



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
280th MEETING OF THE BOARD OF DIRECTORS
Thursday, November 4, 2021
9:30 a.m.
via Microsoft Teams**

The board meeting can be live-streamed at <https://dcwater.com/watch-boardmeetings>

- I. **Call to Order (Chairperson Tommy Wells)**
- II. **Roll Call (Linda Manley, Board Secretary)**
- III. **Approval of the October 7, 2021 Meeting Minutes**
- IV. **Chairman's Overview**
- V. **Committee Reports**
 1. **Environmental Quality and Operations Committee (Howard Gibbs)**
 2. **DC Retail Water and Sewer Rates Committee (Rachna Bhatt)**
 3. **Audit Committee (Floyd Holt)**
 4. **Finance and Budget Committee (Anthony Giancola)**
- VI. **Issues of General Interest**
- VII. **CEO/General Manager's Report (David Gadis)**
- VIII. **Contract Summary (FYI)**
- IX. **Consent Items (Joint Use)**
 1. **Approval to Execute Contract No. 200110, Capitol Paving of DC Inc. - Resolution No. 21-90 (Recommended by the Environmental Quality and Operations Committee 10/21/2021)**
 2. **Approval to Execute Contract No. 10068, W.K. Merriman, Inc. - Resolution No. 21-91 (Recommended by the Environmental Quality and Operations Committee 10/21/2021)**
 3. **Approval to Execute Change Order Nos 01, 02, 03 and 04 of Contract No. 190070, HESS Construction & Engineering Services, Inc. - Resolution No. 21- 92 (Recommended by the Environmental Quality and Operations Committee 10/21/2021)**
 4. **Approval to Execute Contract No. DCFA-506B, Hazen and Sawyer, Inc. - Resolution No. 21-93 (Recommended by the Environmental Quality and Operations Committee 10/21/2021)**

5. [Approval to Execute Contract No. DCFA 506A, AECOM Technical Services, Inc. - Resolution No. 21-94](#) (Recommended by the Environmental Quality and Operations Committee 10/21/2021)
6. [Approval to Execute Funding for Task Orders 2 and 3, Contract No. 19-PR-OCEO-24, ARUP-Deloitte – Resolution No. 21-95](#) (Recommended by the Environmental Quality and Operations Committee 10/21/2021)
7. [Approval to Amend Fiscal Year 2022 Capital Disbursement in the FY 2021-2030 Capital Improvement Program – Resolution No. 21-96](#) (Recommended by the Environmental Quality and Operations Committee 10/21/2021 and Finance and Budget Committee 10/28/2021)
8. [Approval of Performance Evaluation, Salary Increase and Bonus for the CEO and General Manager – Resolution No. 21-97](#) (Recommended by the Executive Committee on 9/15/2021)
9. [Approval of the Revised 10-Year Financial Plan for FY 2021-FY 2030 that Reflects FY 2021 Actuals, the Proposed Rates Stabilization Fund Transfer, the Rollover of Unexpended Capital Budget from FY 2021 to FY 2022 and Related Changes - Resolution No. 21-98](#) (Recommended by the Finance and Budget Committee 10/28/2021)
10. [Approval to Transfer \\$5.0 Million Targeted Assistance Funds to the FY 2021 CAP and CAP2 Programs Budget and FY 2022 RAP and MAP Programs Budget; Rollover FY 2021 RAP and MAP Remaining Balance to the FY 2022 RAP and MAP Programs Budget; and Allocate \\$250 Thousand from FY 2021 MSP Balance to the Administrative Costs Budget for the RAP, MAP and CAP Programs for FY 2022 - Resolution No. 21-99](#) (Recommended by the Finance and Budget Committee 10/28/2021)

X. Consent Items Non-Joint Use

1. [Approval to Execute Contract No. 150140, Sagres Construction Corp. - Resolution No. 21-100](#) (Recommended by the Environmental Quality and Operations Committee 10/21/2021)
2. [Approval to Execute Contract No. 180010, Capitol Paving of D.C., Inc., - Resolution No. 21-101](#) (Recommended by the Environmental Quality and Operations Committee 10/21/2021)
3. [Approval to Execute Contract No. 210040, Fort Myer Construction Corporation – Resolution No. 21-102](#), (Recommended by the Environmental Quality and Operations Committee 10/21/2021)

XI. Executive Session

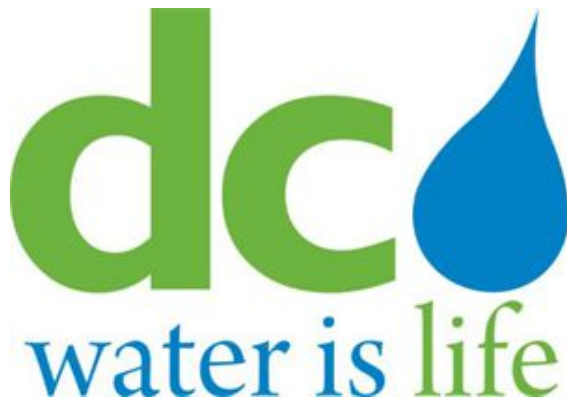
X. Adjournment (Chairperson Tommy Wells)

Upcoming Committee Meetings – (via Microsoft Teams)

- Governance Committee, Wednesday, November 10, 2021 @ 9:00 a.m.
- Human Resource and Labor Relations Committee, Wednesday, November 10, 2021 @ 11:00 a.m.
- DC Retail Water and Sewer Rates Committee – Tuesday, November 16th @ 9:30 a.m.
- Finance and Budget Committee – Thursday, November 16th, 2021 @ 11:00 a.m.
- Environmental Quality and Operations Committee – Thursday, November 18, 2021 @ 9:30 a.m.

Public Hearing on amendments to Section 4102 (Customer Assistances Programs) of Chapter 41 (Retail Water and Sewer Rates and Charges), Thursday, November 10, 2021 @ 6:30 p.m.

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)(2); legal, confidential or privileged matters under D.C. Official Code § 2-575(b)(4)(A); 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); train and develop members of a public body and staff under D.C. Official Codes § 2-575(b)(12); 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.



**District of Columbia
Water and Sewer Authority**

Board of Directors

**Environmental Quality and Operations
Meeting**

Thursday, October 21, 2021

9:30 a.m.

MEETING SUMMARY

Committee Members

Howard Gibbs
Ivan Frishberg
Jared McCarthy

DC Water Staff Present

David Gadis, CEO & General Manager
Kishia Powell, Chief Operating Officer & EVP
Linda Manley, Secretary to the Board
Aklile Tesfaye, VP, Wastewater Operations
Chris Peot, Director, DCW Resource Recovery
Matthew Brown, Chief Financial Officer & EVP
Steve Boerman, Manager, Category Management
Carlton Ray, Director, DC Clean Rivers Project
Seth Charde, Senior Advisor, DC Clean Rivers Project

I. CALL TO ORDER

Mr. Howard Gibbs called the meeting to order at 9:30 a.m. The meeting was conducted via teleconference.

II. ROLL CALL

Ms. Linda Manley, Secretary to the Board, DC Water, conducted a roll call of the Committee members present for the meeting.

III. AWTP STATUS UPDATE

1. BPAWTP PERFORMANCE

Mr. Aklile Tesfaye, VP, Wastewater Operations, DC Water, briefed the Committee on the performance of the Blue Plains Advanced Wastewater Treatment Plant (BPAWTP). Mr. Tesfaye reported that all performance parameters for September were excellent, and all permit requirements were met.

Mr. Tesfaye highlighted the accomplishments of staff in the department of Wastewater Treatment who represented DC Water as part of a research team who were awarded a \$2.2 million grant from the US Department of Energy (DOE). The grant includes a number of research projects focused on developing innovative ideas to integrate data driven process control tools for maximizing energy and resource efficiency in advanced wastewater recovery facilities. The grant

is funded as part of DOEs Water Security Grand Challenge (WSGC) framework, which is initiated by the White House. DC Water will receive funding to retain two PHD graduate students to work on projects that will provide direct value to the Authority. Mr. Tesfaye described some of the projects to be undertaken as part of the grant

Mr. Tesfaye reported that the quality of the plant effluent for September 2021 was excellent, with all effluent parameters well below the seven-day and monthly NPDES permit requirements. In September, a total of 326 million gallons (MG) of combined wet weather flow was captured in the tunnel system and all flow was treated through the Wet Weather Treatment Facility (WWTF). In addition, 262 tons of screenings and grit were removed from the captured flows. For the calendar year through September 2021, over 2.5 billion gallons (BG) of combined wet weather flow has been captured in the tunnel system and 2,600 tons of screenings and grit have been removed. Since commissioning of the tunnel system in 2018, over 12 BG of combined wet weather flow has been captured and over 7,800 tons of screenings and grit have been removed.

Mr. Tesfaye discussed electrical energy use and generation at BPAWTP. For September 2021, 27.8 MW was used at BPAWTP. The total electricity generation for the month was 24.2% of the total use at BPAWTP for the month. The goal is for onsite electricity generation to be a minimum of 20% of the total energy use at BPAWTP.

Mr. Tesfaye reported that biosolids hauling during September 2021 averaged 450 wet tons per day and all 13,492 wet tons of biosolids produced during the month met Class A Exceptional Quality (EQ) requirements required by the EPA. Blue Drop marketed 3,280 wet tons of Bloom during September 2021.

IV. BLOOM UPDATE

Mr. Chris Peot, Director, DCW Resource Recovery, DC Water briefed the Committee on Bloom and DC Water's biosolids program. It was noted that the presentation does not directly address the Sierra Club report however, an in-depth presentation on the report will be provided at a future committee meeting.

Mr. Peot reported that DC Water used to produce a Class B product as part of the biosolids program. The program produced up to 1,200 tons per day of lime stabilized material but there weren't many options for disposal of the material – DC Water didn't hold any permits for the land application of the product and were reliant on contractors who were driving up the price of the material. Whilst the biosolids program was successful, it was becoming expensive to run. A decision was taken to install Cambi thermal hydrolysis ahead of the digesters in the production process to start producing a Class A product. By improving the quality of the material produced, the biosolids program could become more reliable and sustainable. Bloom is the Class A product now produced by the biosolids program. As the demand is increasing, various types of Bloom are being produced to cater to more diverse markets. With the Class B product, DC Water use to receive numerous complaints related to the odor of the product. With the production of the Class A product, zero odor complaints have been received for 2020 and through 2021 to date.

Mr. Peot described the various Bloom product produced. It was noted that a custom Blended Product is made for the architects of the National Mall, who use it at various locations across the mall. An on-site blending facility was constructed for production and storage of the Blended Products. All the work is done on site and the facility operates at capacity. Bloom customers have increased from a single customer in 2016 to multiple customers at present.

Mr. Peot reported that demand for Bloom is increasing. In 2016 approximately 900 wet tons were sold and in 2021, over 45,000 wet tons have been sold to date. The program continues to implement aggressive goals for the sale of Bloom. Mr. Peot discussed some of the challenges the program is facing including process capacity issues and weather issues – during wet weather it is difficult to deliver product to farms and field pads have been purchased to help with this. In addition, work is being done to change the soil specifications for DDOT construction projects to allow the use of biosolids products.

Mr. Peot reported that the annual budget for the biosolids program has dropped from \$19 million in 2014 to \$4.8 million in 2021. The decrease in budget is a result of the reduction in volume of biosolids produced by the program due to the use of digestion processes.

V. PROPOSED REVISIONS TO FY2022 CAPITAL BUDGET

Mr. Matthew Brown, Chief Financial Officer & EVP, DC Water, briefed the Committee on proposed amendments to the FY2022 Capital Improvement Program (CIP) budget based on updated forecasts for capital programs.

Mr. Brown noted that with implementation of the Enterprise Resource Planning (ERP) project, DC Water adopted best practices to enhance the capital budget administration and align annual spending limits with the Board-approved financial plan and rates. As part of the changes, the Board adopted the establishment of a contingency reserve within the financial plan. For FY2021 a budgeted contingency reserve of five percent of the budget was adopted and for FY2022 a contingency of ten percent was adopted. It was noted that much of the contingency for FY2022 has been allocated to advance the Lead-Free DC program. The remaining balance of the contingency for FY2022 is meant to help manage CIP projects as they progress.

Mr. Brown discussed amendments to the FY2022 CIP budget that have previously been adopted by the Board, noting that the budget has been increased by \$40.53 million (\$36.03 million for the Lead-Free DC program and \$4.5 million for the purchase of Capital Equipment). Mr. Brown reported that actual spending for FY2021 was under budget by \$101.1 million and noted that management are seeking approval to carry over \$50.8 million from the FY2021 budget to the FY2022 budget. If approved, the FY2022 budget would be increased from \$516.7 million to \$567.5 million. Mr. Brown presented a breakdown of the budget request by Service Area and noted that no changes will be made to the overall Board-adopted CIP budget of \$5.4 billion.

The Committee asked how much of the budget is typically rolled over in each fiscal year. Mr. Brown clarified that the rollover of the budget has emanated from the new budget controls adopted with the ERP project and is a fairly new process. The Committee commented that it will be interesting to see what the budget roll over looks like year on year in future fiscal years.

The Committee asked if this budget amendment will be required to be approved by Congress through the District of Columbia's Budget. Mr. Brown clarified that Congress approval is not required as the proposed amendments do not affect the lifetime CIP budget.

The Committee recommended the Action Item be advanced to the full Board.

VI. ACTION ITEMS

JOINT USE

1. Contract No.: 10068 - Calcium Hydroxide, W.K. Merriman, Inc.

The Committee enquired why other bidders opted not to respond to the solicitation. Mr. Boerman responded that one bidder felt they couldn't be competitive, and the other non-bidder would have used the responsive bidder as a source of supply for the contract and therefore opted not to respond to the solicitation.

2. Contract No.: 19-PR-OCEO-24 - Strategic Planning Advisory Services, ARUP-Deloitte
3. Contract No.: 200110 – Public Space Restoration Contract, Capitol Paving of D.C., Inc.
4. Contract No.: DCFA 506A - Construction Management for Water & Sewer System Infrastructure (Basic Ordering Agreement), AECOM Technical Services, Inc.
5. Contract No.: DCFA 506B - Construction Management for Water & Sewer System Infrastructure (Basic Ordering Agreement), Hazen and Sawyer, Inc.

The Committee noted that there is a sub-consultant recommended for contracts on both Actions Items 4 and 5. The Committee enquired if steps will be taken to ensure the sub-consultant is not overloaded and performs as expected on both contracts. Ms. Powell responded that oversight of the sub-consultant will be the responsibility of the prime consultant and DC Water project managers will monitor performance of the construction management teams to ensure that all teams are fulfilling all the required responsibilities.

Mr. Rudy Gonzalez, Director of Procurement, Capital Programs, DC Water noted that the contracts for construction management services were awarded as a single contract in previous years, whereas now they are recommended to be issued as two separate contracts.

6. Contract No.: 190070 - DC Water Fleet Maintenance Facility, Hess Construction & Engineering

The Committee asked about the ownership of the property, land acquisition processes and whether this issue was known during the planning of the project. Mr. Mark Babbitt, Acting Director, Engineering and Technical Services, DC Water responded that at the time of land purchase, the property records indicated that the site was a clean landfill site. The geotechnical report for the site indicated that the site was filled with good material, however during excavation activities, material on the site was found to be hazardous containing wood debris and oily substances that had to be removed.

The Committee asked whether an environmental review was conducted at the time of land acquisition, noting that this review is typically required by the lender at the time of purchase. Mr. Babbitt was not aware of any environmental review or associated documents. It was noted that geotechnical borings were taken at the site and that the boring logs in the geotechnical report indicated some asphalt debris might be present on one part of the site, however the report did not address this. Ms. Powell noted that the project is related to the omnibus agreement with the developer for DC Water's headquarters and O St construction projects. It was noted that a more extensive briefing on this agreement, process and project needs to be presented to the Board. DC Water's legal team are engaged in discussions with the contractor for the Fleet Facility project.

Mr. Babbitt noted that an additional negotiation with the contractor for the Fleet Facility project is pending due to material price increases and increasing material storage costs resulting from the delay in the schedule for the project. The Committee noted that a discussion at a future Executive Session should be held on this topic.

The Committee agreed to move the action item forward but concerns about land acquisition and due diligence processes were noted.

Mr. Steve Boerman, Manager, Category Management, DC Water, presented joint use action items 1 & 2. Ms. Kishia Powell, Chief Operating Officer & EVP, DC Water, presented action items 3 through 6.

NON-JOINT USE

1. Contract No.: 210040 - Division RC-B – Rock Creek Project B (Green Infrastructure), Fort Myer Construction Corporation
2. Contract No.: 180010 - Small Diameter Water Main Replacement 15A, Capitol Paving of D.C., Inc.
3. Contract No.: 150140 - Constitution Avenue Area - Water Main Replacement, Sagres Construction Corp.

Ms. Kishia Powell, Chief Operating Officer & EVP, DC Water, presented all non-joint use action items.

The Committee recommended all Joint Use and Non-Joint Use Action Items to the full Board.

VII. DCCR: ROCK CREEK PROJECT B - GI

Mr. Carlton Ray, Director, DC Clean Rivers Project, DC Water, briefed the Committee on the costs per acre to construct the GI projects and the mechanisms used to determine the effectiveness of the projects. The presentation was in response to questions raised by the Committee at the previous meeting. Mr. Ray reported that a practicability assessment was conducted in 2020 to evaluate the effectiveness and cost of GI projects as part of the modifications to the Consent Decree. In the assessment report, the costs for the Rock Creek Project A and Potomac Project A GI projects were reviewed and it was found that the construction cost per acre managed reduced from \$954,000 for Rock Creek project A to \$654,000 for Potomac Project A. The assessment further concluded that construction cost per acre managed can be reduced to \$600,000, this estimate is for construction in a city. It was noted that costs for the Rock Creek Project B GI project are proposed to be \$628,000/acre managed and are consistent with costs noted in the assessment.

Mr. Ray discussed the methods used to manage costs on these projects, noting that project and facility locations is a key driver of costs. Project locations are reconsidered when public utilities are affected or need to be relocated, as they drive up project's costs. Additionally, project locations with tree conflicts, significant site restoration requirements and alleys in poor conditions are avoided as they also increase project costs. It was noted that the geometry of GI facilities is optimized to achieve increased volume retention in a reduced project footprint as a means to better manage costs. It was also noted that Alley and Bioretention facility design has been standardized which has made permitting with DDOT and DOEE less onerous and simplified construction for contractors. In addition, contractor familiarity with the projects has increased which has helped to manage the overall costs.

Mr. Seth Charde Senior Advisor, DC Clean Rivers Project discussed methods used to measure effectiveness of constructed GI facilities. Infiltration tests and drawdown tests are conducted on

permeable pavement and bioretention facilities following handover of facilities from the contractors. As part of the requirements of the Consent Decree, post construction monitoring is conducted during rainfall events. Data from water level monitors installed in the facilities is reviewed and correlated to rainfall data to verify performance of the facilities. The data is compiled into a report which is submitted to the EPA.

Mr. Charde noted that visual inspections of the GI facilities are conducted monthly, quarterly and annually to monitor performance of the facilities. The inspections look for potential sedimentation issues, clogging issues and verification that filling and drainage activities are occurring as intended. The facilities are required to undergo annual maintenance, additional functional testing is conducted after annual maintenance is completed at each facility. In addition, long-term CSO Outfall flow monitoring is conducted to ensure performance after all green and gray controls are constructed.

The Committee thanked Mr. Carlton Ray for his service to DC Water and the DC Water Clean Rivers Program. Committee members thanked Mr. Ray for the contributions he has made to DC Water and to the Committee in his leadership of the Clean Rivers Program. Ms. Kishia Powell thanked Mr. Ray for his longstanding contributions to DC Water, noting that he will be sorely missed.

The Committee announced that Mr. Adam Ortiz will be leaving the Committee and joining the EPA. The Committee thanked Mr. Ortiz for his contributions to DC Water and the Committee.

VIII. OTHER BUSINESS / EMERGING ISSUES

None.

IX. EXECUTIVE SESSION

No Executive Session Held.

X. ADJOURNMENT

Meeting was adjourned at 10:54 a.m.

Follow-Up Items

1. Mr. Peot will provide an in-depth presentation to the Committee on Bloom and the Sierra Club report at a future committee meeting.
2. Executive Session to be held by the Board to discuss the Fleet Maintenance Facility Construction contract and related change orders.



**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**

Board of Directors

DC Retail Water and Sewer Rates Committee

Tuesday, October 26, 2021

9:30 a.m.

MEETING MINUTES

Committee Members Via Teleconference

Rachna Bhatt, Chairperson
Tommy Wells, Chairman
Howard Gibbs
Anthony Giancola
Jed Ross
David Franco
Ivan Frishberg

DC Water Staff Via Teleconference

David L. Gadis, CEO/General Manager
Matthew Brown, CFO/EVP, Finance & Procurement
Kishia Powell, COO/EVP
Marc Battle, EVP, Office of Legal Affairs
Linda Manley, Secretary to the Board
Ivan Boykin, Director, Finance
Meisha D. Lorick, Acting Director, Customer Care

Call to Order

Chairperson Rachna Bhatt convened the meeting at 9:30 a.m.

Roll Call

Linda Manley, Board Secretary conducted a roll call of the Committee members.

Monthly Report to DC Retail Water & Sewer Rates Committee (Attachment A)

Mr. Brown, CFO/EVP Finance and Procurement began a review of the monthly revenue report. He stated that FY 2021 revenues were \$24.2 million below budget after the application of the \$2.5 million from the Rate Stabilization Fund.

Mr. Brown mentioned that the category with the largest revenue shortfall was the Residential, Commercial and Multi-family category.

Mr. Brown CFO/EVP also provided an update on the delinquencies 90 days from the bill date. He mentioned that the delinquencies at the end of FY 2021 are \$26.3 million, which was a slight improvement from the \$26.4 million in August 2021. He noted that the delinquent accounts represent about 10.1 percent of the total accounts, which was also improved compared to the 11.0 percent in August 2021.

