortlisted:	4

**Purpose of the Contract:**

Provide design services and construction of the Division J – Northeast Boundary Tunnel in support of the DC Clean Rivers Project.

This work is required by a Consent Decree and in accordance with the Mayor's Task Force Report.

**Contract Scope:**

- Design and construct approximately 26,700 feet of 23-foot minimum inside diameter soft-ground tunnel, with bolted/gasketed precast concrete liner from a mining shaft at CSO 019 to a drop shaft at the intersection of R Street NW and 6th Street NW near Rhode Island Avenue.
- Construct five diversion chambers to relieve the existing sewers during storm events and divert flow to the tunnel for conveyance and storage. The diverted flows will be directed to the tunnel via six dropshafts and five adits at approximately 60 to 140 feet below grade.
- Design and construct an underground connection between the First Street Tunnel and the Northeast Boundary Tunnel. Decommission the temporary First Street Tunnel Pump Station.
- Construct an above-grade ventilation control facility at 1241 W Street NE.

**Federal Grant Status:**

- The construction contract may be funded in part by prior congressional appropriations for CSO projects.



**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price	<b>Award Based On:</b>	Best Value
<b>Commodity:</b>	Design and Construction	<b>Contract Number:</b>	140150
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	DC Clean Rivers Project
<b>Service Area:</b>	Combined Sewer Overflow	<b>Department Head:</b>	Carlton Ray
<b>Project:</b>	CY		

**ESTIMATED USER SHARE INFORMATION**

**CY – Allocation (LTCP – CSO 019 to W Street)**

User	Share %	Dollar Amount
District of Columbia	92.90%	\$253,247,405.05
Federal Funds	0.00%*	\$
Washington Suburban Sanitary Commission	5.54%	\$ 15,102,159.57
Fairfax County	1.01%	\$ 2,753,281.80
Loudoun County & Potomac Interceptor	0.55%	\$ 1,499,311.87
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$272,602,158.29</b>

**CY – Allocation (CAPM – W Street to R Street)**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$307,372,841.71
Federal Funds	0.00%*	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$307,372,841.71</b>

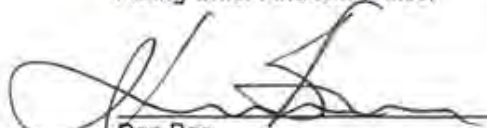
**Total Combined Allocation**

User	Share %	Dollar Amount
District of Columbia	96.66%	\$560,620,246.76
Federal Funds	0.00%*	\$
Washington Suburban Sanitary Commission	2.60%	\$ 15,102,159.57
Fairfax County	0.48%	\$ 2,753,281.80
Loudoun County & Potomac Interceptor	0.26%	\$ 1,499,311.87
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$579,975,000.00</b>

\* Eligible for Federal Appropriation Funding. Appropriation funding is insufficient to fund all eligible contracts. Federal Appropriations Funding may be used if additional funding becomes available or if other eligible projects are postponed.

  
 Robert Hunt  
 Acting Chief Financial Officer  
 Date: 6/7/17

  
 Leonard R. Benson  
 Chief Engineer  
 Date: 6/5-17

  
 Dan Bae  
 Director of Procurement  
 Date: 6/7/17

  
 George S. Hawkins  
 General Manager  
 Date: 6/22/17

**DESIGN-BUILD CONTRACT 140150**  
**ANACOSTIA RIVER COMBINED SEWER OVERFLOW CONTROL PROJECTS**  
**DIVISION J – NORTHEAST BOUNDARY TUNNEL**  
**ATTACHMENT A**  
**SUBCONTRACTOR LISTING AND EXEMPT CATEGORY AMOUNTS**

