



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
220th MEETING OF THE BOARD OF DIRECTORS**

Thursday, May 5, 2016

9:30 a.m.

5000 Overlook Avenue, SW

Room 407

- I. **Call to Order (Chairman Matthew Brown)**
- II. **Roll Call (Linda Manley, Board Secretary)**
- III. **Approval of April 7, 2016 Minutes**
Approval of April 19, 2016 12th Special Meeting Minutes
- IV. **Chairman's Overview**
- V. **Committee Reports**
 1. **Environmental Quality and Sewerage Services Committee (Bo Menkiti)**
 2. **Joint Meeting of Environmental Quality and Sewerage Services and Water Quality and Water Services Committee (Bo Menkiti)**
 3. **Water Quality and Water Services Committee (Howard Gibbs)**
 4. **D.C. Retail Water and Sewer Rates Committee (Chairman Brown)**
 5. **Audit Committee (Nicholas Majett)**
- VI. **CEO/General Manager's Report (CEO/General Manager George Hawkins)**
- VII. **Summary of Contracts (FYI)**
- VIII. **Consent Items (Joint Use)**
 1. **Approval to Execute Contract No. 150020, Fort Myer Construction Corporation, Resolution No. 16-33 (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)**
 2. **Approval to Execute Supplemental Agreement No. 03 of Contract No. DCFA #429-WSA, ARCADIS District of Columbia, P.C. – Resolution No. 16-34 (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)**
 3. **Approval to Execute a contract modification to Contract No. WAS-09-012-AA-GA, M&M Electric Motor Repair, Inc. – Resolution No. 16-35 (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)**
 4. **Approval to Execute Option Year Four of Contract No. WAS-11-059-AA-RA, Collins Elevator Services, Inc. - Resolution No. 16-36 (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)**

IX. Consent Items (Non-Joint Use)

1. [Approval to Execute Option Year Four of WAS-12-034-AA-CE, Rodgers Brothers Custodial Services, Inc.– Resolution No. 16-37](#) (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)
2. [Approval to Execute Contract No. 130260, Inland Waters Pollution Control, Inc. – Resolution No. 16-38](#) (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)
3. [Approval for Notice of Final Rulemaking to Establish a New System Availability Fee – Resolution No. 16-39](#) (Recommended by DC Retail Water and Sewer Rates Committee 4/26/16)

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

XI. Adjournment

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

Upcoming Committee Meetings (5000 Overlook Avenue SW (Blue Plains – 4th Floor)

- Governance Committee – Wednesday, May 11, 2016 @ 9:30 a.m. (**CANCELLED**)
- Human Resource and Labor Relations Committee – Wednesday, May 11, 2016 @ 11:00 a.m.
- Environmental Quality and Sewerage Services Committee – Thursday, May 19, 2016 @ 9:30 a.m. (5000 Overlook Avenue, SW)
- Water Quality and Water Services Committees – Thursday, May 19, 2016 @ 11:00 a.m. (5000 Overlook Avenue, SW)
- Finance and Budget Committee – Thursday, May 28, 2016 @ 11:00 a.m. (5000 Overlook Avenue SW)



**District of Columbia
Water and Sewer Authority**

Board of Directors

**Environmental Quality and Sewerage
Services Committee Meeting**

Thursday, April 21, 2016

9:35 a.m.

MEETING MINUTES

Committee Members

James Patteson, Chairperson
Mathew T. Brown
Howard Gibbs
Elisabeth Feldt
Rev. Kendrick Curry
Bo Menkiti
David Lake

DC Water Staff Present

George Hawkins, CEO and General Manager
Len Benson, Chief Engineer
Linda R. Manley, Secretary to the Board

Other Member

Sarah Motsch

I. Call to Order

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

II. AWTP STATUS UPDATES

1. BPAWTP Performance

Mr. Aklile Tesfaye, Assistant General Manager for Wastewater Treatment, reported the monthly-average influent flow was 291 MGD. There was no Excess Flow during this reporting period. The enhanced nitrogen removal facility is performing well, producing a low total nitrogen (TN) concentration of 2.79 mg/l and is on target to meet permit limits for 2016. Overall, the plant performance was excellent with 100% permit compliance. In March, biosolids production was 416 wet tons per day (wtpd). Mr. Tesfaye mentioned that in March, the Plant began sending biosolids to a Waste Management Landfill in Virginia (VA) for use as a daily cover. This was part of a pilot program designed to demonstrate to the State of VA that the biosolids produced from Blue Plains is a suitable material for daily cover.

The Committee requested more information regarding the pilot program, specifically, on how the program can provide DC Water a wintertime option to generate revenue from biosolids and whether the material being hauled is Class A. Mr. Tesfaye replied that Waste Management has a current need for daily cover and that Blue Plains generated biosolids are suitable for such uses

may, in the future, provide an alternate means to generate revenue. However, Mr. Tesfaye stated that under existing arrangements, DCWater pays to haul the biosolids to the landfill, though at a cost reduction vs. land application. Mr. Tesfaye also confirmed that the material hauled is Class A biosolids.

Mr. Tesfaye stated the commissioning, acceptance and optimization activities of the Combined Heat and Power (CHP) facility continued through March 2016. The CHP facility generated an average of 71 MWH/day, making up 12% of total energy consumed at Blue Plains (i.e., 617 MWH/day) while the average energy purchased from PEPCO was 546 MWH/day. As was highlighted in last month's Board meeting, energy-generation was impacted by an unanticipated shut down of three (3) turbines, resulting in subsequent inspection and repair activities. As a result, the net energy export from CHP was lower for the month of March. Mr. Tesfaye added that the repairs on all 3 turbines had been completed and the last unit returned to full service on April 6, 2016 resuming production to pre-repair levels.

The Committee inquired if the maximum percentage total generated so far by the CHP (i.e., 32%) will be improved upon in the future. Mr. Tesfaye responded by saying the exact limitation of energy generation by the CHP will be known only when the current commissioning, acceptance testing and optimization activities are completed. The Committee also inquired as to when DC Water will ascertain the root causes for the turbine failures that occurred in March 2016. Mr. Tesfaye responded that DC Water is still working closely with the manufacturer to determine the root cause of failure and that discussions are still ongoing. He added that once the acceptance tests of the machines are completed in the next two months, DC Water can provide the Board with a more thorough explanation as to the root cause of the failures.

III. ACTION ITEMS

JOINT USE

1. Contract No. 150020, Fort Myer Construction Corporation
2. Contract No. DCFA #429-WSA, ARCADIS District of Columbia, P.C.
3. Contract No. WAS-09-012-AA-GA, M&M Electric Motor Repair, Inc.
4. Contract No. WAS-12-007-AA-SH, Nutri-Blend, Inc.
5. Contract No. WAS-11-059-AA-RA, Collins Elevator Services, Inc.

Mr. Len Benson, Chief Engineer, presented action items 1 and 2. Mr. Dan Bae, Director, Procurement, presented action items 3, 4 and 5.

Action Item 1: Request to execute construction contract for Division U – Northeast Boundary Tunnel Utility Relocations.

The Committee inquired as to the possible cause for a significant deviation in bid amount by one of the competing firms and if there was a change in design that created a level of uncertainty that resulted in such a high bid relative to the other firms. Mr. Benson and Mr. Carlton Ray, Director - Clean Rivers, responded by saying that the utility design is 100% complete and that DC Water has communicated all design parameters and coordinated with all competing firms to the fullest extent possible.

The Committee also inquired about whether the contract was partially funded by federal grants/appropriations. Mr. Benson replied that DC Water's Chief Finance Officer (CFO) has

discretion in determining which possible contracts will utilize the limited amount of federal appropriations that are available and that this particular contract has not been selected for such funding at this time. The Committee suggested that language under 'Federal Grant Status' on future fact sheets be modified to state "The Construction contract may be funded in part by prior congressional appropriations for CSO project". Mr. Benson replied that the suggestion would be implemented going forward.

Action Item 2: Request to execute Supplemental Agreement to provide onsite Construction Management (CM) Services for the Biosolids Management Program.

The Committee inquired if the delays experienced that resulted in the Supplemental Agreement were unforeseen or related to performance issues by the Contractor. Mr. Benson responded that this determination is still ongoing. Although some of the projects in this Program are uniquely complex and challenging and may conceivably cause unforeseen delays, performance-related delays may also be a cause. Mr. Benson added DC Water does have contractual mechanisms in place that would allow for financial protection if performance-related issues were determined to be a significant cause for the delays experienced.

Action Item 3: Request to execute contract for services to repair and maintain various large industrial pumps for DC Water Departments of Maintenance Services (DMS) and Distribution & Conveyance Systems (DDCS).

The Committee inquired if the dates of the current requested modification overlap with the modification period last requested (10/01/2009 to 07/31/2016). Mr. Bae explained that the dates do overlap because the current requested modification is an amendment/update to the earlier modification.

Action Item 4: DC Water requested to postpone the submittal of the fact sheet for Committee consideration and resubmit on the following month (May 2016) meeting.

Action Item 5: Request to execute option year four (4) for Elevator Maintenance and Repair Services.

The Committee recommended four (4) Joint-Use actions to the full Board.

NON JOINT USE

Action Item 1: Contract No. 130260, Inland Waters Pollution Control, Inc.

Request to execute construction contract for the cleaning and rehabilitation of the East Side Interceptor sewer. Mr. Benson mentioned that the 'Purpose of the Contract' statement in the fact sheet will be modified by substituting "or" with "and" so it reads "To clean and line the 51-inch diameter East Side Interceptor Sewer and clean, line and relocate other DC Water sewers inside the United States National Arboretum." The Committee inquired if the construction would be partially funded by contributions from the National Park Service (NPS). Mr. Benson responded that the project was entirely funded by DC Water.

Action Item 2: Contract No. WAS-12-034-AA-CE, Rodgers Brothers Custodial Services, Inc.

Request to execute option year four (4) for Sand, Gravel, Stone, Topsoil and Concrete contract

to backfill trenches and other excavated areas after sewer lateral replacement and other routine sewer maintenance work.

The Committee will recommend the two (2) Non Joint-Use actions to the full Board.

IV. OTHER BUSINESS/EMERGING ISSUES

None.

V. ADJOURNMENT

Meeting adjourned at 10:15 a.m.

Follow-up Items

1. AGM Blue Plains: Provide a root cause and financial impact report on the CHP turbine engine damage.
2. Chief Engineer: Modify language under 'Federal Grant Status' statement on future fact sheets to read "The Construction contract may be funded in part by prior congressional appropriations for CSO project".
3. Director Procurement: Resubmit fact sheet for option year four (4) for biosolids management in May 2016.
4. Chief Engineer: Modify language under 'Purpose of the Contract' statement for non-joint use fact sheet, Contract no. 130260 (Inland Waters Pollution Control, Inc.) and replace the word "or" with "and".



**District of Columbia
Water and Sewer Authority**

Board of Directors

**Joint Meeting of the Water Quality and
Water Services Committee and the
Environmental Quality and Sewer
Services Committee**

Thursday, April 21, 2016

10:42 a.m.

MEETING MINUTES

Committee Members

James Patteson, Co-Chairperson
Rachina Butani Bhatt
Howard Gibbs
Mathew T. Brown
Elisabeth Feldt
Rev. Kendrick Curry
Bo Menkiti
David Lake

DC Water Staff Present

George Hawkins, CEO and General Manager
Len Benson, Chief Engineer
Henderson L. Brown, Chief Counsel
Linda Manley, Secretary to the Board

Other Member

Sarah Motsch

I. Call to Order

Mr. Patteson called the meeting to order at 10:42 A.M.

II. ASSET MANAGEMENT PROGRAM UPDATE

Ms. Liliana Maldonado, Director, Engineering and Technical Services, began the update by stating that DC Water's Asset Management (AM) Program is now in Phase II of its development. As a result, she stated that DC Water anticipates having its first Asset Management Plan (AMP) that addresses not only capital investment but also operation and maintenance and business related needs by end of summer 2016. The first AMP developed will be for the Sewer service area; to be followed by those for the Water and Blue Plains service areas. Ms. Maldonado then invited Mr. Craig Fricke, Manager, Enterprise Asset Management, to continue with the presentation.

Mr. Fricke began the presentation by defining Asset Management as an integrated set of processes to minimize the lifecycle costs of infrastructure assets at an acceptable level of risk, while continuously delivering established levels of service. He then described that the initial phase (Phase I) of the AMP established the foundation for the Program by laying out an AM policy,

establishing levels of service, developing an enterprise risk framework, creating a governance structure and developing a strategic AMP. Mr. Fricke stated that DC Water's AM Program governance structure is comprised of a steering team (consisting of DC Water executive management) and a working team (consisting of operational asset managers and program managers). He mentioned that in addition to governing the Program, this structure is critical in expediting the transition of the Program from a consultant-led to an internal, DC Water- led effort. Mr. Fricke stated the key components of DC Water's AMP included development of a risk-based capital project prioritization process, business case evaluation process and AMPs for the Sewer, Water, Blue Plains service areas.

Mr. Fricke stated that Capital Project Prioritization was well underway. As part of the new prioritization process, a new CIP information form has been developed along with a tool and guidance manual. The CIP form will contain information such as project identification and description, project justification, budget information, cost estimates and other information to facilitate project prioritization. This newly developed prioritization process will be applied to the FY2017-26 CIP update cycle.

Mr. Fricke described the objectives of the Business Case Evaluations (BCE) process was to develop a rigorous, uniform methodology to assist DC Water in making business decisions through systematic evaluation of potential alternatives to address identified opportunities or needs. To this end, DC Water has conducted three pilots across the Water, Sewer and Blue Plains service areas. With these pilot programs, DC Water was able to involve cross-functional groups, brainstorm alternatives and obtain feedback from operations and program management staff. This has also resulted in the development of a BCE template and guidance manual tailored to DC Water for use going forward.

Three AMPs for each of the service areas (Water, Sewer, Blue Plains) are being developed and the Enterprise Asset Management Plan will be a summary of the three individual plans. The key outcome for these AMPs will be the formulation of minimum short and long-term investment profiles for each of the service areas. Mr. Fricke discussed the links between risk assessments, business case evaluations and capital project prioritizations. The committee inquired about the project efficiencies that will result from such interfaces. Mr. Fricke explained that analysis of these interfaces will be incorporated in future enhancements to the AM prioritization tool.

A comprehensive vertical-asset reliability improvement program is also underway at the Department of Distribution and Conveyance Systems (DDCS). This effort has three major components, i.e., the review of current work order processes, practices and workflows, establishment of vertical asset criticality and development of an asset care plan.

Linear Asset Management improvements are also underway with the Department of Water Services (DWS) and Department of Sewer Services (DSS) coordinating the effort. Some of the ongoing asset management plans in DWS include defining and implementing process improvements to update GIS throughout the Planning to Commissioning phases, developing/documenting a data improvement plan, and documenting business requirements for mobile application solutions. Concurrently in the DSS, some of the ongoing asset management efforts include updating SOPs, tracking labor and materials, developing a CMOM compliance manual and acquiring hardware equipment.

Mr. Fricke stated that a GIS based tool for linear assets risk assessment has been developed initially for the sewer system but a similar tool for the water system will soon follow. This tool takes into account the consequence of failure of a pipe segment (i.e., its criticality) and the likelihood of

failure (i.e., condition data) to calculate a risk score for the given segment. Since this tool is GIS based, the results of these risk assessments can be color coded and displayed on a map. Additional capabilities of this tool in regards to the sewer system include the planning and prioritizing of CCTV inspections, better emergency response planning and ability to coordinate inspection activities with other projects. Other overarching enterprise level initiatives are also underway that will help support DC Water's AM Program. High-level asset management key performance indicators (KPIs) have been developed. These KPIs will be refined and revised further as Enterprise Strategic Outcome Metrics and Performance Measures are developed.

Mr. Fricke mentioned that DC Water is taking part in an Asset Management Customer Value (AMCV) Benchmarking Program. This project, when completed, will deliver an asset-management maturity assessment for DC Water, and facilitate AM networks with other peer organizations and an understanding of leading edge AM practices. The AMCV framework will evaluate business processes across seven key functions: organizational management, asset capability planning, acquisition, operation, maintenance, replacement/rehabilitation and support applications. This program will have three deliverable reports, a utility report (contains benchmarking results, areas of strong/weak performance and improvement roadmaps), an industry report (contains participant business drivers & profiles and key industry-wide improvement initiatives) and a leading practice report (highlights leading practices in each of the service areas).

Mr. Fricke next provided an update on the transition of the AM effort from a consultant led effort to a DC Water led effort. He mentioned that both the AM steering team and the work teams were well established and engaged. The committee at this point inquired how DC Water has managed to ensure accountability in the collection and utilization of the large amount of data received from the different working groups. Mr. Fricke replied that the use of Maximo and other data collection software and databases have been instrumental and will continue to be so in the future, especially since software capabilities will be enhanced. Ms. Maldonado added that linking the AM Program with KPIs will play an important contribution in ensuring accountability. Mr. Fricke added that in relation to the transition effort mentioned above, DC Water has also hired multiple asset management related personnel to assist in this effort.

Mr. Fricke stated that the next steps for the AM Program consisted of continuing and finishing current ongoing initiatives such as implementing/refining CIP project prioritizations, utilizing BCE tools, conducting vertical & linear asset reliability improvements, finalizing KPIs, developing AMPs for all service areas and finishing participation in the AMCV Benchmarking Program. In addition, Mr. Fricke mentioned that the long-term plan of the AM Program includes the gradual phasing out of AM consultants, increased employment of AM practices by DC Water staff and adoption of AM principles and practices by existing Water, Sewer and Blue Plains programs and staff.

Mr. Benson then briefed the Committee on the capital budget status of the Asset Management Program. He provided a brief history, noting that for the 2012 CIP, management proposed a \$20 million capital budget for the Asset Management Program. He noted that through March 25, 2016, \$11,877,991 had been disbursed, \$448,225 remained unobligated, and \$2,475,039 of obligated funds had been set aside as contingency with no concrete plans to use these funds at this time. However, it is recognized that the program is still evolving and there will likely be a need after mid-year 2017 to use some amount of the contingency funds for potential task-orders to the CH2M Hill contract as needs develop for very specific expert level services. As well, a need may develop for additional capital-funded work directly for one or more of the operating units in each service area. With all the foregoing as caveat, Mr. Benson stated that management felt the capital work necessary to establish the enterprise AMP is likely to be accomplished over the next two years

well within the existing capital budget.

III. OTHER BUSINESS/EMERGING ISSUES

None.

IV. ADJOURNMENT

Meeting adjourned at 11:07 a.m.

Follow-up Items

None.



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS
WATER QUALITY AND WATER SERVICES COMMITTEE**

**MEETING MINUTES
THURSDAY, APRIL 21, 2016**

Present Board Members

Rachna Butani Bhatt, Chair
Chairman Matthew Brown
Kendrick Curry
Howard Gibbs

Present D.C. Water Staff

George Hawkins, General Manager
Charles Kiely, Assistant General Manager
for Customer Care and Operations
Linda Manley, Secretary to the Board

I. Call to Order

Ms. Butani Bhatt called the meeting to order at 11:20 a.m.

II. Water Quality Monitoring

A. Total Coliform Testing (TCR)

Charles Kiely, Assistant General Manager for Customer Care and Operations, reported that there were zero positives in March and so far in April. This is expected when doing the spring cleaning which will conclude in about two and a half weeks.

B. Lead and Copper Rule Monitoring

Mr. Kiely stated that they are 60 percent (60 samples) through the lead and copper testing. He indicated that as he has reported previously, the levels will elevate slightly over the summer time. In the colder months they are expected to go down.

Ms. Butani said that she went to the Ward 2 D.C. Water presentation and was very impressed with the number of people who came from the community and of course D. C. Water's response which is always very impressive. She indicated that she picked up a lead testing kit and is very fascinated to actually walk through the process. Mr. Kiely reported that next month they will be

coming to the Committee about service line identification and they have a couple of programs that are being piloted now. These programs will be presented more formally.

III. Fire Hydrant Upgrade Program

David Wall reported that out of approximately 9,450 public fire hydrants, there were 59 hydrants out of service. Those due to defect are now down to 36, down from 49 last month, and they continue to work on that number. Twenty-three are out of service due to construction.

Mr. Wall stated that as the report shows, they are continuing to target those out of service for longer than 120 days and those numbers are coming down. The map showed that there are no areas of concentration of out of service hydrants. Ms. Butani Bhatt asked about a grouping on the map. Mr. Wall replied that he is aware of some at the site of the tunnel construction. It was stated that the area in question is near the Convention Center. Ms. Butani Bhatt wanted to know if this should be marked due to construction instead of being marked due to defect. Mr. Wall then pulled up the GIS and it showed that in the area in question there are adequate operating hydrants in the middle and two blocks away and that it is at 7th Street and Massachusetts Avenue, N.W.

Mr. Hawkins reported that the Board approved resolution on the screen was about spending no more than \$500,000 a year on doing lead service line replacements essentially on demand. He stated that as noted in the public meetings, if a customer requests to do the private side, D.C. Water will do the public side. In the last year with all of the lead in water media coverage, they have spent more than \$500,000. Therefore, as a technical matter the Board passed resolution has been exceeded for reasons Mr. Hawkins believes everyone supports. Next month they will come back to the Committee with a specific request and how this will be handled. He said he did not want the Board to think they had hit the limit and did not think it was important. They will develop a resolution that will right-side the numbers so that they are back within the numbers, without an increase in funding. Mr. Hawkins stated that it will be a shift in budget priority. No customer request has been denied but put on hold until action is approved by the Board.

IV. Customer Service Satisfaction Survey

Lauren Preston, Manager of Customer Care, introduced to the Committee Dr. Susan Berkowitz, the Principal from Impaq International, the firm hired to do the independent Customer Service Satisfaction Survey. They indicated that the survey was part of the overall 2020 Strategic Plan, Goal 4, to get an assessment of D.C. Water's residential and commercial customers' satisfaction with, attitudes toward, and perceptions of D.C. Water services. It had been planned that the survey would be done every other year but they will look over that as they move to recommendations for improvements. Three groups were focused on—single family residential, multi-family, and non-residential customers. They asked for 400 randomly selected customer surveys and a focus on those who had interaction with D.C. Water. The response was very good. Ms. Butani asked about the number of surveys that were completed and was told that 1,214 customers completed the survey.

Ms. Preston and Ms. Berkowitz stated that overall satisfaction was quite high. Across all groups, 76 percent were very or somewhat satisfied. Among multi-family unit residents,

satisfaction was slightly lower (72 percent), when compared to commercial customers (75 percent) or single family (80 percent) residents. Areas of satisfaction were categorized as water quality (taste, safety, and overall quality of drinking water); billing; satisfaction with service, staff and communication; satisfaction with the value of D.C. Water services; and perception of D.C. Water. Factors driving overall satisfaction were strong for quality of water, service and staff, and billing; moderate for perception of D.C. Water; and weak for value of D.C. Water services. Details on the survey findings and other information can be found on D.C. Water's website with the Committee's April 21 agenda and meeting materials.

Ms. Preston reported that survey recommendations include the following: (1) continue the focus on customer satisfaction and service improvements; (2) based on 30 to 40 percent less than satisfied survey results, areas to focus on are addressing building/installing new connections, permit operations, responsiveness during emergencies, promptness in billing error corrections; (3) consider expanding outreach and/or targeting multi-family residents who are less satisfied and less likely to report timely issue resolution; and (4) consider broadly expanding messaging campaigns since only two thirds of respondents reported D.C. Water publicizes itself adequately. Some of the areas have already been addressed. They are going to look at different outreach opportunities for people who do not get bills from D.C. Water and do not have day-to-day interaction. Ms. Butani Bhatt recommended that D.C. Water take efforts to make its presence more visible and exciting when there are tables at public meetings.

Mr. Curry asked about how the 1,214 respondents are broken out throughout the city, by address, to see if there is any clustering with regard to the samples. Ms. Preston said that they have the information and would provide specific answers. Mr. Curry stated that he wanted to see results on Wards 5, 6, 7, and 8. Mr. Preston stated that they have the breakdown on all wards and will supply the information. Mr. Kiely emphasized that no matter where the customer lives, their response time to emergencies is 45 minutes with each customer. Mr. Hawkins repeated Mr. Kiely's statement that all customers are provided the same services, no matter where they live.

Ms. Butani Bhatt asked to see the results from the last survey so that the results can be compared with the current survey. She also stated that they should be done more frequently. Mr. Curry agreed. Chairman Brown asked about how often other utilities did their surveys. Mr. Kiely said that they were trying to establish D.C. Water's baseline and that they will do them more frequently. Mr. Hawkins stated that they will address the Committee's requests for additional information and present more analysis if warranted. He also is curious about what is common for customer service satisfaction surveys with other infrastructure agencies and what experts recommend. Mr. Hawkins said that they will also analyze and compare the results from 2004 and 2016. He also stated that they will present their plan based on all the information gathered.

Mr. Kiely stated that next month they will come to the Committee on the resolution, status of the new customer system and the upgrade of the AMR Program, and the pilot program with the identification for the lead inventory.

There being no additional comments or concerns, Ms. Butani Bhatt adjourned the meeting.



**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**

Board of Directors

DC Retail Water and Sewer Rates Committee

Tuesday, April 26, 2016

9:30 a.m.

MEETING MINUTES

Committee Members in Attendance

Rachna Butani, Acting Chairperson
Matthew Brown
Howard Gibbs
Obiora “Bo” Menkiti
Ellen Boardman

DC Water Staff

George Hawkins, General Manager
Mark Kim, Chief Financial Officer
Henderson Brown, General Counsel
Gregory Hope, Principal Counsel
Alfonzo Kilgore, Exec. Assist. Secretary to the Board
Brian McDermott, Director Permit Operations
Syed Khalil, Manager Financial Planning
April Bingham, Manager Customer Service
Consultant
Jon Davis, Raftelis Financial Consultant, Inc.

Call to Order

Acting Chairperson Butani called the DC Retail Water and Sewer Rates Committee meeting to order at 9:30 a.m.