Proposed Revised Financial Plan Update (Attachment B)

Mr. Ivan Boykin, Director of Finance noted that the purpose of the presentation is to seek the Committee's recommendation to the Board of a Revised Financial Plan that includes a transfer from the Rate Stabilization Fund (RSF) to meet the new Board policy of 250 Days of Cash on Hand, the rollover of unexpended capital budget from FY 2021 to FY 2022, and related changes.

Mr. Boykin stated that the \$41.6 million is the FY2022 amount needed to be transferred from the Rate Stabilization Fund (RSF) to the cash balance to meet the new Financial Policy of 250 Days of Cash on Hand. He explained that the cash reserves include the following: \$35 million in the Renewal and Replacement Fund; 60 days of operating expenditures in the "Operating Reserve Fund"; and Additional cash necessary to meet the 250 Days of Cash requirement.

Next, he reviewed the additional Financial Plan changes including the proposed \$50.8 million rollover of unexpended capital budget and the FY2022 bond issuance projected at \$400 million.

DC Water Cares Program Progress Update (Attachment C)

Meisha Lorick, Acting Director of Customer Service provided an overview of several customer assistance programs offered by DC Water. Ms. Lorick stated that the participation and benefit amounts provided to customers have increased over the years. She mentioned that there is also \$5.3 million unexpended in the FY 2021 RAP and MAP programs.

Ms. Lorick explained that of the 4,990 customers enrolled in CAP and CAP2 in FY 2021, 64% of these accounts also received emergency assistance (RAP, CRIAC-ERRP and/or STAY DC) to cover outstanding balances. She furthered that 24% of the customers received relief benefits in FY 2021 exceeding \$1,000.

Ms. Lorick described the new, federally funded program, LIHWAP, which was carved out of the Consolidated Appropriations Act, 2021 and the American Rescue Plan Act (ARP) of 2021. She indicated that Department of Energy & Environment (DOEE) will administer the program allocation, totaling \$2.4 million. The program will provide one-time emergency assistance for certain priority groups. She mentioned that eligibility is 60 percent state median income which aligns with CAP income requirements. Ms. Lorick indicated that the LIHWAP benefit calculation will be the greater of the customer's past due balance, 25% of annual their bills or \$250, but the benefit would not exceed \$5,000 per account per fiscal year. She furthered that the proposed program would start in November 2021.

Ms. Lorick explained that DC Water has been strategizing how to reach additional customers that may be eligible for assistance but have not taken the opportunity to apply. DC Water engaged Raftelis who compared DC Water residential population including those already on assistance to Census tract data to determine additional opportunities for outreach. She indicated that the spatial analysis by census tract for residential customer will aid in prioritizing a listing of accounts with arrears to contact. She furthered, that as of September 2021, there were 5,183 accounts in 67 census tracts with median income below \$70,600: representing \$5,064,234 in arrears that are assumed to be low-income households.

Ms. Lorick updated the Retail Rates Committee on the forthcoming recommendation to the Finance and Budget Committee to allocate in FY 2022 the unspent FY 2021 RAP and MAP rollover amount of \$5.3 million and the FY 2022 Targeted Assistance Fund of \$5.0 million. The recommendation would be offered to the Finance and Budget Committee on October 28, 2021, for final approval of the full Board.

Action Item (Attachment D)

The Committee recommended for Board approval of the 10-year Financial Plan for FY2021-FY2030 that reflects FY2021 actuals, the proposed Rate Stabilization Fund transfer and rollover of unexpended capital budget from FY2021 to FY2022 (Action Item 1)

DC Retail Water Sewer Rates Committee Proposed Workplan (Attachment E)

Mr. Brown, CFO/EVP Finance and Procurement briefed the Committee on the FY 2022 Proposed Workplan.

Adjournment

Chairperson Bhatt adjourned the meeting at 10:18 a.m.

FOLLOW-UP ITEMS – DC Retail Water and Sewer Rates Committee Meeting (October 26, 2021)

Anthony Giancola requested to see charts of DC Water being compared to other utilities across the nation



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

Board of Directors

Audit Committee

Thursday, October 28, 2021

9:30 a.m.

Meeting Minutes

COMMITTEE MEMBERS PRESENT

Floyd Holt, Committee Chairman
Anthony Giancola, Committee Vice-Chair
Howard Gibbs, Committee Member
Steven Shofar, Committee Member
Jed Ross, Committee Member

DC WATER STAFF PRESENT

David Gadis, CEO
Wayne Griffith, EVP Performance
Matt Brown, EVP Finance & Procurement
Marc Battle, EVP Legal Affairs
Linda Manley, Secretary to the Board

INTERNAL AUDIT STAFF PRESENT

Dan Whelan, RSM US LLP
Jill Reyes, RSM US LLP
Sophie Tomeo, RSM US LLP
Stephanie McKee, RSM US LLP

Call to Order (Item 1)

Mr. Anthony Giancola called the Audit Committee meeting to order at 9:30 AM.

Roll Call (Item 2)

Ms. Linda Manley took roll call of Audit Committee and DC Water staff in attendance.

Proposed Recommendation for Committee Name Change (Item 3)

Mr. Wayne Griffith presented a recommendation from management to expand the name of the Audit Committee to the Audit and Risk Committee. He explained that this modification will expand the current responsibilities of the Committee to include enterprise risk management oversight. Mr. Griffith stated that historically the organization has functioned as siloed and independent business units. Specifically, risk management has typically been handled independently within the various business units. Management is proposing to create a cohesive approach to increase collaboration and coordination regarding how the Authority responds to risks across the enterprise. The Authority is in the process of developing an enterprise risk management approach for the organization. Mr. Griffith explained that at a high-level this approach would involve identifying,

assessing, managing, monitoring, and ultimately reporting on aspects of risks at an enterprise-level. Management will be responsible for managing, delivering and reporting on this function to the proposed Audit and Risk Committee. He informed the Committee that following their approval, the Audit Committee would make a recommendation to the Governance Committee for the name change. The Governance Committee, if agreed upon, would consider the recommendation, and advance it to the full Board.

Mr. Anthony Giancola stated that it appears the Authority doesn't have centralized coordination for audit functions at the Authority currently. Mr. Griffith confirmed that risk monitoring and auditing will be a coordinated effort between the Strategy & Performance team and Internal Audit going forward. Mr. Giancola also inquired whether this change in structure would require additional staff members to assist in the coordination. Mr. Griffith replied that it is premature at this point to conclude on resource needs, as management is still in the process of developing the framework and determining what needs may arise.

Mr. Jed Ross inquired on the reporting and monitoring structure for the proposed enterprise risk management function. Mr. Wayne Griffith shared that a third-party consultant has been selected to assist with the initial build out of the enterprise risk management framework. He clarified that the third party is a separate entity from RSM, and the selected firm and contract was reviewed by the EQ & Ops Committee and will be brought to the Board for approval next week.

Mr. Ross concluded stating that he is in favor of the name change and the introduction of an enterprise risk management function. He shared that the Authority doesn't need significant outside consultant support as long as the Authority's employees have the capacity to do the work to conduct change management internally. After the initial investment, the program can organically grow into a sophisticated function over time.

Mr. Dan Whelan added that the Internal Audit team plans to assist with the development and implementation of the enterprise risk management program through providing input on risks already identified. Additionally, Internal Audit can later audit the program while maintaining their independence as internal auditors. Mr. Whelan confirmed that Internal Audit's risk register is being provided to the firm that has been contracted for enterprise risk management development as a starting point for their determination of risks facing the organization that will need to be addressed.

Mr. Floyd Holt proceeded to ask the Committee if it was their recommendation that the name change be advanced to the Governance Committee with a recommendation for consideration. The Committee members all agreed with no opposition.

Internal Audit Update (Item 4)

Mr. Dan Whelan presented the agenda items stating that internal audit will review the FY21 internal audit plan status and provide an update on audits that have been completed

in the past cycle. Mr. Whelan stated that one of these audits would be discussed within the open session and one would be covered in the executive session. He concluded that the internal audit team will provide a status update on prior audit findings and a hotline update, prior to discussing the results of the FY22 risk assessment process and the resulting proposed Audit Plan.

Mr. Dan Whelan explained that all audits on the FY21 Audit plan have been completed, with the exception of the strategic plan monitoring audit which has been deferred to FY22 as discussed in last quarter's Committee meeting. Both the PCS Review and the Materials Management audit will be reported in today's session.

Ms. Sophie Tomeo shared the open high-risk audit findings dashboard. Most of the high-risk audit findings have not had target date extensions since the last Committee meeting. She explained that the target date for the finding related to the enterprise work order management for the Department of Water Operations has been extended since last quarter's Committee meeting due to a delay in user acceptance testing of the application under development to facilitate data entry for crews in the field. The user acceptance testing and training on the application is now underway and is intended to go live December 3rd. Ms. Sophie Tomeo transitioned to the next high-risk item that was extended since the last Committee meeting. Travel policy updates were initially put on hold and de-prioritized during the pandemic due to the lack of travel. Since then, the draft policy has been completed, and the formal policy is expected to be finalized and signed next week.

Ms. Tomeo detailed that of all audit findings identified prior to FY20, there are nine open and three that are closed pending validation. Ms. Tomeo informed the Committee that 93% of all findings from FY16 to FY19 have been closed. For audit findings identified in FY20, six remain open and 31 are now closed.

Ms. Stephanie McKee proceeded to discuss the scope of the materials management audit. The purpose of the review was to evaluate the materials management operations and inventory control environments. Internal audit conducted a review of policies, procedures and SOPs to gain understanding of the process as a whole. The Internal Audit team also gained an understanding of any changes that have been implemented as a result of the Oracle implementation. Ms. McKee explained that the materials management team utilizes both Maximo and Oracle to fulfill their duties. Order requests are tracked through Maximo via its automated workflow and Oracle is used to track inventory levels. Ms. McKee noted that there was one low risk finding as a result of this audit, which is included in the full report. Ms. Sophie Tomeo added that the last time Internal Audit reviewed the materials management process in FY17 there were four findings, one of which was high risk. There have been major improvements within the materials management processes since the FY17 review due to resolving prior audit findings and overcoming challenges that were introduced during the pandemic, as well as the transition to and leveraging of the Oracle financial system. A new cycle count process

has been put in place to better identify variances and provide more accurate inventory counts. Additionally, a number of controls that were previously manual were automated within the Oracle system. Ms. Tomeo commended Scott Perry and his materials management team for their enhancements of the process and thorough remediation of prior audit findings, as well as their ability to adapt to the ever-changing environment over the past couple years.

Ms. Jill Reyes then provided a hotline update, informing the Committee that there have been no hotline calls since the last Audit Committee meeting and there are no cases currently under investigation. There has been no hotline activity for the past several quarters, so Internal Audit plans to revisit the standard operating procedure with management and the Legal team to confirm the current process is operating effectively.

Ms. Reyes moved forward with discussing the FY22 risk assessment. Ms. Reyes shared that every year internal audit conducts a risk assessment and she informed the Committee that this assessment is different than the enterprise risk management function that will be rolling out in the coming months. Ms. Reyes provided an overview of the process, stating 28 members of management and the Board were interviewed this year. A survey was distributed to all of the Board members of which Internal Audit received nine responses. Additionally, the team revisits past risks, reviews open audit findings, reviews strategic imperatives, and compiles an updated risk register. Internal Audit references both the impact and likelihood level of risks to create the proposed Audit Plan.

Ms. Tomeo presented the top nine risk themes that were brought up throughout the risk assessment interviews and Board survey results. She then presented summarized results of the Board survey, sharing the top four Blueprint 2.0 imperatives identified by survey respondents, as well as the areas in which the Board felt the Authority has the highest degree of exposure.

Ms. Tomeo then reminded the Committee of the different types of audits that Internal Audit conducts. Cycle audits are built into the Audit Plan at a specified frequency based on highly transactional processes that have elevated risk exposure across the industry. Ad hoc audits are identified to review the control environment over specific process areas that emerge as elevated risk areas during risk assessments, and management assessments leverage Internal Audit's expertise to identify process improvements, best practices, and inform future strategic decision-making. Management assessments do not typically result in risk-rated observations. Ms. Tomeo then shared that Internal Audit continues to embrace new technology and innovation in their scoping and fieldwork and will bring new tools to the Plan this year such as process intelligence.

Ms. Tomeo presented Internal Audit's proposed Audit Plan for FY22. The plan included six cycle audits, one ad hoc audit and four management assessments. The full proposed plan includes: Accounts Payable Audit, Expenditures Analytics Assessment, Supply

Chain Assessment, Physical Security Audit (HQO), Physical Security Audit (Ft. Reno), Work Order Management Audit (DSO), Contract Compliance Audit (Engineering), Employee Retention Assessment, Incident Response Tabletop Audit, Cyber Threat Intelligence Program Development Assistance, Strategic Plan Monitoring Audit, Hotline Case Management, Ongoing Remediation & Follow-up, and FY23 Risk Assessment. Ms. Tomeo provided an in-depth justification for each proposed project prior to concluding her presentation. The Committee concurred with the proposed FY22 Audit Plan.

Executive Session (Item 5)

There was a motion to move into Executive Session to discuss legal, confidential, and privileged matters pursuant to Section 2-575(b)(11) of the D.C. Official Code. It was so moved and seconded, and motion carried. The meeting was cleared of non-Executive members and all public individuals. The Audit Committee went into Executive Section at approximately 10:33 AM.

Adjournment (Item 6)

The Audit Committee meeting adjourned at 10:47 AM.



**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**

Board of Directors

Finance and Budget Committee

Thursday, October 28, 2021

11:00 a.m.

MEETING MINUTES VIA MICROSOFT TEAMS

Committee Members

Anthony Giancola, Chairperson
David Franco
Sarah Motsch
Jared McCarthy

DC Water Staff

David Gadis, CEO & General Manager
Matthew T. Brown, CFO & EVP, Finance and Procurement
Kishia Powell, Chief Operating Officer, & EVP
Ivan Boykin, Director, Finance
Meisha Lorick, Acting Director, Customer Care
Paul Guttridge, Director, CIP Infrastructure Management
Linda Manley, Secretary to the Board

Call to Order

Chairperson Anthony Giancola called the meeting to order at 11:00 a.m.

September 2021 Financial Report

Mr. Matthew Brown, CFO & Executive Vice President, Finance and Procurement, provided the monthly financial report by exception. The year-end revenues were below budget by \$24.2 million, within the projection that revenue could be as much as \$45 million below budget, and operating expenditures and capital disbursements were within the budget. At the end of September 2021, operating revenues were \$709.6 million, or 96.7 percent of budget, operating expenditures were \$597.9 million, or 93.0 percent of budget, and capital disbursements were \$370.1 million, or 78.5 percent of budget. He noted that the year-end financial results are preliminary estimates and subject to change based on results of the financial audit.

Mr. Brown explained that the total operating revenue receipts of \$709.6 million were \$24.2 million below budget, mainly because of shortfalls in the Residential Commercial, and Multi-Family category, due to declining consumption and increase in customer delinquencies because of the pandemic. He provided additional information on the various revenue categories.

Total operating expenditures were \$597.9 million, or 93.0 percent of budget, which is \$44.7 million below budget. He noted that final preliminary result were consistent with prior reports, with areas of underspending in all categories, with the exception for capital labor. Operating expenditures were favorable as a result of the proactive spending restrictions adopted by management to curtail and align expenses with reduced revenue.

Mr. Brown reported that the total capital disbursements were at \$370.1 million, or 78.5 percent of the FY 2021 budget, which is \$101 million underspending, and staff will request to rollover approximately half into the next fiscal year. Detailed performance on the overall capital projects will be provided to the Committee next month.

Operating Cash Balance, including the Rate Stabilization Fund (RSF), ended the year at \$285 million. Mr. Brown informed the Committee that staff will recommend transferring a portion of the RSF balance over to cash balance to maintain 250 Days of Cash on Hand. He noted that there is \$150 million of unexpended bond proceeds and staff is currently working on a bond issuance to issue \$400 million of debt at the beginning of the next calendar year. He highlighted that the delinquent accounts were at \$26.3 million and consisted of 10.1 percent of total customers at the end of the fiscal year.

Proposed Revision to the FY 2022 Capital Budget

Mr. Brown presented an overview of management's proposal for revisions to the Board-amended FY 2022 Capital Budget based on updated forecasts for capital programs, offset by FY 2021 underspending. He reviewed the budget cycle process for the capital program, wherein the Board approves the annual allotments in the ten-year plan, aggregate disbursement for the ten-year period and approves the lifetime amount for the projects.

Next, Mr. Brown reviewed the capital contingency reserve and annual spending controls for the capital program. He noted that with the implementation of the new Enterprise Resource Planning (ERP) project, spending controls were established to ensure transparency and to provide the Board with further insight into annual spending limits. He stated that the Board-approved financial plan established a contingency of 10 percent in FY 2022 and the majority of the contingency has been allocated to the Lead-Free DC program (LFDC) of \$36.03 million, and an additional \$3.6 million were allocated at the request of the Washington Aqueduct. The remaining balance of \$12.1 million will be used to cover potential overspending through the fiscal year.

Mr. Brown reminded the Committee of the previous Board adopted amendments of \$36 million for the LFDC program management and construction costs from capital contingency and the allocated funds from the net cash surplus to fund the purchase of anticipated vehicles for delivery in FY 2022. He provided an overview of the preliminary year-end forecast showing the underspending by service area and the proposed revision which increases the amended budget by \$50.8 million.

Mr. Brown presented management's recommendation to revise the FY 2022 Capital Budget to include the following:

- Increase of \$50.8 million from \$516.7 million to \$567.5 million mainly for changes in capital projects and DC Water's share of the Washington Aqueduct's projects, and offset by projected underspending in FY 2021 for capital projects
- No changes to the overall Board-adopted CIP budget of \$5.4 billion. Funding for the remaining periods in the ten-year window will be included in the next budget cycle with delivery anticipated in January 2022

Proposed Transfer from Rate Stabilization and Revised Financial Plan

Mr. Ivan Boykin, Director, Finance, presented an update on the Rate Stabilization Fund (RSF) and the revised 10-year financial plan. He reviewed the major changes to the Financial Plan for FY 2022 stating the new Board approved policy now requires 250 Days of Cash on Hand and a Combined Debt Service Coverage Ratio of 1.6x. Previously, the Board required 120 Days of Cash on Hand and had a \$125.5 million Operating and Maintenance (O&M) requirement. Mr. Boykin

emphasized, the new 250 Days of Cash on Hand does not include the RSF, and the new management target now meets the board approved policy.

Next, Mr. Boykin discussed the financial metrics of a select peer group indicating DC Water's financial metrics compare favorably by maintaining 335 days cash on hand. Mr. Boykin reviewed the budgeted net O&M expenditures and informed the Committee that \$237.2 million is needed to maintain the new 250 Days of Cash on Hand requirement. These funds will be attained from: the ending balance of the adopted Financial Plan (\$194 million), the existing cash balance (\$1.7 million); and transfer from the RSF to cash balance (\$41.6 million). Mr. Boykin further explained that the Operating Cash Reserves includes: (1) \$35 million in the Renewal and Replacement Fund; (2) 60 days of operating expenditures in the "Operating Reserve Fund"; and (3) additional cash greater than the 250-day requirement, which will be considered as excess cash or undesignated cash above the old policy of \$125.5 million.

Mr. Boykin concluded his presentation by presenting and discussing the Ten-Year Financial Plan changes, which include:

- the transfer of \$41.6 million from RSF to the cash balance
- requested rollover of \$50.8 million of unexpended capital budget from FY 2021 to FY 2022
- addition of \$2.1 million to FY 2022 County refunds budget from the FY 2018 and FY 2019 O&M and Multi-Jurisdictional User Facilities audit, and
- shift the bond issuance from FY 2021 to FY 2022 with projected proceeds of \$400 million.

Lastly, he mentioned that a new financial plan will be proposed to the Board in January with the FY 2023 proposed budget.

DC Water Cares Program Progress Update

Ms. Meisha Lorick, Acting Director, Customer Care, provided an update on the DC Water Cares Program progress. She also provided details on the DC Water assistance programs' participation and related costs, including the Customer Assistance Program (CAP), & CAP2, DC Water Cares Residential Assistance Program (RAP), and DC Water Cares Multifamily Assistance Program (MAP). She also noted that the Emergency Residential Relief Program and the Stronger Together Assisting You (STAY DC) provided by the District and Federal Governments, respectively, have ended their funding. Ms. Lorick indicated within the new fiscal year, the Department of Energy and Environment (DOEE) will begin a new, federally funded program, Low Income Household Water Assistance Program (LIHWAP), which will provide assistance to low-income households with their water and sewer bills. The new program is expected to start November 1, 2021.

Next, Ms. Lorick provided the assistance programs' number of accounts processed and enrolled, and amounts provided to customers, which have increased over the years. She noted that there is \$5.3 million unexpended in the FY 2021 RAP and MAP programs, which will be rolled over and used within the new fiscal year. Ms. Lorick provided further details for LIHWAP, noting the program's allocation will total \$2.4 million (\$2.0 million for assistance and \$0.4 million to cover administrative costs), the eligible priority groups and requirements, which aligns with CAP. She also noted that DC Water is strategizing to improve our customer outreach and working to provide additional assistance to our customers.

Action Items

The Committee members agreed to move the following action items to the full Board:

- A. Recommendation for Approval to Amend the FY 2022 Capital Budget
- B. Proposed Transfer from Rate Stabilization and Revised Ten-Year Financial Plan FY 2021 - FY 2030
- C. Recommendation for Approval to Allocate \$5.0 Million Targeted Assisted Funds for CAP, CAP2, RAP, and MAP

Adjournment

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



CEO's Report

NOVEMBER
2021



ACCOUNTABILITY TRUST TEAMWORK CUSTOMER FOCUS SAFETY WELL-BEING

Inside

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dc Highlights

Chairman Wells and members of the Board, it is my pleasure to present you with this detailed summary of the Authority's activities over the past month. One of the high points for me was leading the DC Water delegation to the Water Environment Federation's Technical Exhibition and Conference (WEFTEC) in Chicago and seeing our team shine on a global stage. A full report is below along with other highlights and monthly reports from our Finance and Procurement; Shared Services; Customer Experience; and Operations and Engineering divisions.