SUBS:		PARTICIPATION:	AMOUNT:
<u>Design Consultants</u>			
Subsurface & Tunnel Engineering LLC Frederick, Maryland 21704	MBE	13.99%	\$2,098,534
DLZ National, Inc Cleveland, Ohio 43113	MBE	9.63%	\$1,443,848
EBA Engineering, Inc. Laurel, Maryland 20707	MBE	8.44%	\$1,266,286
Concrete Consultants Group Bellefontaine, Ohio 43311	MBE	0.88%	\$131,600
Aldea Services LLC Frederick, Maryland 21704	WBE	4.94%	\$741,140
<u>Construction Subcontractors/Suppliers</u>			
Bulldog Distribution Trucking, LLC Beltsville, Maryland 20705	MBE	7.15%	\$34,203,000
Conseg, JV Beltsville, Maryland 20705	MBE	6.93%	\$33,171,000
Monumental Washington, DC 20032	MBE	4.01%	\$19,201,000
Bulldog Construction, Inc. Lanham, Maryland 20706	MBE	3.06%	\$14,627,000
EnTech Engineering, P.C. New York, New York 10004	WBE	2.53%	\$12,095,000
Ackerman & Baynes Baltimore, Maryland 21213	MBE	1.71%	\$8,170,000
EBA Engineering, Inc. Laurel, Maryland 20707	MBE	0.73%	\$3,469,000
Metro Petroleum, Inc. Airy, Maryland 21771	WBE	0.46%	\$2,200,000
Watkins Security Agency of DC, Inc. Washington, DC 20019	WBE	0.33%	\$1,589,000
Bay Associates Environmental, Inc. Baltimore, Maryland 21228	WBE	0.23%	\$1,100,000
EMC2 Rockville, Maryland 20850	MBE	0.21%	\$1,001,000
Aarons Concrete Pumping Westminster, Maryland 21158	WBE	0.18%	\$869,000

**DESIGN-BUILD CONTRACT 140150  
ANACOSTIA RIVER COMBINED SEWER OVERFLOW CONTROL PROJECTS  
DIVISION J – NORTHEAST BOUNDARY TUNNEL  
ATTACHMENT A  
SUBCONTRACTOR LISTING AND EXEMPT CATEGORY AMOUNTS**

US EPA Fair Share objective for Design: MBE 28%/WBE 4%  
US EPA Fair Share objective for Construction: MBE 32%/WBE 6%

The Contractor will continue to pursue opportunities to meet or exceed the M/WBE Fair Share Objectives as the final design is completed and construction needs are identified. The Contractor will partner with DC Water to identify protected class firms who are eligible and interested in participating in the program for specific portions of the work. Together, we will endeavor to achieve the MBE and WBE objectives for the program.

The Contractor has an excellent performance history concerning M/WBE participation on DC Water's Division H – Anacostia River Tunnel Project (ART) which is currently 89% complete. The following table summarizes their commitments at the time of the ART Fact Sheet and current achievements to date on the project:

**Summary of Contractor's M/WBE Performance History on the Anacostia River Tunnel Project**

ITEM	ART AT TIME OF FACT SHEET		ART CURRENT ACHIEVEMENTS	
	MBE	WBE	MBE	WBE
Design	28%	4%	29%	4%
Construction	23%	4%	32%	5%

The following table provides a summary of the major project items that are excluded from the M/WBE Fair Share Objectives at this time.

**Northeast Boundary Tunnel Items Exempt from Fair Share Objectives**

ITEM DESCRIPTION	COST	EXPLANATION
Tunnel Boring Machine Mobilization	\$25,000,000	Exempt since there are no M/WBE Tunnel Boring Machine manufacturers
Project Allowance, Tier 1A and 1B Allowance, Utility Agency Allowance	\$31,800,000	Need for and exact scope of work unknown at this time. As the scope of work is better defined, additional subcontractors and suppliers will be solicited and efforts will be made to utilize M/WBE firms. A portion of the Utility Agency Allowance (\$6,500,000) will be paid directly to utility agencies to complete the work
Community Impact Mitigation	\$11,000,000	Fees are paid directly to District and other regulatory agencies
Permit and Police Detail Fees	\$7,250,000	Exempt to encourage Contractor to self-perform to mitigate issues experienced on previous projects, that affected safety, quality, schedule and cost
Mt Olivet Road Diversion Sewer Tunnel (located under a 20" watermain)	\$10,000,000	Need for and exact scope of work unknown at this time. As the scope of work is better defined, additional subcontractors and suppliers will be solicited and efforts will be made to utilize M/WBE firms
Other Miscellaneous Items such as Safety Training and Radio Time for Commuter Outreach	\$1,475,000	
<b>TOTAL</b>	<b>\$86,525,000</b>	