System Availability Fee – Public Comments (Attachment A)

Mr. Kim briefed the Committee on the history of the proposed System Availability Fee (SAF). He stated that management first proposed a Development Impact Fee (DIF) at the DC Retail Water and Sewer Rates Committee meeting held on February 24, 2015. Subsequently, DC Water conducted additional analysis in March 2015, which indicated that the fee name, fee business processes, and fee definitions needed additional revisions and therefore, the DIF Notice of Public Rulemaking (NOPR) was not published. On December 18, 2015, the DC Retail Water and Sewer Rates Committee recommended the proposed SAF to the Board, which approved the SAF NOPR in their meeting held on January 7, 2016. The SAF NOPR was published in the DC Register on January 22, 2016. The public comment period ended on February 22, 2016. On February 23, 2016, the DC Retail Water and Sewer Rate Committee met and agreed to extend the SAF public comment period for an additional 15 days through March 11, 2016.

Mr. Kim stated that many utilities across the country and in the DC metropolitan region have implemented a fee assessed to new development (or redevelopment) to recover the investment in available system capacity, which includes:

- Water supply and treatment
- Water storage and distribution
- Wastewater and stormwater conveyance
- Wastewater treatment

He further noted that the proposed SAF is designed to recover the proportionate share of system costs for new developments or redevelopments that require additional system capacity and is based upon meter size and average flow per meter size.

Mr. Gibbs asked for clarity on the meaning of “additional system capacity” and whether the Authority was assuming that additional system capacity would be installed based on the fact that a new meter connection is being requested. Mr. Kim responded that additional system capacity only referred to existing excess capacity that was currently available and that the SAF was not designed to cover the costs of building new capacity. Mr. Gibbs asked if customers would be paying into a system that has already been built. Mr. Kim said, “Yes, exactly.”

Mr. Kim explained the SAF methodology:

1. Calculation of SAF – Net System Assets Value

- The SAF is a one-time fee based upon prior capital investments made by DC Water in certain system assets;
- Only “trunk and treatment” assets were used in calculating the SAF (i.e., water and wastewater treatment plants, water transmission mains, and wastewater interceptors);
- The assets were valued at replacement cost less accumulated depreciation and outstanding debt service principle;
- The net system asset value is calculated at a cost per gallon per day (GPD) based on total system capacity; and
- The capacity for any new account (development or redevelopment) will be based on the meter size and GPD for that meter size.

Chairman Brown inquired as to how the net system asset value was calculated and what portion of Blue Plains cost was factored in the calculation. Mr. Kim stated that there are multiple ways to get at net asset value for DC Water because we have a shared facility both on the drinking water side where we have other wholesale customers who purchase water as well as on the wastewater side where we have our jurisdiction partners that contribute towards the capital assets. Mr. Kim explained that the methodology DC Water used to calculate the total net system asset value was based upon total system assets, less depreciation and unamortized principal, divided by the total system capacity to arrive at the cost per gallon per day (GPD).

Acting Chairperson Butani, asked whether the wholesale wastewater customers are being charged SAF for any new capacity. Mr. Kim responded, “No, the wholesale customer’s share of the O&M and capital costs are being driven by the IMA agreement and that they will have paid their proportionate share of the system cost through their regular IMA bills.”

Acting Chairperson Butani stated that there is public concern over the SAF and asked whether this new fee would put more pressure or burden on small project developers? Mr. Kim explained that the existing built capacity of the system has been paid for and is being paid for only by current and past customers, and that the SAF is designed to recover the proportionate share of costs only for requests for new service or additional capacity that have already been paid for by other customers. He noted that there are two distinct aspects to system capacity: (1) what does it cost to construct the asset? and (2) what does it cost to maintain the asset? The SAF addresses the first aspect, namely the cost to construct the asset, whereas the recently adopted Water System Replacement Fee (WSRF) addresses the second aspect of maintaining the asset once it is constructed. Accordingly, the SAF for customers who request additional capacity is not disproportionately burdening small developers, large developers or any other customer

class. DC Water is not asking for developers to pay for the asset value of the entire system, which is in excess of \$5 billion. Instead, this SAF is projected to raise approximately \$7.7 million of revenue, which is a proportionate share of the incremental or marginal usage of excess system capacity that other customers have already paid for through their water and sewer rates.

Mr. Menkiti inquired if the SAF will help create new customers who will continue to pay into the system. Mr. Kim responded, "Yes." Mr. Menkiti also asked if the SAF was analogous to an initiation fee to join the system, and whether DC Water has enough capital to pay for future increases in system capacity. Mr. Kim responded that the analogy was appropriate and that the SAF fee, together with the WSRF, will help to mitigate future water and sewer rate increases which will be necessary to fund the cost for building future expansions of system capacity.

2. SAF Based Upon Meter Size

- The SAF fee schedule is scaled based on meter size and average water use for customers of the same meter size within the DC Water system;
- Scaling for the SAF is consistent with methodology used for the recently adopted WSRF;
- The SAF methodology is consistent with industry standards published by American Water Works Association (AWWA) and Water Environment Federation (WEF); and
- Other utilities, such as WSSC, have adopted a SAF based upon the number of fixtures.

3. Meter Size Versus Fixture Count

- Water meter size is a function of fixture count as well as mechanical demands and system requirements;
- Fixtures count alone may not capture all of the water demand; however, the meter size computations do so more precisely; and
- In addition, the SAF is only based upon peak demand flow and excludes fire service demand.

Mr. Menkiti asked how the demand for fire suppression would be determined and how it would be separated in the SAF computation. Mr. McDermott responded that applicants provide the fire demand in their permit along with the domestic demand. He also noted that for large projects the fire service line and the domestic service line are almost always separated and that the SAF will only be assessed to the domestic service line meter size. Mr. McDermott also noted that for smaller projects (meter sizes of 2" or less), which may only have a single line providing both domestic and fire demand flow, the SAF will also be based only on the domestic demand. Ms. Boardman followed up with an additional question to confirm that the SAF will only be charged for domestic demand and not fire suppression, which Mr. McDermott confirmed.

4. Ability To Right-Size Water Meters

- DC Water will allow property owners to "neck-down" water lateral lines to smaller water meter sizes;
- The service pipe should be sized for velocity and head loss and the meter sized to match the peak demand flow; and
- Reductions by one standard pipe size will be approved, reductions greater than one pipe diameter would be by exception.

5. SAF Credits For Existing Connections

- A SAF credit will be given if development/redevelopment projects are removing existing connections for the water and sewer system;
- The net SAF due will be equal to the difference between the property's new SAF and the SAF determined by the old meters being removed; and
- Accordingly, projects that do not require a marginal increase in system capacity will not be assessed a SAF.

6. Sample Redevelopment Scenario With SAF Credit

- A non-residential redevelopment project will demolish 20 residential properties with 1” meters and require a new single 4” meter
- New 4” SAF = \$289,782
- Less SAF credit = \$78,880 (20x \$3,944)
- Net SAF due = \$210,902

Mr. Menkiti requested clarification on accounts that have been inactive during the prior 12 months and Chairman Brown asked how the period was determined. Mr. Kim stated that management is recommending a “grace period” to permit a SAF credit to be granted for properties that have been recently inactivated in the 12 month period prior to the application being approved. Mr. Kim further stated that staff considered the alternatives of recommending no grace period as well as longer periods than 12 months, and concluded that a 12 month period was reasonable given limitations in system data and administrative burden. Acting Chairperson Butani expressed her concern about the sufficiency of the 12 month period considering the time it typically takes from buying and closing a property until getting a permit for its re-development.

Several committee members asked questions regarding inactive account status, and Ms. Bingham explained the process that Customer Services follows to classify an account as inactive. She also noted that even if an account is “inactive” and the meter is removed from the property, the Authority continues to bill any applicable fixed fees such as the CRIAC.

Mr. Kim exhibited the slide showing the proposed SAF schedule and noted that there is a significant difference between the average consumption (GPD) of a 1” Residential customer versus a 1” Non-Residential customer which is reflected in the fee schedule. Mr. Kim also noted that since there are only a small number of meters greater than 6” and that the average usage of this group was inconsistent, a SAF was established for all meters greater than 6” and based upon the average usage (GPD) of this entire group.

Mr. Kim provided the details of projected SAF revenue by meter size, which total approximately \$7.7 million. All SAF revenue would be allocated for Pay-Go capital contributions towards the system’s “trunk and treatment” assets. Accordingly, this revenue would help to mitigate future required water and sewer rate increases since any SAF revenue would be used to lower future debt service costs.

Mr. Kim turned to an overview of the public comment period and explained that DC Water received 26 public comments on the SAF, with the majority coming from real estate development firms. The comments were summarized by staff into several categories: General; Methodology; Rulemaking Process; Exemptions; Fee Schedule; and Timing/Effective Date. He presented a brief summary of the comments, including excerpts from various comments in each of the categories.

Mr. Kim then presented a slide comparing the proposed SAF with the SAF of other regional utilities and concluded that the Authority’s proposed SAF was lower, and in most instances significantly lower, than the current fees assessed by nearly every other regional utility. He noted that the fee comparisons were based on meter size and that some utilities do not publish their fees for larger accounts or scale their fee differently. In addition, Mr. Kim noted that WSSC was not included in the chart because its fee was based upon the number of fixtures and not meter size.

Mr. Kim returned to an overview of the public comment period and noted that there appeared to be a common misunderstanding that DC Water was increasing its Plan Review Fees from \$2,500 to \$38,000 (SAF) for a 2” meter. Mr. Kim stated that the Plan Review Fee is not increasing and that it is a separate administrative charge to review a permit application and completely different from the SAF. Mr. Kim also clarified that the SAF is not a tax or a penalty, and that DC Water is not trying to shift the burden from

one customer class to another but is seeking to have each customer class to bear its proportionate share of building the system's existing capacity.

Mr. Menkiti stated that one of the questions he heard was on the binary nature of the fee and that there is a question about the proportionality of the fee for a smaller project versus the size of the project and that this issue does not seem to be fully addressed by using meter size.

Mr. Kim responded that while there is no perfect measure of proportionality, the Authority did take into account the issue of proportionality and did consider the potential impacts on small developers though the introduction of SAF credits, 12-month grace period for inactive account, SAF installment plan, and the ability to right size meters by permitting "necking down" the laterals.

In conclusion, and in light of the public comments received, Mr. Kim presented to the committee the following SAF recommendations:

- **Delay SAF effective date:**
 - 6/01/2016 (FY 2016) – current proposal
 - 1/01/2018 (FY 2018) – 1.5 year extension
- **Extend SAF installment plan period:**
 - 12/31/2019 (FY 2020) – current proposal
 - 12/31/2020 (FY 2021) – 1 year extension

Mr. Gibbs asked for clarity on the recommendation to extend SAF installment plan period. Mr. Kim replied that prior to 12/31/2020, any customer required to pay the SAF is able to request the SAF installment plan (4 equal payments over a 12-month period). Mr. Gibbs inquired about the rationale for discontinuing the installment plan after 12/31/2020 and Mr. Kim explained that the intent was to make an accommodation to lessen the upfront impact of the SAF, particularly for existing projects in the pipeline coming online just before the effective date that did not have prior notice of the SAF. In future projects, the SAF will be incorporated into the project's financing.

Ms. Boardman returned to the issue of establishing a grace period for inactive accounts and asked for Mr. Kim's assessment of a proposal to extend the period from 12 months to 24 months to alleviate the concerns raised during the committee meeting. Mr. Kim stated that the underlying premise of the SAF is that if you are a current "active" customer, then you are already paying your proportionate share of building the system's capacity and should receive credit for any capacity that you are returning to the system for use by others. Mr. Kim continued that as soon as you become inactive, by definition you stop contributing and should be subject to the SAF for any new request for additional system capacity in the future. Notwithstanding and in consideration of the concerns raised by the committee members, Mr. Kim stated that a 24 month inactive account grace period was a reasonable accommodation and that it would not impose an undue administrative burden or be impacted by system limitations. Mr. Menkiti stated that 24 months seems reasonable for those meters that have been intentionally disconnected by the developer; however, 24 months does not seem reasonable for those meters being disconnected by DC Water. After some discussion, Acting Chairperson Butani proposed to extend the inactive account period from 12 to 24 months to allow for a longer period of development time. The consensus of the committee was to extend the inactive account period to 24 months.

Action Item (Attachment B)

Approval of New System Availability Fee Effective January 1, 2018.

Accordingly, Mr. Kim recommended approval of the SAF subject to: (1) delay the SAF effective date to 01/01/2018; (2) extend the SAF installment plan period to 12/31/2020; and (3) establish the inactive account period for determining SAF credits to 24 months.

The Committee approved the action item.

In conclusion, Chairman Brown stated that DC Water has undertaken enormous changes to its rate structure over the past year to better align its revenues with its cost structure, to promote affordable and fair rates for its customers, and to establish new fees such as the WSRF and today's SAF to fund the construction and maintenance of the system's critical infrastructure assets. Chairman Brown complimented Mr. Kim and his team on the excellent work that has been done and urged DC Water to include the projected SAF revenue into the forthcoming FY 2018 budget proposal. Mr. Kim thanked Chairman Brown and the entire team, and stated that projected SAF revenues would be included in the FY 2018 budget proposal and the Authority's 10-year Financial Plan.

Water System Replacement Fee - 1.5" Meter Update (Attachment C)

As a follow up briefing from the previous committee meeting, Mr. McDermott provided an overview of the remaining analysis performed of 1.5" residential meters to determine fire flow demand.

- To date staff has reviewed 1,634 of the 1.5" residential customers meters accounts
 - 487 were confirmed to be Combined water services (30% of all accounts)
 - Out of the 1,634 addresses investigated Permit Operations Department found scanned plans for approximately 451 addresses of which 385 (85%) were combined
 - ECIS data notes that confirmed about 102 more as combined
- Permit Operations Department about 100% of the addresses and found that 30% of those were confirmed as combined domestic and fire suppression services

Mr. McDermott concluded that:

- Of the 451 plans sets we found 85% were combined fire and domestic
- If we could have found plans for the other addresses it seems likely that most 1.5" services would also be combined
- Therefore, it was appropriate for the board to administratively reduce WSRF for 1.5" residential services in the same manner that the reduction was made for the 2" residential services

Acting Chairperson Butani thanked Mr. McDermott and concluded that the results confirm that it was right decision for those customers.

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

Mr. Kim stated that staff is on track with the work plan and that there is no committee meeting next month due to the public hearing scheduled for May 11. The next rates committee meeting is scheduled for June 28, 2016.

Other Business

No other business

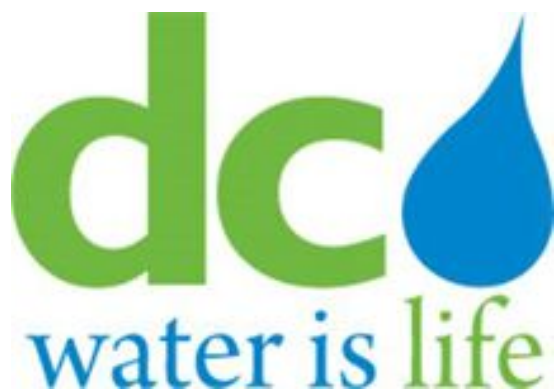
Executive Session

No executive session

Agenda for June 28, 2016 Committee Meeting (Attachment E)

Adjournment

The meeting was adjourned at 11:20 a.m.



**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**

Board of Directors

Audit Committee

Thursday, April 28, 2016

9:30 a.m.

Meeting Minutes

COMMITTEE MEMBERS PRESENT

Nicholas Majett, Chairman
Matthew Brown, Board Chairman
Elisabeth Feldt, Committee Member
Bonnie Kirkland, Committee Member
Sarah Motsch, Committee Member
Ellen Boardman, Committee Member

DC WATER STAFF PRESENT

Biju George, Chief Operational Officer
Meena Gowda, Principal Counsel
C. Mustafa Dozier, Chief of Staff
Linda Manley, Secretary to the Board

INTERNAL AUDIT STAFF PRESENT

Dan Whelan, RSM US LLP
Jill Reyes, RSM US LLP
Kelly Johnson, RSM US LLP
Victor Carraway, RSM US LLP
Charles Barley, Jr., RSM US LLP

Call to Order (Item 1)

Mr. Nicholas Majett called the Audit Committee meeting to order at 9:30 a.m.

Internal Audit Update (Item 2)

Mr. Whelan disclosed that RSM will have five audits completed for review by the committee meeting in July. He noted that as the audits reports are completed, they will be forwarded to the committee prior to the meeting date, so as to provide ample time for review. Additionally, Mr. Whelan suggested that the meeting in July begin early so that the committee can get through all reports in the time allotted.

Ms. Jill Reyes presented an Internal Audit plan status update. She informed the committee that there are several audits in-process, including Contract Monitoring and Compliance Part II, ROCIP, Engineering Contract Management, Annual Budgeting and Planning, and Training, Licensing and Certification. Today, RSM will issue the Contract Monitoring & Compliance Part I audit report.

Ms. Reyes presented a summary of the prior year and current year audit findings. She informed the committee that since the last meeting in February, 16 items have been closed, four are pending testing, six are action deferred, and 11 remain open. Ms. Reyes reminded the committee that in October 2014 when RSM took over the internal audit function, there were 82 open audit findings of which 80 percent are now closed, 17 are in-progress and four have been action deferred. Additionally, of the nine remaining follow-up items from FY 2015 issued by RSM, five have been closed, three remain open, and one is action deferred.

Of the FY 2015 follow up open items, one is rated high risk, one moderate risk, and one low risk. Risk ratings are based on impact to the business and likelihood of occurrence. Internal Audit is working with management to update risks rating definitions.

Ms. Johnson then presented RSM's Contract Monitoring and Compliance Part I Audit. RSM obtained a listing of all contracts and judgmentally selected four high-dollar contracts from various departments to audit. The Allied Barton Security Services contract was examined for Part I of this audit. Internal Audit reviewed the contracts terms, tested for compliance, and evaluated how DC Water is monitoring the contractor.

Ms. Johnson reported that Allied Barton Security Services has an eight year relationship with DC Water through two contracts. The award date of the second contract was December 18, 2012. Currently, she said that this contract makes up 82 percent of DC Water Department of Security's FY 2016 operating expenditures budget.

During the review, four observations were identified, with one high, one moderate, and two low risk. The one high risk observation revealed that there has been a lack of completion and documentation of DC Water-specific required training for Allied Barton Special Police Officers (SPOs) since November 2014. This was due to the lack of man power at Allied Barton after the subcontractor was pulled out of the contract due to underperformance. Less SPOs were available to cover shifts and conduct training at this time. Steve Caldwell, Director of Security, elaborated on the role of the subcontractor and reported that Allied Barton is in the process of hiring a new subcontractor. Ms. Boardman asked if the subcontractor was identified at the time of award and if Allied Barton was giving points during the evaluation process. Ms. Boardman as inquired if the new subcontractor would be a minority business. Management and the Internal Audit team reported that they would investigate and report back to the Audit Committee.

Mr. Caldwell also added that all officers carry firearms and have satisfied the District of Columbia (DC) regulatory laws that require each officer to complete 40 hours of training. DC Water requires additional training in Allied Barton's contract, and this audit's finding is related to DC Water's specific training and not DC's regulations. Mr. Caldwell added

that this observation is currently being corrected, and all officers will have completed their training within 60 to 90 days.

Ms. Johnson reported that the moderate observation identified regarded frequency and monitoring of performance reviews. The contract states that Allied Barton is required to perform at least two performance reviews of their personnel annually. However, the contractor is only performing reviews once annually. Mr. Biju George added that contracts that relate to goods and services are reviewed by a compliance officer.

Mr. George introduced the Assistant General Manager for Support Services, Ms. Rosalind Inge. She elaborated that the Contracting Officer Technical Representative (COTR) monitors to ensure contractors are doing the work they agreed to do in accordance with the contract. Ms. Inge said that the COTR performs the day-to-day review of all contracts and Procurement ensures that contractors comply with the general terms of the contracts. Mr. Caldwell is the COR (Contracting Officer Representative) for the Allied Barton contract. Ms. Boardman asked if there are penalties for non-compliance with contract requirements. Additionally, Mr. Majett inquired if the Compliance Officer was aware of these audit findings. Management and the Internal Audit team reported that they would investigate and report back to the Audit Committee

Ms. Johnson reported that the first low risk observation Internal Audit identified is that Standard Operating Procedures (SOPs) are not being reviewed and updated annually. There have been some changes made, but those changes have been communicated through email and have not been included into the existing SOPs documents.

Ms. Johnson stated that the second low risk observation of the audit addressed contractor deliverables. Per the contract, Allied Barton is required to provide biweekly turnover reports. DC Water is obtaining turnover information through different means, but the contractor is not complying with the terms in the contract which require biweekly reporting.

Ms. Johnson also reported that Internal Audit made two process improvement recommendations to management. One recommendation was to reduce the required turnover rate per the contract, as Allied Barton has been consistently managing significantly lower turnover rates than the contract details. The second process improvement opportunity is to work with Allied Barton on record retention. When an employee is terminated, Allied Barton no longer retains their training records.

Ms. Johnson reported an update on the Hotline. Since the last Audit Committee meeting, 14 calls have been received, of which four were fraud claims and 10 other. 12 of the cases have been closed and 10 remain open.

Mr. Whelan informed the committee that this has been the most active quarter for Hotline calls to date. He said it could be attributed to the increased visibility and advertisement of the Hotline.

Executive Session (Item 3)

There was a motion to move into Executive Session by Ms. Elizabeth Feldt to discuss legal, confidential, and privileged matters pursuant to Section 2-575(b)(8) of the D.C. Official Code. The motion was seconded by Ms. Sarah Motsch and motion carried. Mr. Majett asked the Board Secretary, Ms. Linda Manley, to take the roll call. She cleared the room of non-Executive members and all public individuals. The Audit Committee went into Executive Section at approximately 10:12am.

Adjournment (Item 4)

The Board moved back into public session. The Audit Committee meeting adjourned at 11:07 a.m.

Follow-up Items

The Audit Committee requested that Management and Internal Audit investigate and report back on the following items:

1. Was the subcontractor was identified at the time of award and was Allied Barton was giving points during the evaluation process because of the subcontractor.
2. Will Allied Barton's new subcontractor be a minority business?
3. Are there penalties for non-compliance with contract requirements?
4. Was Compliance Officer was aware of these audit findings?



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Interpretation of Charts A

Color Key

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

Message from the CEO/GM

Greetings to the Board during Town Hall season!

Town Halls.

As I write this report I am preparing for the Ward 7 Town Hall this evening. This is the 7th of the 8 Town Halls we host during the month of April – and our final Town Hall will be in Ward 8 tomorrow evening. We started this practice 7 years ago when I started as General Manager at DC Water both to present an overview of our work to the public, outline our proposed budget, and perhaps most importantly, present our rate proposal for the upcoming year. All these pieces fit together – because in my view our ratepayers deserve to know what we are doing with their ratepayer funds, deserve to know exactly what our proposal is for the year(s) ahead, and also deserve to discuss any issues they have with their bills or service directly with our personnel. As anyone who has attended our Town Halls knows, we bring a full complement of staff from every major office at DC Water – so that people can interact directly in person. As we have seen in recent years, we are seeing greater attendance at these forums, and quite a few new faces in the crowd. I must admit that I find the process draining, because customers are frequently frustrated with us for one reason for another – and it is important that I stay as calm as possible in face of criticism and conflict.

Yet this is also very important – particularly when we are seeking additional revenue. As I have described before, this year we are seeking a 2 year rate approval – at the lowest rate increases that we have proposed during my tenure: 3-5% rate increases for 2017 and 2018, in comparison to 7.5% rate increases projected just 2 years ago; with an “all in” rate increase of 5.1% in 2017 and 6.2% for 2018 (including increases in the impervious area charge.) I am grateful for Board members who have attended these Town Halls over the years – leading up to the final Rate Hearing before the DC Water and Sewer Retail Rates Committee on May 11.

Lead in Water.

The challenge posed by lead-in-water continues to be highlighted due to the crisis that has unfolded in Flint, Michigan, and parallel challenges that exist in communities around the country where there are lead service lines connecting the water main to any home or other facility. I, along with other members of our team, have been interviewed dozens of times and appeared on panels for a wide range of audiences – including upcoming briefings on Capitol Hill. While the Aqueduct has a very successful program to reduce corrosion by adding orthophosphate (the step that was missed in Flint), there are still sources of lead in the service lines and premise plumbing in homes and potentially other buildings – including schools. We are working hard on several initiatives that focus on the service lines, the first of which is to create a searchable public database that will allow any person to determine what our records show about the status of the public and private side service line to any dwelling in the District. In parallel, we are assessing our options on what we can do to enhance the elimination of lead service lines – when our experience in the past is that many homeowners will not, or are not able, to fund the replacement of the private side service line. I understand that Council Member Cheh is working on legislation that would provide financial support for low income DC residents to work in concert with DC Water to replace both the public and private side lead lines. We will continue to update the DC Water Quality and Water Services Committee about our efforts and options with respect to lead-in-water.

Message from the CEO/GM

System Availability Fee.

The DC members of the Board will consider the creation of a new one-time fee on development called the System Availability Fee (SAF). First, separately from the fee itself, I want to commend the Retail Rates Committee – chaired by Rachna Butani – for the thoughtful, detailed and intensive work on this fee. We have been working on this fee for over a year, and the Committee has reviewed detailed presentations on its development, methodology, structure, timing and more over many months of deliberations. The Committee agreed to extend the public comment period and has reviewed copies of all the comments that were submitted, along with our summary and responses. The Committee engaged in careful and thoughtful discussion with detailed questions and answers being provided by staff and associated experts. As a result, we have modified the proposed fee in significant ways – including delaying its effective date, extending an installment plan option, and expanding the nature of a “look back” with respect to abandoned or inactive properties. I believe this is the Board and staff interacting in the highest order – the staff presenting its work professionally and with our recommendations, and the Committee then conducting thorough oversight and ultimately modifying the proposed recommendations in concert with the discussion that ensued.