High Performing Team

Authority Plays Prominent Role at WEFTEC

DC Water played a very visible and active role at WEFTEC 2021 which was held in Chicago, October 16-20. Seventeen Authority employees were featured as presenters across the four days of the conference portion of the event.

In addition, I had the pleasure of participating in a 30-minute WEFTEC Live webcast on Diversity, Equity and Inclusion on Monday, October 18, with the event's keynote speaker, Laura Schwartz.

That afternoon I also participated in a Water Smart Engagement (WiSE) panel discussion, with Ramlee bin A Rahman, CEO of PDT of Johor Bahru, Malaysia, our twin agency through the ASEAN WiSE program. The session, 'Public, Private or Hybrid: Models of Success for Water Utilities in a Changing World,' explored how different water utility business models are used in addressing the challenges facing utilities in terms of challenges from COVID, infrastructure investment, the impacts of climate change and delivering services in a financially sustainable manner.

After months of virtual discussions, it was our first opportunity for face-to-face engagement with our counterparts from PDT, and following WEFTEC, we had the pleasure of hosting the Malaysian delegation for a visit here at DC Water.

The Authority also came home from WEFTEC with several awards and special recognitions. **Nam Ngo** (Research Intern / Wastewater Treatment) received the Martha Hahn Memorial Recognition for the Top Rated Abstract. **Torri Epperson** (Coordinator, Education Outreach / Marketing and Communication) and **Franchesca Valente** (Vice President, Blue Drop) accepted a Public Communication and Outreach Program Award in recognition of the Authority's first-ever children's book, "Wendy, Where Does the Wastewater Go?" Last but not least, **Chris Peot** (Director, Resource Recovery / Wastewater Treatment) was inducted as a Fellow of the Water Environment Federation during the Awards and Presidential Ceremony.





High Performing Team continued

DC Leads on Issues of JEDI (Justice, Equity, Diversity, and Inclusion) at WEFTEC



Following last month's week-long equity listening sessions at DC Water, we continue to identify, acknowledge, and drive solutions to water inequities. This year, DC Water led three out of four JEDI workshops at WEFTEC 2021. Those workshops and other panels and technical sessions gave our staff an opportunity to demonstrate how we embrace, prioritize, and operationalize equity in our approaches and methods. The team showed DC Water's strong commitment to our cultural transformation on these issues within the water sector.

Speaking engagements and workshops were led by **Kishia L. Powell** (Chief Operating Officer) and **Sheryl Ude** (Senior Advisor to the COO). The hope is that we left a footprint at WEFTEC that provided other utilities tangible next steps on tackling environmental justice matters through thoughtful and intentional strategic management, legislative reform, hiring, customer outreach, community engagement, and communications.

On the last day of the conference, the workshop, "Water Justice: How We Improve Water Equity", was one of the most well attended sessions bringing close to 100 participants from the public, private, nonprofit, academic, and utility sectors

all wanting to learn more about how they and their organizations can become more just and improve equity for our most vulnerable populations. Sheryl Ude, who also recently launched our internal listening sessions with U.S. Water Alliance, Inaugural Artist-in-Residence, Benny Starr, and **Apera Nwora** (Director of Government and Public Policy) led a talk on Readiness as a Form of Justice. The purpose of the session was to help utilities identify ways they acknowledge how communities have been historically harmed by water infrastructure, how to gain credibility in the JEDI space internally and externally, and how we best position ourselves to serve and advocate for community. The workshop was moderated by Ifetayo Venner, P.E., president-elect of the 2021-22 Board of Trustees for the Water Environment Federation (WEF).

DC Water Prepares to Celebrate 25 Years as Independent Authority

On the evening of Tuesday, October 26, the Authority hosted a kickoff reception and celebration entitled 'DC Water Turns 25: Journey to World-Class, 1996-2021'. This special celebration, at our headquarters building, will mark the first of a series of events honoring the 25th anniversary of the establishment of the Authority as an independent entity. Additionally, special commemorative logos have been designed to promote the milestone and many achievements made by the Authority since 1996. I look forward to sharing additional details on the series of events, which are projected to run through the conclusion of our 25th year of independence, which was enacted through District legislation on April 18, 1996.



dc Highlights



High Performing Team continued

Thank You Team Blue

It was my pleasure to host a celebration at the end of September to honor the work of the Authority's frontline heroes who have served in public spaces throughout the COVID pandemic, as well as those employees who have returned to Authority work sites from telework in recent weeks.

The event was held at HQO, but **Lisa Barton** (Senior Executive Coordinator / Office of the CEO), arranged for shuttle transportation from Bryant Steet and Blue Plains so staff at those facilities could participate. The celebration featured food trucks, a go-go band and DJ, giveaways, dancing, and a fun time for all.

Although this type of Authority-wide event poses logistical challenges, staff thoroughly enjoyed the afternoon of recognition and appreciation. I am encouraging our departmental leads to consider hosting smaller, team-oriented events to recognize our employees throughout the year ahead.



Vaccinations

I am pleased to report that People and Talent are making progress in our efforts to keep DC Water and our communities safe. During FY21, tremendous focus and resources were directed towards creating a safe and healthy environment for our employees, our customers, and our communities during 'Year Two' of the COVID-19 pandemic.

The Authority continues to promote a Healthy, Safe and Well environment, encouraging all employees to become fully vaccinated. This month there is an uptick to report on our collective vaccination status, by DC Water location. As a result of our collaborative efforts, the Authority continues to have remarkable success, with low positive-tested cases at 6% and more than 56% of our employees now fully vaccinated.



dc Highlights

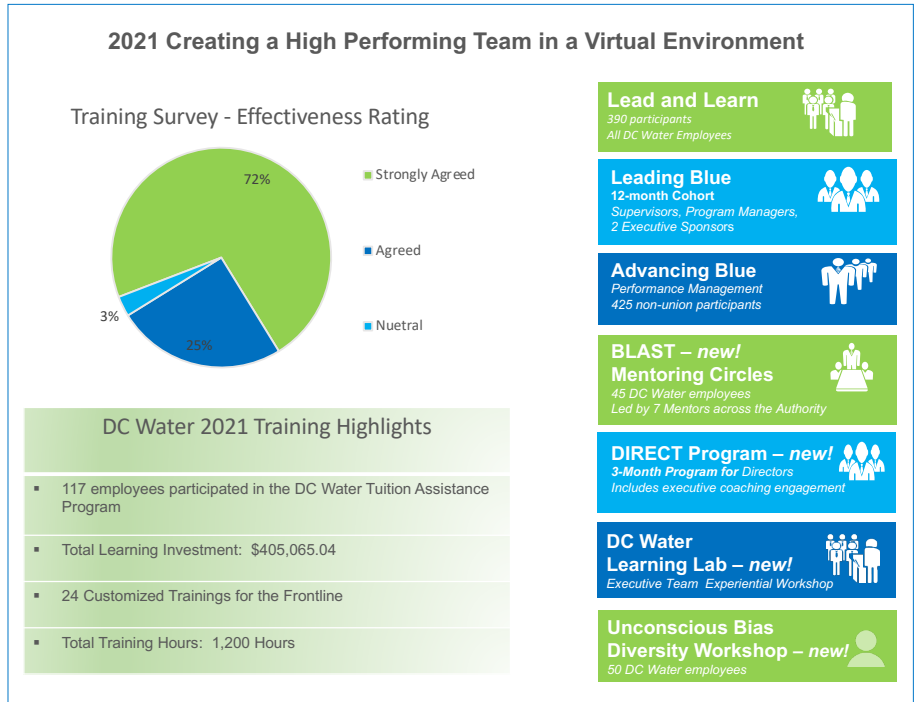


High Performing Team

Training and Development

The People and Talent Division led by Lisa Stone (Chief People and Inclusion Officer) continues to support DC Water’s goal of creating a high performing team through training and development. The graphic on the right provides a dashboard overview of the progress made in 2021.

The table of training programs featured on the right margin reflects the many training programs designed to support the professional and leadership development needs of the Authority. Notably, People and Talent has expanded learning and development offerings to include four new programs despite the challenges posed by the pandemic.



Stakeholder Engagement

Blueprint 2.0



This month I sent a communication to all Authority employees, updating them on Blueprint 2.0, and what to expect as we move forward with our new five-year strategic plan.

In the update, I thanked the many staff members who have worked diligently to establish actionable goals that will support the five organizational imperatives outlined in Blueprint 2.0: Healthy, Safe and Well, Reliable, Resilient, Sustainable, and Equitable.

The Strategy and Performance team, led by **Wayne Griffith** (Chief Strategy and Performance Officer), is working closely with **Matt Brown** (Chief Financial Officer) and the Budget team in Finance and Procurement to align Blueprint 2.0 and the Authority’s budget. In addition to the monthly Enterprise Performance Data now collected and analyzed by the Authority, assessing our budget through the lens of our strategic imperatives will provide data that will directly support the imperatives and help measure our progress.

In the weeks ahead, we will distribute Blueprint 2.0 content and collateral across Authority work sites, including posters, plasma screens, table tent cards and screensavers, all promoting Blueprint 2.0 and orienting staff to key provisions of the plan. Additionally, our new strategic plan will feature prominently in an upcoming series of Employee Town Hall Meetings planned for November.



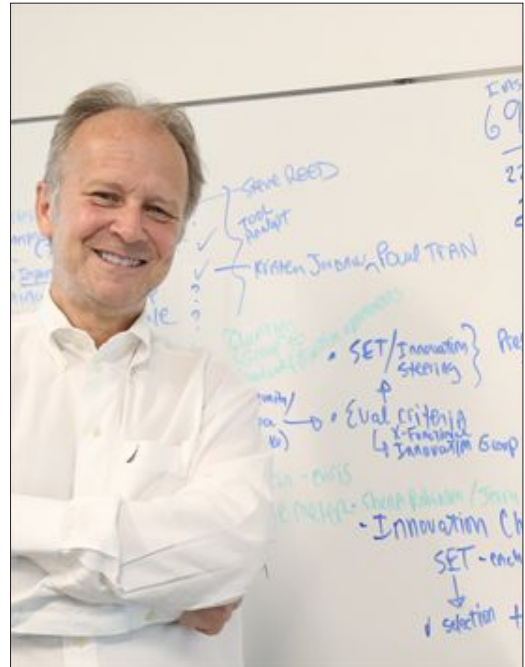
Stakeholder Engagement continued

World Water-Tech Innovation Summit

On October 5-6, **Dr. Robert Bornhofen** (Director, Innovation / Strategy and Performance) addressed more than 300 attendees at the virtual World Water-Tech Innovation Summit. The event had a global reach, with the United States and 15 other countries represented, and an audience comprised of 70% C-Suite and Director level attendees. His emphasis in the presentation was on DC Water and the Authority's recent effort to relaunch an innovation program across the organization.

Mr. Bornhofen's presentation was entitled 'Scaling Innovation Across the Organization.' He also moderated an expert panel in a discussion on how to unlock innovation within the water utility sector. This exposure afforded DC Water excellent visibility among the utility, vendor, business, and association community.

The conference leadership team invited Dr. Bornhofen to sit on its Advisory Board. This post provides the Authority additional visibility and influence among the international innovation community. It also bolsters DC Water's reputation as one of the most advanced and innovative water utilities within the industry and will support fulfillment of our strategic imperatives: Healthy, Safe and Well; Reliable; Resilient; Sustainable; and Equitable.

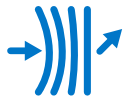


Media Report on PFAs in Bloom

As I previously communicated to Board Members, the WUSA-9 story on PFAS found in garden fertilizing products, including Bloom, aired on October 7. The story draws heavily from a Sierra Club report from May 2021 and unfortunately focuses on the report's most volatile claims. Considered in context, fresh Bloom contains far less PFAS than ordinary household dust, and the harmful compounds are ubiquitous, also appearing in food waste, containers, packaging, wraps and even precipitation.

The Office of Marketing and Communications is working closely with the Bloom team, as well as our industry partners at the National Association of Clean Water Agencies (NACWA), California Association of Sanitary Agencies (CASA) and the Water Environment Federation (WEF) to develop a technical rebuttal of the Sierra Club report, as well as supportive messaging on the many environmental benefits of recycling biosolids.





Resilience and Readiness

Establishment of Multi-Agency Flood Task Force

In response to challenges stemming from climate change, such as the flooding event of September 10, 2020, the Office of the City Administrator has established a Flood Task Force for the District, reporting to the Deputy Mayor for Operations and Infrastructure (DMOI), who will also serve as a voting member.

The Task Force will be jointly chaired by Tommy Wells, in his role as Director of the Department of Energy and the Environment (DOEE) and myself representing DC Water. The Task Force will also include 13 voting member agencies and 10 consulting entities.

In light of the growing impact of climate change, the District expects that flooding events and water damage will be more frequent and severe in the years and decades ahead. Although various agencies have analyzed flooding risks, and identified a range of potential mitigating steps, there is not yet a unified, comprehensive District plan for prioritizing, funding, and implementing such steps.



The Flood Task Force is intended to ensure this coordination takes place, that it is equitable and also educates and engages our communities on flood-related risks.

DOE Grant to Improve Energy Efficiency and Resource Recovery at Water Resource Recovery Facilities

The U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy has awarded funding to the Water Research Foundation (WRF) to lead a \$2.2 million project, entitled 'Crossing the Finish Line: Integration of Data-Driven Process Control for Maximization of Energy and Resource Efficiency in Advanced Water Resource Recovery Facilities.'

The research team is comprised of subject matter experts from WRF, Hampton Roads (VA) Sanitation District, DC Water, Metro Water Recovery (CO), U.S. Military Academy West Point, the University of Michigan, Northwestern University, Oak Ridge National Laboratory, and Black & Veatch.

The project will develop and demonstrate data-driven process controls in full-scale facilities for five promising process technologies that offer substantial energy and resource recovery benefits. WRF agreed to lead and manage the project finances in accordance with DOE requirements and will also lead industry outreach. This project will fund one graduate student from the University of Michigan and one graduate student from Northwestern to work directly on Blue Plains systems.



Divisions

The CEO report now includes service level based key performance indicators for our operations divisions. These are indicators for which the teams have established or confirmed response and resolution times in which to perform the related work. This is assisting us in identifying productivity impacts related to COVID-19 and resource needs as well as benchmarking ourselves against other utilities. It is important to note that where teams may not meet the Service Level Targets set for a specific metric, it does not mean the work is not getting accomplished. The teams are doing a tremendous job despite the pandemic and continue to strive to meet a high bar of performance.

Financial Metrics

Metric	Target	June-21	July-21	Aug-21	Sept-21
Operating Cash Balance (millions \$)	185	213	196	214	196.29
Delinquent Account Receivables (%) [†]	3.00	4.45	4.51	4.55	4.50
On-time Vendor Payments (%) ^{††}	97	93	93	93	93
Investment Earnings Data (Thousands \$)	2,234	2660.0	2897.0	3092.0	3433.5
Core Investment Yield Data (%) - Merrill Lynch 1-3 Year Treasury Index		0.25	0.19	0.22	0.28
Core Investment Yield Data (%) - Actual Monthly Yield	0.18*	0.76	0.72	0.67	0.63
Short Term Investment Yield Data (%) - Merrill Lynch 3-Month Treasury Index		0.05	0.05	0.05	0.04
Short Term Investment Yield Data (%) - Actual Monthly Yield	0.05*	0.11	0.08	0.08	0.06
Days of Cash on Hand	250**	337	334	333	329***

* Represent annual Treasury Index targets developed and provided by the Authority's investment advisor, and compared to the Monthly Treasury Index and the Actual Monthly Yield

** 250 days of cash represents the projection for annual days of operating reserves including the Rate Stabilization Fund

*** The 333 days of cash is made up of 106 days in the Rate Stabilization Fund and 227 days in the operating cash balance.

† Delinquent account receivables as a percentage of 12-month rolling average revenue. The delinquent account receivables increased due to the impact of COVID-19.

†† Vendor payments percentage is not at the desired target primarily due to performance related to the transition from the legacy system to the new system, which includes tolerance configuration (Materials Management invoices), retention invoices, or system entries (non-payment entries, e.g., ROCIP funding), and user training related to receipts issues.

Finance Highlights

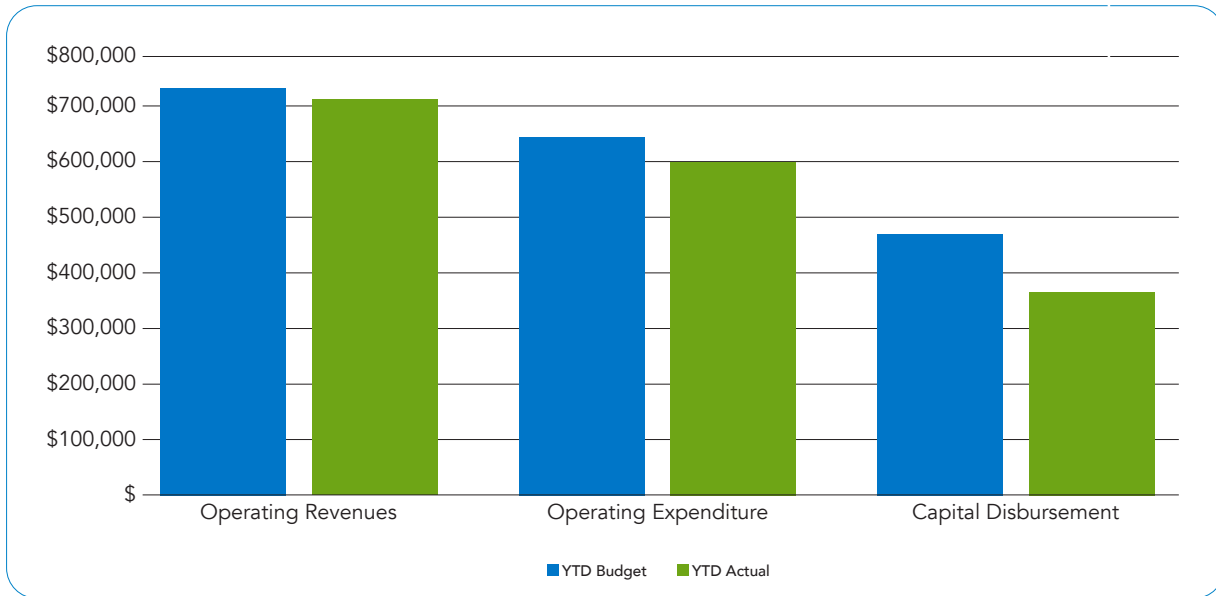
FY 2021 Financial Performance

DC Water successfully managed its finances through FY 2021, aligning expenditures to the revenue shortfall from the impacts of COVID. At the end of the year, revenues were below budget by \$24.2 million as a result of proactive measures to assist customers, pausing late fees and liens and discontinuing disconnections for non-payment. DC Water instituted a process to prioritize hiring, operating budget savings were identified by Finance and various departments, and some capital projects were deferred.

Information presented here are preliminary estimates that could change based on year-end financial entries and the annual financial statement audit. Total operating revenues were \$709.6 million or 96.7 percent of the budget with lower receipts mainly from the Residential, Commercial and Multi-Family customers. Operating expenditures were \$597.9 million or 93.0 percent of the budget. The overall underspending was a result of spending targets instituted by management to align expenses with reduced revenue forecasts. Additionally, the underspending in debt service was a result of the refinancing, refunding and lower interest rates on existing debt, coupled with no new debt issuance during the year. With the favorable operations and maintenance expenditures, the Cash Financed Capital Improvement (CFCI) fund was fully utilized for pay-go financing.

Capital disbursements were \$370.1 million or 78.5 percent of the budget with underspending due to several factors. These include permitting delays, project delays, long lead times for delivery of specialized vehicle equipment and lower than anticipated spending for Washington Aqueduct's capital programs.

FY 2021 Year to Date Performance Budget vs. Actuals (\$000's)



Rating Agency visits and Bond Sale

- On September 1, 2021, Finance held a virtual call to kickoff off the official invite between DC Water and the selected underwriting syndicate to discuss DC Water's 2022 new money bond issuance of \$400 million (\$200 million green bonds and \$200 million non-green bonds).
- The syndicate is a mix of DC Water's internal team to include Finance and Legal Affairs along with external consultants for financial feasibility, financial advisors, bond/disclosure counsel, underwriters, and underwriters' counsel.
- DC Water selected four underwriters to manage the negotiated bond issuance sale to include Goldman Sachs and Ramirez as the co-lead underwriters for the fixed portion of the transaction, while RBC Capital and Citi will co-lead the underwriting team for the variable rate transaction.
- The primary or initial bond sale is expected to hit the capital bond market in February 2022.

Additionally, rating agency meetings have been scheduled for January 2022 to discuss DC Water's fiscal performance.

Procurement and Compliance

Key Compliance Activities:

- CEO and General Manager David L. Gadis on behalf of DC Water received a letter of recognition from the Coalition for Nonprofit Housing & Economic Development (CNHED) for its commitment to diversity and inclusion. In its letter, CNHED acknowledged DC Water’s participation as a member of the DC Community Anchor Partnership (DCAP), an initiative co-sponsored by the Deputy Mayor for Planning and Economic Development. DCAP aims to close the market access gap for diverse businesses in the District of Columbia.
- Richard Salmon, Utility Service Worker Apprentice has successfully completed his 2-year Apprenticeship Program as of 9/30/2021. Mr. Salmon is the 1st graduate of the Apprenticeship Program and has been promoted to Utility Service Worker II/CDL. Additionally, all apprentices from the other four (4) areas have progressed to their 3rd year of the program to include wage increase.
- Launched the FY 21 Facilities Training Program. The program is sponsored by Department of Employment Services’ Project Empowerment. There are four participants in this year’s cohort (currently) working in the Department of Facilities: Three are in Buildings and Grounds and one is in the administrative office (1st time). Participants will be working/training at DC Water for six months and earning \$12.50/hour.
- We celebrated the graduation of Ms. Ciatta Johnson and Ms. Sierra Steele from the DC Sustainable Energy Utility’s internship program. Both Ms. Johnson and Ms. Steele trained with Procurement and Compliance as interns for the past 3 months. Upon graduation, Ms. Steele was connected through DC Water Works to work as a Computer Science Teacher at the Friendship Tech Prep Academy. Ms. Johnson started a new cleaning firm. DC Water helped with the registration of the company and is assisting in its certification as a local, small, and woman owned business enterprise.
- Completed work on the District of Columbia’s annual Green Book. With its 6th issuance, the purpose of Green Book reflects the District’s ongoing focus to ensure local businesses get access to opportunities. The Green Book provides small business enterprises with an overview of contract and procurement opportunities with the District Government as well as with our regional partners, including DC Water, Metropolitan Washington Airports Authority, Pepco, Washington Gas, and the Washington Metropolitan Area Transit Authority. To prepare DC Water’s response, Compliance worked with Procurement and Engineering services to put together an annual and 3-year forecast as well as an overview of the procurement history for the previous fiscal year.