**Presented and Adopted: July 6, 2017**

**SUBJECT: Approval to Execute Contract No. 170050, Anchor Construction Corp.**

**#17-46  
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 July 6, 2017 upon consideration of a joint use matter, decided by a vote of \_\_\_() in favor and \_\_\_() opposed to execute Contract No. 170050, Anchor Construction Corp.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute Contract No. 170050, Anchor Construction Corp. The purpose of the contract is to provide the repairs and extensions to the sewer system on an as-needed basis during normal work hours and provide limited 24-hour emergency work. The contract amount is \$19,993, 824.95.

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:**

**Emergency Sewer Main Infrastructure Repair & Replacement Contract  
for FY18-FY20  
(Joint Use)**

Approval to execute a construction contract for \$ 19,993,824.95.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Anchor Construction Corp. 2254 25 <sup>th</sup> Place, NE Washington, DC 20018  (MBE)	S&J Service, Inc. Hyattsville, MD	MBE 29.3%
	Steffron, LLC Washington, DC	MBE 3.0%
	Riviera Enterprises, Inc. Forestville, MD	MBE 0.3%
	TFE Resources, LTD. Pennsauken, NJ	WBE 4.0%
	R&R Contracting Utilities, Inc. Olney, MD	WBE 2.0%

**DESCRIPTION AND PURPOSE**

Contract Value, Not-To-Exceed:	\$19,993,824.95
Contract Time:	1096 Days (3 Years, 0 Months)
Anticipated Contract Start Date:	10-01-2017
Anticipated Contract Completion Date:	09-30-2020
Bid Opening Date:	05-17-2017
Bids Received:	2
Other Bids Received:	
Fort Myer Construction Corp.	\$22,366,255.90

**Purpose of the Contract:**

Provide repairs and extensions to the sewer system on an as-needed basis during normal work hours and provide limited 24-hour emergency work. This Contract allows DC Water to strategically utilize a combination of Sewer Services crews and contractor crews to respond to emergency conditions impacting the sewer system and when the backlog of scheduled work exceeds DC Water crews' ability to respond within a reasonable period of time.

If water main repair demands become critical and it is deemed to be in the best interest of DC Water, emergency water work may be assigned to emergency crews provided by this Contract.

The quantities established by DC Water for this contract were estimated and were used for the purpose of comparing the bids. Actual quantities assigned during the contract will be based on priority and the type of repairs required.

**Contract Scope:**

- Sewer Cleaning
- Sewer Rehabilitation
- Emergency Sewer Repairs

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Unit Price	<b>Award Based On:</b>	Lowest responsive, responsible bidder
<b>Commodity:</b>	Construction	<b>Contract Number:</b>	170050
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

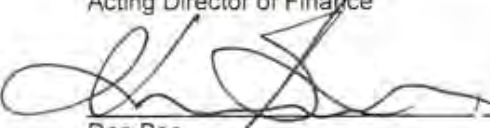
<b>Funding:</b>	Capital	<b>Department:</b>	Sewer Services
<b>Service Area:</b>	Sanitary, Combined Sewer Overflow, Stormwater	<b>Department Head:</b>	Cuthbert Braveboy
<b>Project:</b>	FN, FP, H5, H6, HM, HN, JH, JI		

**\*ESTIMATED USER SHARE INFORMATION**


User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 19,993,824.95
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 19,993,824.95</b>

\* Work under this contract will be assigned as needed under specific task orders. It is anticipated that Joint Use work may be assigned during the contract period. As tasks are developed for work associated with specific facilities and costs are developed, the individual users will be notified and billed according to agreed cost sharing.

  
 Robert Hunt  
 Acting Director of Finance  
 Date: 6/7/17

  
 Dan Bae  
 Director of Procurement  
 Date: 6/7/17

  
 Charles Kiely  
 Assistant General Manager  
 Customer Care & Operations  
 Date: 5/8/17

  
 George S. Hawkins  
 General Manager  
 Date: 6/22/17

**Presented and Adopted: July 6, 2017**

**SUBJECT: Approval to Execute Contract No. WAS-12-027-AA-SS,  
Aon Risk Solutions**

**#17-47  
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 July 6, 2017 upon consideration of a joint use matter, decided by a vote of \_\_\_() in favor and \_\_\_() opposed to execute Contract No. WAS-12-027-AA-SS, Aon Risk Solutions.