Second, I want to thank the members of the staff who worked hard on this proposal. In the lead was CFO Mark Kim of course, directing and overseeing the work of experts across many departments. In critical roles on the project team were Brian McDermott, Gregory Hope and Syed Khalil, who invested nearly countless hours assessing the methodology, the data and the resulting proposal. For me, I believe the fee has been appropriately developed, is in concert with almost every surrounding jurisdiction, and has been modified in response to the concerns raised in the public comments. Moreover, it is hard not to feel the need to identify thoughtful and fair revenue sources when confronted with the challenge our monthly retail rates are to our customer base – particularly fixed income seniors. I strongly encourage the DC members of the Board to approve this action at the Board meeting on May 5.

External Affairs

Website: Session totals for the period of March 16 through April 15, 2015
 Total Sessions: 82,718
 New Sessions: 45,802

Government Relations

On March 24, 2016 DC Mayor Muriel Bowser unveiled her Fiscal Year 2017 budget proposal and it is now under consideration by the DC Council. External Affairs will monitor the budget process as it moves toward passage in the coming weeks. There are currently no provisions of concern to DC Water in the FY 2017 budget.

On April 5, 2016 CEO and General Manager Hawkins met with Congresswoman Eleanor Holmes Norton at her office to discuss drinking water issues in the District of Columbia. The meeting served as a follow-up to correspondence from the Congresswoman related to DC Water’s current lead testing protocols and outreach efforts related to removing sources of lead on public and private property. The meeting was positive and the Congresswoman expressed an interest in working with DC Water on potential legislation related to eliminating sources of lead in drinking water.

Message from the CEO/GM

Media Relations

OEA continued to field inquiries about lead service lines and DC Water's lead program in light of the water crisis in Flint, MI. OEA organized numerous media interviews with General Manager Hawkins and local and national media. OEA also fielded inquiries about water main breaks, the digester, our social media presence and micro-TBM Abigail's challenges — she had to keep running for 24-hour days temporarily to prevent getting stuck in frozen ground.

Press releases issued:

4/7: DC Water wins U.S. Water Prize, honored for innovative resource recovery facilities that turn wastewater into electricity

4/7: DC Water Restricts Official Travel to North Carolina

4/5: DC Water Earns Second Credit Rating Upgrade from Moody's Investors Service

4/1: DC Water announces 2016 town hall meetings with CEO and General Manager George S. Hawkins

Media Coverage:

- Veolia Partnership Puts \$8M-\$12M Savings on Tap for Water Utility
<http://www.environmentalleader.com/2016/03/16/veolia-partnership-puts-8m-12m-savings-on-tap-for-water-utility/>
- Norton Releases Letter Showing No Lead in D.C.'s Water After Hearing on Flint Water Crisis
<http://www.realestaterama.com/2016/03/16/norton-releases-letter-showing-no-lead-in-d-c-s-water-after-hearing-on-flint-water-crisis-ID031681.html>
- D.C.'s decade-old problem of lead in water gets new attention during Flint crisis
https://www.washingtonpost.com/local/dcs-decade-old-problem-of-lead-in-water-gets-new-attention-during-flint-crisis/2016/03/17/79f8d476-ec64-11e5-b0fd-073d5930a7b7_story.html
- Publisher's 'Do Not Drink Tap Water' Tweet 'Highly Irresponsible,' Says D.C. Water
<http://www.washingtoncitypaper.com/blogs/citydesk/2016/03/17/publishers-do-not-drink-tap-water-tweet-highly-irresponsible-says-d-c-water/>
- D.C. Water Says Publisher's Alarming Tap Water Tweet Was 'Very Irresponsible'
http://dcist.com/2016/03/drink_on_the_waters_fine.php
- DC Water: 20,082 Lead Water Pipes Still in Public and Private Use
<http://www.insidesources.com/20082-lead-pipes-in-dc/>
- Flint Crisis Dredges Up DC's Own Era of Unsafe Water
<http://www.nbcwashington.com/news/local/Lead-in-DC-Water-Current-Levels-Are-Low-Officials-Say-372600931.html>
- D.C. water permit supervisor pleads guilty to steering fees to own company
https://www.washingtonpost.com/local/public-safety/dc-water-permit-supervisor-pleads-guilty-to-steering-fees-to-own-company/2016/03/30/91238850-f6bc-11e5-8b23-538270a1ca31_story.html

Message from the CEO/GM

- Before Flint: D.C.'s drinking water crisis was even worse
<http://wtop.com/dc/2016/04/flint-d-c-s-drinking-water-crisis-even-worse/>
- How D.C. keeps its water safe from lead- click link for slide show
<http://wtop.com/dc/2016/04/photos-d-c-keeps-water-safe-lead/slide/1/>
- After D.C.'s crisis: How to make sure your drinking water is safe
<http://wtop.com/dc/2016/04/d-c-s-crisis-make-sure-drinking-water-safe/>
- Moody's upgrades DC Water's sr. lien bonds to Aa1 and sub. lien bonds to Aa2; outlook stable
https://www.moodys.com/research/Moodys-upgrades-DC-Waters-sr-lien-bonds-to-Aa1-and--PR_903213714
- NACWA Experiences Top-Notch Utility Service First-Hand
http://www.nacwa.org/index.php?Itemid=158&id=2364&option=com_content&utm_campaign=93672220&utm_medium=Email&utm_source=Real+Magnet&view=article
- US Water Alliance Announces 2016 US Water Prize Winners: DC Water, Dow, and Emory University
<http://www.prnewswire.com/news-releases/us-water-alliance-announces-2016-us-water-prize-winners-dc-water-dow-and-emory-university-300247040.html>
- Experts Question Lead-Contamination Data
<http://www.courthousenews.com/2016/04/06/experts-question-lead-contamination-data.htm>
- 5 OF THE BEST-DESIGNED PROJECTS IN THE DC PIPELINE
<https://www.bisnow.com/washington-dc/news/commercial-real-estate/5-dc-projects-that-make-architecture-fans-cheer-58341>
- Water for Congress: Why it matters that D.C.'s Washington Aqueduct increased staff productivity by 43%
<http://planet.veolianorthamerica.com/water/water-for-congress-why-it-matters-that-d-c-s-washington-aqueduct-increased-staff-productivity-43/>

Meetings/Presentations/Events

- DC Water attended the monthly meeting of ANC 5C to provide an update on its Northeast Boundary Tunnel Project.
- As part of its Environmental Education program, DC Water provided an environmental lesson to students at DC Bilingual Public Charter School in celebration of Fix-A-Leak Week.
- DC Water provided a sewer science lesson to students at Wilson High School.
- Week four of the “Water Education Series with DCPL”, covered “Drink Tap Water: It’s Cool!” During this lesson, students explored the cost of tap water and bottled water, benefits of drinking tap water, misconceptions about tap and bottled water, and ways to improve water quality at home.

Message from the CEO/GM

- DC Water representatives served as Special Award Judges during Dunbar High School's DC S.T.E.M. Fair.
- DC Water attended the monthly meeting of ANC 5A to provide an update on its Green Infrastructure project.
- Fifth and final week of the "Water Education Series with DCPL".
- DC Water attended the monthly meeting of ANC 4B to provide an update on its Green Infrastructure project and also a presentation on its upcoming Small Diameter Water Main Replacement Project.
- DC Water attended the monthly meeting of ANC 3G to provide a presentation on its Pinehurst and Sherrill-Fenwick Sewer Rehabilitation Projects.
- DC Water co-hosted with Councilmember Nadeau the 7th Annual Ward 1 Town Hall, the primary purpose for which was to educate residents on the upcoming water/sewer rate increases for FY 2017 and 2018.
- DC Water co-hosted with Councilmember Todd the 7th Annual Ward 4 Town Hall.
- DC Water co-hosted with Councilmember Evans the 7th Annual Ward 2 Town Hall.
- As part of its Environmental Education program, DC Water conducted a water conservation workshop with seniors at Congress Heights Wellness Center.
- DC Water co-hosted with Councilmember McDuffie the 7th Annual Ward 5 Town Hall.

Customer Newsletter

The April bill insert was the semi-annual Clean Rivers Project News, featuring stories on the consent decree modifications and on DC Water's preparations for the longest tunnel segment yet—the Northeast Boundary Tunnel. It also included the mandated CSO FAQs.

Tours

- 25 students from Catholic University
- 25 guests in a mixed group- students, residents, tourists, etc.
- EPA Deputy Administrator and 3 guests
- 25 conference attendees from EPA's Global Methane Initiative
- 21 students from Gonzaga College High School
- 15 guests from Upper Occoquan Water Authority
- 35 guests EPA Office of Wastewater Management
- 25 students from Kingsman Academy High School
- 25 Fellows from Department of Energy
- 2 guests from New Zealand for a Biosolids Tour
- 25 conference attendees from Cap to Cap Tour
- 25 students from Gallaudet University

Message from the CEO/GM

Social Media







Twitter	3/16 - 4/16	Fiscal Year to date total 10/15 – 3/16
New Followers	219	1,671
Total Followers	12,718	
Mentions	541	4,074
Retweets	362	2,105
Favorites	763	3,843
Facebook		
New Fans	52	321
Total Fans	2,194	
Impressions	40,170	407,107
Users	18,408	188,175
Interactions	402	4,912
Instagram		
New Followers	35	180
Followers	607	
Likes	112	1,810
Comments	4	89

ORGANIZATIONAL PERFORMANCE DASHBOARD (MARCH, 2016)

Financial Highlights

Net Operating Cash Actual 51415 Target 37476 (\$ tho)	Operating Revenues Actual 290 Target 290 (\$ mil)	Operating Expenses Actual 229 Target 271 (\$ mil)	Capital Disbursements Actual 285 Target 294 (\$ mil)
Operating Cash Balance Actual 132 Target 126 (\$ mil)	Delinquent Account Receivables Actual 2 Target 3 (%)	Core Investments Yield Actual 1.14 Target 0.74 (%)	Short Term Investment Yield Actual 0.57 Target 0.14 (%)

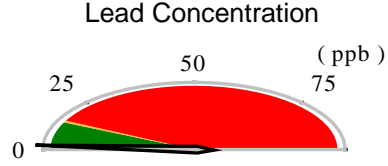
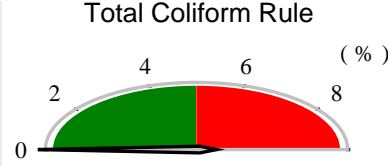
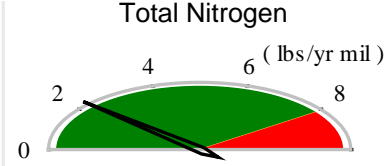
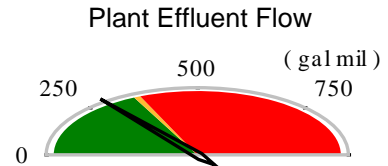
Customer Care and Operations Highlights

Call Center Performance  Mar 86 85 (% of calls rec)	Command Center Performance  Mar 92 85 (% of calls rec)	First Call Resolution  Mar 83 75 (% of calls rec)	Emergency Response Time  Mar 91 90 (% of calls rec)
Fire Hydrants out of Service  Mar 36 96 (count)	Fire Hydrant Insp. and Maint. 269 (count)	Fire Hydrants Replaced  Mar 31 250 (YTD count)	Permit Processing within SLA 94 (%)

Low Income Assistance Program

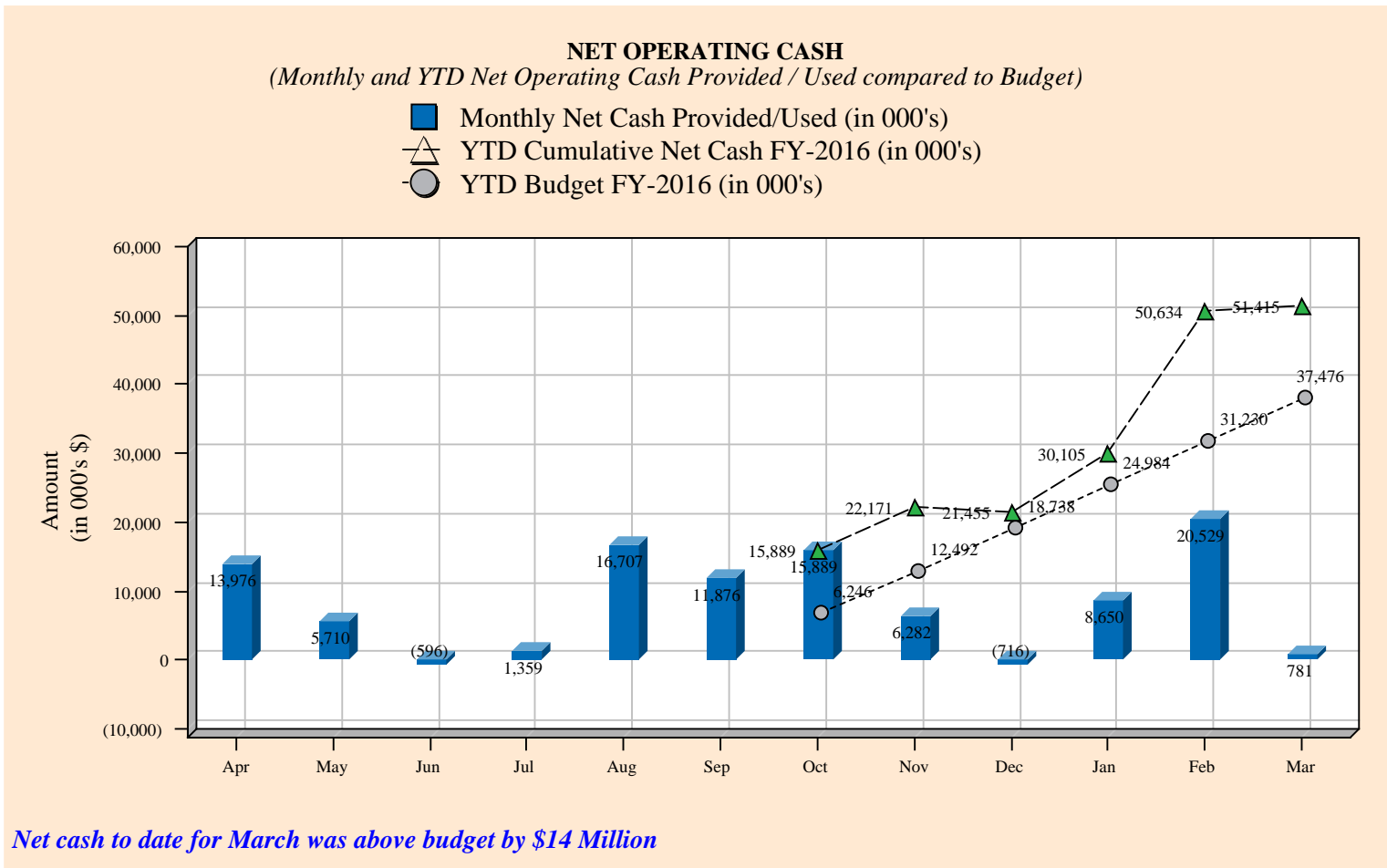
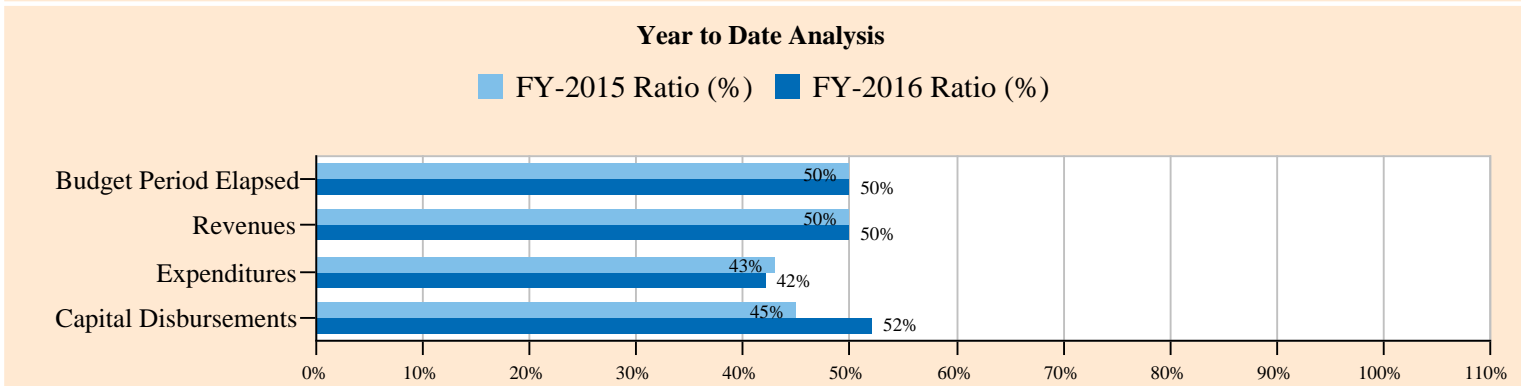
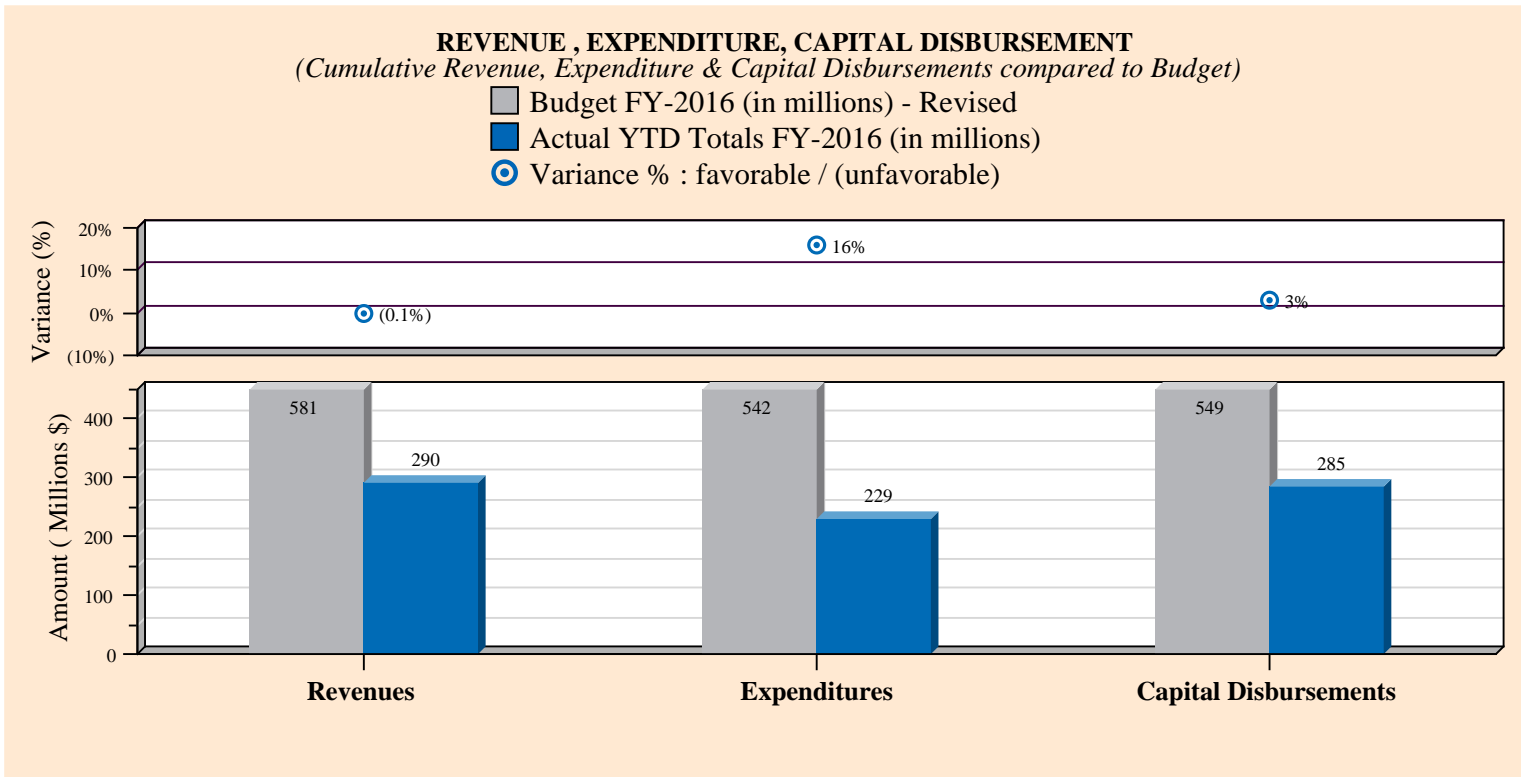
Splash Contributions Actual 52 Target 40 (\$ tho)	Customer Assistance Program Previous 138 Current 72 (\$ tho)
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Operational Highlights

Lead Concentration 	Total Coliform Rule 	Biosolids Production 416 (wet tons)	Total Nitrogen 
Plant Effluent Flow 	Excess Flow 0 (gal mil)	Water Main Leaks 23 (count)	Water Valve Leaks 3 (count)
Non-Revenue Water Sold 9 Purchased 11 (CCF mil)	Sewer Main Backups 11 (count)	Sewer Lateral Backups 185 (count)	Dry Weather CSO 0 (events)
Recruitment Activity Filled 20 Open 67 (count)	Electricity Usage 19456 (MWh)	Employee Lost Time Accidents 13 (count)	Vendor Payments Actual 98 Target 97 (%)

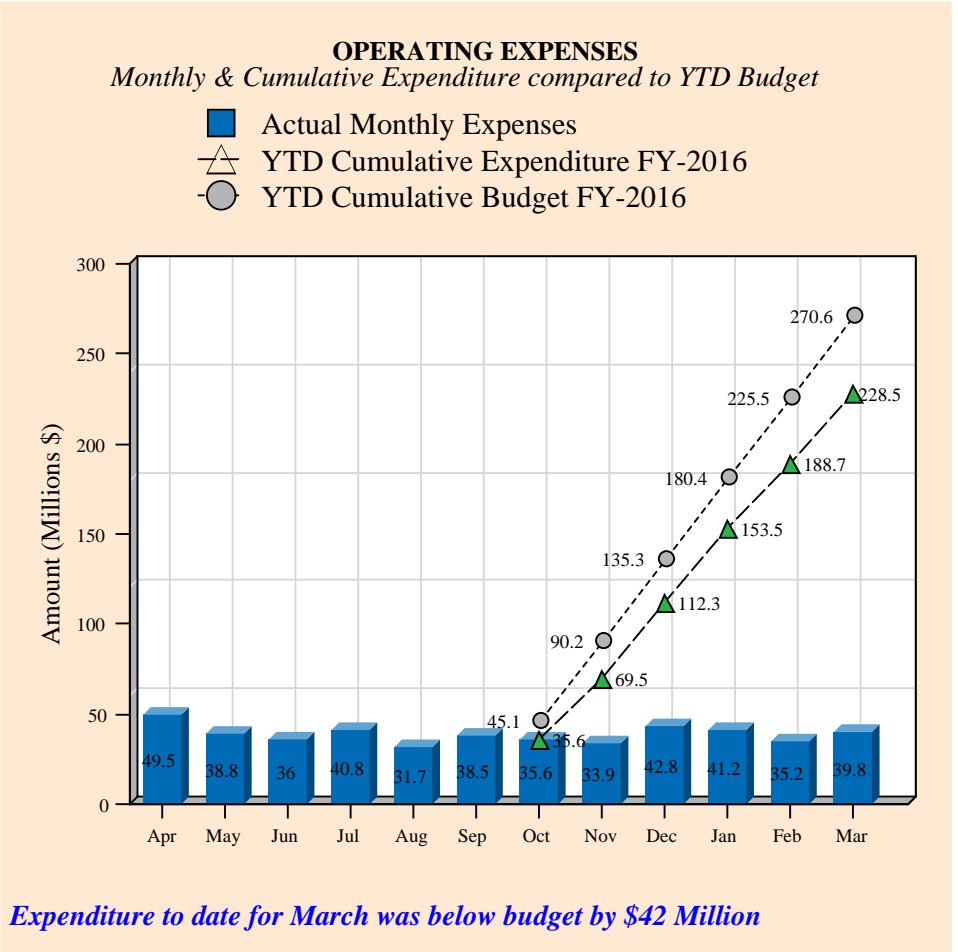
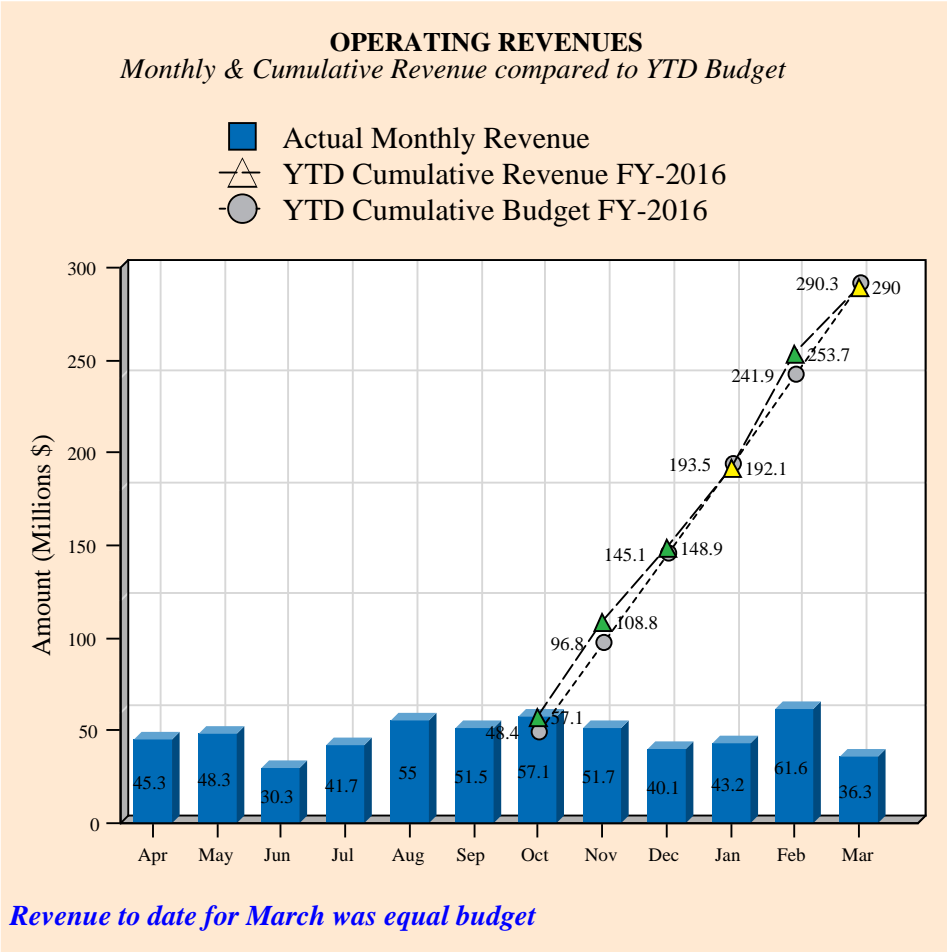
FINANCIAL HIGHLIGHTS