Key Contracting Activities:

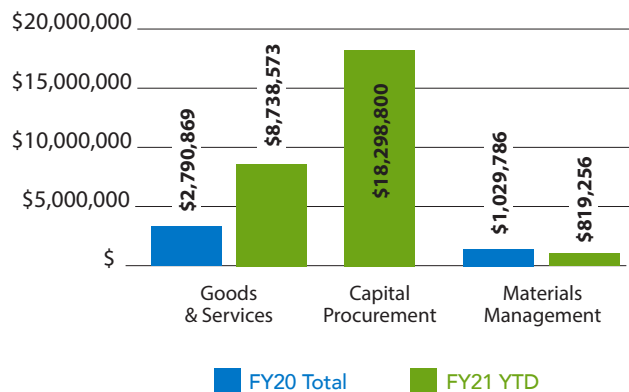
- 34 firms participated in the industry outreach Event for DCFA 518 Water and Sewer Assessment Support Service.
- DCFA # 517 Inspection and Cleaning of Local Sewers - Pre-proposal Conference.
- Continue to create “settlementpayments@dcwater.com” email. Procurement continues to resolve a minimum of 10 vendor issues daily. These issues fall into such categories as new vendor registration, account password resets, updating users when contacts are no longer with the firms and promotions to spend authorization. These requests are submitted through procurementinquiry@dcwater.com or directly to DC Water staff.
- RC-B Construction Award Approved by EQ&Ops. Savings of \$4,143,127.00 against Budget.
- Hosted an Outreach meeting for Small Diameter Water Main Replacement-15B.

Cost Savings

(negotiated savings and cost avoidance)

The chart shows the FY20 total cost savings and FY21 year-to-date cost savings achieved by Procurement through the competitive solicitation process in the Capital Project and Goods/Service solicitations and the cost avoidance achieved in the Materials Management though the inventory optimization. The cost saving for Capital Procurement was not tracked in FY20.

Cost Savings (cumulative 10/1/20 - 9/30/21)



Procurement and Compliance - continued**Upcoming Business Opportunities**

All current and planned solicitations are available at dcwater.com/procurement.

Those upcoming in the next two months are shown below:

Capital Procurement

Planned Solicitation	Project Title	Solicitation Type	Estimated Total Contract Value	Delivery Type	Eligible Inclusion Program
Oct 2021	Microgrid Implementation Project at Blue Plain Advanced WWTP	RFP	\$400k		DBE/WBE
Nov 2021	Lead Free DC Program Management	RFP	\$10M		DBE/WBE
Nov 2021	Water and Sewer Assessment Support	RFP	\$6M		DBE/WBE
Nov 2021	Potomac River Tunnel Project (Tunnel)	RFP	\$1M	Design Build	DBE/WBE
Nov 2021	Small Diameter Water Main Repl. 15D	IFB	\$9M	Bid Build	DBE/WBE

Goods and Services Procurement:

Planned Solicitation	Project Title	Solicitation Type	Estimated Total Contract Value	Eligible Inclusion Program
Oct 2021	Property Casualty Insurance Brokerage	RFP	< \$1M	LSBE
Oct 2021	Hauling & Disposal of Excavation Spoils/Debris & Catch Basin Debris	RFP	\$1-\$5M	DBE/WBE
Oct 2021	Repair and Maintenance of Cranes and Hoists	RFP	< \$1M	LSBE
Oct 2021	Inspection of Cranes and Hoists	RFP	< \$1M	LSBE
Oct 2021	Annual Maintenance of Electrical Control Equipment	RFP	\$5-\$10M	DBE/WBE
Oct 2021	Investment Advisory Services	RFP	< \$1M	LSBE
Oct 2021	Janitorial services	RFP	\$1-\$5M	DBE/WBE
Nov 2021	Reservoir Cleaning	RFP	< \$1M	DBE/WBE
Nov 2021	Building Information Modeling (BIM) software	RFI	TBD	TBD

Accomplishments

The Office of Emergency Management (OEM) activated DC Water's incident management team and facilitated district support liaison efforts for Tropical Depression IDA from August 31st – September 2nd. OEM also conducted the after-action review of the August Boil Water Advisory response efforts with District of Columbia response partners on September 27th.

Facility Projects

Two capital projects completed in September 2021. These projects were completed by contractors, managed by Facilities capital projects coordinator, Martin Perez, in coordination with the Facilities Business Operations Team, Procurement and Finance & Budget.

Potomac Pump Station Staircase Revitalization with New Rubberized Tread Installation – Repaired existing stairs at Potomac Pump Station, corrected corrosion of metal stair system and applied rubberized treads to enhance worker safety and infrastructure maintainability.



Blue Plains Solids Building Locker Room Shower Renovation
– Renovation of existing locker room shower room at Solids Building.





Fleet, Facilities, Safety, Security and Emergency Management

Upcoming Priorities

Fleet Management maintained 83% availability of Priority #1 units during September, despite the continued challenges due to COVID-19, positive cases of onsite technicians and outside vendors, and limited resources/services due to close contacts. Small delays have also occurred due to vehicles awaiting pickup by user departments when service is complete, and road call numbers are up due to dead batteries.

Administration Metrics

Metric	Target	June-21	July-21	Aug-21	Sept-21
Security: Camera operational uptime	90%	94%	95%	96%	96%
Security: Smart card readers operational uptime	90%	99%	99%	99%	99%
Security: Percent of security investigations completed within 21 days	95%	100%	100%	100%	100%
Facilities: Preventive Maintenance Completion Rate	90%	23%	46%	44%	34%
Facilities: Service Request Completion Rate	90%	38%	55%	39%	53%
Fleet: Preventive Maintenance (PM) on Schedule	96%	19%	25%	61%	69%
Fleet: Priority Vehicles/Equipment (In-Service)	96%	84%	90%	86%	83%
Safety: DC Water Employee Recordable Incident Rate (RIR) (CY)	< 5.3	4.1	4.6	4.7	4.3
Safety: DC Water Employee Lost Time Incident (LTI) (CY)	< 2.1	2.3	2.5	2.6	2.4
Safety: Contractor/ROCIP Recordable Incident Rate (RIR) (CY)	< 2.8	1.2	1.3	1.2	1.1
Safety: Contractor/ROCIP Lost Time Incident (LTI) (CY)	< 1.1	0	0	0	0

Facilities PM – While the percentage shows a drop, the actual number of PMs performed and properly closed in September rose from 88 in August to 152 in September. This is a 72% increase in properly closed PMs for the month. The completion percentage dropped because the overall number of PMs in September increased from 201 in August to 452 in September. Many of the PMs are performed by our HVAC contractor and we are working on a way to get the contractor's direct input into the Maximo work order system to improve accuracy of reporting.

Facilities SR – Increase from 39% in August to 53% in September reflects the General Foreman's efforts to have shop foremen properly report completed work in Maximo.

Safety DC Water LTI – We have been above our benchmark for this a few times this year. The same issues continue to exist including a lack of leading indicator implementation (proactive measures), behaviors that go against our current policies and a lack of communication (tool box talks, etc.).



Customer Care and Information Technology

Customer Assistance Programs (CAP) –

In FY21 we enrolled 5370 participants in CAP, CAP2, CAP3 and Non-Residential CRIAC relief. We were pleased to support the community with additional assistance. Of the 4,990 customers enrolled in CAP and CAP2, 64% of these accounts (3179) also received emergency assistance (RAP, CRIAC-ERRP and/or STAY DC) to cover outstanding balances. Low Income Household Water Assistance Program will come online in FY22 allowing additional assistance to qualified customers.

Customer Assistance Programs (CAP)

Program	FY2020 Enrolled	FY2020 Dollars	Sept # Enrolled	Sept Dollars	# FY21 Enrolled	FY2021 Dollars	FY2021 Budget
CAP I	3,818	\$1,584,808	80	\$289,373	4,453	\$2,378,326	\$2,200,000
CAP II	624	\$173,837	6	\$26,019	538	\$245,637	\$200,000
CAP III	133	\$25,863	12	\$2,354	191	\$36,059	\$200,000
Non Residential CRIAC Relief	171	\$1,028,753	32	\$82,774	189	\$955,707	\$2,747,591
Emergency Relief Program	2,098	\$884,388	0	\$0	1,820	\$1,071,464	\$1,073,979
DC Water Cares Residential	N/A	N/A	641	\$343,091	2,842	\$1,892,843	\$3,000,000
DC Water Cares Multifamily (number of units)	N/A	N/A	160	\$12,172	5,978	\$2,507,484	\$6,280,000
STAY DC	N/A	N/A	146	\$204,659	304	\$352,419	N/A

IT Monthly Report

SR/WO Type	SL Target/SLA	Dec 2020	Jan 2021	Feb 2021	Mar 2021	April 2021	May 2021	June 2021	July 2021	Aug 2021	Sept 2021
Number of tickets submitted	Trend only	930	863	880	1,142	737	910	956	1126	1172	1022
Number of open tickets	Trend only	108	33	72	94	71	58	53	68	44	64
Helpdesk SLA	96%	100%	98%	99%	98%	99%	97%	96%	98%	97%	99%
Number of active projects	Trend only	21	20	20	20	20	21	21	18	18	14
Number of completed projects	Trend only	3	4	7	7	9	10	14	17	17	21
On schedule performance	90%	95%	87%	83%	83%	83%	88%	91%	84%	78%	78%
On budget performance	90%	91%	96%	90%	92%	75%	75%	74%	84%	100%	100%

Customer Care and Information Technology

The Customer Service department ended the fiscal year well. All metrics came within target except Estimated Bills as a Percent of Meters Read and Average Talk Time. Resuming inside meters and closer coordination with the Small Diameter Water Main project team will assist in attaining the Estimated Bills as a Percent of Meters Read target. FY22 system enhancements (screen-pop) will assist in reducing Talk Time by approximately 20 seconds by reducing the time it takes to search and open an account. It will also reduce caller verification time. Though it was a challenging year, the team stood up well and performed just as well.

Key Performance Indicators

Metric	Target/ Service Level	June-21	July-21	Aug-21	Sept-21
% of Bills issued on time (w/in 5 days)	95%	95%	95%	98.5%	98.7%
Estimated bills as a percent of meters read	3%	4.2%	4%	4.1%	4.1%
Number of High Bill Complaints	trend only	212	141	179	176
% of OPC inquiries resolved within 14 days	90%	100%	95%	100%	100%
% of calls answered in 40 seconds (call center)	85%	93%	90%	95%	95%
Monthly Call Volume Served (Call Center)	trend only	6,519	6,708	6,804	6,466
Average Talk Time (minutes)	5:30	5:58	6:06	6:00	5:59
Average Wait Time (minutes)	1:30	3:33	0:20	0:20	0:12
Abandoned Calls (%)	6%	2%	1%	1%	1%



Feature of the Month – Wastewater Operations

The Wet Weather Treatment Facility (WWTF) at Blue Plains

Wastewater Operations has successfully completed the post construction monitoring period of the 225 million gallon per day (MGD) WWTF as stipulated by the EPA. The monitoring report is scheduled to be submitted to EPA and DC DOEE in December 2021. The facility is a standalone wastewater treatment plant on the Blue Plains site and complements the 384 MGD average flow Advanced Wastewater Treatment Plant (AWTP). In addition to removing trash, grit and pollutants that would have otherwise been discharged to the Anacostia River, the WWTF removes nutrients such as phosphorous and disinfects harmful bacteria such as (E. coli). Unlike conventional biological treatment systems, the high-rate WWTF is a physical and chemical treatment plant that can produce high quality effluent from standby to full operation mode within a very short period. In lieu of microbiology, the pollutants are removed by optimizing the usage of chemicals such as ferric chloride, caustic soda, and polymer. It reduces the footprint by utilizing the innovative High-Rate Clarification (HRC) Process.



The new 225 MGD facility is operated with the existing plant staffing levels. A decision was made to monitor operational and maintenance needs over time and adjust staffing needs, if necessary. In the interim, the same crews operate both the WWTF and the complete treatment AWTP. Since the commissioning of the facility in March 2018 and through September 30, 2021, Wastewater Operations was able to pump and treat over 12 billion gallons combined flows and remove over 7,800 tons of screenings and grit that would have otherwise discharged into the Anacostia River.

Key Performance Indicators

Metric	Target/Service Level	June-21	July-21	Aug-21	Sept-21
Wastewater Operations					
NPDES Permit Compliance	100%	100%	100%	100%	100%
Air Permit Compliance	100%	100%	100%	100%	100%
Biosolids Class A	100%	100%	100%	100%	100%
Tunnel Dewatering	100%	100%	100%	100%	100%
Combined Heat and Power	>20%	26%	25%	23%	24%
Reactive Maintenance	<20%	31%	40%	28%	31%
Critical Asset Availability	>95%	97%	97%	97%	97%
Sewer Operations					
CSS Structures Inspection	100%	100%	100%	100%	100%
MS4 Area Catch basins Cleaning/Inspections	100%	60%	61%	62%	64%
CSS Area Catch basins to Anacostia – Cleaning/Inspections	100%	18%	100%	100%	100%
Non-Anacostia CSS Area Catch Basins – Cleaning/Inspections	85%	19%	37%	52%	71%
Sewer Cleaning and Inspection (Miles)	>12	3.01	4.18	2.33	2.24
Sewer Backup (Investigation to Resolution)	>95%	100%	100%	100%	100%
Sanitary Sewer Overflow	1.4 per 100 Miles	.15	.3	0	.62
Combined Sewer Overflow	0	0	0	0	0

dc operations and Engineering

Water Services, Sewer and Pumping Operations, Wastewater Treatment, Engineering, DC Clean Rivers

Key Performance Indicators continued

Metric	Target/Service Level	June-21	July-21	Aug-21	Sept-21
Pumping Operations					
Firm Pumping Capacity Maintained	100%	100%	100%	100%	100%
Reactive Maintenance	<20%	39%	33%	32%	35%
Critical Asset Availability	95%	98%	98%	98%	98%
Water Operations					
Safe Drinking Water Compliance	100%	100%	100%	100%	100%
Replace Non-Standard Hydrants	>21/Month	8	8	11	13
Hydrant Flow Tests (Non-Winter Months)	>180	40	73	15	3
Fire Hydrants Operational	99%	99.73	99.67%	99.73%	99.59%
Emergency Water Service Orders Completed	>90%	100%	100%	100%	100%
Water Quality Complaint Resolution (within 48 hours)	>90%	55%	50%	26%	49%
Water Main Breaks	<28/Month	22	30	27	14
Water Main Break Rate /100 Miles (National Average is 25)	25	41	39.09	38	35.52
% of Hydrant Leaks in Inventory that are not leaking	>90%	99%	99%	99%	99%
Permit Operations					
Overall On-time completion of Permit Reviews	90%	93%	91%	91%	92%



Explanation of Missed Targets

Wastewater Operations Reactive Maintenance (<20%)

DC Water has adopted a manufacturing industry best practice benchmark of less than 20 percent reactive maintenance hours as percent of total maintenance hours. To our knowledge, there is no similar benchmark used in the public water utility sector. Blue Plains manages around 45,000 assets within our asset management/maintenance management system, and this stringent industrial benchmark is tracked as a marker for continuous improvement. We observe a descending trend of percent of total reactive maintenance hours, measured as annual average during fiscal years 2019, 2020, and 2021 to date*, of 40%, 37% and 31% respectively, for assets at the Blue Plains Advanced Wastewater Treatment Plant. The reduction realized is attributed to enhanced proactive and predictive maintenance programs, training of staff on precision maintenance and reliability centered maintenance, optimization of existing preventive maintenance plans, and improvements in processes and equipment through the Capital Improvement Program. The goal is to remain on the reduction pathway towards a benchmark that is applicable for Blue Plains.

MS4 Area Catch Basin Cleaning/Inspection (100%)

The Department has an annual goal of 100% and expects to achieve this goal by year end.

CSS Area Catch basins to Anacostia (100%) and Non-Anacostia CSS Area Catch Basins (85%)

Our next goal is to complete cleaning the entire MS4 for compliance period July 1, 2020 – June 30, 2021. We also have a non-compliance goal for 1st time inspections of the CSS Anacostia between January 1, 2021 -June 30, 2021. Our compliance period for cleaning the Non-Anacostia CSS is January 1, 2021 - December 31, 2021.

Sewer Cleaning & Inspection (>12 Miles)

This KPI is a measure of progress toward meeting an internally set goal of cleaning and inspecting 12 miles of our small diameter sewers per month. This is based on completing the cleaning and inspection of 1,400 miles of small diameter (< 24 in) sewer in an 10-year cycle. Due to our existing internal crews prioritizing response to service requests and permit required inspections, progress toward our overall goal is impacted. The Department is assessing the internal and external resources required to achieve the established target in the coming year.

Pumping Operations Reactive Maintenance (<20%)

The reactive maintenance metric has slightly improved since last month but did not meet the target due to other prioritized work activities and/or emergencies. This is a new metric and to meet the goal we shall continue to enhance our proactive maintenance practices, complete scheduled precision maintenance training and remain focused on our reliability centered maintenance activities. We expect to see incremental improvements, year after year.

Replace Non-Standard Hydrants (>20/Month)

The Department was unable to meet the monthly target due to limited staff, scheduled leave and the need for additional resources. The Department expects to increase the number of non-standard hydrant replacements as emergency repairs and resources allow.

Hydrant Flow Tests (Non-Winter Months) (>180)

The Department did not meet the monthly target due to limited staff availability and the need for additional resources. The Department anticipates an increase in performance as adequate levels of staffing are maintained.

Water Quality Complaint Resolution (within 48 Hours)

Although we addressed all customer complaints by phone and email, by flushing hydrants within the same day, we were unable to fully resolve 51% of the customer complaints since there were hydrants that needed to be rechecked and were still pending due to illness, scheduled leave and resource needs (staff). The Department is actively recruiting for several water quality positions and is looking forward to demonstrating improvement within the next year.

dc DC Water Capital Improvement Program

Water, Sewer, Blue Plains, Lead Free DC and DC Clean Rivers

Non-Process Facilities Service Area Updates



Fleet Facilities Building

As of October 15, 2021, the substantial completion date for the new Fleet Facility is April 22, 2022. This date is based on the resolution of all delays created earlier in the project due to permit impacts and inefficiency related to the debris filled earth material. However, with the soil delays behind us the building contractor has poured the building footing and started placing block. In addition, the site contractor has started site utility installation.

Potential Impact

Cracks have started to form in the parking area. Contractor has been directed to remove the sections and replace ASAP.

As of October 15, 2021, the project should have the construction permit in the next week or two. In addition, the contractor is scheduled to start pre-construction submittals by end of November. The project is estimated to be completed October 2022.

Potential Impacts

Sewer services parking lot cracks may impact the ability to relocate the vehicles as scheduled.

Other Notable Projects

Water Condition Assessment Projects

As of October 15, 2021 the 11 St 37" Steel Condition Assessment Notice to Proceed was given. Pre-Inspection planning and coordination with DPSO on test isolations has started and are on going.

Anacostia tank 1 and 2

As of October 15, 2021 design has been completed and permits obtained. Project is transitioning to procurement.



As of October 15, 2021 LFDC project team has met with the CIPERR contractors, developed our schedules for mobilization and starting obtaining permits. Presently we have over 12 blocks permitted and will mobilize on Nov. 4th 2021 to start test pitting and service line replacement.

Fiscal Year	LPRAP (Assistance Program)	Voluntary Full	CIP Full	CIP Partials	Emergency Full	Emergency Partials	Total LSRs	FY21 Goal	Total Partials	Partials %	Goal %
FY2021	224	489	37	14	81	2	847	500	16	1.90%	2.1%



DC Water Capital Improvement Program

Water, Sewer, Blue Plains, Lead Free DC and DC Clean Rivers

Permit Operations

Projects and Priorities

- A forfeiture process for accounts 10-yrs inactive is under way.
- The Department received 75 disputes out of 1100 forfeitures that were sent out. Statements were developed for 1100 accounts.
- Proposed Sewer Thermal projects in DC Treasury Department Smithsonian Institute.