**Be it resolved that:**

The Board of Directors hereby authorizes the General Manager to execute Contract No. WAS-12-027-AA-SS, Aon Risk Solutions. The purpose of this contract is to provide insurance brokerage and administrative services for the Rolling Owner Controlled Insurance Program (ROCIP). The contract provides insurance for capital construction projects. The contract amount is \$957,160.

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**

**Insurance Brokerage and Administrative Services for a Rolling Owner Controlled Insurance Program (ROCIP III)  
(Joint Use-Indirect)**

Approval to execute a contract modification for a twelve (12) month extension for the ROCIP III Program in the amount of \$957,160.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Aon Risk Solutions 1120 20 <sup>th</sup> Street, NW Suite 200 Washington, DC 20036-3406	<b>SUBS:</b> MFL Safety 1619 13 <sup>th</sup> Street, NW Washington, DC 20009 LSBE	<b>PARTICIPATION:</b> 50%
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**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$946,520.00
Original Contract Dates:	08-01-2012—07-31-2013
No. of Option Years in Contract:	4
Option Year 1 & 2 Values:	\$1,893,040.00
Option Year 1 & 2 Dates:	08-01-2013—07-31-2015
Option Year 3 & 4 Values:	\$2,520,360.00
Option Year 3 & 4 Dates:	08-01-2015—07-31-2017
Modification Value:	\$693,690.34
Modification Dates:	07-01-2014—07-31-2015
<b>This Modification Value:</b>	<b>\$957,160.00</b>
<b>This Modification Dates:</b>	<b>08-01-2017—07-31-2018</b>

**Purpose of the Contract:**

The purpose of this contract is to provide insurance brokerage and administrative services for the Rolling Owner Controlled Insurance Program (ROCIP). The contract provides insurance for capital construction projects.

**Contract Scope:**

To provide insurance brokerage and project administration services for the ROCIP III. ROCIP III covered the construction that was planned for the last five (5) years. The vendor also provides safety and loss prevention services for the capital construction projects.

**Reason for the Change:**

Current construction forecasts indicate active ROCIP III projects will continue through April 15, 2018. The current contract will expire July 31, 2017. The following services will be continued: quarterly claim reviews, claim and safety services, monthly ROCIP meetings, Aon wrap reports distributed regularly, process extension renewal with the carrier, work with the carrier to provide payroll for final payroll audit, and coordinate administrative tasks with Aon Client Services and provide claim and safety services as described in the existing contract.

**Spending Previous Year:**

Cumulative Contract Value:	08-01-2012 to 07-31-2017: \$6,053,610.34
Cumulative Contract Spending:	08-01-2012 to 05-10-2017: \$3,436,542.00*



\*The spending for the program was less than anticipated due to the underutilization of the safety specialist for the ROCIP III program.

**Contractor's Past Performance:**

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

**PROCUREMENT INFORMATION**

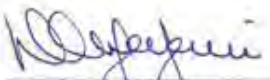
<b>Contract Type:</b>	Firm Fixed Price	<b>Award Based On:</b>	Highest Rated Offeror
<b>Commodity:</b>	Services	<b>Contract Number:</b>	WAS-12-027-AA-SS
<b>Contractor Market:</b>	Open Market with Preference Points for LBE and LSBE Participation		

**BUDGET INFORMATION**

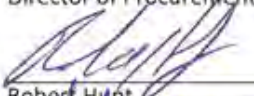
<b>Funding:</b>	Capital	<b>Department:</b>	Chief Finance Office
<b>Service Area:</b>	DC Water wide	<b>Department Head:</b>	Robert Hunt

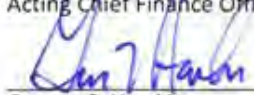
**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	41.22%	\$394,541.35
Washington Suburban Sanitary Commission	45.84%	\$438,762.14
Fairfax County	8.38%	\$80,210.01
Loudoun County	3.73%	\$35,702.07
Other (PI)	0.83%	\$7,944.43
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$957,160.00</b>