FINANCIAL PERFORMANCE SUMMARY

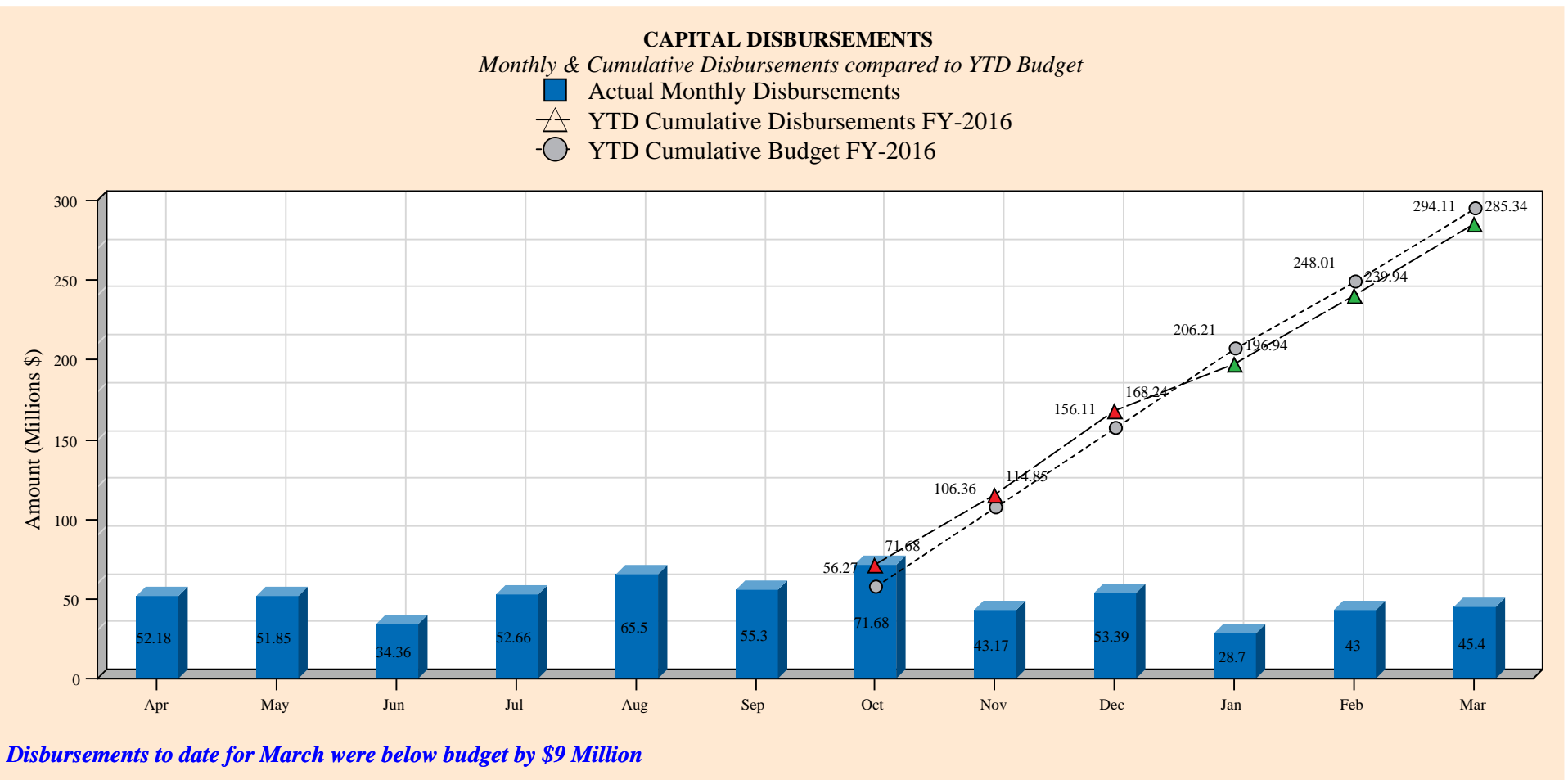


FINANCIAL HIGHLIGHTS

REVENUES AND OPERATING EXPENSES

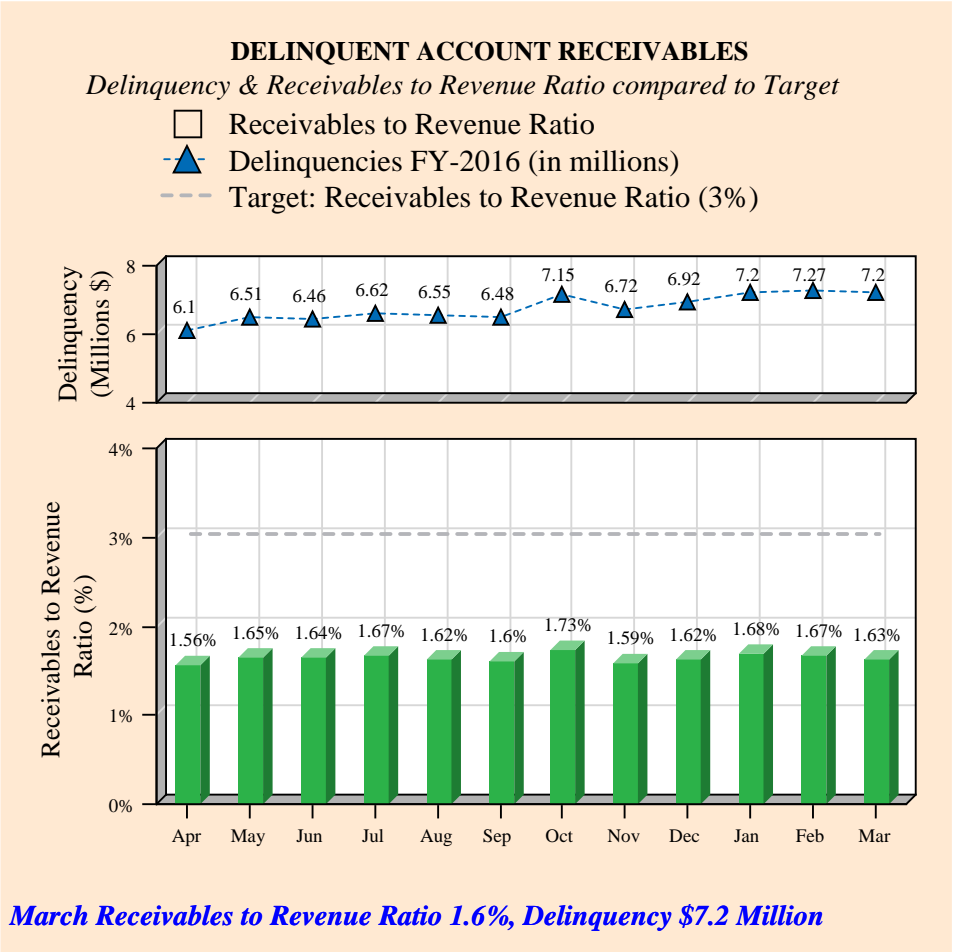
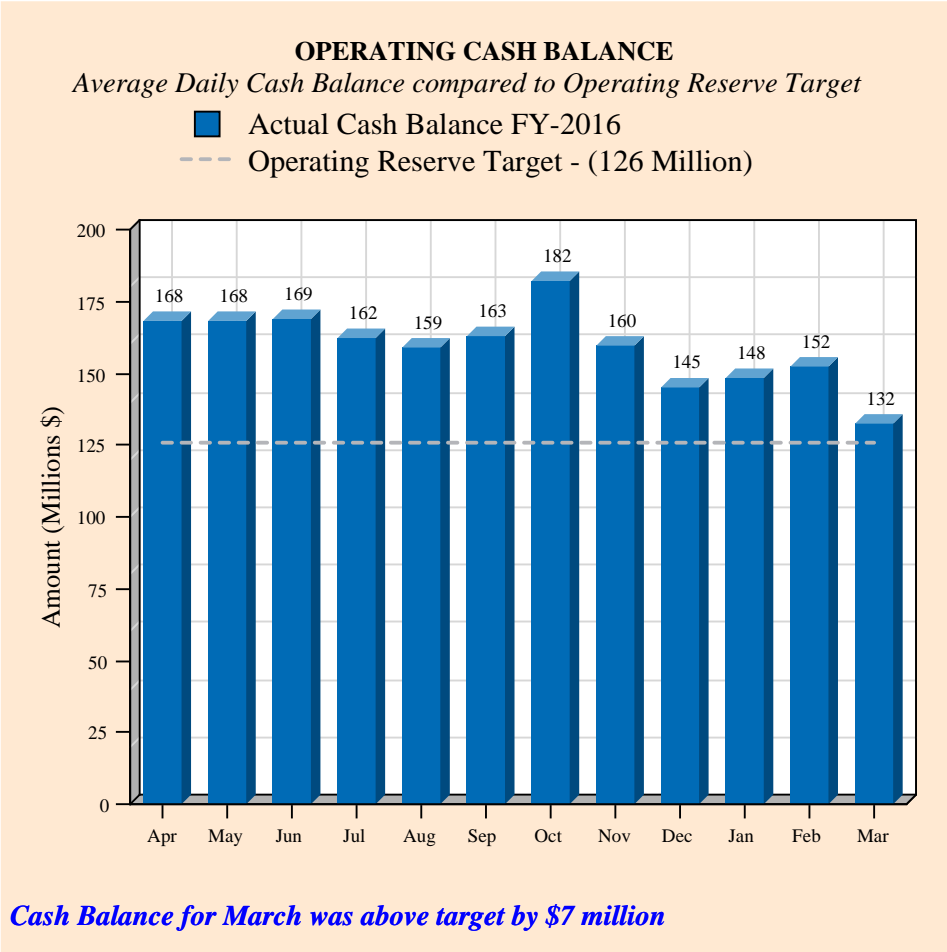


CAPITAL SPENDING

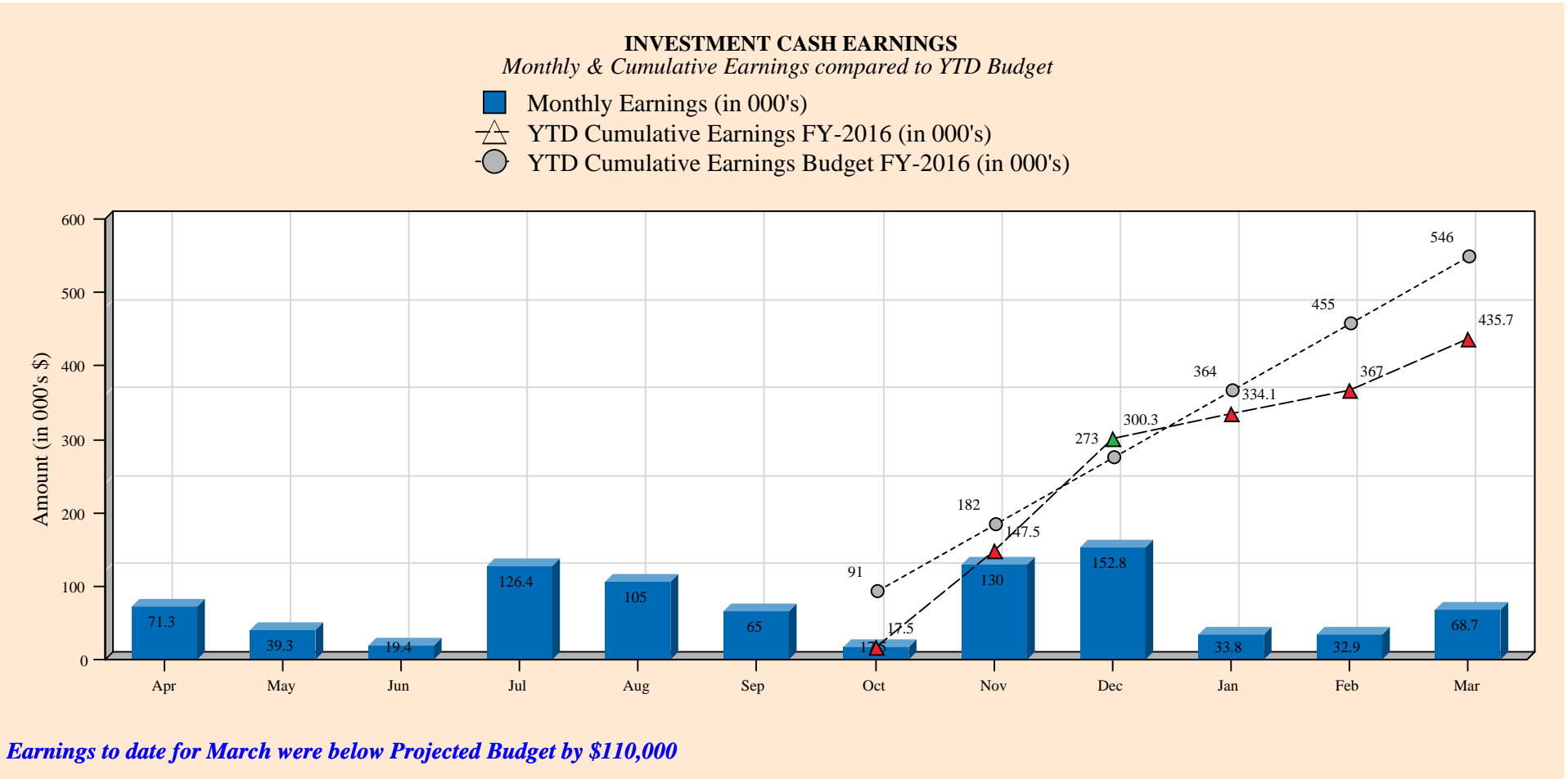


FINANCIAL HIGHLIGHTS

OPERATING CASH AND RECEIVABLES



INVESTMENT EARNINGS



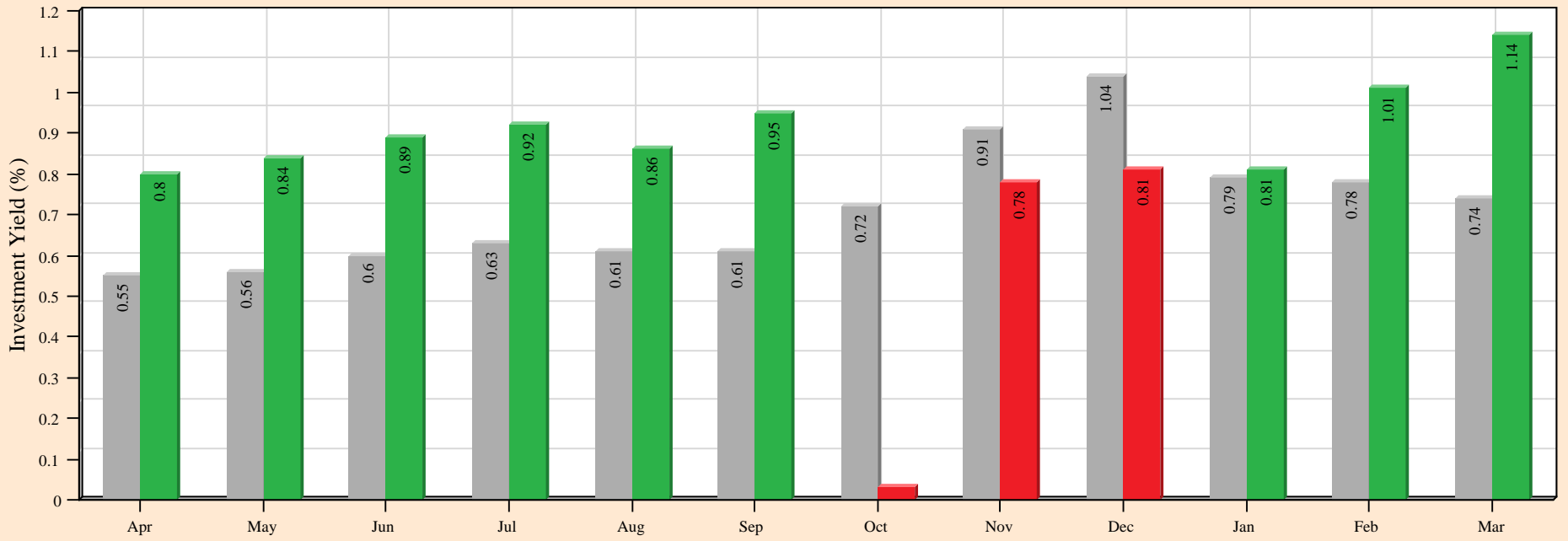
FINANCIAL HIGHLIGHTS

INVESTMENT YIELD

CORE INVESTMENTS YIELD

Monthly Yield compared to Merrill Lynch Benchmark

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

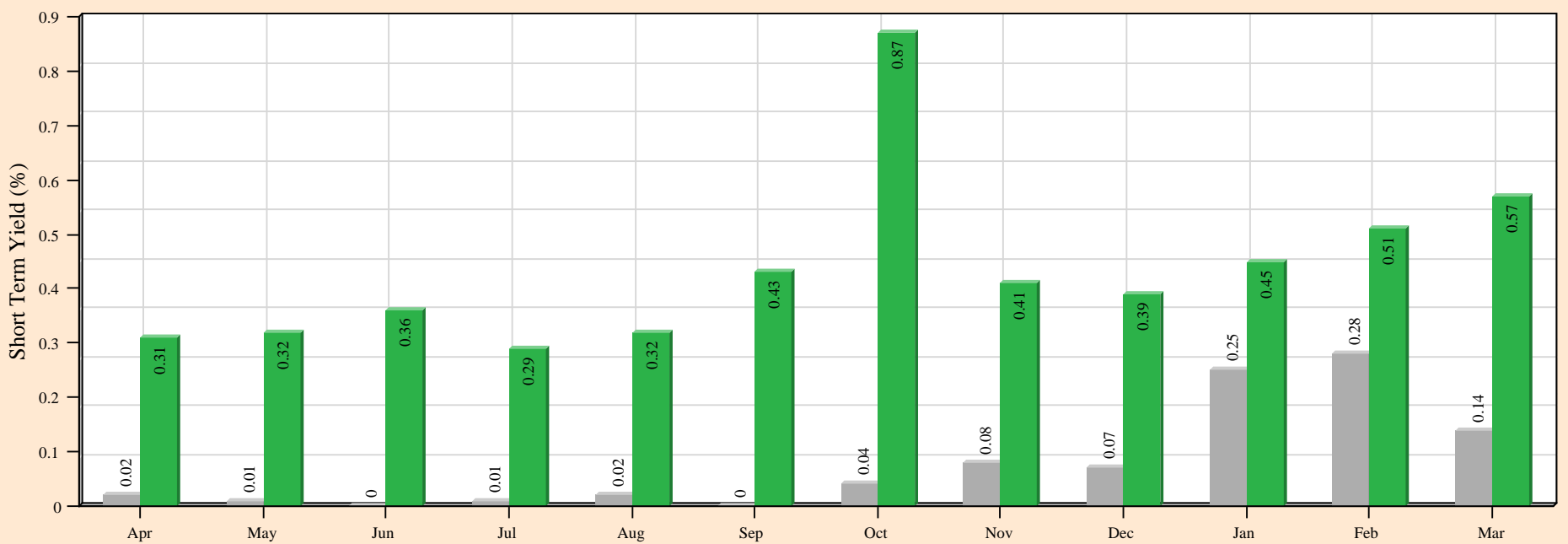


Yield for March was higher than the treasury index by 0.40%

SHORT TERM INVESTMENT YIELD

Short Term Yield compared to Merrill Lynch Benchmark

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



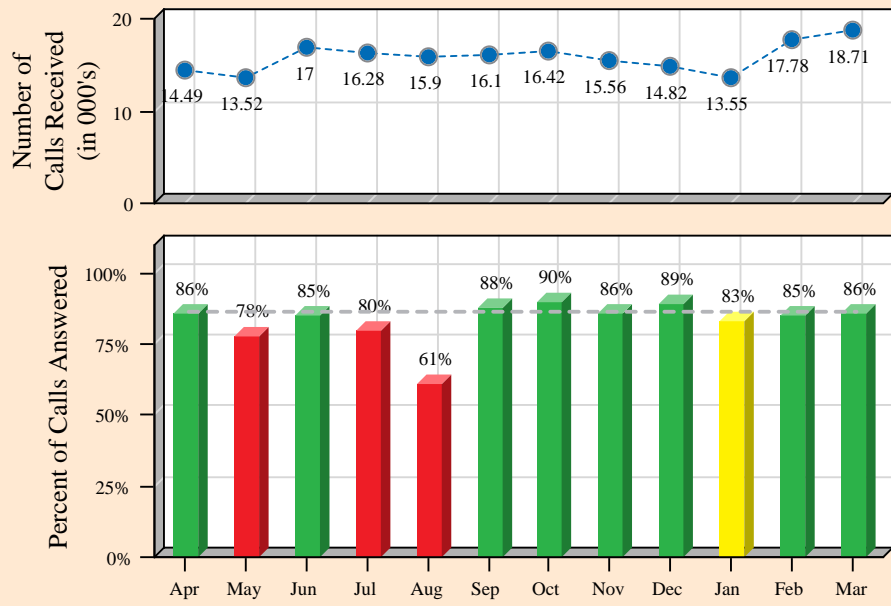
Short Term Yield for March was higher than the Merill Lynch yield by 0.43%

CUSTOMER CARE AND OPERATIONS HIGHLIGHTS

CUSTOMER SERVICE

CALL CENTER PERFORMANCE
Calls Answered within 40 Seconds compared to Target

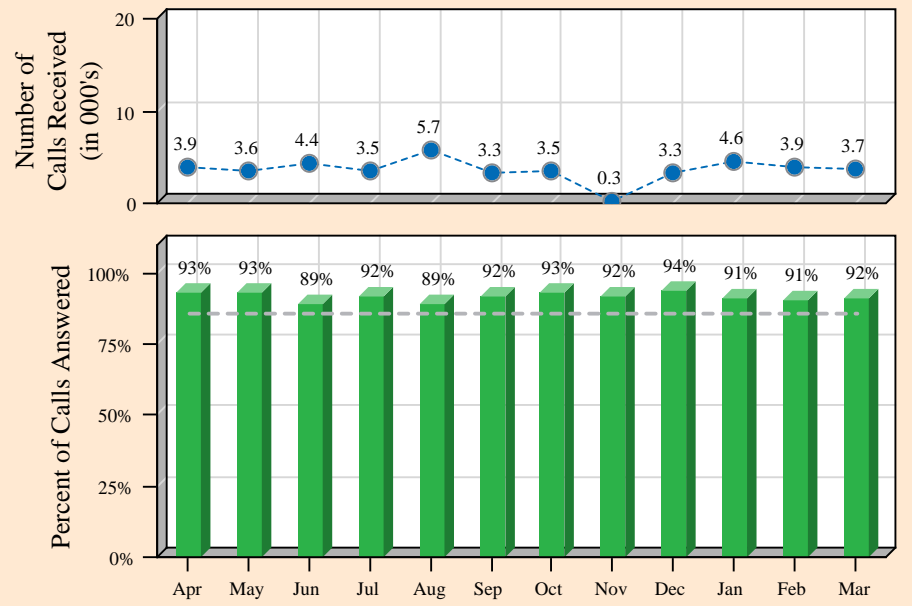
- Call Center: Calls answered (%)
- No of Calls - Call Center (in 000's)
- Target -Call Center (85%)



Performance for March was above target by 1%

COMMAND CENTER PERFORMANCE
Calls Answered within 40 Seconds compared to Target

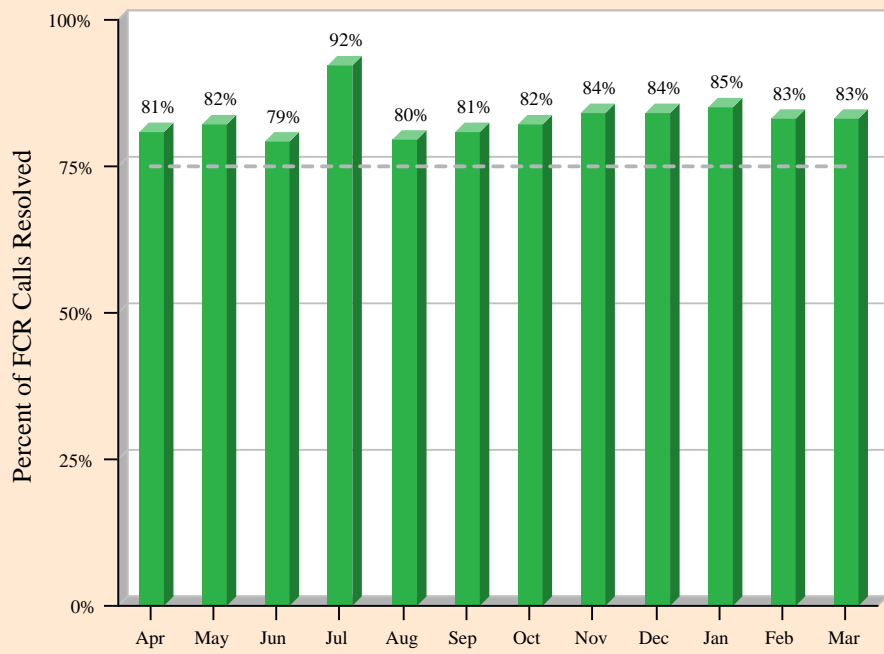
- Command Center: Calls answered (%)
- No of Calls - Command Center (in 000's)
- Target -Command Center (85%)