Sanitary Sewer Service Area (32+ Projects under way)

Updates on Critical Projects

- [South Dakota Ave Investigation and Repair](#)
As of October 15, 2021 Water main replacements design was completed and transitioned to Construction as part of change order under SD 14A.
- [Northeast Boundary Trunk Sewer](#)
As of October 15, 2021 planning as received Concept Finalization Report in September 2021 and currently under review.
- [Piney Branch Sewer Rehabilitation](#)
As of October 15, 2021 the Design Brown Folder is being processed.
- [Bryant Street Pumping Station Spill Header Flow Control](#)
As of October 15, 2021 the design team is currently negotiating Final Design Task Order.
- [Spring Place Water Main and Sewer Rehabilitation](#)
As of October 15, 2021 the design team is currently negotiating Design Task Order.
- [PI Phase 6 Pipe Rehabilitation at Clara Barton Pkwy and I-495](#)
As of October 15, 2021 the design team is currently negotiating Final Design Task Order.
- [National Arboretum \(Hickey Run\) Sewer Rehabilitation](#)
As of October 15, 2021 the SPM team is working on after the fact permitting with DOEE and Army Corp. All field work is completed.
- [Watts Branch Sewer Manhole Protection](#)
As of October 15, 2021 the SPM team is working on after the fact permitting with DOEE and Army Corp. All field work is completed.
- [September 10, 2020 Flooding Response](#)
As of October 15, 2021 DCW had reviewed more than 478 applications for backwater valve rebates and processed 130. The design consultant for Nicholson SSES has Completed 100% of the field work (completed smoke testing; CCTV inspection ongoing) and will deliver the tech memo this month.
- [PI Rehabilitation between MH31 and MH30](#)
As of October 15, 2021 the design build contractor has provide a GMP. DC Water is reviewing the GMP, negotiations should start in the near future. In addition, VA DCR agreed to move forward with conversion process and construction concurrently. DCW is presently having the land appraised.
- [Major Sewer Condition Assessment Projects](#)
As of October 15, 2021 DCW has completed Field inspection of 72" and 96" Potomac Force. DCW is waiting for the consultant to provide the data analysis. In addition, inspection of Rock Creek Siphons and Anacostia Siphons have also been complete. The consultant is now in the final stages of inspection related to the Anacostia Force Main and Gravity Sewer and manholes.

dc High Risk Audit Findings

Open High Risk Prior Audit Findings

Audit FY	Issue Date	Audit Report	High Risk Open Finding	Original Target Date	New Target Date	# Extensions	
1	2016	7/28/2016	Training, Licensing, and Certification	Identification and monitoring of training requirements by position	9/30/2017	1/1/2022	4
<p><i>Status notes:</i> Three training buckets (safety, compliance, and technical) have been configured in Cornerstone LMS. Technical training requirements are being identified by department. Trainings will be assigned by role when the Oracle LMS module is implemented. <i>Reason for extension:</i> Multiple changes in leadership within People & Talent, not prioritized under previous leadership, difficulty organizing technical trainings requiring cross-departmental support, delay in Oracle implementation go-live.</p>							
2	2017	4/27/2017	Data Privacy Assessment	Finding Issued in Executive Session	5/1/2017	11/30/2021	7
3	2017	10/26/2017	Entity Level Assessment	Lack of a comprehensive risk management function to evaluate entity-wide risk	10/1/2018	3/31/2022	3
4				Lack of Authority-wide policy and procedure management function	9/30/2018	2/28/2022	3
<p><i>Status notes:</i> EPMO has developed an Enterprise Risk Management (ERM) Policy to be institutionalized across the enterprise. EPMO has also developed a policy regarding policy and procedure administration to address Authority-wide policy development, issuance, and maintenance. A DC Water Policy Administrator position will be created. <i>Reason for extension:</i> Continued change in ownership of action plans. Difficulty executing cross-departmental initiatives.</p>							
5	2018	1/24/2019	Enterprise Work Order Management Assessment	DWO – Inadequate capture of labor and materials cost data in Maximo work orders	9/30/2020	12/3/2021	2
<p><i>Status notes:</i> Pilot for hydrant program is complete. Roll out of valve application in progress; application is undergoing user acceptance testing in parallel with training for the field crew staff. <i>Reason for extension:</i> Deprioritized due to COVID. Emergencies and vacations of field crew staff delayed user acceptance testing.</p>							
6	2019	4/25/2019	Occupational Safety and Health Internal Audit	Outdated comprehensive safety plan for the Authority	3/1/2020	11/30/2021	5
<p><i>Status notes:</i> Safety policies are now going through the process of leadership review. A schedule has been developed to track progress towards review of all policies leading up to the new target date. <i>Reason for extension:</i> Delays in development of large volume of policies. COVID-19 delays for pandemic priorities. Transition in Safety leadership.</p>							

1

Open High Risk Prior Audit Findings

Audit FY	Issue Date	Audit Report	High Risk Open Finding	Original Target Date	New Target Date	# Extensions	
7	2019	7/25/2019	Purchasing Card Internal Audit	Non-compliance with documented PCard and TCard policies	5/25/2020	11/1/21	2
<p><i>Status notes:</i> PCard policy has been updated and updated training conducted for all cardholders. Travel policy updates have been completed and is with Legal for review. <i>Reason for extension:</i> Travel policy updates were put on-hold at the beginning of the pandemic given other COVID-19 response priorities and limited TCard usage.</p>							

Legend	
	Past due
	Original target date has not yet come due

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CEO Report Dashboard

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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




ORGANIZATIONAL PERFORMANCE DASHBOARD (Sep 2021)


Financial Highlights

Net Operating Cash (\$m)		Operating Revenue (\$m)		Operating Expenses (\$m)		Capital Disbursement (\$m)		Operating Cash Bal (\$m)	
Actual	118.94	Actual	709.57	Actual	597.90	Actual	370.10	Actual	196.30
Target	115.05	Target	733.70	Target	642.70	Target	471.30	Target	185.00

Core Invest Yield (%)		Short Term Invest Yield (%)		Delinquent Acct Receivables (%)		On-time Vendor Payments (%)	
Actual	0.63	Actual	0.06	Actual	4.50	Actual	93.00
Target	0.28	Target	0.04	Target	3.00	Target	97.00

Operations and Engineering Highlights



Lead Concentration (ppb)	Total Coliform Rule (%)	Biosolids Production (wet tons)	Total Nitrogen (lbs/yr mil)
		Actual 453	

Plant Effluent Flow (gal mil)	Excess Flow (gal mil)	Water Main Leaks	Water Valve Leaks
	24	14	0

Fire Hydrants Insps. And Maint.	Fire Hydrants out of Service	Fire Hydrants Replaced (YTD)
508	40	13

Sewer Main Backups	Sewer Lateral Backups	Dry Weather CSO	Permits Processed within SLA (%)	Electricity Usage (Kwh)
4	104	0	92	20031

Customer Experience Highlights

Call Center Performance		Command Center Performance		Emergency Response Time	
Actual	95% 	Actual	87% 	Actual	100%  (% of calls Received)
Target	85%	Target	85%	Target	90%

Low Income Assistance Program Highlights

SPLASH Contributions (\$tho)		Customer Assist. Program (\$tho)	
Actual	71.77	Current	289.37
Target	80.00	Previous	209.76

People and Talents Highlights

Recruitment Activity	
Filled	9
Open	65

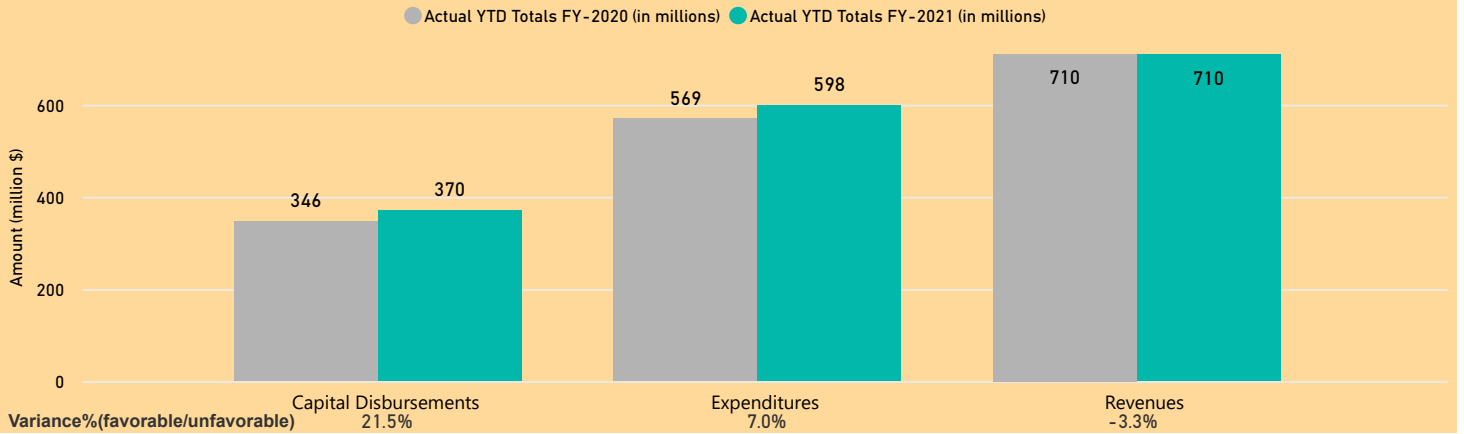
Administration Highlights

Employee Lost Time Incidence Rate	
	2.30%

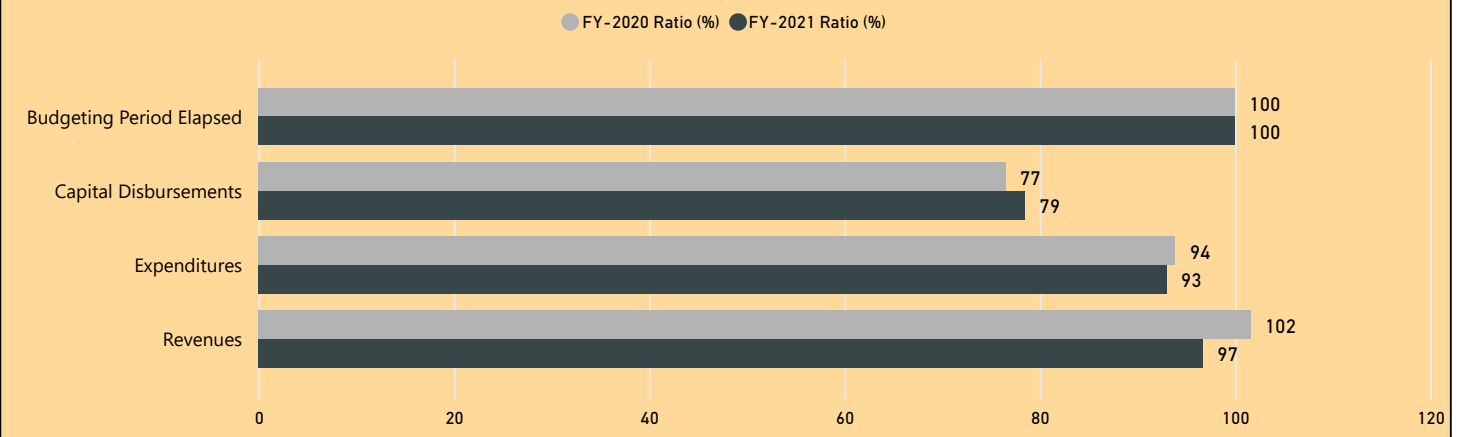
FINANCIAL HIGHLIGHTS

Financial Performance Summary

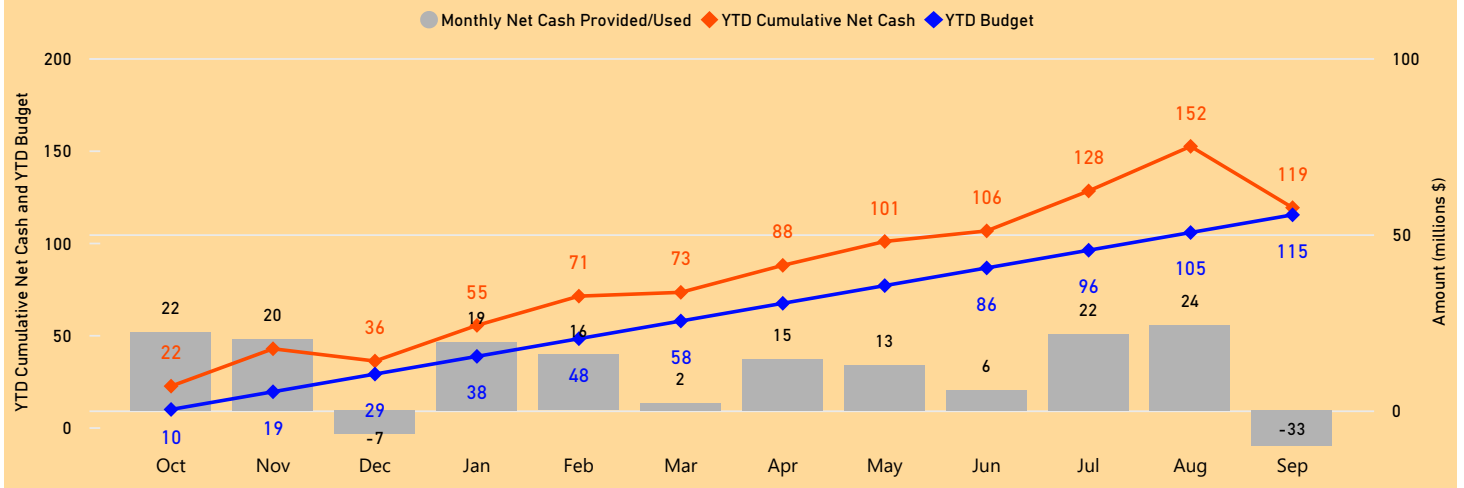
Revenue, Expenditure, and Capital Disbursement



Year to Date Analysis



Net Operating Cash

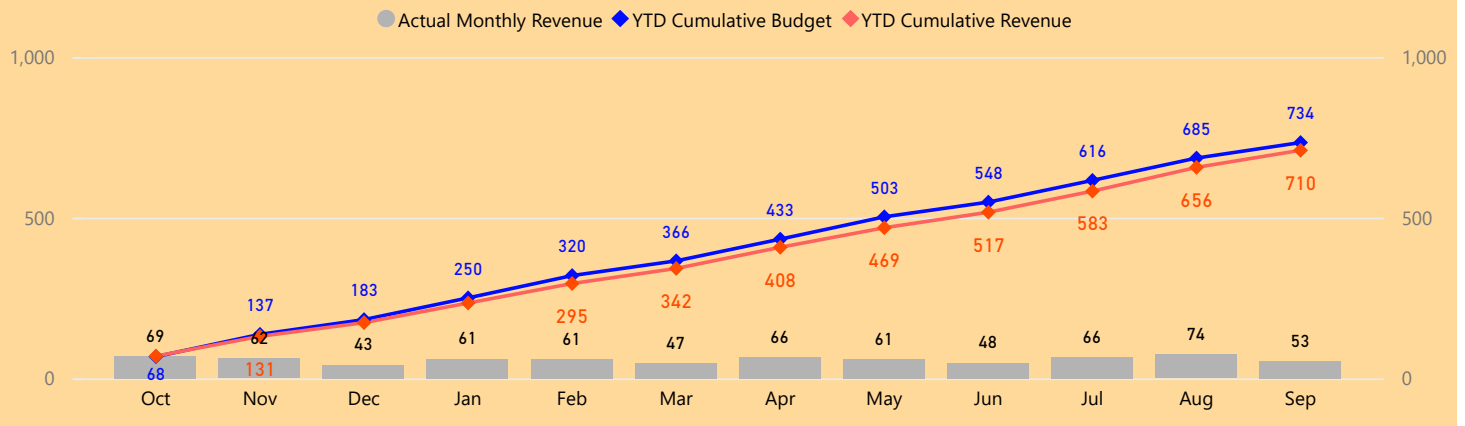


Net cash to date for September was above budget by \$3.9 Million

FINANCIAL HIGHLIGHTS

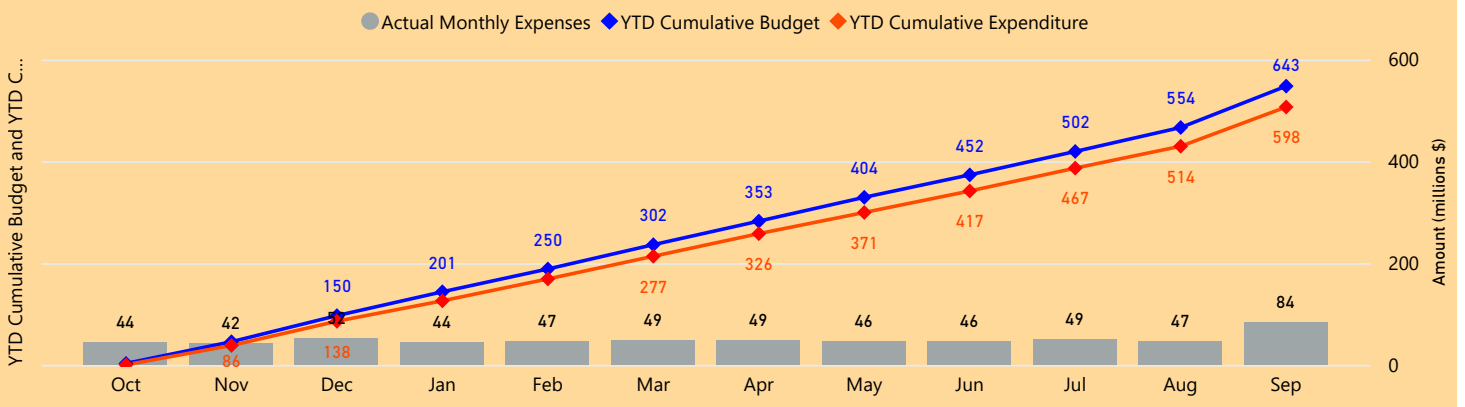
Revenues & Operating Expenses

Operating Revenues



Revenue to date for September was below budget by \$24.2 Million

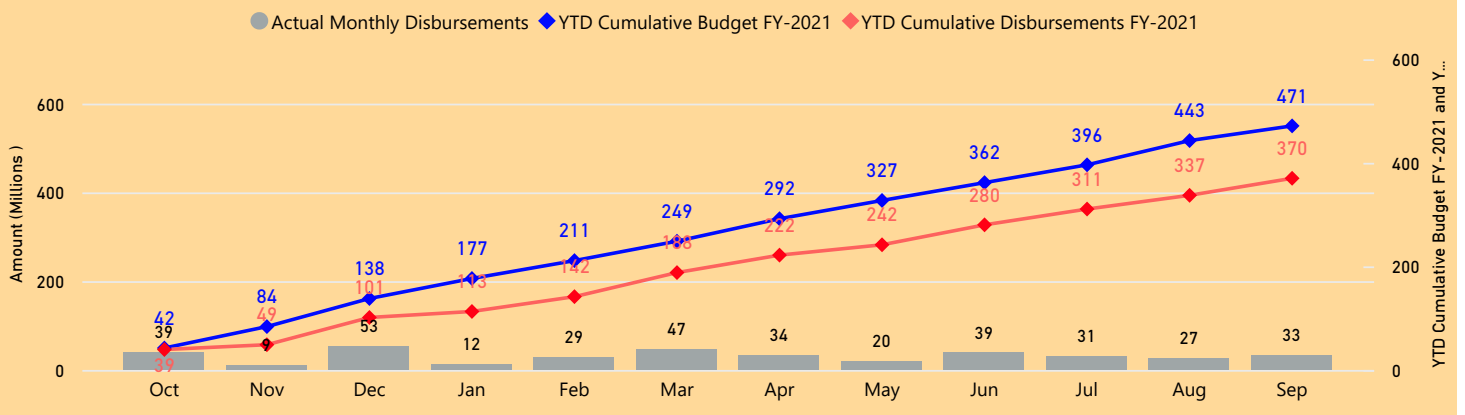
Operating Expenses



Expenditure to date for September was below budget by \$44.8 Million

Capital Spending

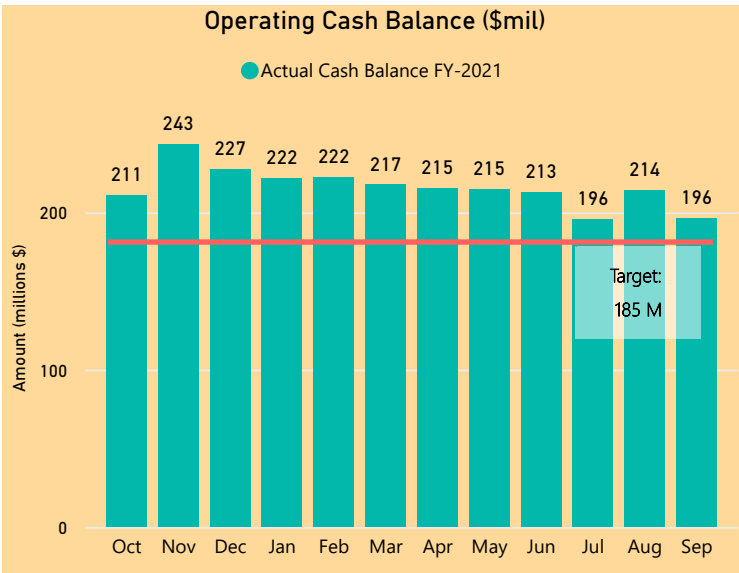
Capital Disbursement



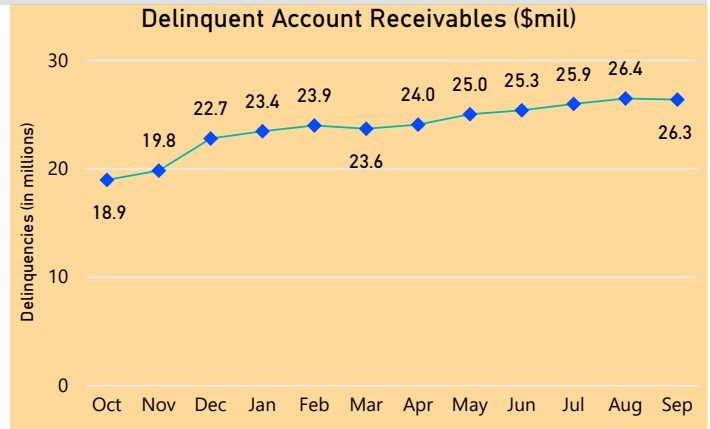
Disbursements to date for September was below budget by \$101.2 Million. YTD spending reflects comparison to the revised budget.