 , 06/15/17  
 Lola Oyeyemi  
 Director of Budget  
 Date

 , 6/15/17  
 Dan Bae  
 Director of Procurement  
 Date

 , 6/15/17  
 Robert Hunt  
 Acting Chief Finance Officer  
 Date

 , 6/22/17  
 George S. Hawkins  
 General Manager  
 Date

**Presented and Adopted: July 6, 2017**  
**SUBJECT: Approval to Transfer Part of FY 2017 Projected Net Cash Surplus to the Rate Stabilization Fund**

**#17-48**  
**RESOLUTION**  
**OF THE**  
**BOARD OF DIRECTORS**  
**OF THE**  
**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY**

The members of the Board of Directors (“Board”) of the District of Columbia Water and Sewer Authority (“the Authority”) at the Board meeting held on July 6, 2017 decided by a vote of \_\_\_\_() in favor and \_\_\_\_() opposed, to approve the following action with respect to transfer of ten million (\$10,000,000) of the FY 2017 Projected Net Cash Surplus Operating funds to the Rate Stabilization Fund and the remaining approximately seven hundred eighty-nine thousand dollars (\$789,000) to the year-end cash balance no later than September 30, 2017.

**WHEREAS**, the Board at its meeting December 4, 1997 approved Resolution #97-121 stating financial policies for the District of Columbia Water and Sewer Authority; and

**WHEREAS**, on March 5, 1998 the Board, in Resolution #98-08, approved further amendments to the Policies which were intended to establish strong levels of cash reserves and strong debt service coverage; and

**WHEREAS**, on April 2, 2004 the Board, in Resolution #04-30, approved additional amendments to the Policies which further describes the establishment of strong levels of cash reserves and debt service coverage; and

**WHEREAS**, on November 1, 2007, the Board, in Resolution #07-87, approved a Rate Stabilization Fund Policy and authorized the General Manager to implement that policy; and

**WHEREAS**, on July 1, 2010, the Board in Resolution, #10-76, which approved revisions to the Rate Stabilization Fund Policy establishing deadlines for the General Manager to analyze the Authority’s financial performance and make recommendations to the Finance and Budget Committee no later than that committee’s regularly scheduled meeting in July; and

**WHEREAS**, on January 6, 2011, the Board Resolution #11-10, which approved a revised Rate Setting Policy, which states “to the extent annual revenues exceed costs, the Boards policy will continue to utilize all available options to mitigate future

customer impacts and annual rate increases, including transferring some or all excess funds to the Rate Stabilization Fund"; and

**WHEREAS**, on June 22, 2017, the Finance and Budget Committee met to consider the use of the FY 2017 projected net cash surplus to the Rate Stabilization Fund; and

**WHEREAS**, on June 22, 2017, given the FY 2017 net projected cash surplus of ten million seven hundred and eight-nine thousand dollars (\$10,789,000) the General Manager recommended the transfer of ten million dollars (\$10,000,000) of the net projected cash surplus to the Rate Stabilization Fund and the remaining balance of approximately seven hundred and eighty-nine thousand dollars (\$789,000) transferred to the year-end cash balance no later than September 30, 2017; and

**WHEREAS**, upon consideration on June 22, 2017, the Finance and Budget Committee recommended the transfer of ten million dollars (\$10,000,000) from the Authority's projected net cash surplus for FY 2017 to the Rates Stabilization Fund and the remaining approximately seven hundred eighty-nine thousand dollars (\$789,000) to the year-end cash balance no later than September 30, 2017.

**NOW THEREFORE BE IT RESOLVED THAT:**

1. The Board approves the transfer of ten million dollars (\$10,000,000) from the Authority's projected net cash surplus for FY 2017 to the Rate Stabilization Fund no later than September 30, 2017. This will bring the total balance in the Rate Stabilization Fund to sixty-one million four hundred and fifty thousand dollars (\$61,450,000)
2. The Board approves the transfer of the remaining approximately seven hundred eighty-nine thousand dollars (\$789,000) to the year-end cash balance.
3. This resolution is effective immediately.

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Secretary to the Board of Directors