Performance for March was above target by 7%

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

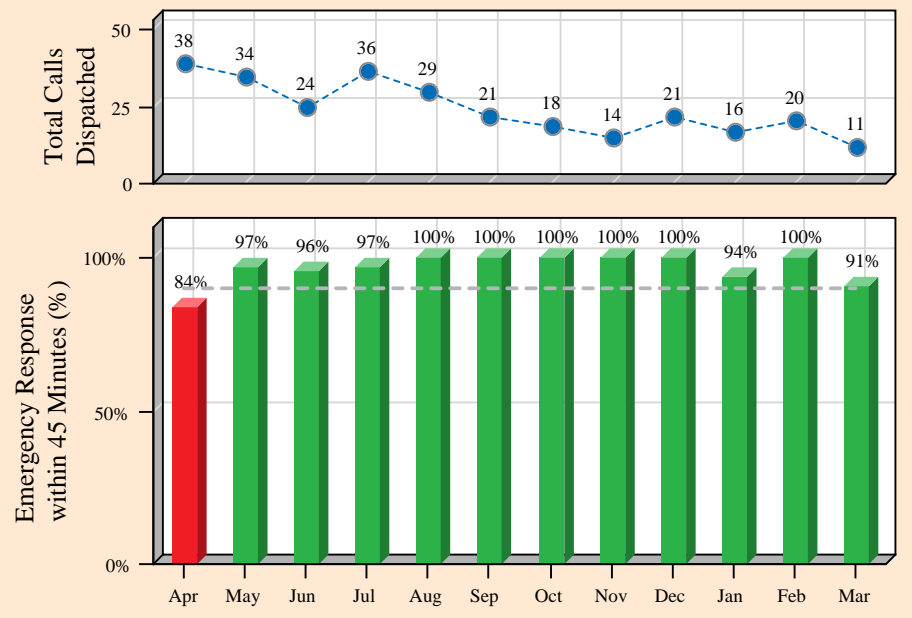
- FCR (%)
- FCR Target (75%)



Performance for March was above target by 8%

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

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



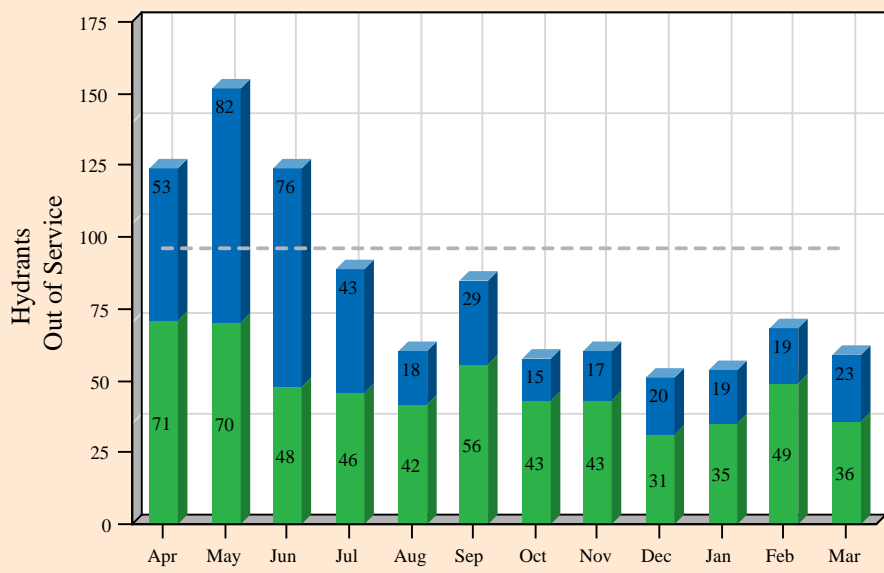
Performance for March was above target by 1%

CUSTOMER CARE AND OPERATIONS HIGHLIGHTS

FIRE HYDRANTS

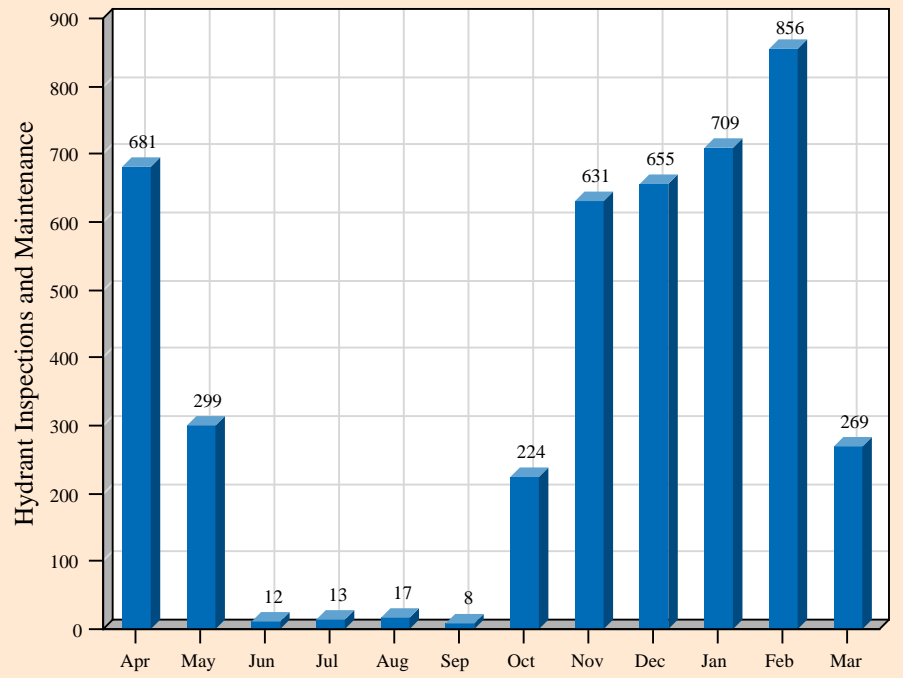
FIRE HYDRANTS OUT OF SERVICE (OOS)
Total Hydrants Out of Service against Target

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



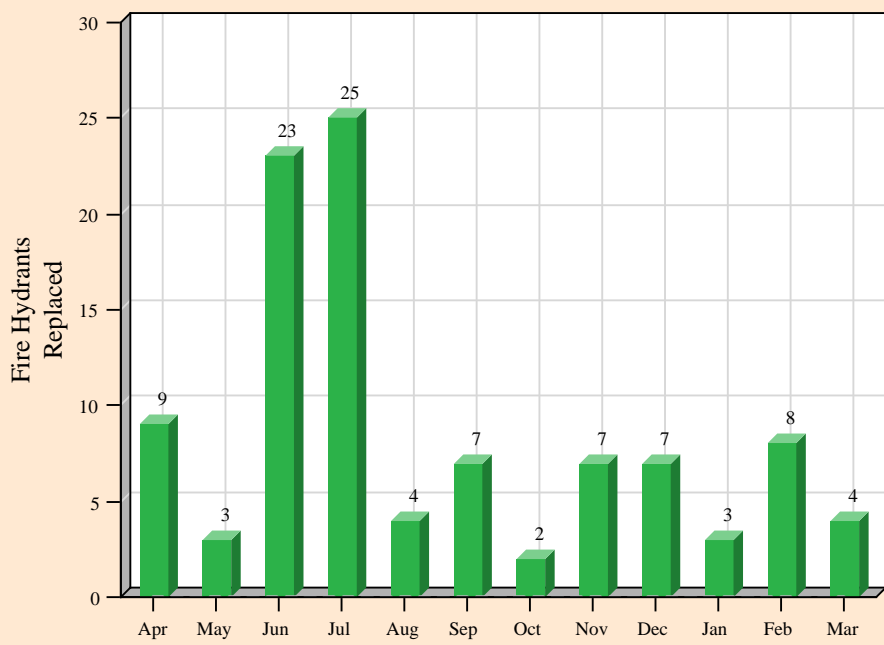
Fire Hydrant Inspections and Maintenance
Total Hydrant Inspection and Maintenance Work Orders Completed per Month

- Hydrant Inspections and Maintenance



FIRE HYDRANT REPLACEMENTS
Total Hydrants Replaced per Month

- Hydrants Replaced
- Annual Replacement Target (250)

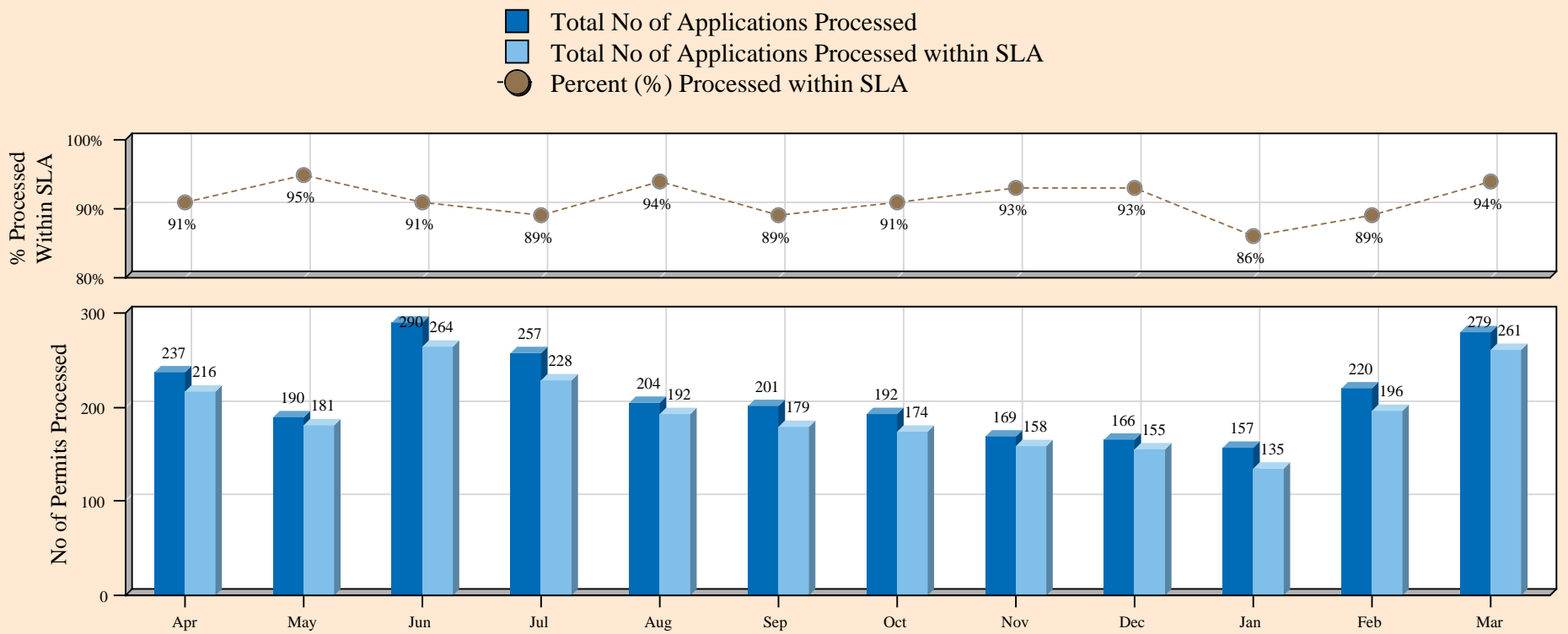


Total replacements as of March were 31 against annual projections of 250

CUSTOMER CARE AND OPERATIONS HIGHLIGHTS

PERMIT PROCESSING

TOTAL APPLICATIONS PROCESSED WITHIN SERVICE LEVEL AGREEMENT (SLA)

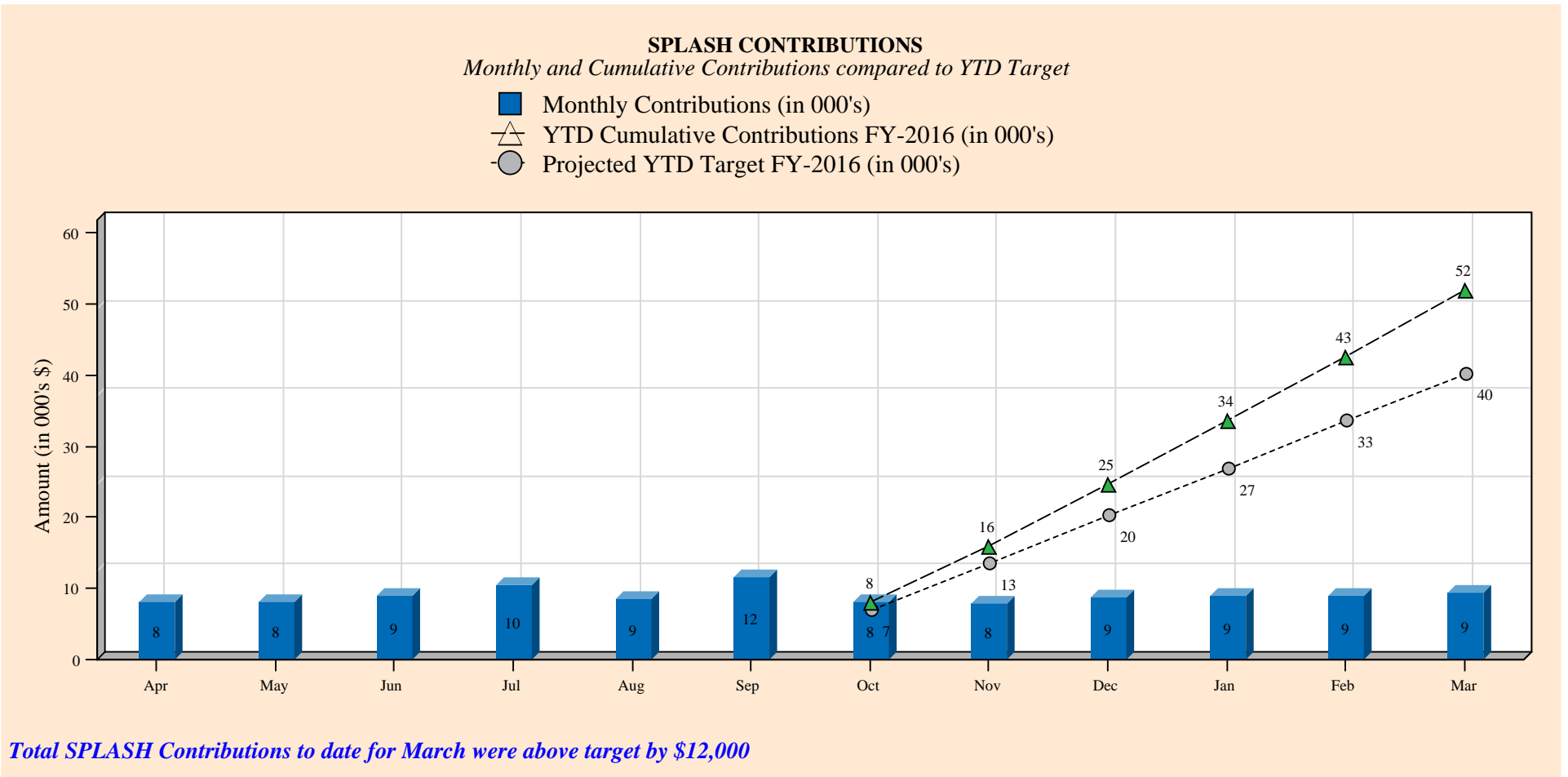


SLA Examples: Raze Permit - 14days, Sheeting and Shoring - 14 days, Preliminary Plan Review - 45 days

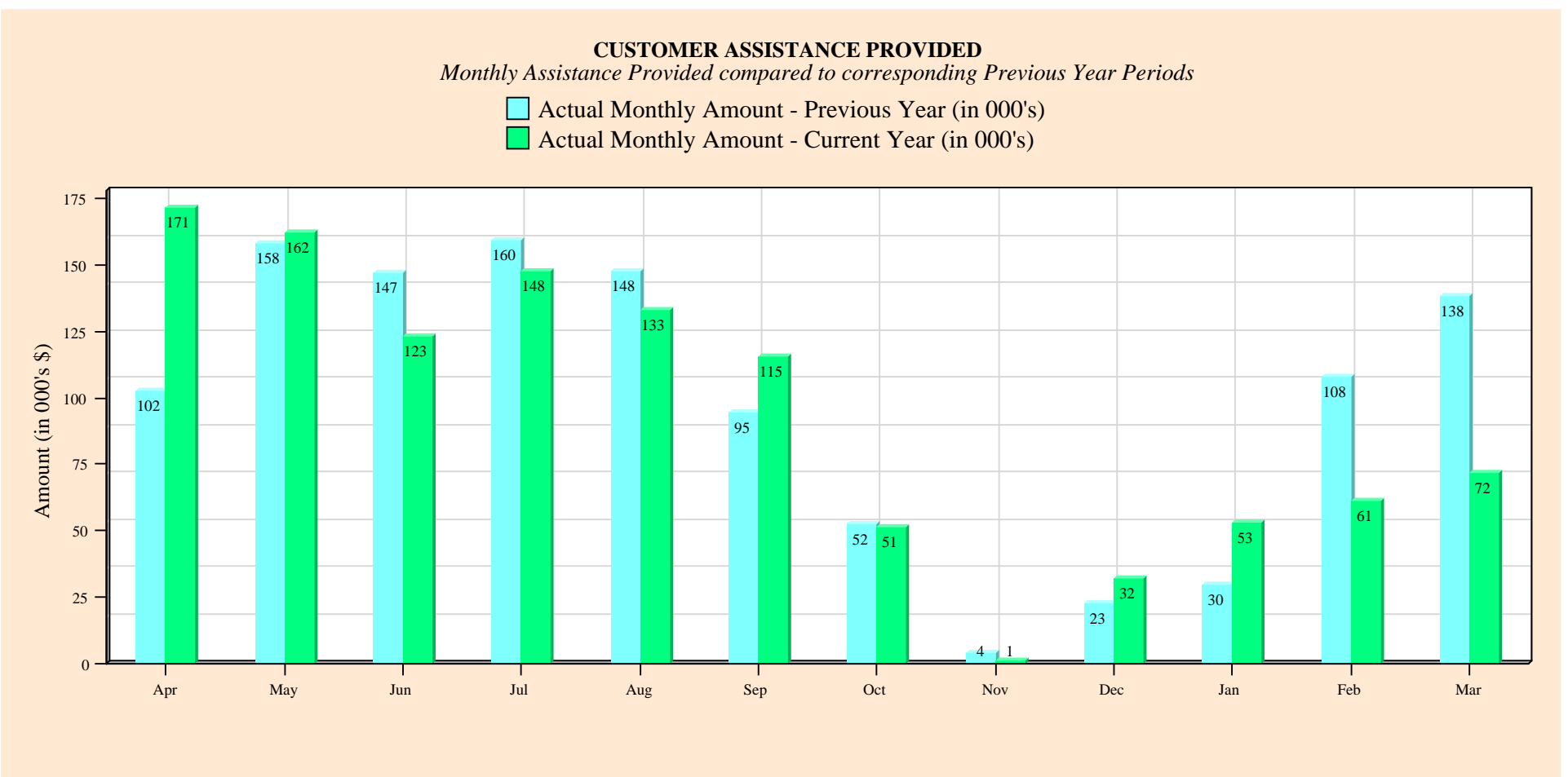
Permits not processed within SLA in February were 6% Note that different SLA's range from 7 days to 45 days

LOW INCOME ASSISTANCE PROGRAM

SPLASH PROGRAM



CUSTOMER ASSISTANCE PROGRAM (CAP)



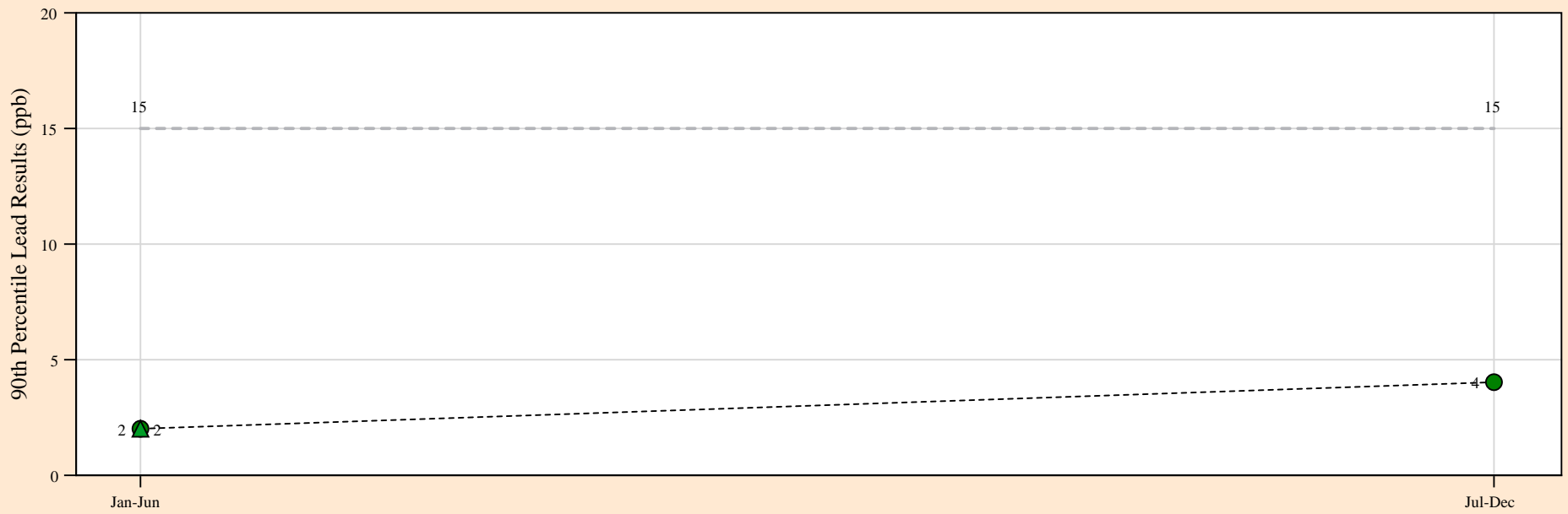
OPERATIONAL HIGHLIGHTS

DRINKING WATER QUALITY

LEAD AND COPPER RULE (LCR) COMPLIANCE

Semi-Annual LCR Monitoring Results

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

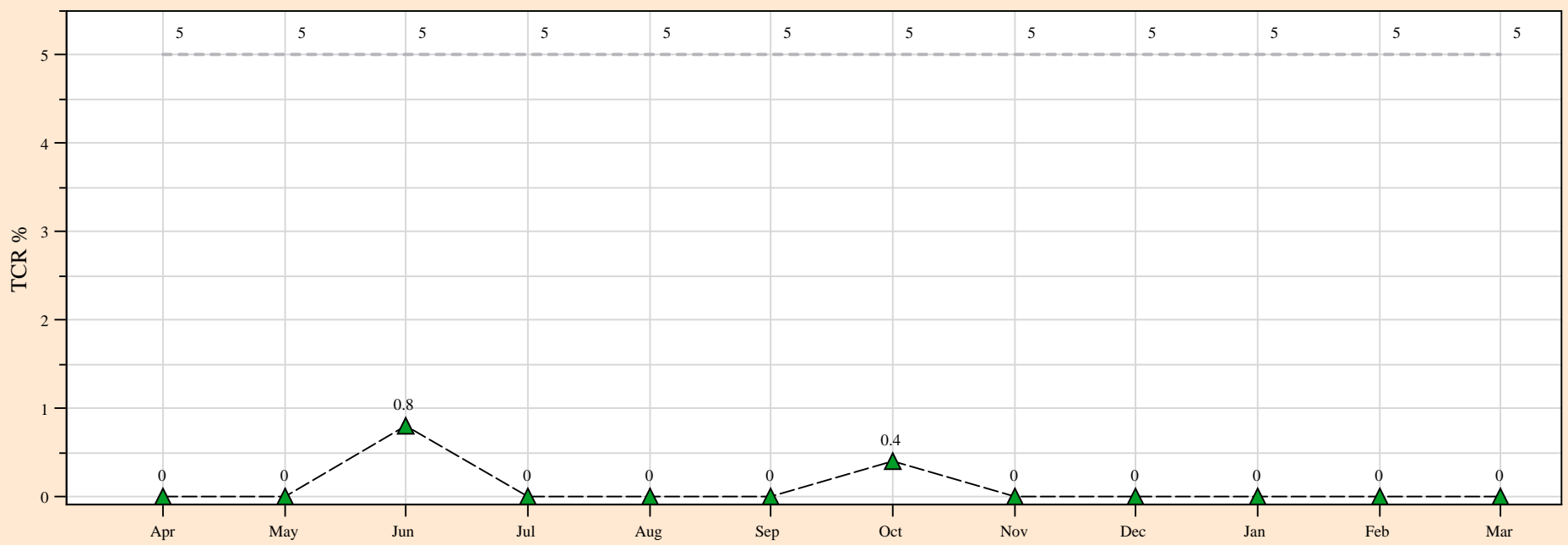


Jan-Jun 2016 results to date

TOTAL COLIFORM RULE (TCR)