FINANCIAL HIGHLIGHTS

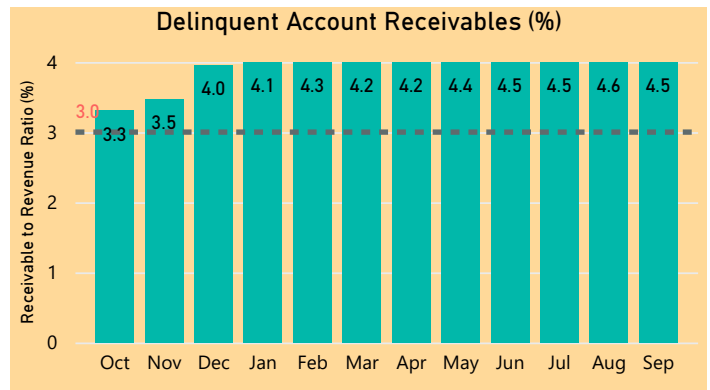
Operating Cash & Receivables



Cash Balance for September was above target by \$11.3 million

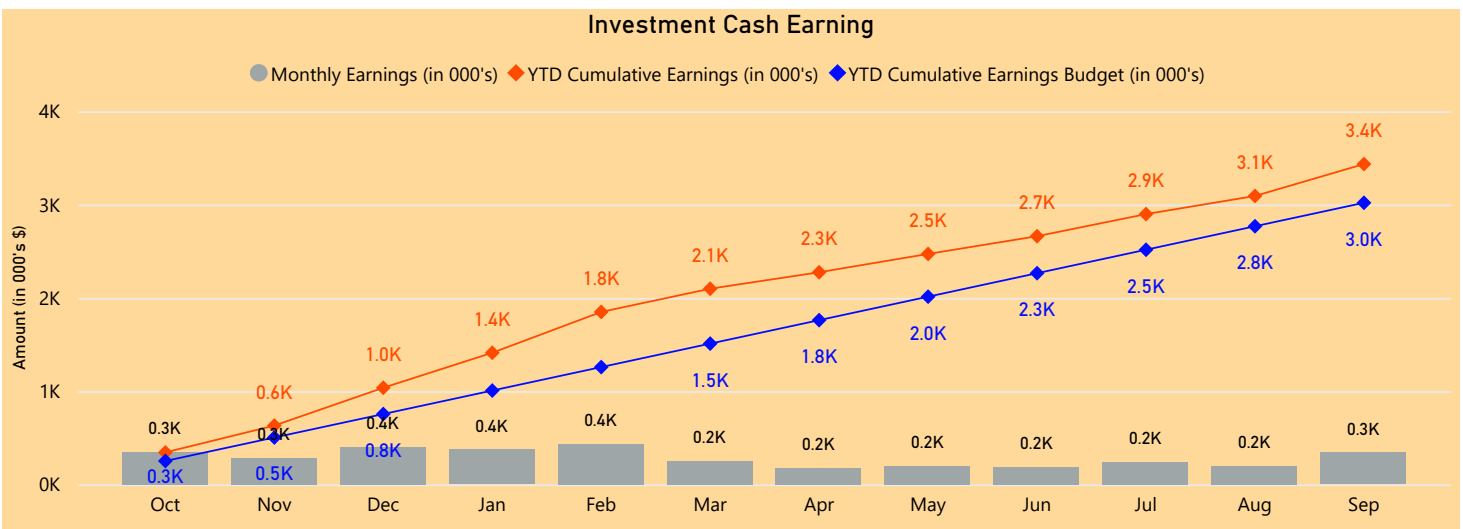


Starting March, the increase is primarily due to increased delinquencies and deferred payments resulting from the COVID-19 pandemic



September Receivables to Revenue Ratio is 4.50, Delinquency is \$26.31 milli...

Investment Earnings

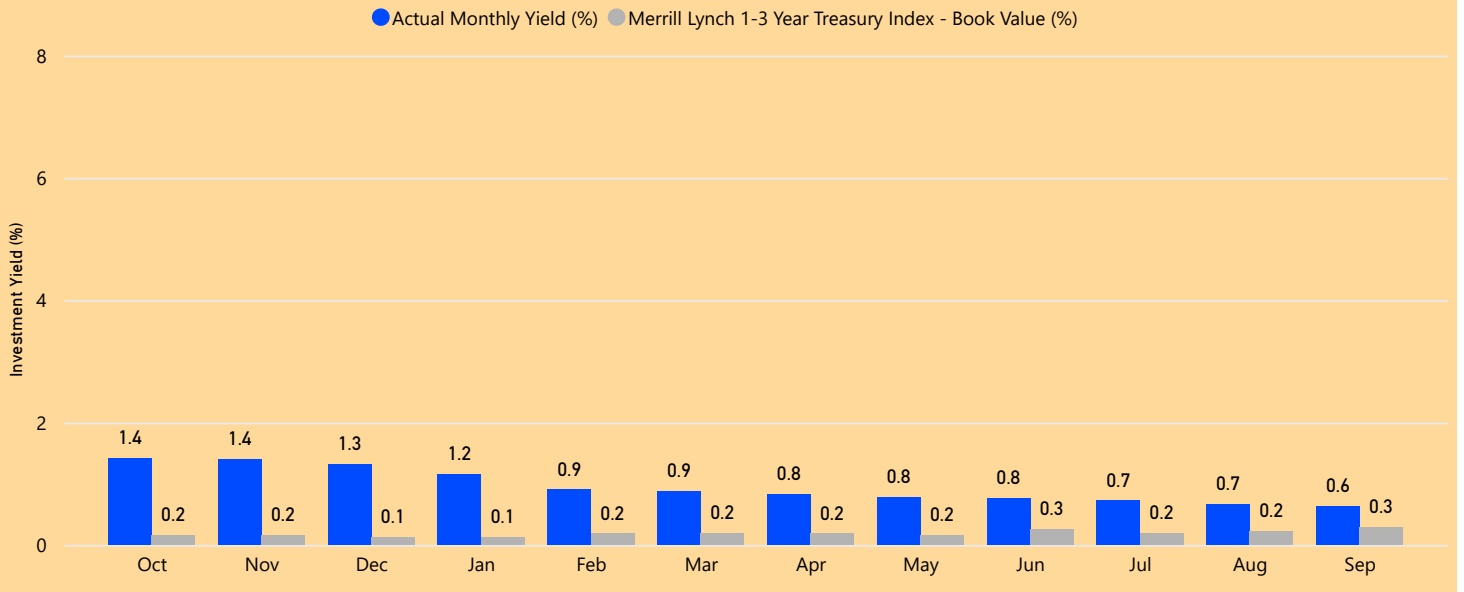


Earnings to date for September were above Projected Budget by \$414,977.

FINANCIAL HIGHLIGHTS

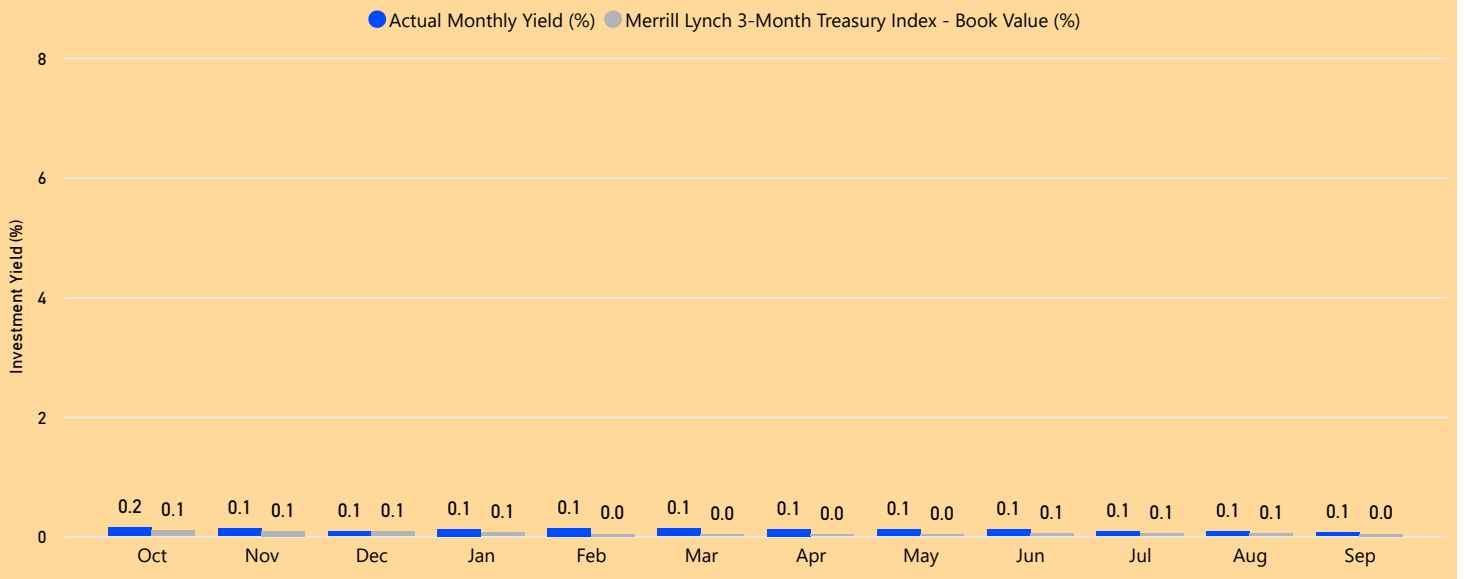
Investment Yields

Core Investment Yield



Yield for September was more than the treasury index by 0.35%

Short Term Investment Yield

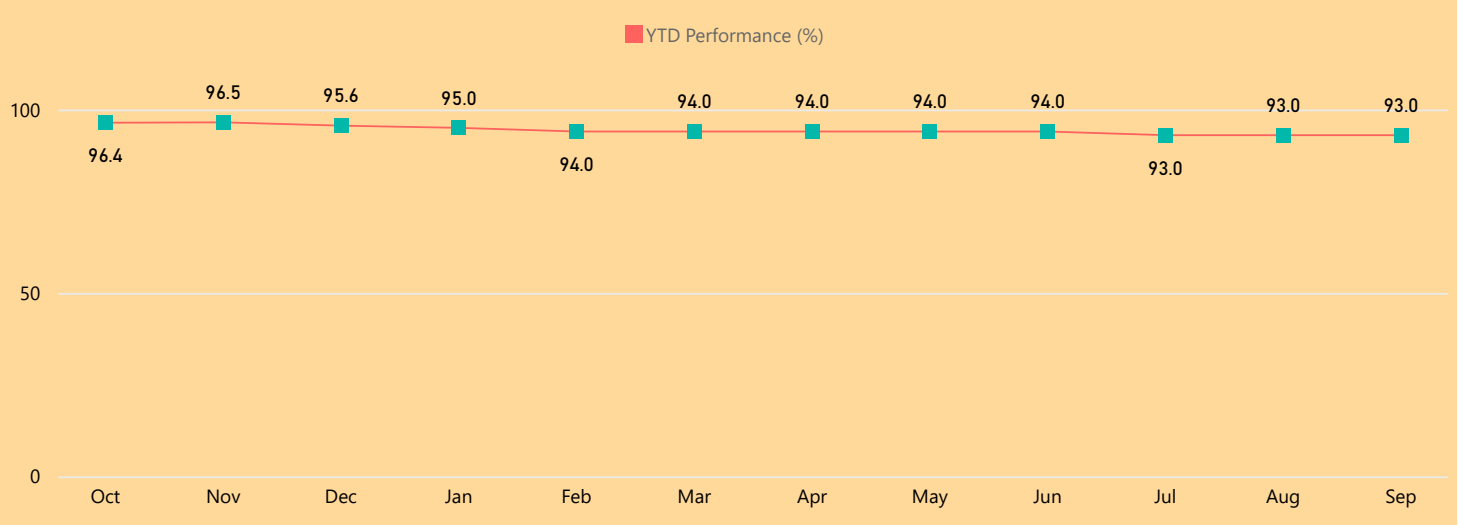


Short Term Yield for September was more than the Merrill Lynch yield by 0.02%

FINANCIAL HIGHLIGHTS

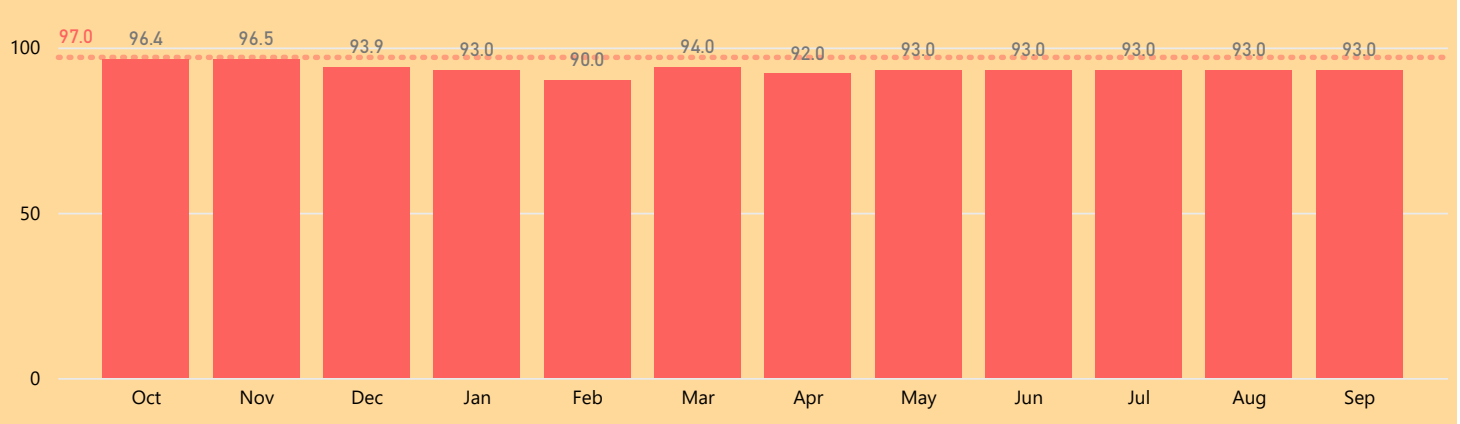
Vendor Payments

YTD Performance



Monthly Performance (%)

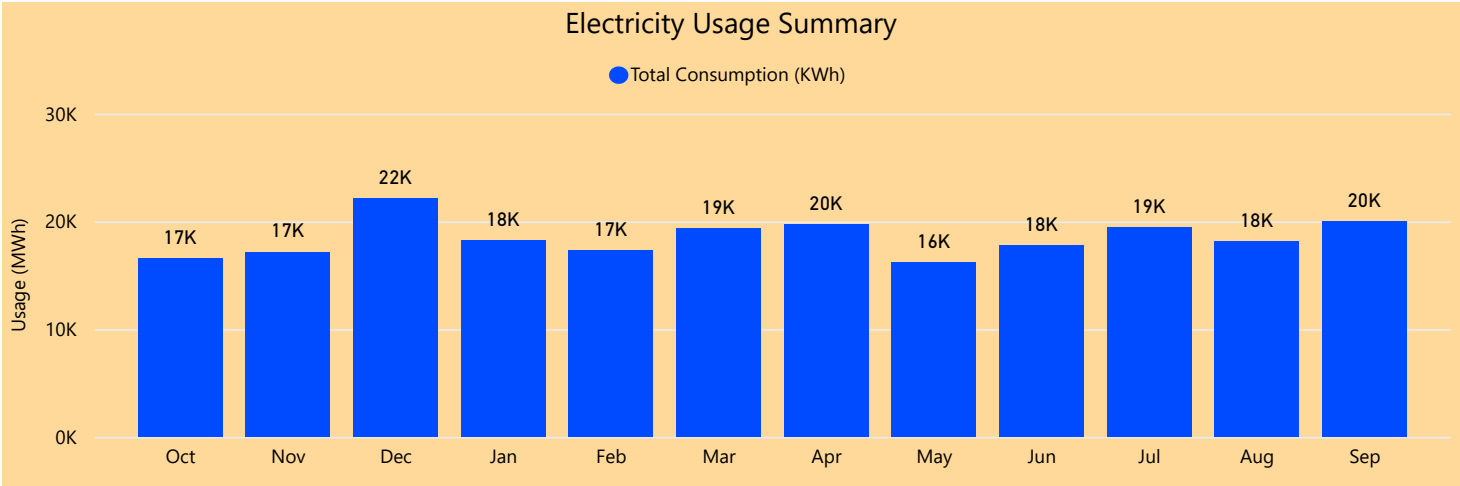
Target: 97%



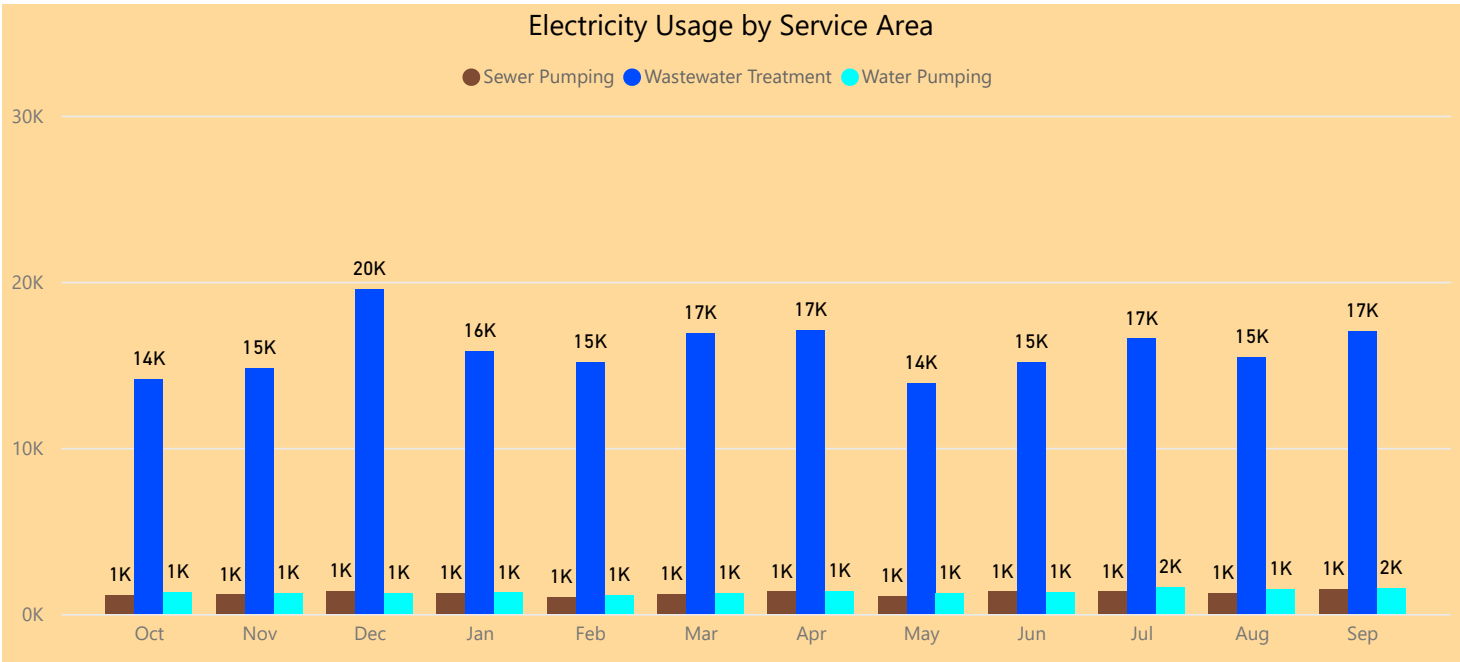
Performance for September was 4.0% below the monthly target of 97.0%

OPERATIONS AND ENGINEERING

Energy Consumption



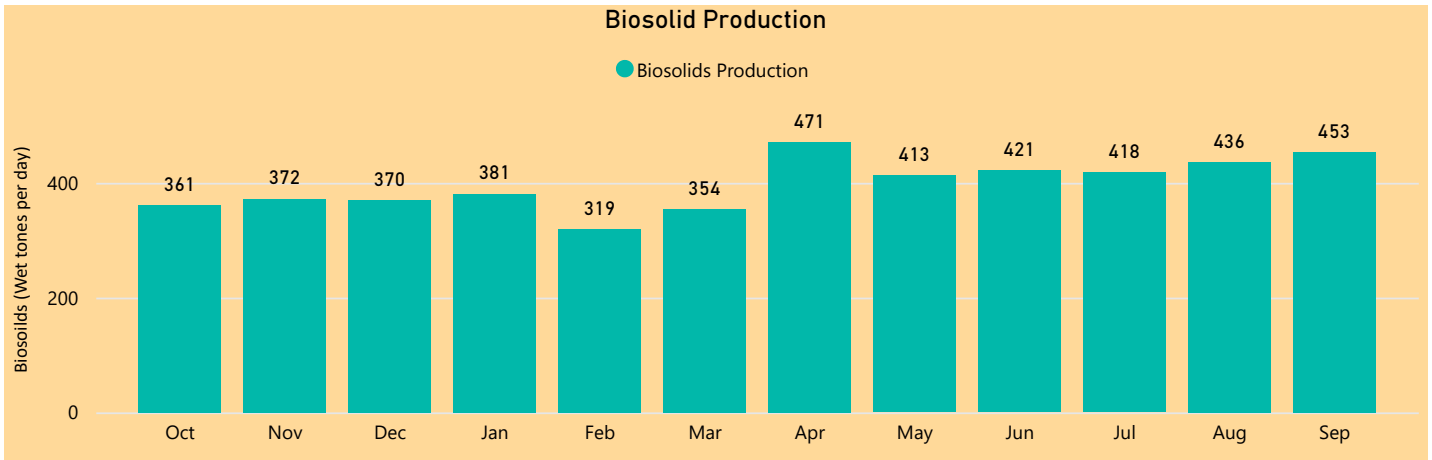
Electricity consumption in Sep 2021 was 20031 KWh.



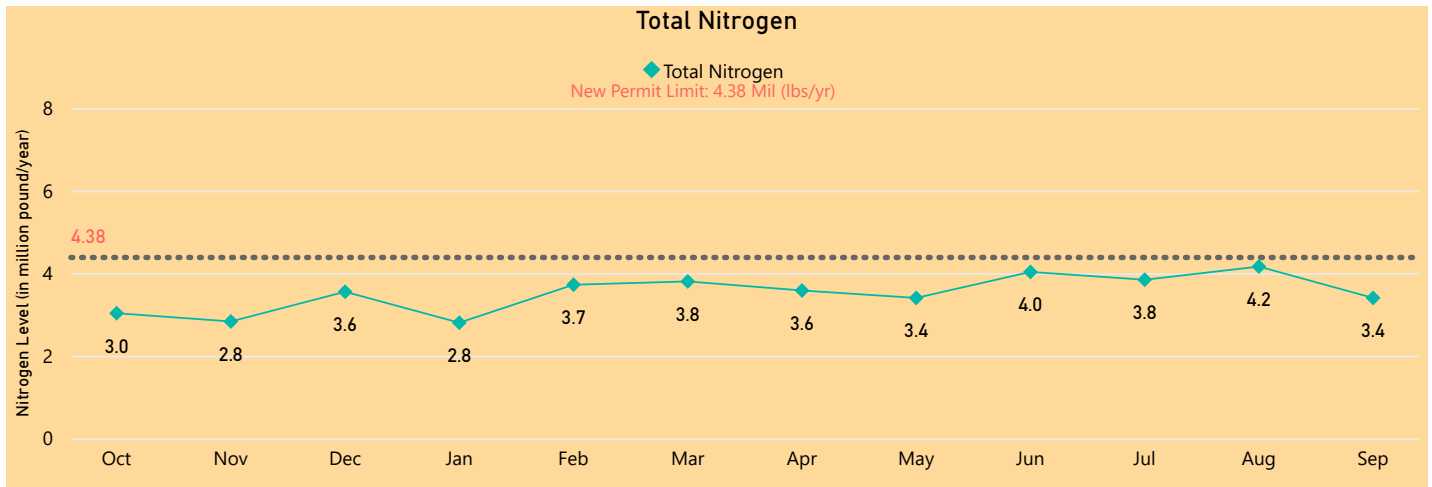
Wastewater treatment has the highest electricity consumption in Sep 2021 at 16994 KWh.

OPERATIONS AND ENGINEERING

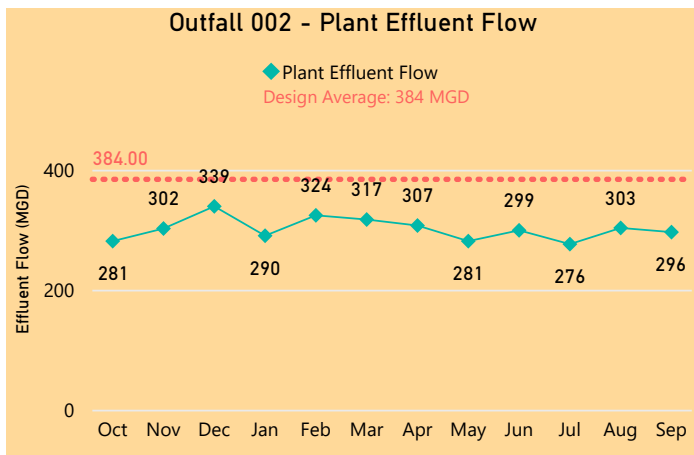
Wastewater Treatment



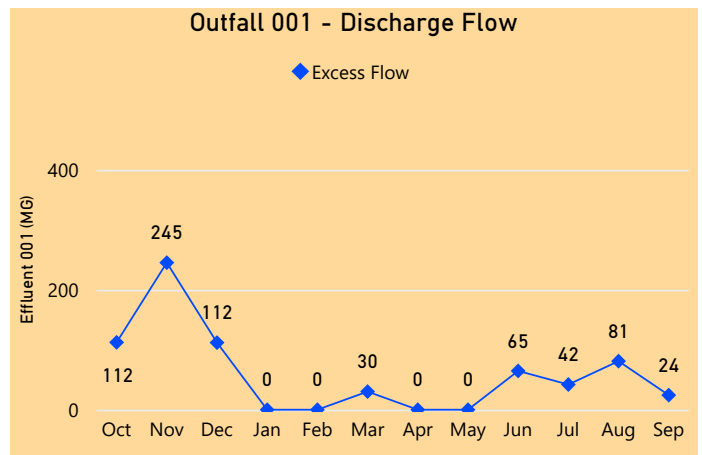
Biosolids daily production for Sep 2021 was 453.35 wet ton per day.



Nitrogen level for Sep 2021 was below permit by 0.98 million lbs/yr.



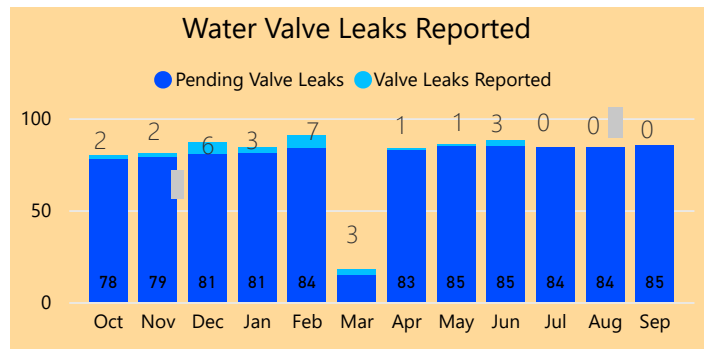
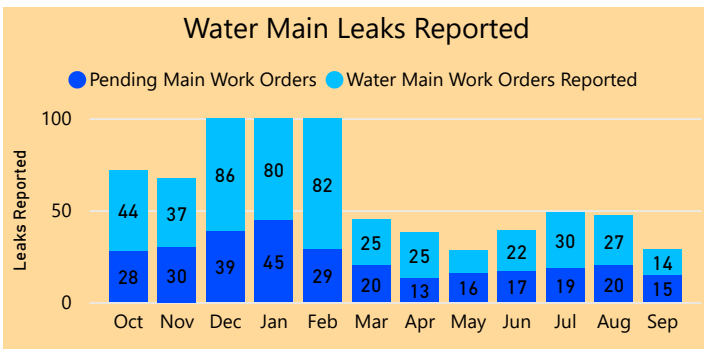
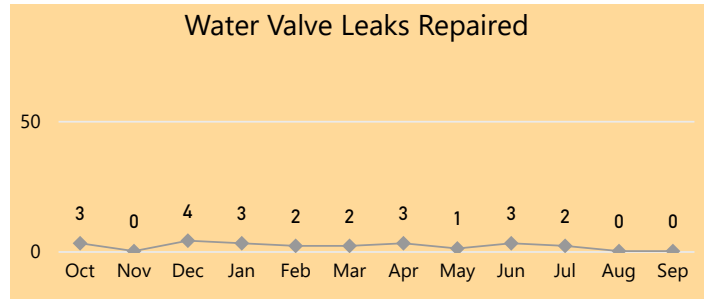
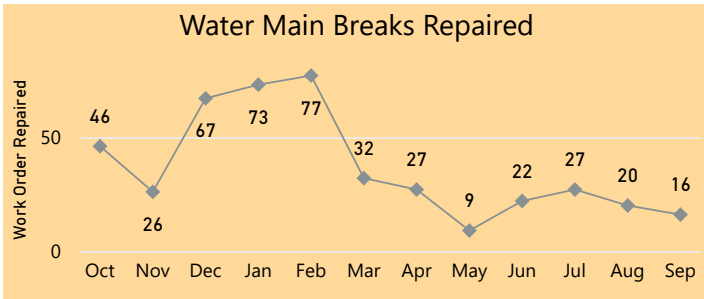
In Sep 2021 effluent flow was below permit by 88 MGD.



Excess flow events were recorded at 24.29 MG in Sep 2021.

OPERATIONS AND ENGINEERING

Water Distribution Operations

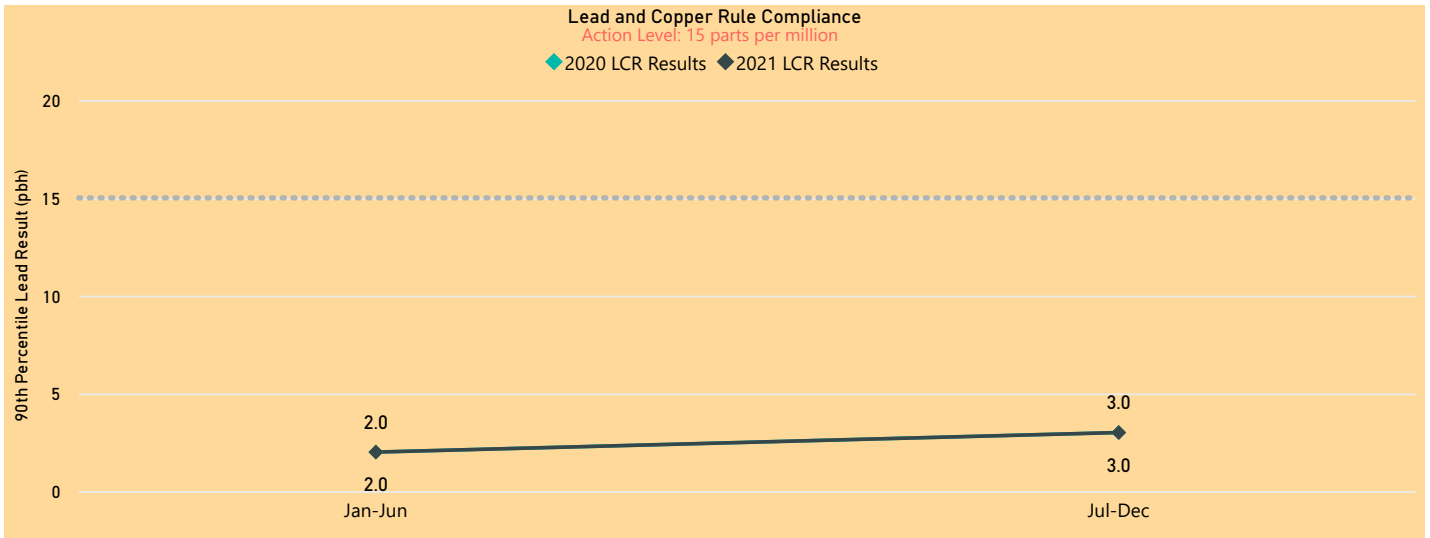


There were 14 Water Main Work Orders reported in September.

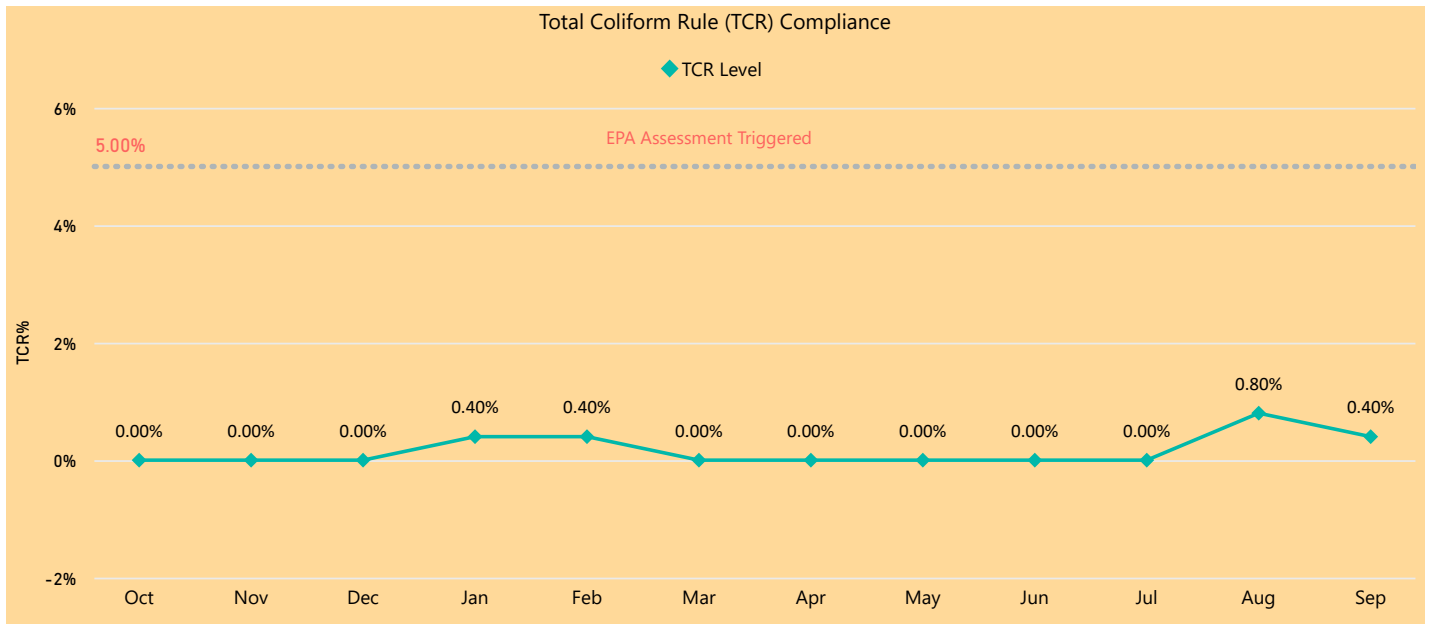
0 leaks were reported in September.

OPERATIONS AND ENGINEERING

Drinking Water Quality



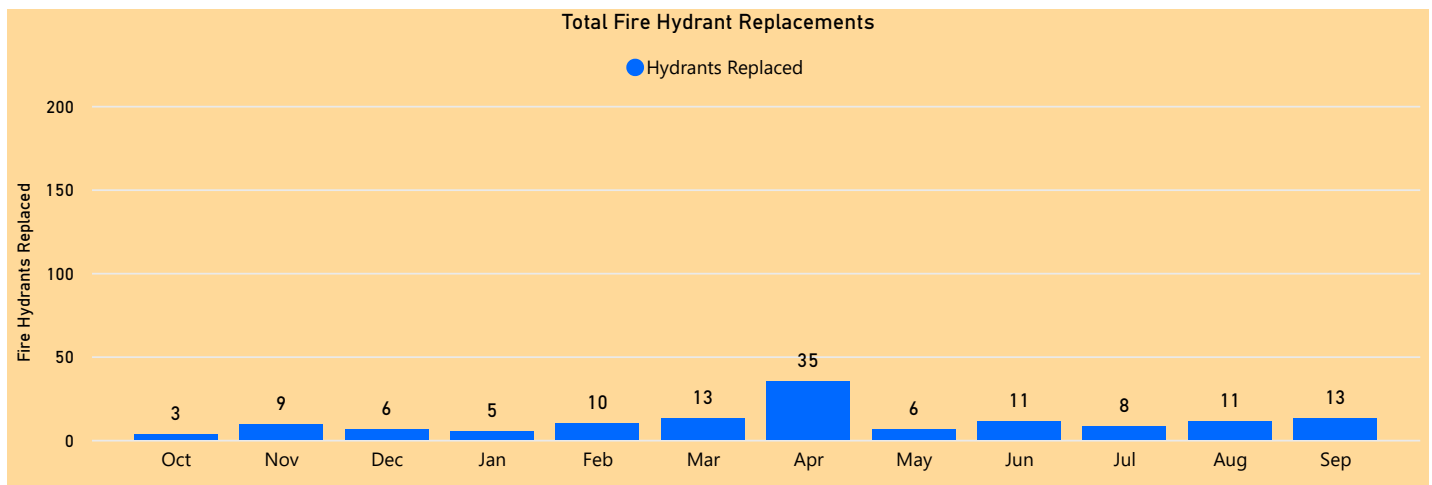
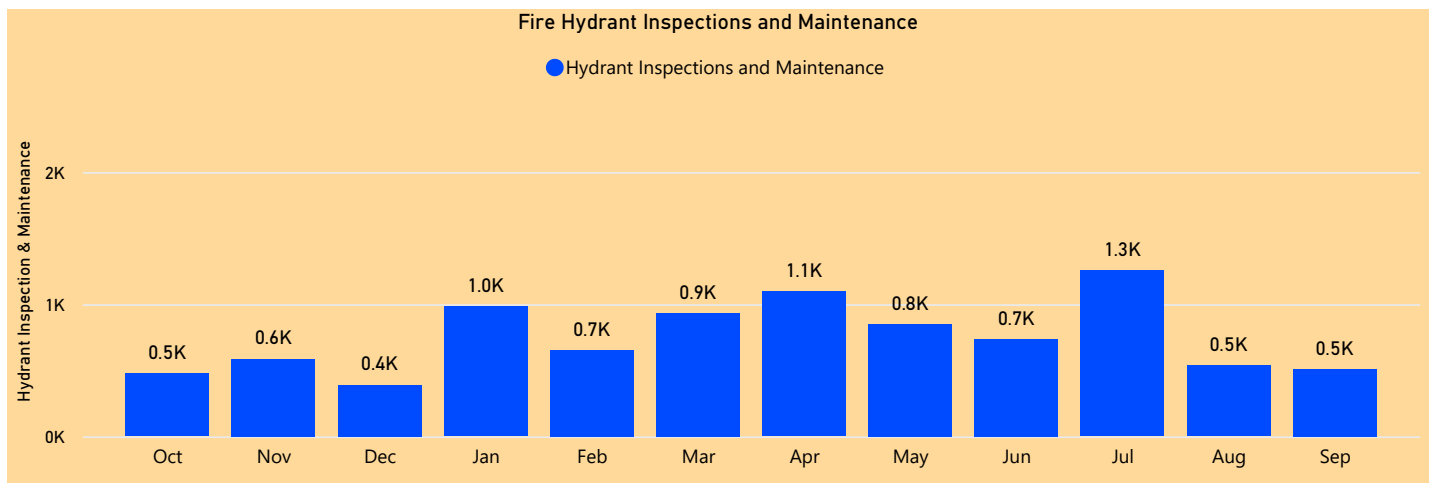
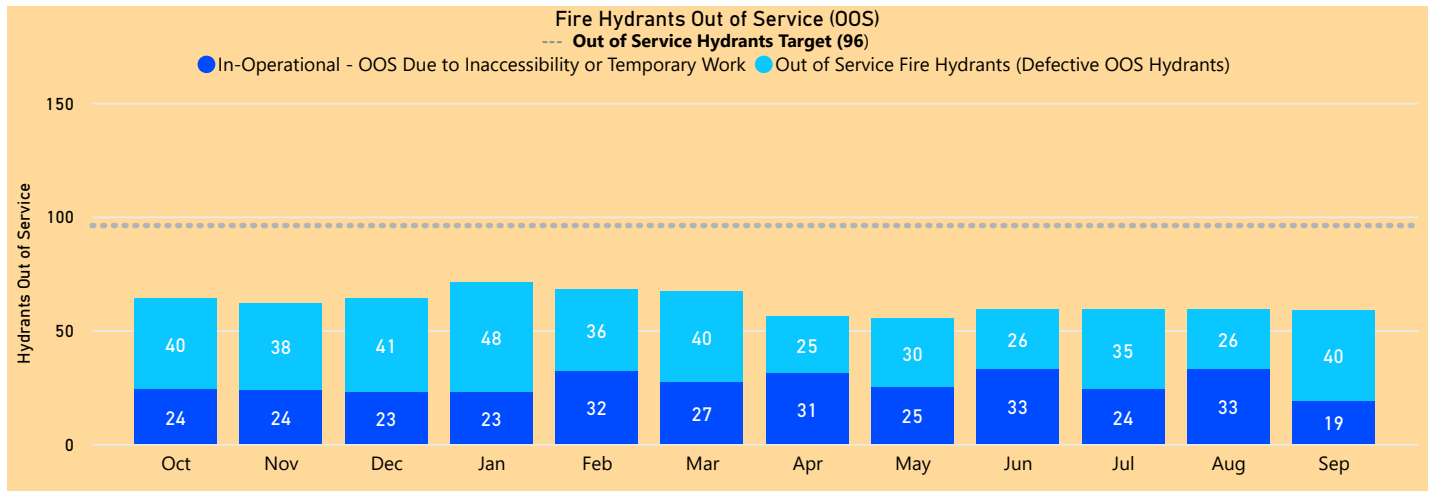
90th percentile of lead results for 2nd semester 2021 is 2.6 ppb



Coliform Positive was recorded at 0.004% for Sep 2021

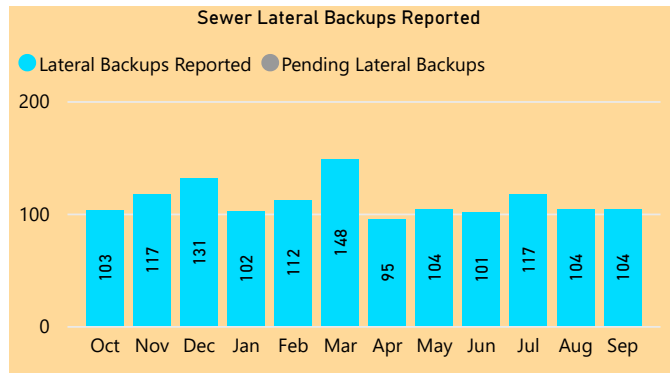
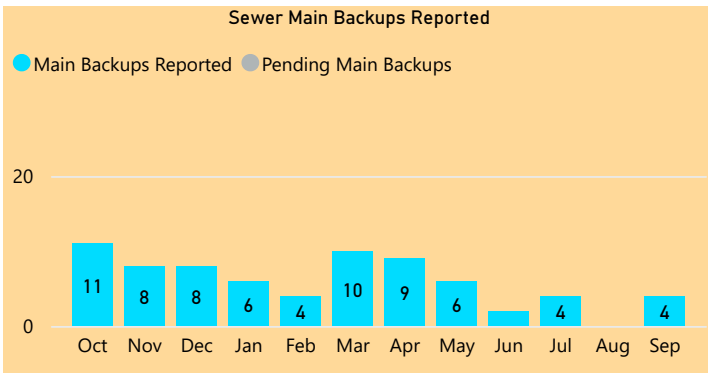
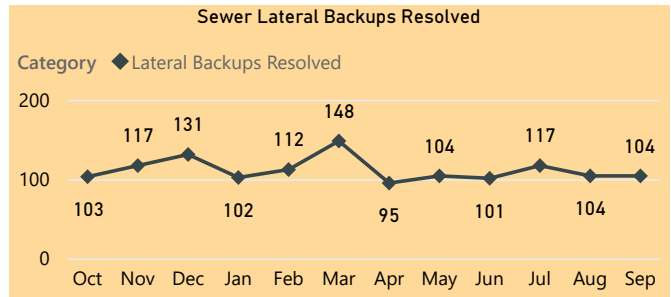
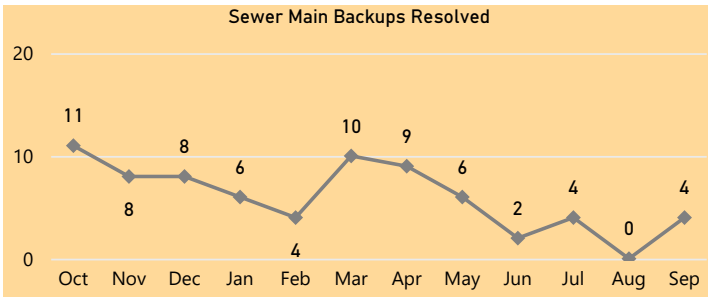
OPERATIONS AND ENGINEERING