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

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

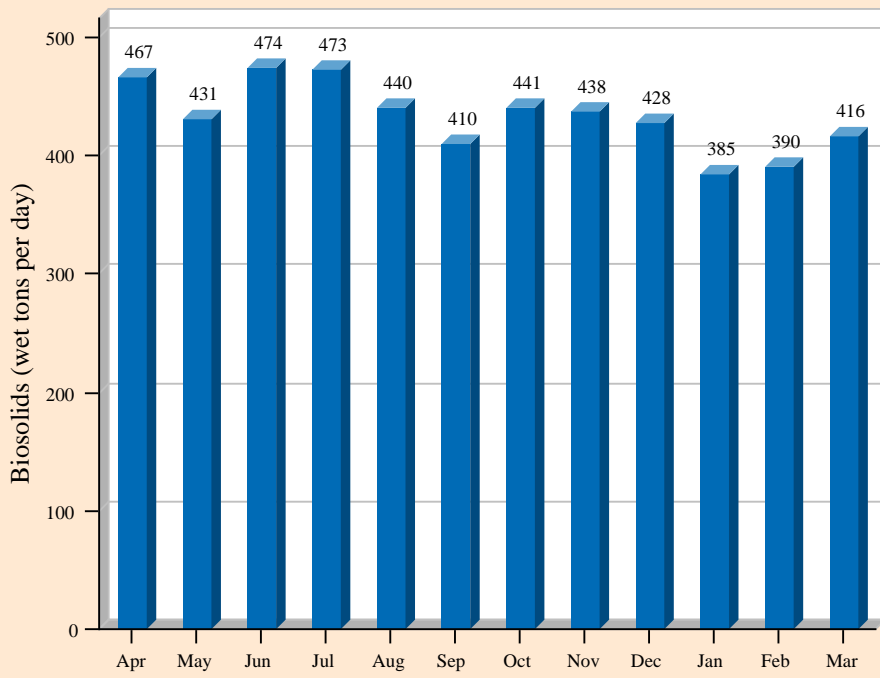


No Coliform Positives were recorded in March

OPERATIONAL HIGHLIGHTS

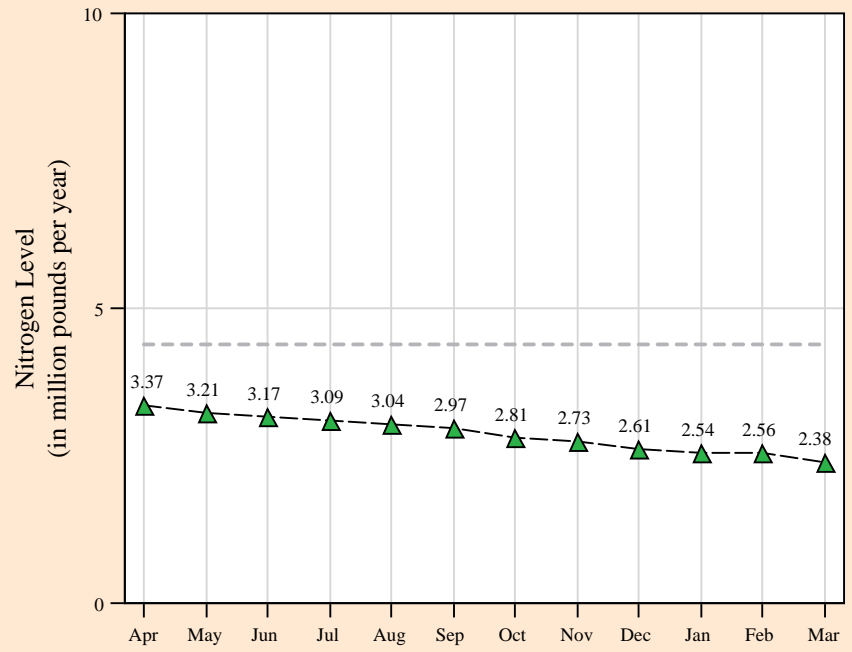
WASTEWATER TREATMENT

BIOSOLIDS PRODUCTION
Average Daily Biosolids Production
■ Average Daily Biosolids Hauled



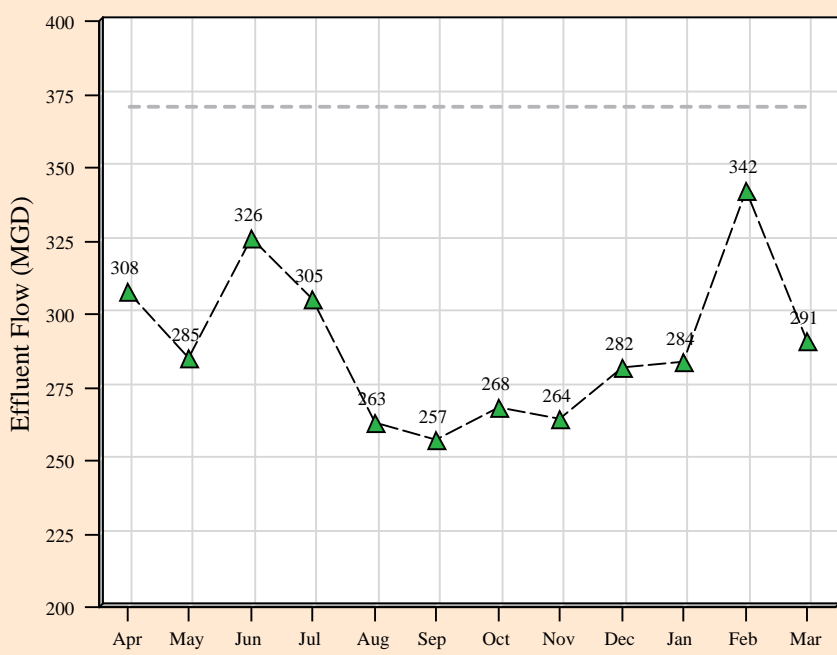
Biosolids Average Daily Production for March was 416 wet tons per day

TOTAL NITROGEN
Total Nitrogen compared to New Permit Levels
△ Nitrogen Annually Load (lbs/yr)
--- New Permit Limit - 4.38 Million (lbs/yr)



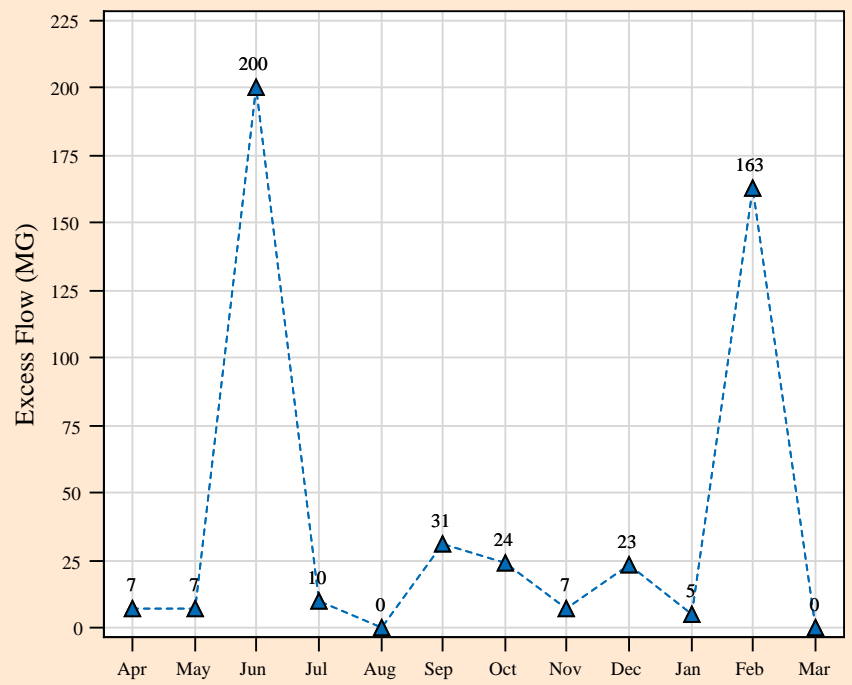
Nitrogen level for March was below permit by 2.0 million lbs/yr

PLANT EFFLUENT FLOW
Effluent Flow compared to Plant Design Average Limit
△ Effluent Flow
--- Design Average (370 mgd)



In March, Effluent flow was below design by 79 MGD

EXCESS FLOW
▲ Excess Flow

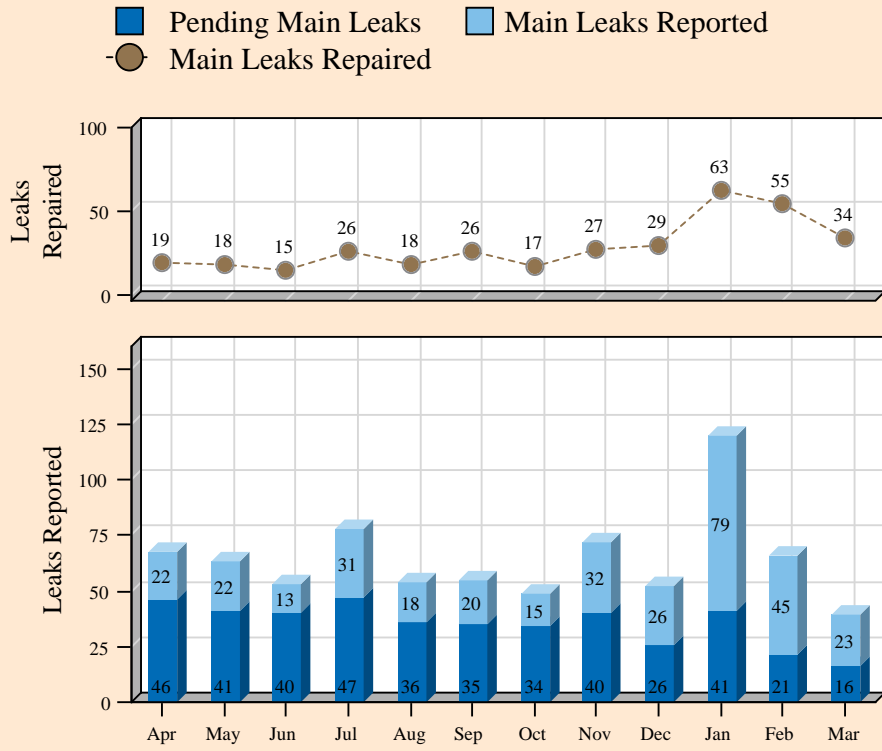


No excess flow were recorded in March 2016

OPERATIONAL HIGHLIGHTS

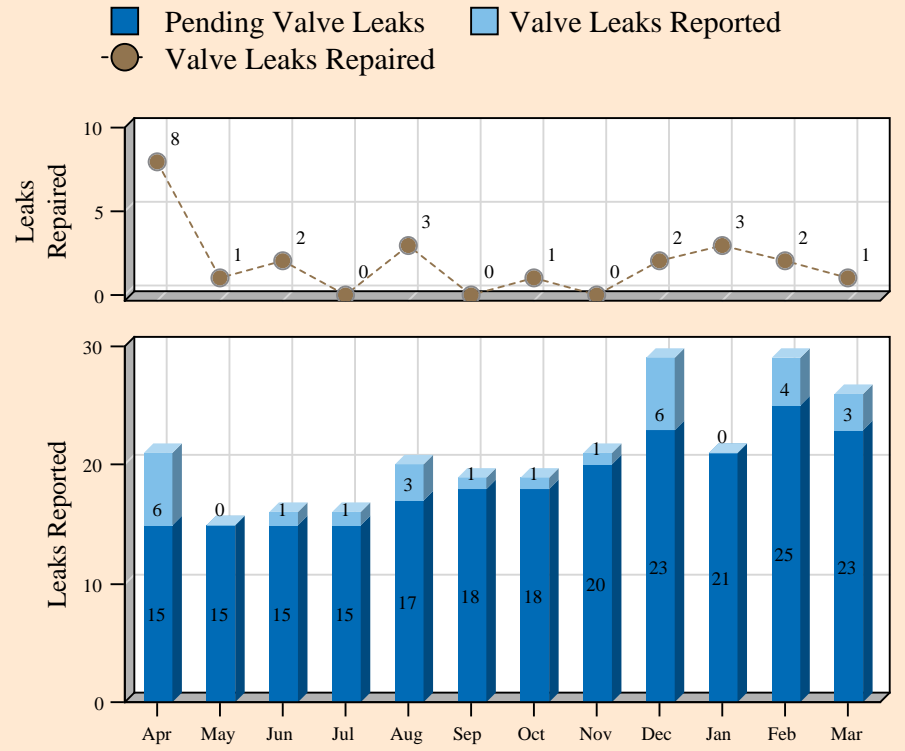
WATER DISTRIBUTION OPERATIONS

WATER MAIN LEAKS



There were 23 main leaks reported in March

WATER VALVE LEAKS

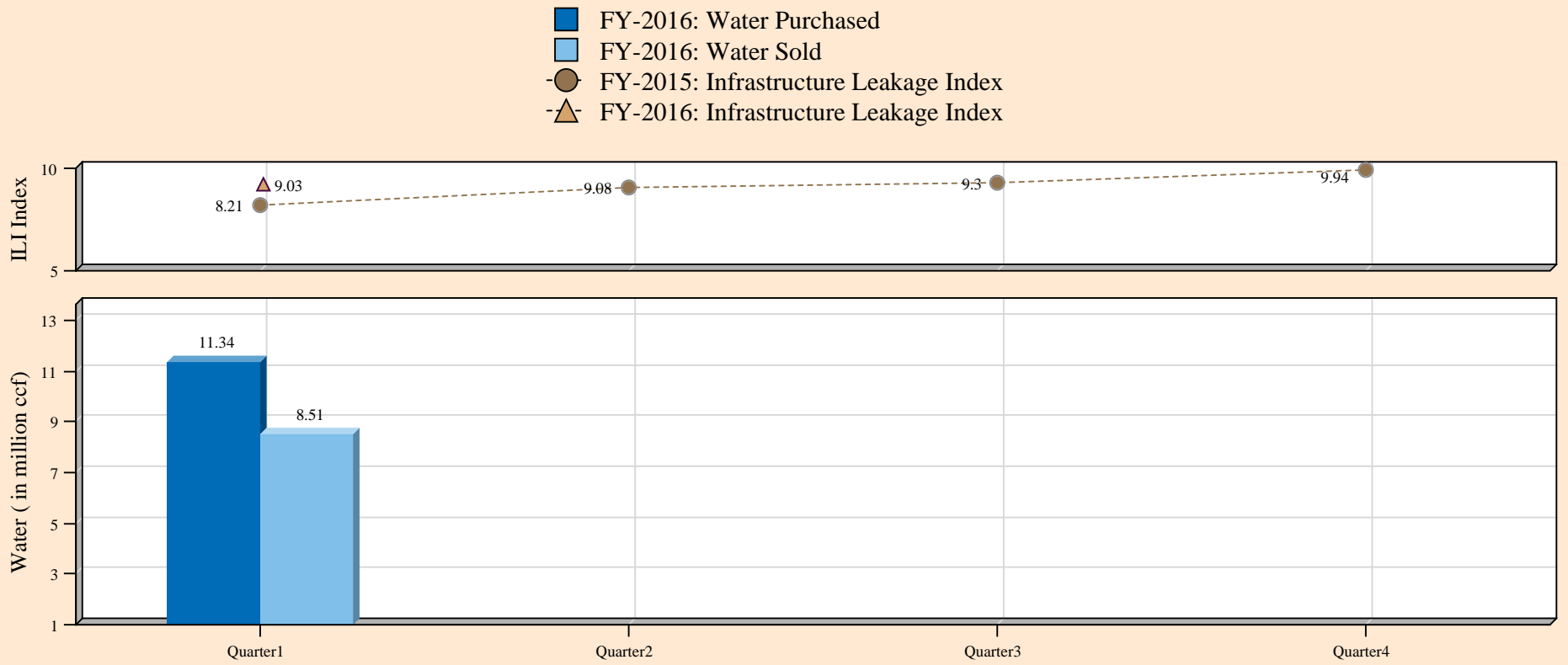


1 leak was resolved in March

WATER BALANCE

NON-REVENUE WATER

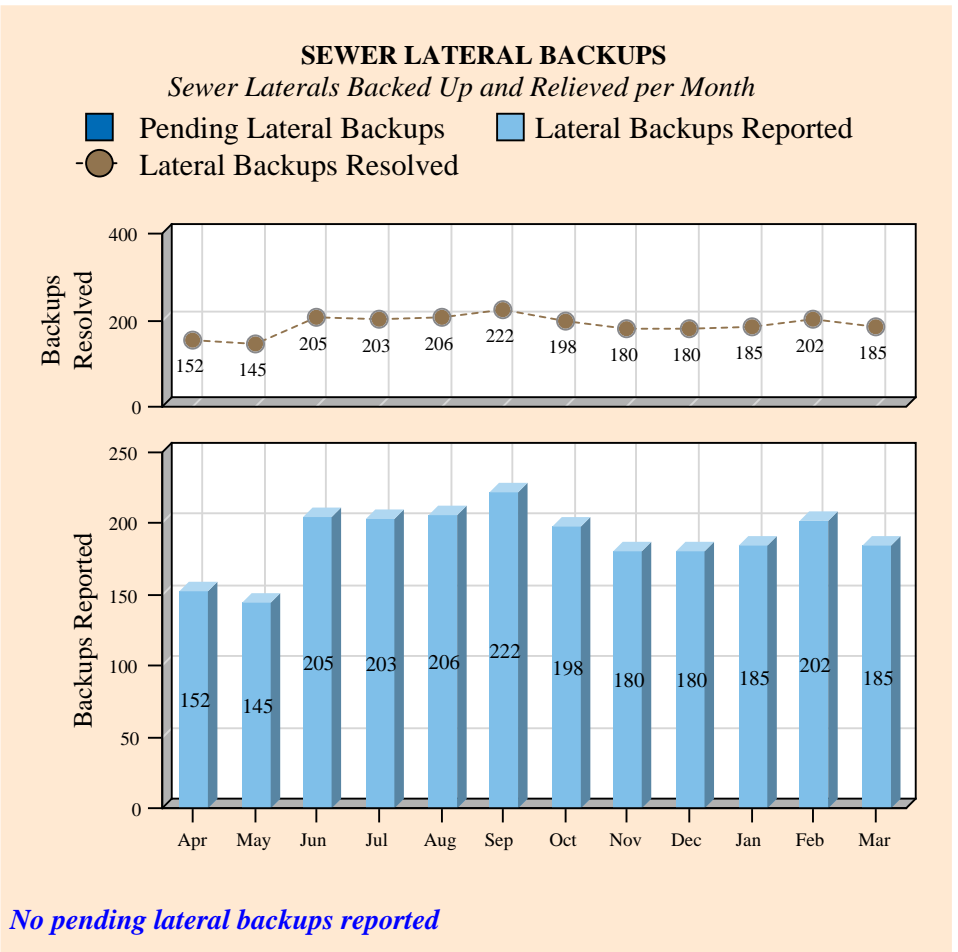
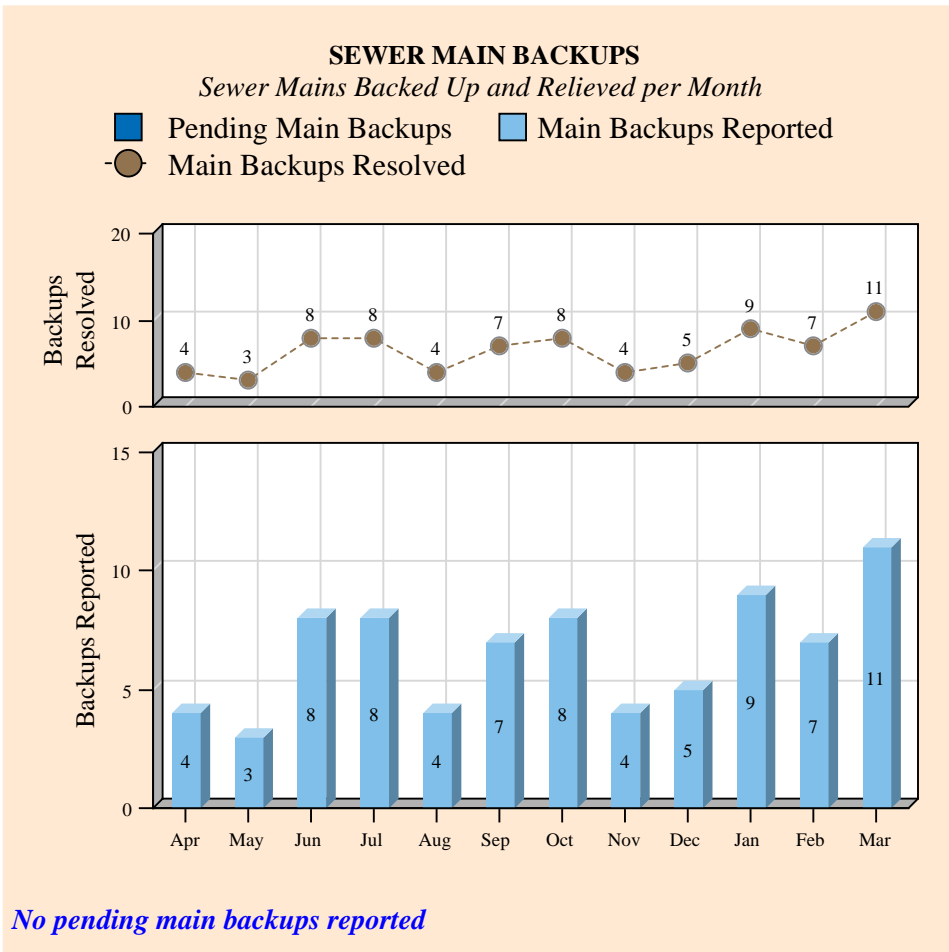
Volume of Water Purchased and Sold per Quarter



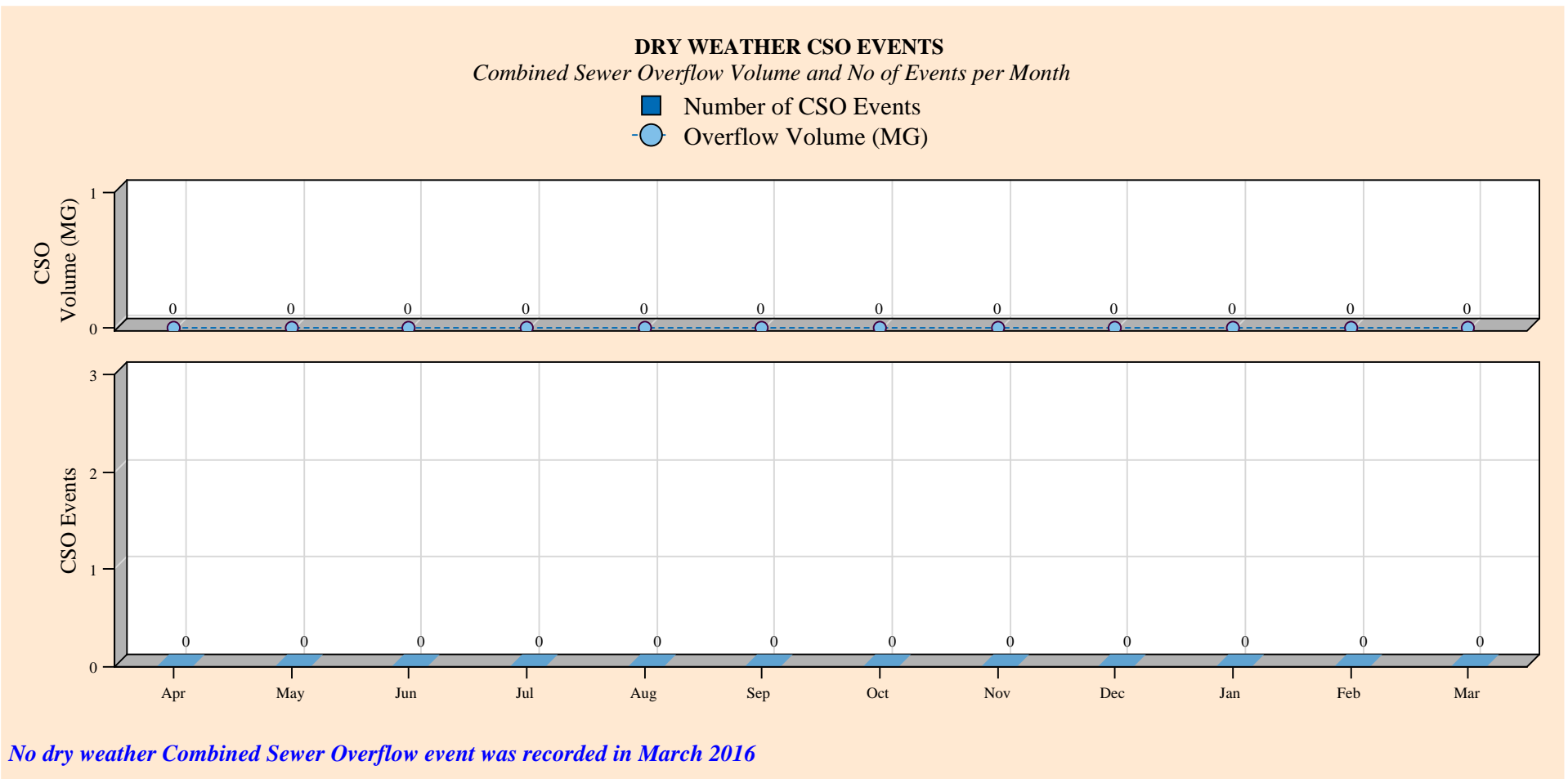
In the 1st quarter 8.5 out of 11.3 million cubic feet of water was sold

OPERATIONAL HIGHLIGHTS

SEWER SYSTEM OPERATIONS



COMBINED SEWER SYSTEM

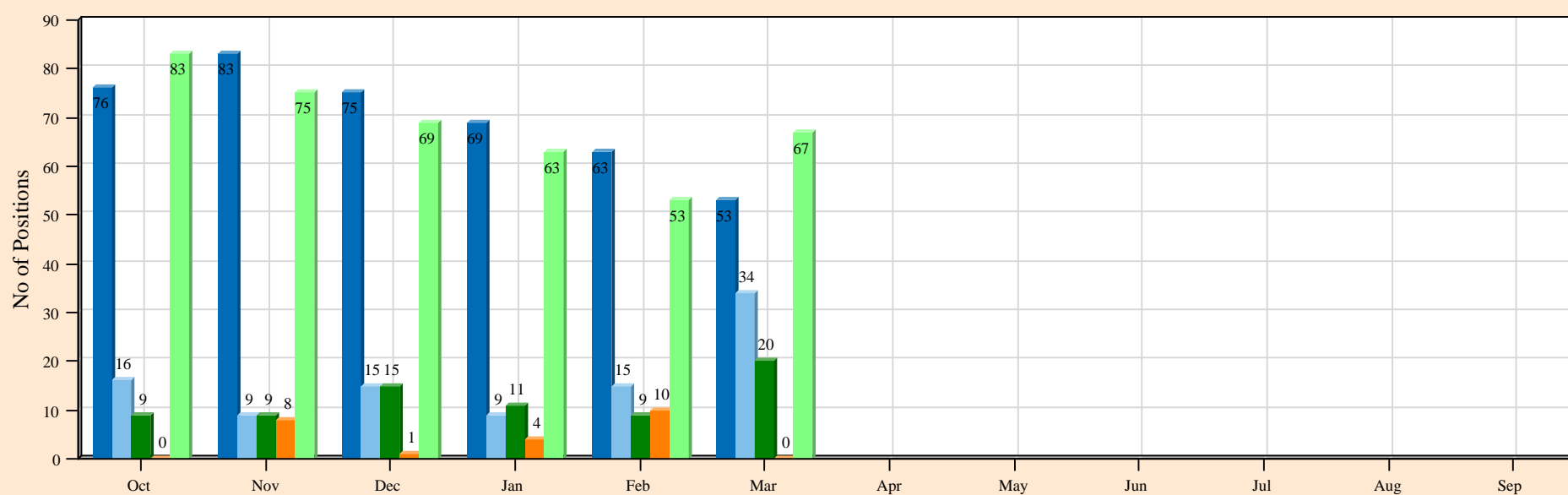


OPERATIONAL HIGHLIGHTS

HUMAN RESOURCES

RECRUITMENT ACTIVITY

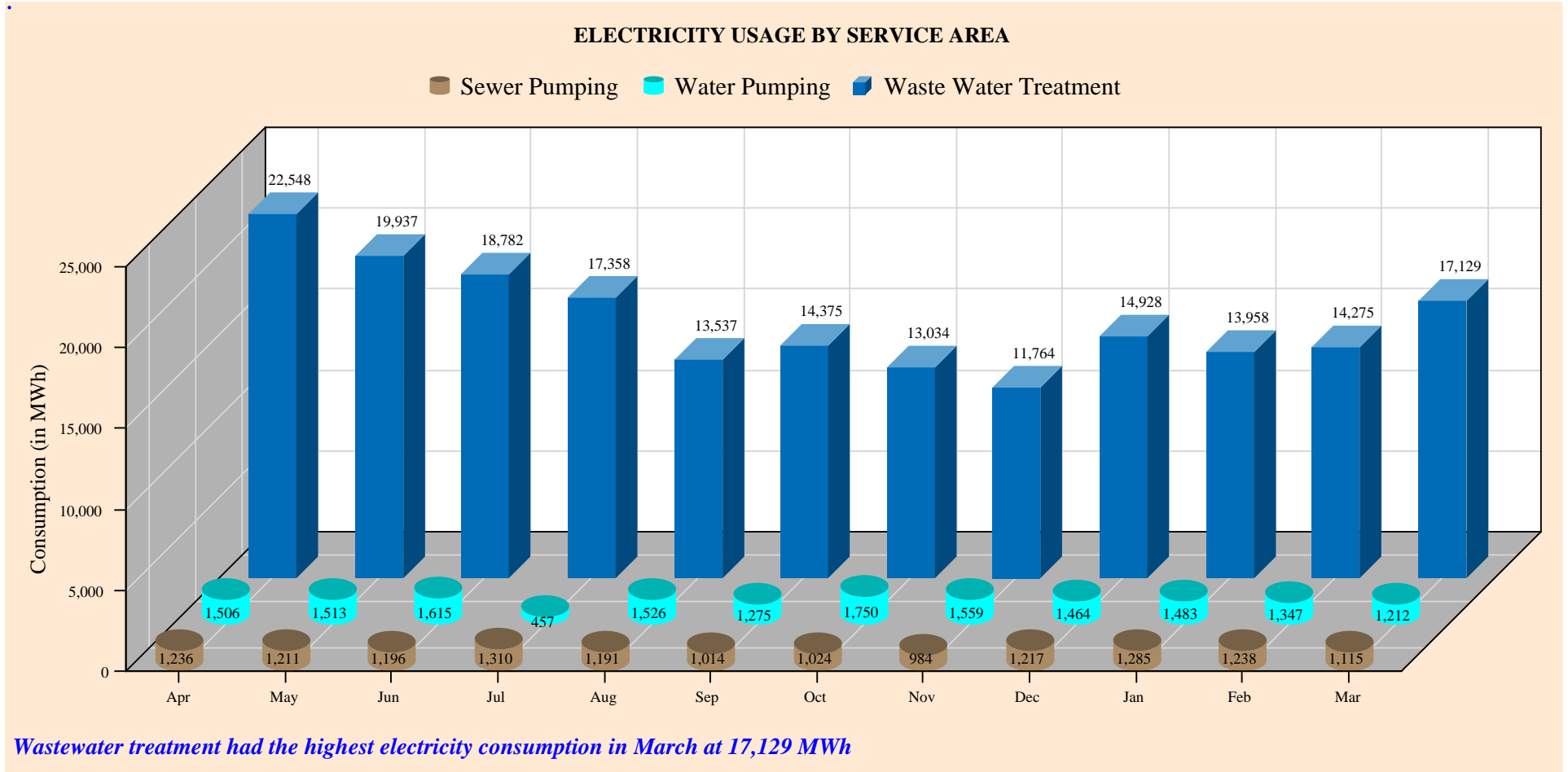
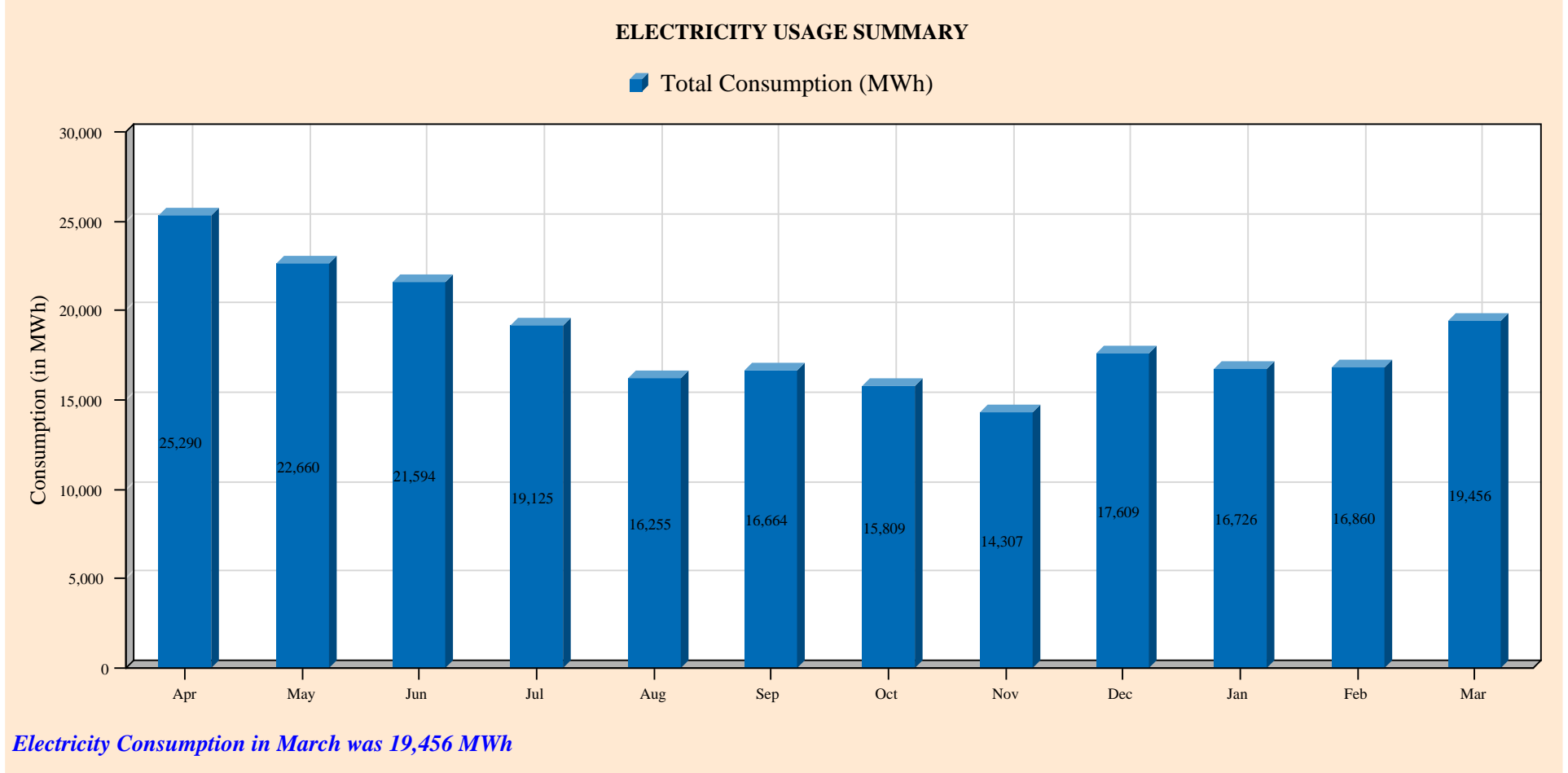
- FY-2016:Rolled Over Open Positions
- FY-2016:New Positions Added
- FY-2016:Positions Filled
- FY-2016:Positions Canceled
- FY-2016:Net Remaining Open Positions



In March, we began the month with 53 positions, received 34 new positions, filled 20, No cancellations and ended the month with 67 positions

OPERATIONAL HIGHLIGHTS

ENERGY

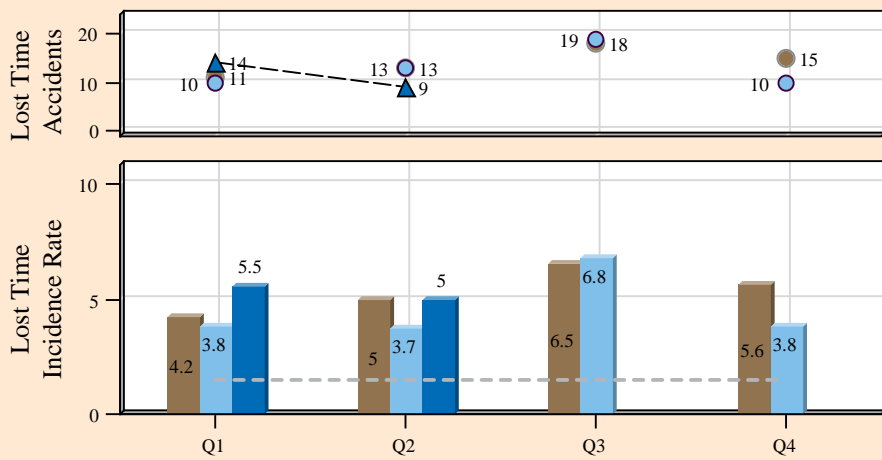


OPERATIONAL HIGHLIGHTS

SAFETY

EMPLOYEE LOST TIME INCIDENCE RATE

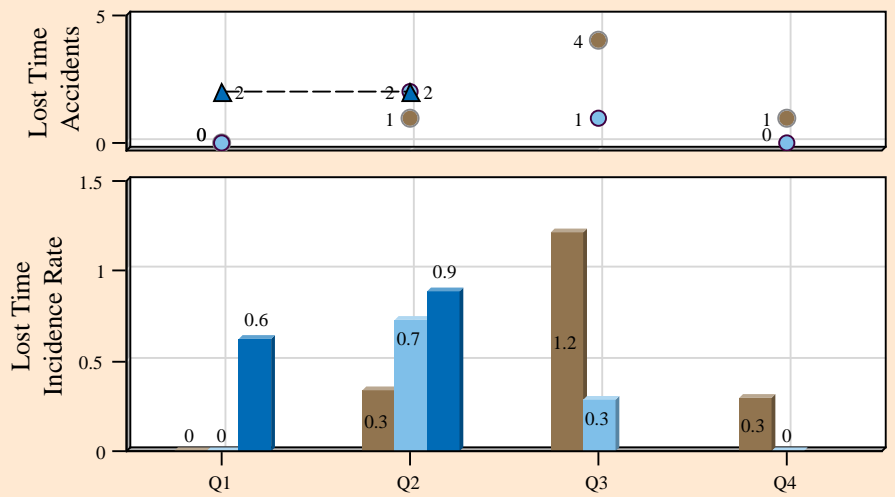
- FY-2014: LT Incidence Rate
- FY-2015: LT Incidence Rate
- FY-2016: LT Incidence Rate
- FY-2014: No of LT Accidents
- FY-2015: No of LT Accidents
- FY-2016: No of LT Accidents
- Target/National: LT Incidence Rate



In the 2nd quarter, 13 lost time accidents were reported

CONTRACTOR LOST TIME INCIDENCE RATE

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

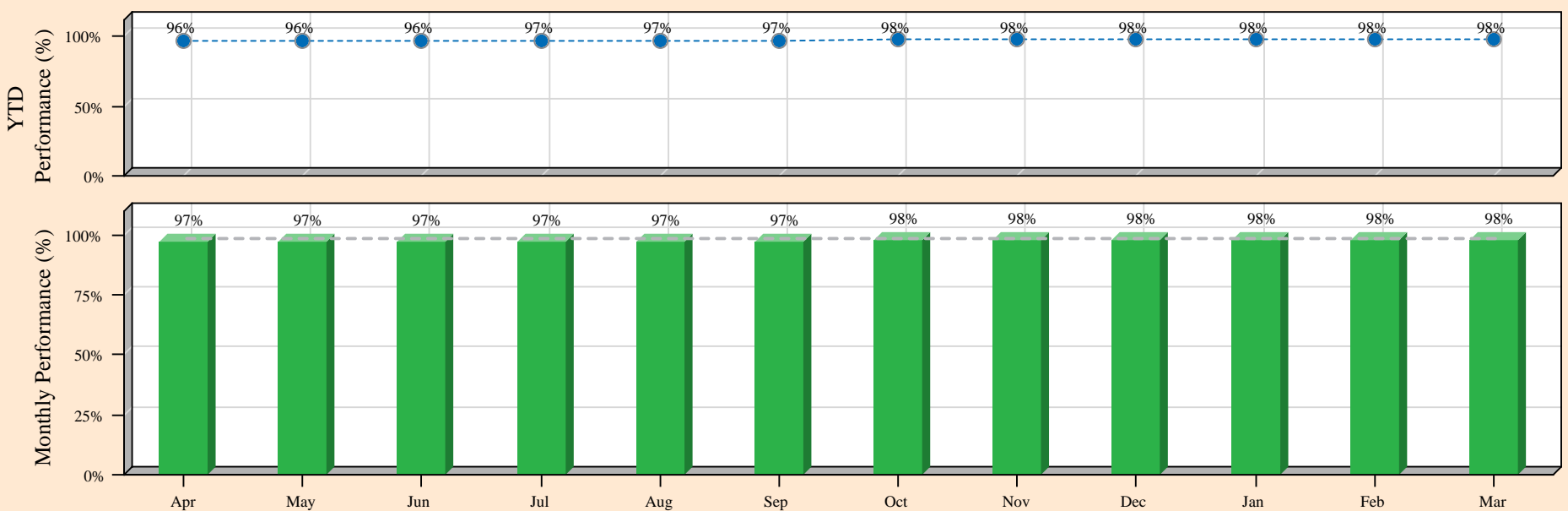


In the 2nd quarter, 2 lost time accidents were reported

VENDOR PAYMENTS

VENDOR PAYMENT PERFORMANCE Percentage of Invoices Paid within 30 days

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



Monthly performance for March was above target by 1%

INTERPRETATION OF CHARTS:

FINANCIAL HIGHLIGHTS

Revenue, Expenditure, Capital Disbursement

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

Net Operating Cash

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

Operating Revenues

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

Operating Expenses

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

Capital Disbursements

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

Operating Cash Balance

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

Delinquent Account Receivables

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

Investment Cash Earnings

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

Core Investments Yield

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

Short Term Investment Yield

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

Dynamic Color Coding Legend

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

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

A

CUSTOMER CARE AND OPERATIONS HIGHLIGHTS

Call Center Performance

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

Command Center Performance

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

First Call Resolution (FCR)

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

Emergency Response Time

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

Fire Hydrants Out of Service (OOS)

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

Fire Hydrant Inspections and Maintenance

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

Fire Hydrant Replacements

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

Total Applications Processed within Service Level Agreement (SLA)

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

Dynamic Color Coding Legend

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

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

LOW INCOME ASSISTANCE PROGRAM

SPLASH Contributions

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

Customer Assistance Program (CAP)

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

OPERATIONAL HIGHLIGHTS

Lead and Copper Rule (LCR) Compliance

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

Total Coliform Rule (TCR)

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

Biosolids Production

- Bar graph shows monthly average daily biosolids production

Total Nitrogen

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

Plant Effluent Flow

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

Excess Flow

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

Water Main Leaks

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

Water Valve Leaks

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

Dynamic Color Coding Legend

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

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

Non Revenue Water

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

Sewer Main Backups

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

Sewer Lateral Backups

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

Combined Sewer dry weather Overflow (CSO) Events

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

Open Positions

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

Electricity Usage Summary

- Bar graph shows total electricity consumption per month

Electricity Usage by Service Area

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

Employee Lost Time Incidence Rate

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

Contractor Lost Time Incidence Rate

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

Dynamic Color Coding Legend

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

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

Vendor Payment Performance

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

Dynamic Color Coding Legend

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

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

E



Summary of Contracts on Consent Agenda
220th Meeting of the DC Water Board of Directors
Thursday, May 5, 2016

Joint-Use Contracts

Resolution No. 16-33 - Execute Contract No. 150020, Fort Myer Construction Corporation. The purpose of the contract is to relocate utility lines prior to construction of Division J – Northeast Boundary Tunnel by a follow-on contractor. The contract amount is \$16,996,686. (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)

Resolution No. 16-34 - Execute Supplemental Agreement No. 03 of Contract No. DCFA #429-WSA, ARCADIS District of Columbia, P.C. The purpose of the supplemental agreement is to provide CM services for FDF and CHP contracts. The supplemental agreement amount is \$1,964,000. (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)

Resolution No. 16-35 - Execute a Contract Modification to Contract No. WAS-09-012-AA-GA, M&M Electric Motor Repair, Inc. The purpose of the modification is to add additional funding to repair and/or rehabilitate the Virginia & New Hampshire, 1st & Canal, 3rd & Constitution and main stormwater pumping and pump stations. The contract modification amount is \$447,431. (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)

Resolution No. 16-36 - Execute Option Year Four of Contract No. WAS-11-059-AA-RA, Collins Elevator Services, Inc. The purpose of the option is to continue providing elevator maintenance, equipment replacement and repair services to include preventative maintenance repair, replacement and inspection of elevators. The option amount is \$146,668. (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)

Non-Joint Use Contracts

Resolution No. 16-37 - Execute Option Year Four of Contract No. WAS-12-034-AA-CE, Rodgers Brothers Custodial Services, Inc. The purpose of the option is to continue providing sand, gravel, stone, topsoil and concrete aggregate to backfill trenches and other excavated areas. The option amount \$325,000. (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)

Resolution No. 16-38 – Execute Contract No. 130260, Inland Waters Pollution Control, Inc. The purpose of the contract is to clean and line the 51 inch diameter East Side Interceptor Sewer and clean and line or relocate other DC Water sewers inside the United States National Arboretum. The contract amount is \$7,798,842.03. (Recommended by Environmental Quality and Sewerage Services Committee 4/21/16)

Presented and Adopted: May 5, 2016
SUBJECT: Approval to Execute Contract No. 150020
Fort Myer Construction Corporation

#16-33
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 May 5, 2016 upon consideration of a joint use matter, decided by a vote of __() in favor and __() opposed to execute Contract No. 150020, Fort Myer Construction Corporation.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Contract No. 150020, Fort Myer Construction Corporation. The purpose of the contract is to relocate utility lines prior to construction of Division J – Northeast Boundary Tunnel by a follow-on contractor. The contract amount is \$16,996,686.

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:

**Division U – Northeast Boundary Tunnel Utility Relocations
(Joint Use)**

Approval to execute a construction contract not to exceed: \$16,996,686.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Fort Myer Construction Corporation 2237 33 rd Street, NE Washington, DC 20018	Omni Excavators Washington, DC	MBE 14.1%
	Dynamic Concepts, Inc Washington, DC	MBE 18.0%
	Hybrid Construction & Engineering Group Washington, DC	WBE 6.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$16,996,686.00
 Contract Time: 534 Days (1 Years, 6 Months)
 Anticipated Contract Start Date (NTP): 05-19-2016
 Anticipated Contract Completion Date: 11-04-2017
 Bid Opening Date: 03-09-2016
 Bids Received: 3
 Other Bids Received
 Anchor Construction Company \$ 19,992,000.00
 Corman Construction, Inc. \$ 28,833,500.00
 Preference Points Received:
 Evaluation Bid Amount:

Purpose of the Contract:

- To relocate utility lines prior to construction of Division J - Northeast Boundary Tunnel by a follow-on contractor.
- This work is required by a Consent Decree.

Contract Scope:

- Relocate sewer, electric, gas and communication utility lines at eight sites in the District of Columbia where the Northeast Boundary Tunnel diversion structures, drop shafts and other facilities will be constructed in the future.

Federal Grant Status:

- The Construction contract may be funded in part by prior Congressional appropriations for CSO projects.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	150020
Contractor Market:	Open Market		

BUDGET INFORMATION

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

***ESTIMATED USER SHARE INFORMATION**

Non Joint Use

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 16,936,686.00
Federal Funds	0.00%*	\$ -
Washington Suburban Sanitary Commission	0.00%	\$ -
Fairfax County	0.00%	\$ -
Loudoun County & Potomac Interceptor	0.00%	\$ -
Total Estimated Dollar Amount	100.00%	\$ 16,936,686.00

Joint Use

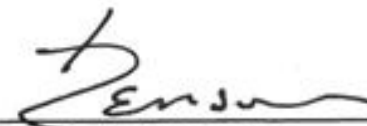
User	Share %	Dollar Amount
District of Columbia	92.90%	\$ 55,740.00
Federal Funds	0.00%*	\$ -
Washington Suburban Sanitary Commission	5.54%	\$ 3,324.00
Fairfax County	1.01%	\$ 606.00
Loudoun County & Potomac Interceptor	0.55%	\$ 330.00
Total Estimated Dollar Amount	100.00%	\$ 60,000.00

Combined

User	Share %	Dollar Amount
District of Columbia	99.975%	\$ 16,992,426.00
Federal Funds	0.000%*	\$ -
Washington Suburban Sanitary Commission	0.020%	\$ 3,324.00
Fairfax County	0.004%	\$ 606.00
Loudoun County & Potomac Interceptor	0.002%	\$ 330.00
Total Estimated Dollar Amount	100.000%	\$ 16,996,686.00

* Subject to future Federal appropriations. If future Congressional appropriation is received, DC share will decrease


 Gail Alexander-Reeves
 Director of Budget
 Date 4-13-16


 Leonard R. Benson
 Chief Engineer
 Date 4-12-16


 Dan Bae
 Director of Procurement
 Date 4/14/16


 George S. Hawkins
 General Manager/CEO
 Date 4-26-16

Presented and Adopted: May 5, 2016

SUBJECT: Approval to Execute Supplemental Agreement No. 03 of Contract No. DCFA #429-WSA, ARCADIS District of Columbia, P.C.

**#16-34
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 May 5, 2016 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Supplemental Agreement No. 03 of Contract No. DCFA #429-WSA, ARCADIS District of Columbia, P.C.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Supplemental Agreement No. 03 of Contract No. DCFA #429-WSA, ARCADIS District of Columbia, P.C. The purpose of the supplemental agreement is to provide CM services for FDF and CHP contracts. The supplemental agreement amount is \$1,964,000.

This Resolution is effective immediately.

Secretary to the Board of Directors

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

ACTION REQUESTED

**ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT:
Construction Management - Biosolids Program Management
(Joint Use)**

Approval to execute Supplemental Agreement No. 3 for \$1,964,000. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
ARCADIS District of Columbia, P.C. 7550 Teague Road Suite 210 Hanover MD 21076	O'Brien & Gere Engineers, Inc. Bowie, MD	8.7%
	HAKS Silver Spring, MD	12.3%
	Delon Hampton & Associates Washington, DC	16.4%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$28,385,874
Value of this Supplemental Agreement:	\$1,964,000
Cumulative SA Value, including this SA:	\$7,392,800
Current Contract Value, Including this SA:	\$35,778,674
Original Contract Time:	1,249 Days (3 Years, 5 Months)
Time extension, this SA:	184 Days
Total SA contract time extension:	827 Days (2 years, 3 Months)
Contract Start Date:	04-26-2011
Contract Completion Date:	12-31-2016

Purpose of the Contract:

- To provide onsite Construction Management (CM) Services for the Biosolids Management Program.
- This work is not required by a Consent Decree.

Original Contract Scope:

- To provide CM services for three construction contracts that are part of the Biosolids Management Program; the Main Process Train (MPT) (thermal hydrolysis/anaerobic digestion), Combined Heat & Power (CHP), and Final Dewatering Facilities (FDF); which are being delivered via design-build, design-build-operate and design-bid-build delivery methods, respectively.

Previous Supplemental Agreement Scope:

- Provide extension of CM services to accommodate changes in the sequence and scope of construction. Changes included; upgrades to the waste liquor return pump station, existing lime stabilization system enhancements sequence, alterations to the odor control chemical feed system for compatibility with hydrochloric acid and foul air loading.

Current Supplemental Agreement Scope:

To provide CM services for FDF and CHP contracts. The schedule for each of these projects has been extended due primarily to the following reasons:

- Upgrades to the existing lime stabilization system under the FDF contract were delayed until the new MPT system was fully operational and proven and more recently the contractor has experienced delays with submittal preparation and compliance.
- Integration of the existing lime stabilization system controls into the new FDF system revealed unforeseen control issues that required correction.
- FDF contractor delays in delivering service manuals and training will push administrative closure through November of 2016.
- In late February of 2016 the Combustion turbine generators installed under the CHP contract were revealed to have a design defect that affected performance delaying acceptance testing.

Future Supplemental Agreement Scope:

N/A

PROCUREMENT INFORMATION

Contract Type:	Cost Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Services	Contract Number:	DCFA #429-WSA
Contractor Market:	Open Market		

BUDGET INFORMATION

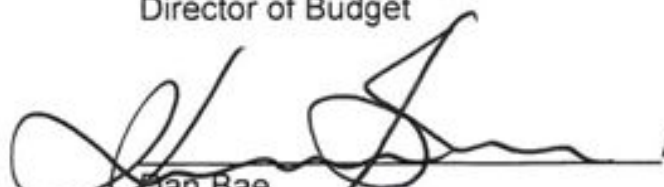
Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Wastewater	Department Head:	Liliana Maldonado
Project:	XA		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	41.22%	\$809,561.00
Washington Suburban Sanitary Commission	45.84%	\$900,298.00
Fairfax County	8.38%	\$164,583.00
Loudoun County & Potomac Interceptor	4.56%	\$89,558.00
Total Estimated Dollar Amount	100.00%	\$1,964,000.00

 4-13-16
 Gail Alexander-Reeves
 Director of Budget
 Date

 4-12-16
 Leonard R. Benson
 Chief Engineer
 Date

 4/14/16
 Dan Bae
 Director of Procurement
 Date

 4-26-16
 George S. Hawkins
 General Manager
 Date

Presented and Adopted: May 5, 2016

SUBJECT: Approval to Execute a Contract Modification to Contract No. WAS-09-012-AA-GA, M&M Electric Motor Repair, Inc.

**#16-35
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 May 5, 2016 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute a Contract Modification to Contract No. WAS-09-012-AA-GA, M&M Electric Motor Repair, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute a Contract Modification to Contract No. WAS-09-012-AA-GA, M&M Electric Motor Repair, Inc. The purpose of the modification is to add additional funding to repair and/or rehabilitate the Virginia & New Hampshire, 1st & Canal, 3rd & Constitution and main stormwater pumping and pump stations. The contract modification amount is \$447,431.

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

**Repair of Industrial Pumps
(Joint Use)**

Approval to execute contract modification to add additional funding for the industrial pump repair contract in the amount of \$447,431.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: M & M Electric Motor Repair, Inc. 205 Bucheimer Road Frederick, Maryland 21701 (LSBE)	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$610,000.00
Original Contract Dates:	04-23-2009 – 04-22-2010
No. of Option Years in Contract:	4
Option Year 1 Value:	\$610,000.00
Option Year 1 Dates:	06-22-2010 – 6-21-2011
Option Year 2 Value:	\$500,000.00
Option Year 2 Dates:	6-22-2011 – 06-21-2012
Option Year 3 Value:	\$297,873.00
Option Year 3 Dates:	06-22-2012 – 6-21-2013
Option Year 4 Value:	\$625,000.00
Option Year 4 Dates:	06-22-2013 – 6-21-2014
Modification Values:	\$3,054,140.12
Modification Dates:	10-01-2009 – 07-31-2016
This Modification Value:	\$447,431.00
This Modification Dates:	05-09-2016 – 07-31-2016

Purpose of the Contract:

To contract for services to repair and maintain various large industrial pumps for the District of Columbia Water and Sewer Authority's (DC Water) Departments of Maintenance Services (DMS) and Distribution & Conveyance Systems (DDCS).

Contract Scope:

To provide all labor, materials, tools, equipment, and transportation necessary to repair, replace, or rebuild pumping equipment at DC Water's water and wastewater facilities.

Reason for the Change:

The Department of Distribution & Conveyance Systems requires additional funding to repair and/or rehabilitate the Virginia & New Hampshire, 1st & Canal, 3rd & Constitution and Main stormwater pumping and pump stations.

Spending Previous Year:

Cumulative Contract Value:	04-23-2009 to 07-31-2016: \$5,697,013.12
Cumulative Contract Spending:	04-23-2009 to 04-06-2016: \$5,224,264.29

Contractor's Past Performance:

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

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Best Value
Commodity:	Services	Contract Number:	WAS-09-012-AA-GA
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		


BUDGET INFORMATION

Funding:	Capital	Department:	Distribution & Conveyance Systems
Project Areas:	HB, HA and EQP4210	Department Head:	Charles Sweeney

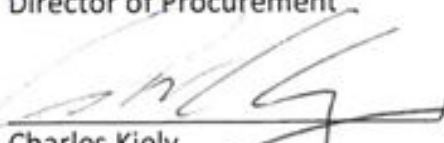
User - HA	Share %	Dollar Amount
District of Columbia	100%	\$97,431.00
Washington Suburban Sanitary Commission	0%	\$0.00
Fairfax County	0%	\$0.00
Loudoun Water	0%	\$0.00
Other (PI)	0%	\$0.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$97,431.00

User - HB	Share %	Dollar Amount
District of Columbia	41.22%	\$123,660.00
Washington Suburban Sanitary Commission	45.84%	\$137,520.00
Fairfax County	8.38%	\$25,140.00
Loudoun Water	3.73%	\$11,190.00
Other (PI)	0.83%	\$2,490.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$300,000.00

User - EQP4210	Share %	Dollar Amount
District of Columbia	41.54%	\$20,770.00
Washington Suburban Sanitary Commission	45.26%	\$22,630.00
Fairfax County	8.64%	\$4,320.00
Loudoun Water	3.75%	\$1,875.00
Other (PI)	0.81%	\$405.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$50,000.00


 Gail Alexander-Reeves
 Director of Budget
 Date 4/6/16


 Dan Bae
 Director of Procurement
 Date 3/29/16


 Charles Kiely
 Assistant General Manager,
 Customer Care & Operations
 Date 4/6/16


 George S. Hawkins
 General Manager
 Date 4-26-16

Presented and Adopted: May 5, 2016

**SUBJECT: Approval to Execute Option Year Four of Contract
No. WAS-11-059-AA-RA, Collins Elevator Services, Inc.**

**#16-36
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 May 5, 2016 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Option Year Four of Contract No. WAS-11-059-AA-RA, Collins Elevator Services, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Option Year Four of Contract No. WAS-11-059-AA-RA, Collins Elevator Services, Inc. The purpose of the option is to continue providing elevator maintenance, equipment replacement and repair services to include preventative maintenance repair, replacement and inspection of elevators. The option amount is \$146,668.

This Resolution is effective immediately.

Secretary to the Board of Directors

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEAR

**Elevator Maintenance and Repair Services
(Joint Use)**

Approval to exercise option year four (4) for Elevator Maintenance and Repair Services contract in the amount of \$146,668.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Collins Elevator Services, Inc. 800 Hamlin Street, NE Washington, DC 20017	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$210,160.00
Original Contract Dates:	01-20-2012—01-21-2013
No. of Option Years in Contract:	4
Option Year 1 Value:	\$218,675.00
Option Year 1 Dates:	01-20-2013—01-21-2014
Option Year 2 Value:	\$220,000.00
Option Year 2 Dates:	01-20-2014 – 01-21-2015
Option Year 3 Value:	240,845.00
Option Year 3 Dates:	01-20-2015 – 01-21-2016
Modification Value:	\$80,000.00
Modification Dates:	01-22-2016—05-31-2016
Option Year 4 Value:	\$146,668.00
Option Year 4 Dates:	06-01-2016—01-21-2017

Purpose of the Contract:

To provide the District of Columbia Water and Sewer Authority (DC Water) with elevator maintenance, equipment replacement and repair services to include preventative maintenance repair, replacement and inspection of elevators, wheelchair lifts, commercial lifts and dumbwaiters located in DC Water facilities.

Contract Scope:

The contract provides for the full and complete preventative maintenance, repair, replacement and inspection of elevators (traction and hydraulic), wheelchair and commercial lifts, and dumbwaiters located at DC Water facilities.

Spending Previous Year:

Cumulative Contract Value:	01-20-2012 to 05-31-2016: \$969,680.00
Cumulative Contract Spending:	01-20-2012 to 02-18-2016: \$582,754.24

Contractor's Past Performance:

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

No LBE/LSBE participation.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Best Value
Commodity:	Services	Contract Number:	WAS-11-059-AA-RA
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION

Funding:	Operating	Department:	Facilities
Project Area:	Blue Plains AWTP	Department Head:	Johnnie Walker


ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	41.67%	\$33,336.00
Washington Suburban Sanitary Commission	43.21%	\$34,568.00
Fairfax County	10.45%	\$8,360.00
Loudoun Water	4.02%	\$3,216.00
Other (PI)	0.65%	\$520.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$80,000.00

ESTIMATED USER SHARE INFORMATION

Funding:	Capital	Department:	Facilities
Project Area:	Blue Plains AWTP	Department Head:	Johnnie Walker

User - Capital	Share %	Dollar Amount
District of Columbia	41.54%	\$27,693.06
Washington Suburban Sanitary Commission	45.26%	\$30,173.03
Fairfax County	8.64%	\$5,761.94
Loudoun Water	3.75%	\$2,499.98
Other (PI)	0.81%	\$539.99
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$66,668.00

 3/11/16
 Dan Bae
 Director of Procurement
 Date

 3/11/16
 Gail Alexander-Reeves
 Director of Budget
 Date

 3/11/16
 Rosalind R. Inge
 Assistant General Manager,
 Support Services
 Date

 4-26-16
 George S. Hawkins
 General Manager
 Date

Presented and Adopted: May 5, 2016

**SUBJECT: Approval to Execute Option Year Four of Contract
No. WAS-12-034-AA-CE, Rodgers Brothers Custodial
Services, Inc.**

**#16-37
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 May 5, 2016 upon consideration of a non-joint use matter, decided by a vote of __() in favor and __() opposed to execute Option Year Four of Contract No. WAS-12-034-AA-CE, Rodgers Brothers Custodial Services, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Option Year Four of Contract No. WAS-12-034-AA-CE, Rodgers Brothers Custodial Services, Inc. The purpose of the option is to continue providing sand, gravel, stone, topsoil and concrete aggregate to backfill trenches and other excavated areas. The option amount \$325,000.

This Resolution is effective immediately.

Secretary to the Board of Directors

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEAR

**Sand, Gravel, Stone, Topsoil, and Concrete
(Non-Joint Use)**

Approval to exercise option year four (4) for Sand, Gravel, Stone, Topsoil, and Concrete contract in the amount of \$325,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Rodgers Brothers Custodial Services, Inc. 2230 Lawrence Ave., NE Washington, DC 20018 LSBE	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$365,000.00
Original Contract Dates:	05-30-2012—05-29-2013
No. of Option Years in Contract:	4
Option Year 1 Value:	\$225,000.00
Option Year 1 Dates:	05-30-2013—05-29-2014
Option Year 2 Value:	\$80,000.00
Option Year 2 Dates:	05-30-2014 – 05-29-2015
Option Year 3 Value:	300,000.00
Option Year 3 Dates:	05-30-2015 – 05-29-2016
Option Year 4 Value:	\$325,000.00
Option Year 4 Dates:	05-30-2016—05-29-2017

Purpose of the Contract:

To provide the District of Columbia Water and Sewer Authority (DC Water) with sand, gravel, stone, topsoil and concrete aggregates to backfill trenches and other excavated areas after sewer lateral replacement and other routine sewer maintenance work.

Contract Scope:

The sand, gravel, stone, topsoil and concrete aggregate supplied by this contract provide structural support in the repair, rebuild and replacement of water and sewer lines.

Spending Previous Year:

Cumulative Contract Value:	05-30-2012 to 05-29-2016: \$970,000.00
Cumulative Contract Spending:	05-30-2012 to 04-05-2016: \$776,578.18

Contractor's Past Performance:

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

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Lowest Bidder
Commodity:	Services	Contract Number:	WAS-12-034-AA-CE
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION

Funding:	Operating	Department:	Sewer Services
Project Area:	District Wide	Department Head:	Cuthbert Braveboy

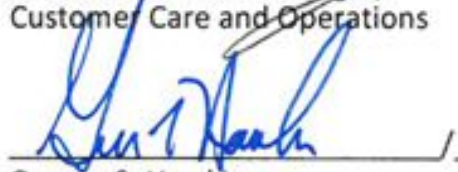
ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	100.00%	\$325,000.00
Washington Suburban Sanitary Commission	0.00%	\$0.00
Fairfax County	0.00%	\$0.00
Loudoun Water	0.00%	\$0.00
Other (PI)	0.00%	\$0.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$325,000.00

 4/8/16
 Gail Alexander-Reeves Date
 Director of Budget

 4/6/16
 Dan Bae Date
 Director of Procurement

 4/7/16
 Charles Kiely Date
 Assistant General Manager,
 Customer Care and Operations

 4-26-16
 George S. Hawkins Date
 General Manager

Presented and Adopted: May 5, 2016
SUBJECT: Approval to Execute Contract No. 130260
Inland Waters Pollution Control, Inc.

#16-38
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 May 5, 2016 upon consideration of a non-joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Contract No. 130260, Inland Waters Pollution Control, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the General Manager to execute Contract No. 130260, Inland Waters Pollution Control, Inc. The purpose of the contract is to clean and line the 51 inch diameter East Side Interceptor Sewer and clean and line or relocate other DC Water sewers inside the United States National Arboretum. The contract amount is \$7,798,842.03

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:

**East Side Interceptor Rehabilitation
(Non-Joint Use)**

Approval to execute a construction contract for \$7,798,842.03

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Inland Waters Pollution Control, Inc. 10,555 Tucker Street Beltsville, MD 20705	S&J Services Hyattsville, MD	MBE 32.3%
	Peer Consultants Washington, DC	WBE 2.4%
	Empire Landscaping, LLC Silver Spring, MD	WBE 3.6%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$7,798,842.03
Contract Time:	925 Days (2 Years, 7 Months)
Anticipated Contract Start Date (NTP):	6-1-2016
Anticipated Contract Completion Date:	12-13-2018
Bid Opening Date:	March 2, 2016
Bids Received:	5
Other Bids Received	
SAK Construction	\$ 7,890,170.00
PAK1, LLC	\$ 9,458,205.00
Pleasants Construction, Inc.	\$ 10,899,000.00
Spinello Company	\$ 10,959,000.00

Purpose of the Contract:

To clean and line the 51 inch diameter East Side Interceptor Sewer and clean and line or relocate other DC Water sewers inside the United States National Arboretum.

Contract Scope:

- Clean and line 3,235 feet of 51 inch diameter sewer, 1775 feet of 10 inch diameter sewer, 545 feet of 12 inch diameter sewer and 405 feet of 15 inch diameter sewer.
- Relocate 690 feet of 15 inch diameter sewer.
- Abandon 9 manholes and construct or re-construct 30 manholes

PROCUREMENT INFORMATION


Contract Type:	Fixed Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	130260
Contractor Market:	Open Market		

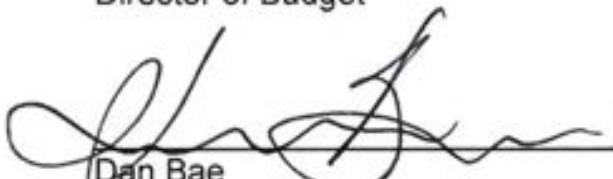
BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Sanitary	Department Head:	Liliana Maldonado
Project:	J3		

***ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100%	\$ 7,798,842.03
Federal Funds	0%	\$
Washington Suburban Sanitary Commission	0%	\$
Fairfax County	0%	\$
Loudoun County & Potomac Interceptor	0%	\$
Total Estimated Dollar Amount	100.00%	\$ 7,798,842.03

 4-13-16
 Gail Alexander-Reeves Date
 Director of Budget

 4/14/16
 Dan Bae Date
 Director of Procurement

 4-12-16
 Leonard R. Benson Date
 Chief Engineer

 4-26-16
 George S. Hawkins Date
 General Manager

Presented and Adopted: May 5, 2016

Subject: Approval for Notice of Final Rulemaking to Establish a New System Availability Fee

**#16-39
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY**

The District members of the Board of Directors (“Board”) of the District of Columbia Water and Sewer Authority (“the DC Water”) at the Board meeting held on May 5, 2016 decided, in a non-joint use matter, by a vote of ____ () in favor and ____ () opposed, to take the following action with respect to the approval for the proposed new System Availability Fee.

WHEREAS, DC Water establishes rates, fees and charges in accordance with its Rate Setting Policy (Board Resolution #11-10), including the recovery of current costs to provide service; and

WHEREAS, on February 24, 2015, DC Water proposed a new Development Impact Fee assessed to new development or redevelopment to recover the investment in available system capacity based on meter size; and

WHEREAS, on February 24, 2015, the DC Retail Water and Sewer Rates Committee met to consider the proposed new Development Impact Fee; and

WHEREAS, the DC Retail Water and Sewer Rates Committee recommended that the Board consider for public comment the proposed new Development Impact Fee schedule for all Residential Customers with meters 1” (inch) and smaller (5/8”, 3/4”, and 1”) and a separate fee schedule for all Residential (with meter sizes greater than 1”), Multi-Family and Non-Residential Customers based on their meter size; and

WHEREAS, DC Water conducted additional analysis in March 2015, which revealed that the fee name, fee business processes, and fee definitions needed additional revisions and therefore did not publish the Development Impact Fee Notice of Proposed Rulemaking in the *D.C. Register*; and

WHEREAS, on December 18, 2015, the General Manager recommended to the DC Retail Water and Sewer Rates Committee to revise the original proposal for the Development Impact Fee now known as the System Availability Fee (SAF), which would add a new subsection 112.11 and definitions in Section 199, to Chapter 1 of the District of Columbia Municipal Regulations; and

WHEREAS, on December 18, 2015, the DC Retail Water and Sewer Rates Committee recommended that the Board consider for public comment the revised proposed rulemaking for a new SAF schedule for all Residential Customers with meters sizes 2” and smaller, and SAF schedule for all Multi-Family and Non-Residential Customers based on their meter size; and

WHEREAS, on January 7, 2016, the Board approved the proposed SAF to be published in the *D.C. Register* (DCR); and

WHEREAS, on January 22, 2016, DC Water published a Notice of Proposed Rulemaking in the *D.C. Register* at 63 DCR 000918 for a 30 day public comment period through February 22, 2016, which if adopted, would establish a new SAF effective April 1, 2016; and

WHEREAS, on February 23, 2016, the DC Retail Water and Sewer Rates Committee met and agreed to extend the SAF public comment period for an additional 15 days through March 11, 2016; and

WHEREAS, on March 4, 2016, DC Water published a Notice of Extension of Public Comment Period for the proposed rulemaking in the *D.C. Register* at 63 DCR 2379 to extend the original 30 day public comment period, scheduled to end on February 22, 2016, to March 11, 2016; and

WHEREAS, on April 26, 2016, the DC Retail Water and Sewer Rates Committee met to consider the comments received during the public comment period, and recommended: to delay the SAF effective date from April 1, 2016 until January 1, 2018; to extend the SAF installment plan period from December 31, 2019 to December 31, 2020; and to extend the inactivity period for properties under renovation or redevelopment that are/have been inactive prior to DC Water’s issuance of the Certificate of Approval from 12 months to 24 months; and

WHEREAS, after consideration of the recommendations of the DC Retail Water and Sewer Rates Committee, the District members of the Board of Directors, upon further consideration and discussion, agree to establish the new System Availability Fee.

NOW THEREFORE BE IT RESOLVED THAT:

1. The Board approves the proposed amendment to the District of Columbia Municipal Regulations to establish the new System Availability Fee to add a new subsection to establish the System Availability Fee (SAF) set forth in section 112 (Fees) of Chapter 1 (Water Supply) of the District of Columbia Municipal Regulations, as follows:
 - 112.11 Effective January 1, 2018, DCRA Construction Permit Applicants and federal facilities shall be assessed a System Availability Fee (SAF) for new water and sewer connections and renovation or redevelopment projects for

existing connections to the District’s potable water and sanitary sewer systems based on the SAF meter size in accordance with the following fee schedule and requirements:

- (a) Residential customers shall be charged a System Availability Fee based on the SAF meter size as listed below:

SAF Meter Size (inches)	Water System Availability Fee	Sewer System Availability Fee	Total System Availability Fee
5/8"	\$ 1,135	\$ 2,809	\$ 3,944
3/4"	\$ 1,135	\$ 2,809	\$ 3,944
1"	\$ 1,135	\$ 2,809	\$ 3,944
1"x1.25"	\$ 2,047	\$ 5,066	\$ 7,113
1.5"	\$ 5,491	\$ 13,591	\$ 19,082
2"	\$ 11,125	\$ 27,536	\$ 38,661

- (b) Multi-Family and all Non-Residential customers shall be charged a System Availability Fee based on the SAF meter size as listed below:

SAF Meter Size (inches)	Water System Availability Fee	Sewer System Availability Fee	Total System Availability Fee
1" or smaller	\$ 1,282	\$ 3,173	\$ 4,455
1"x1.25"	\$ 2,047	\$ 5,066	\$ 7,113
1.5"	\$ 5,491	\$ 13,591	\$ 19,082
2"	\$ 11,125	\$ 27,536	\$ 38,661
3"	\$ 32,500	\$ 80,442	\$ 112,942
4"	\$ 83,388	\$ 206,394	\$ 289,782
6"	\$ 229,246	\$ 567,408	\$ 796,654
8"	\$ 229,246	\$ 567,408	\$ 796,654
8"x2"	\$ 229,246	\$ 567,408	\$ 796,654
8"x4"x1"	\$ 229,246	\$ 567,408	\$ 796,654
10"	\$ 229,246	\$ 567,408	\$ 796,654
12"	\$ 229,246	\$ 567,408	\$ 796,654
16"	\$ 229,246	\$ 567,408	\$ 796,654

- (c) The SAF meter size shall be computed for the peak water demand, excluding fire demand in accordance with DC Construction Codes Supplement, as amended, Chapter 3 (Water Meters) of this title, and DC Water Standard Details and Guideline Masters.
- (d) The System Availability Fee shall be assessed for any new premises, building or structure that requires a metered water service

connection to the District's potable water and/or sanitary sewer systems.

- (e) The System Availability Fee shall be assessed for renovation or redevelopment projects for any premises, building or structure that requires a metered water service connection to the District's potable water and/or sanitary sewer systems.
- (f) For a renovation or redevelopment project on a property that already had/has a DC Water meter(s) and account(s), DC Water shall determine the net System Availability Fee based on the difference between the property's new System Availability Fee determined by the SAF meter size(s) and the System Availability Fee determined by the old meter size(s) for the meters(s) being removed from the system.
- (g) If the net System Availability Fee is zero or less, no System Availability Fee shall be charged.
- (h) If the net System Availability Fee is greater than zero, DC Water shall provide System Availability Fee credits for the removed capacity and assess the net System Availability Fee.
- (i) Properties under renovation or redevelopment shall not receive a System Availability Fee credit for the DC Water account(s) that are/have been inactive during the 24 month period prior to DC Water's issuance of the Certificate of Approval.
- (j) For DCRA Construction Permit applicants, payment of the System Availability Fee shall be a condition for DC Water's issuance of the Certificate of Approval.
- (k) DCRA Construction Permit applicants that submitted plans and specifications to DC Water prior to the effective date of these regulations, shall not be subject to the System Availability Fee provided:
 - (1) The DC Water Engineering Review fee(s) has been paid;
 - (2) The plans, specifications and other information conform to the requirements of the DC Construction Codes Supplement, as amended, and are sufficiently complete to allow DC Water to complete its Engineering Review without substantial changes or revisions; and
 - (3) DC Water issues the Certificate of Approval within one year after the effective date of these regulations.

- (l) For federal facilities, payment of the System Availability Fee shall be a condition of DC Water’s issuance of the Certificate of Approval.
- (m) After the effective date of these regulations to December 31, 2020, the property owner may request to pay the System Availability Fee in four equal installments, with the final payment due on or before one year after the execution date of a Payment Plan Agreement. Execution of a Payment Plan Agreement and payment of the first installment payment, shall be a condition of DC Water’s issuance of the Certificate of Approval.
- (n) In the case that the DCRA Construction Permit is not issued or is revoked or the construction project is abandoned or discontinued, upon written request from the property owner, DC Water shall issue the property owner a refund of the System Availability Fee.

Section 199 is amended by adding the following terms and definitions to read as follows:

Development – the construction of a premises, building or structure that establishes a new water and/or sewer connection.

Redevelopment – the renovation or alteration of a premises, building or structure or reconstruction of a property that increases or decreases the water supply demand or drainage, waste, and vent (DWV) system load. Redevelopment shall not include the up-sizing of a water service or sewer lateral to comply with the D.C. Construction Codes Supplement, provided the water supply demand and DMV system load remain the same.

System Availability Fee – A one-time fee assessed to a property owner of any premises, building or structure to recover the cost of system capacity put in place to serve all metered water service and sanitary sewer connections and renovation or redevelopment projects that require an upsized meter service connection to the District’s potable water system. The fee is assessed based on the peak water demand, excluding fire demand, for new meter water service connection and renovation or redevelopment projects that increase the peak water demand and associated SAF meter size for the property.

2. The General Manager is authorized to take all steps necessary in his judgment and as otherwise required, to initiate the public comment process and shall provide notice of the proposed System Availability Fee in the manner provided by the District of Columbia’s Administrative Procedures.

This resolution shall be effective immediately.

Secretary to the Board of Directors