Fire Hydrants



OPERATIONS AND ENGINEERING

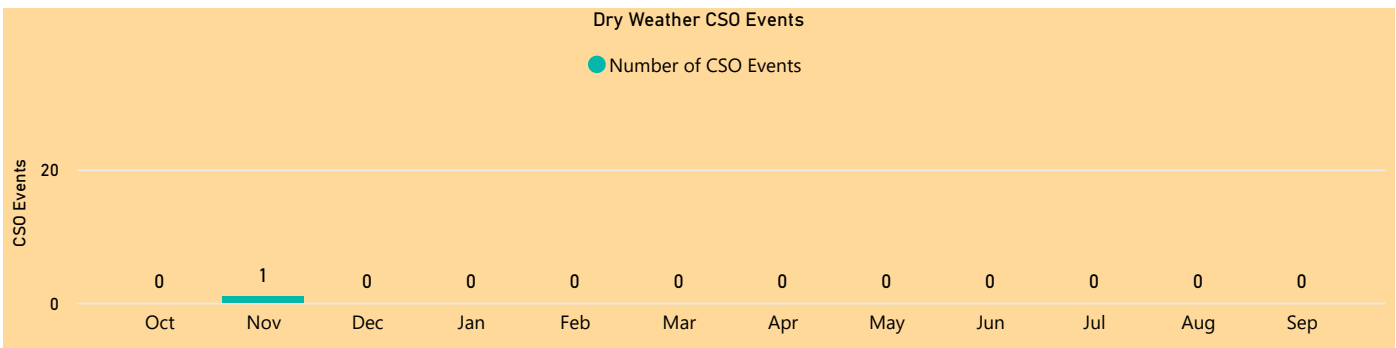
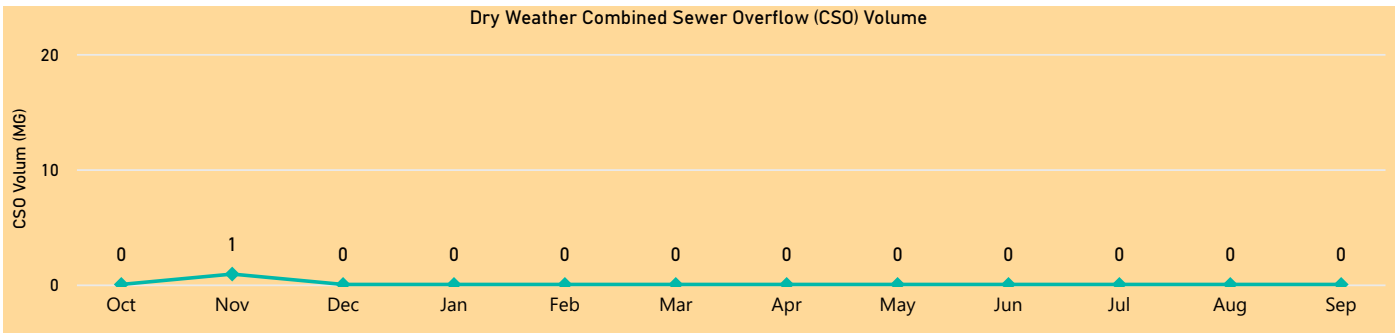
Sewer System Operations



0 pending main backup(s) reported

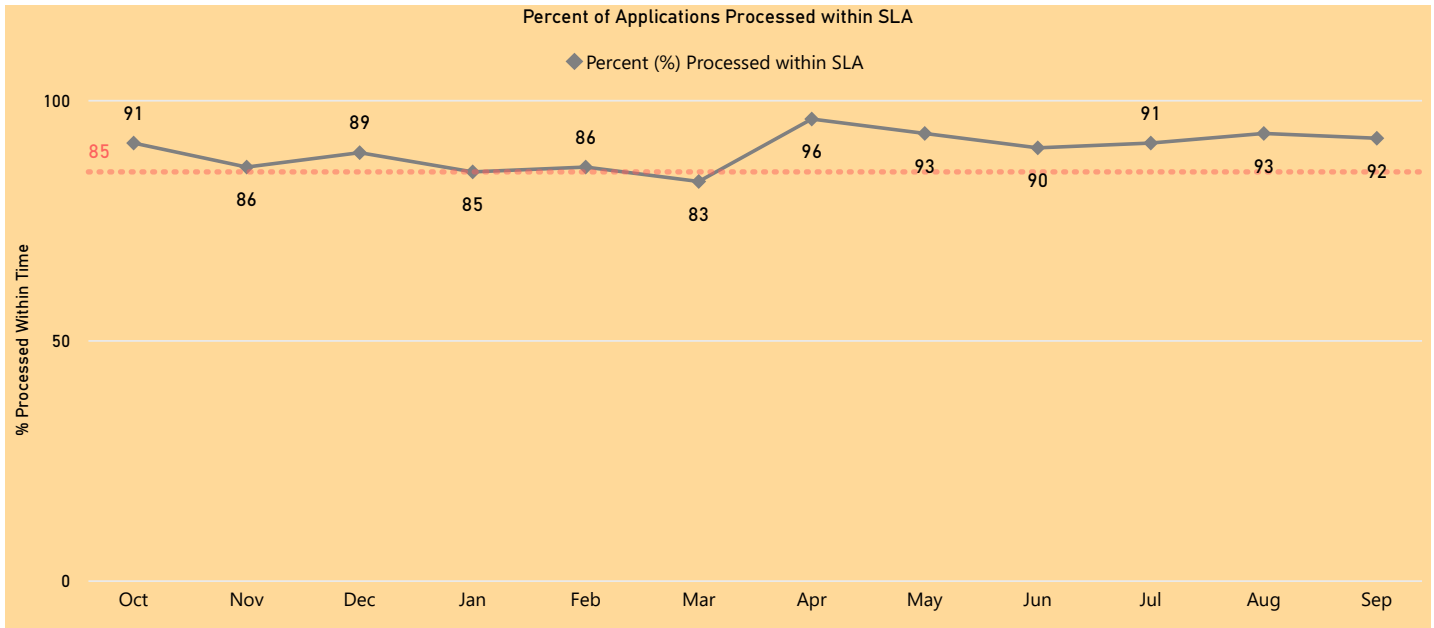
0 pending lateral backup(s) reported

Combined Sewer System

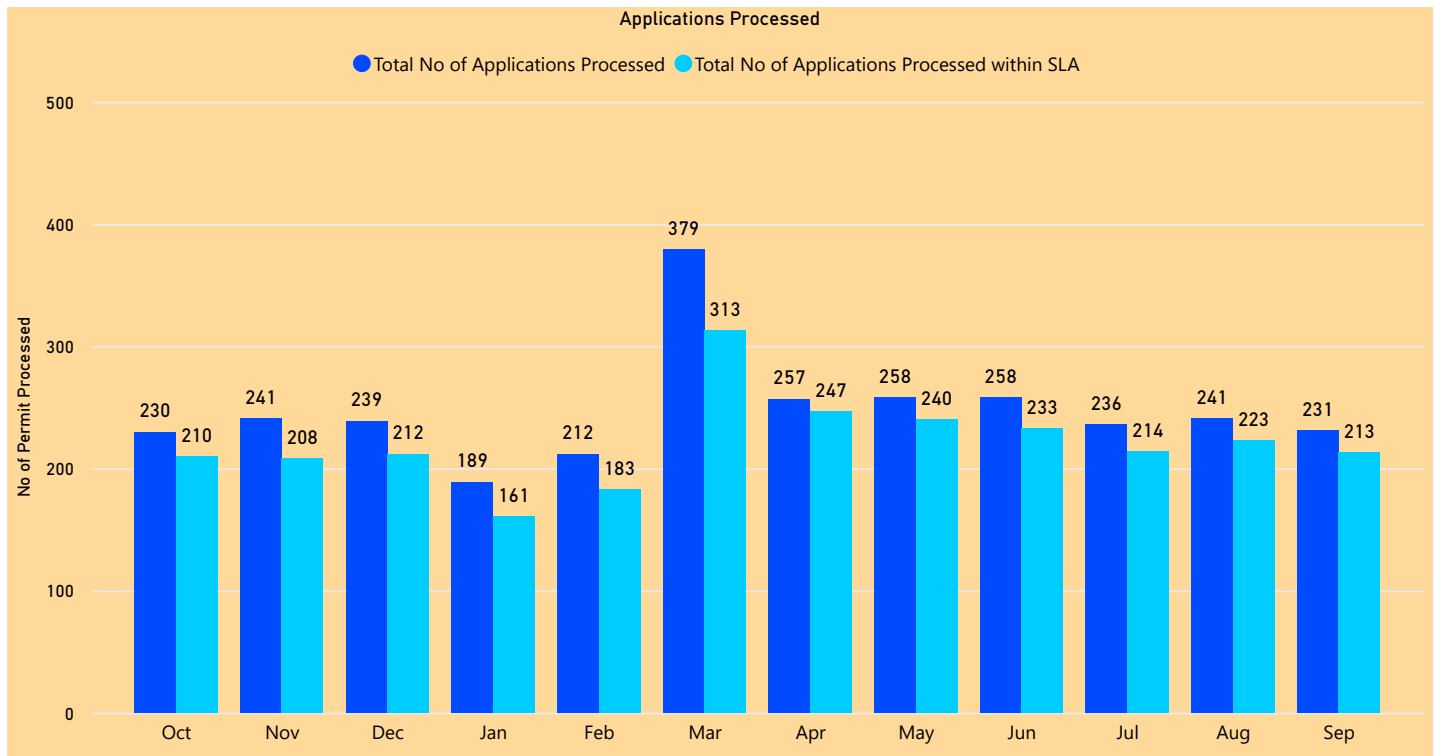


OPERATIONS AND ENGINEERING

Permit Processing

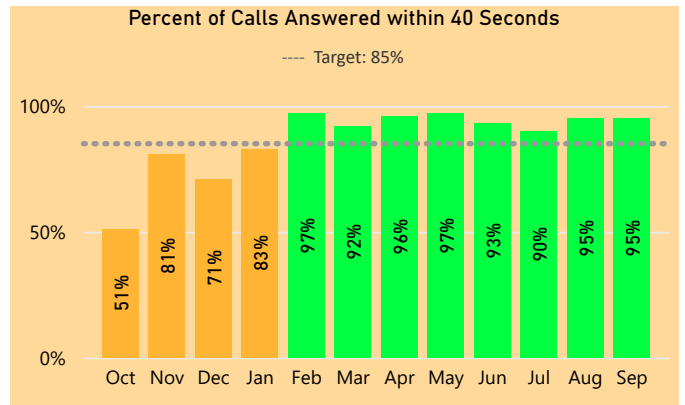
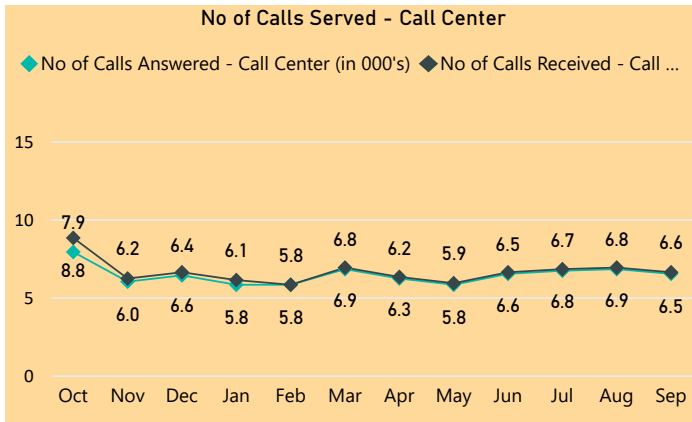


Permits processed in Sep 2021 were 7% above the SLA target 85%



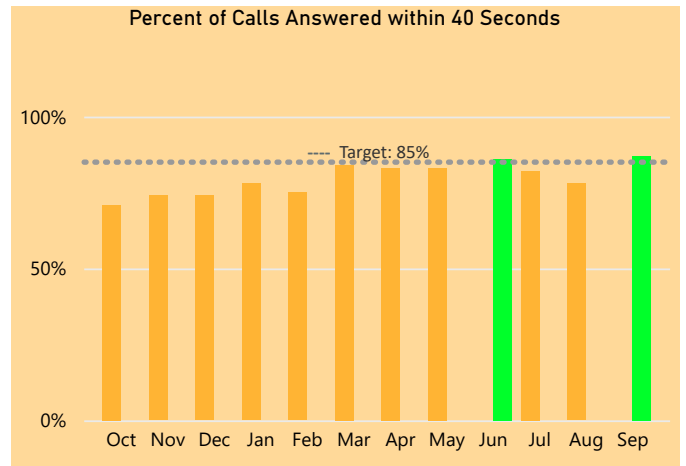
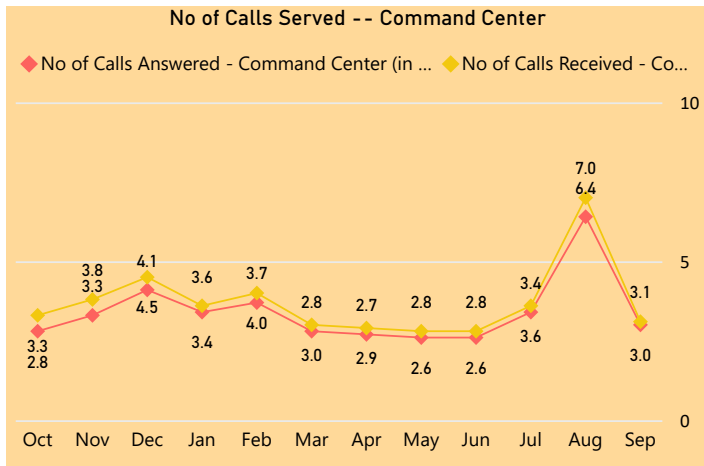
CUSTOMER EXPERIENCE

Customer Care - Call Center Performance



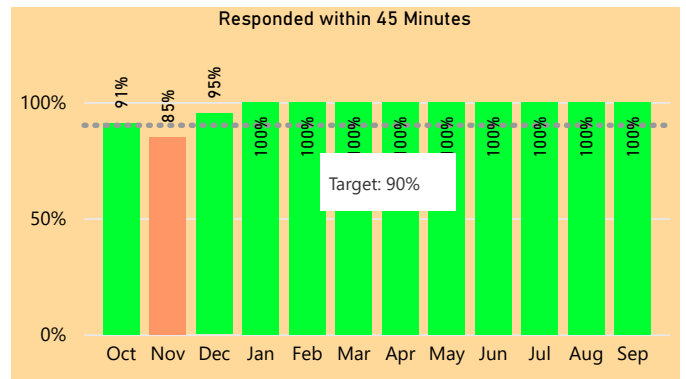
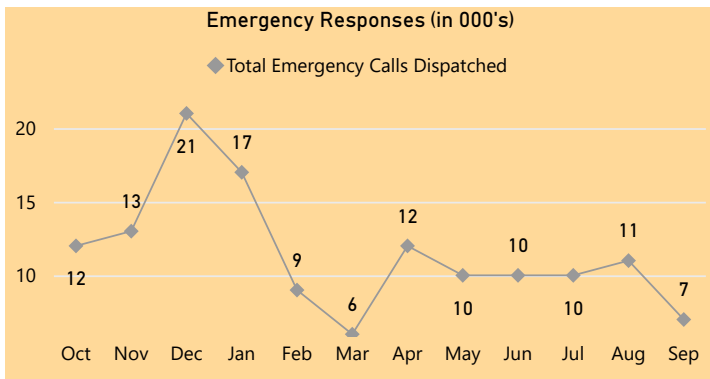
Call Center was above target by 10%.

Customer Care - Command Center Performance



Command Center was above target by 2%.

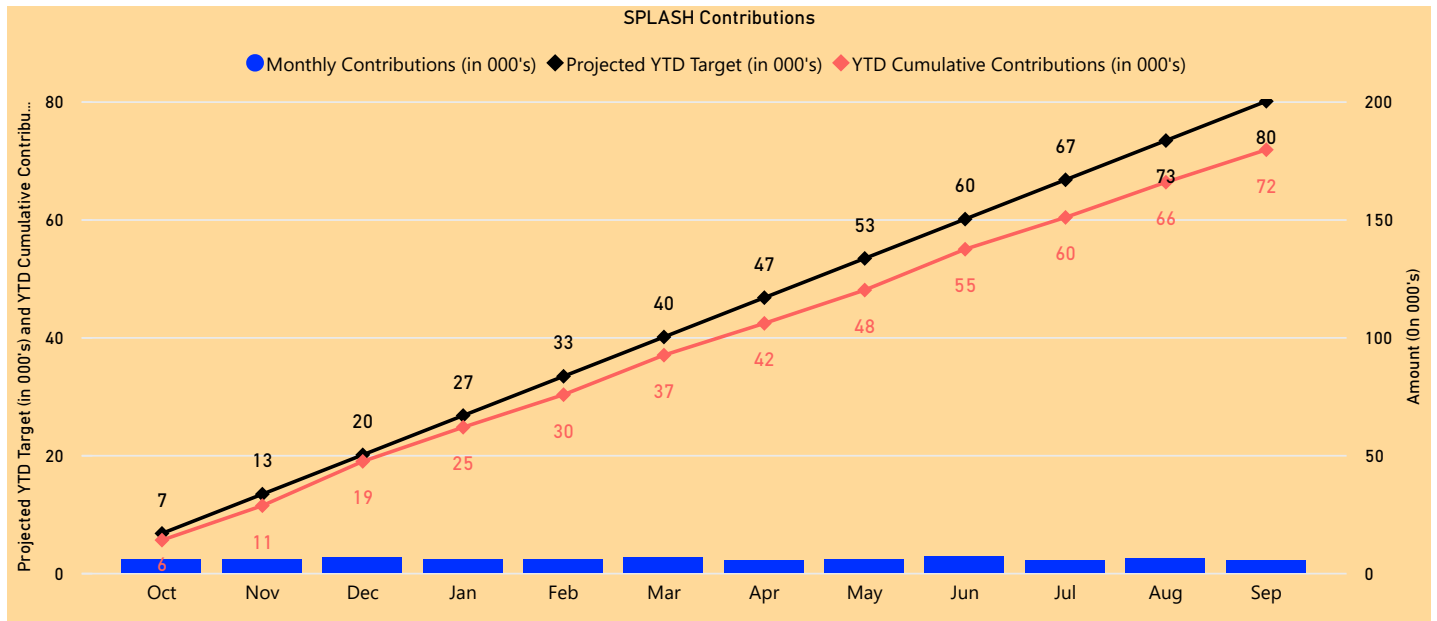
Customer Care - Emergency Response Time



Performance for Sep 2021 was above target by 10%.

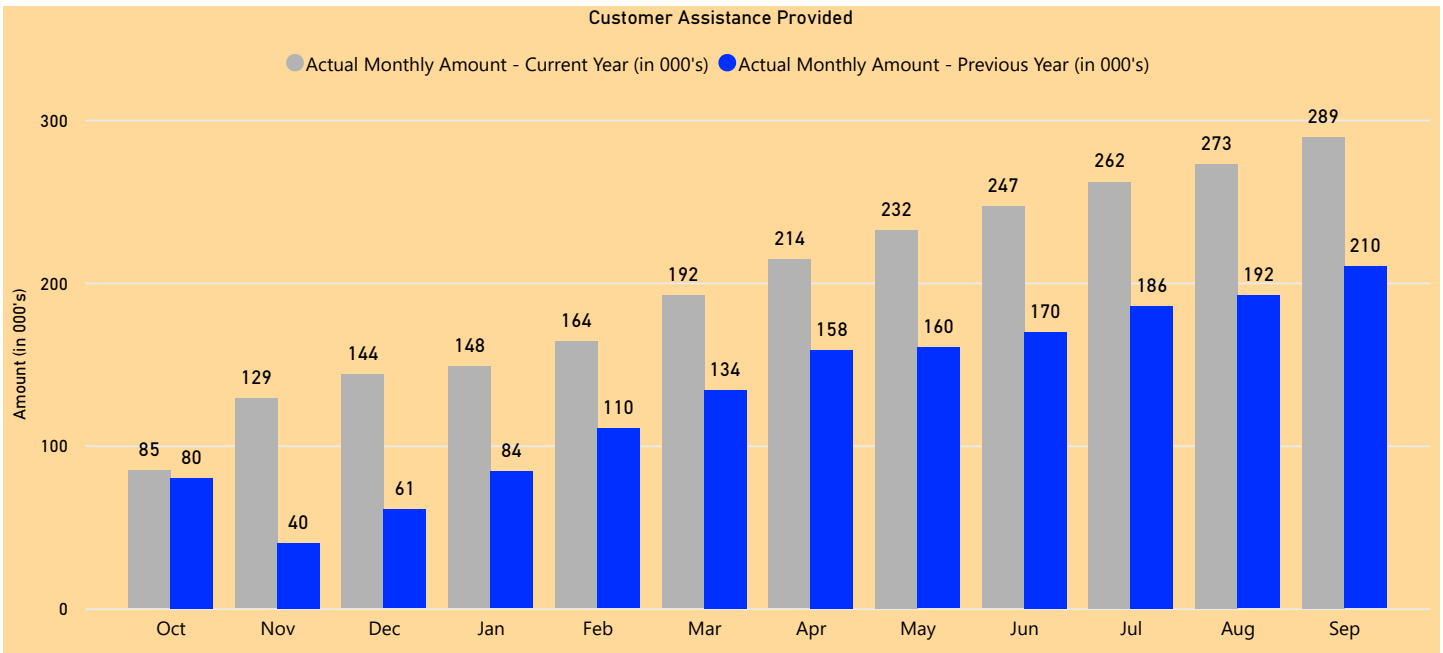
LOW INCOME ASSISTANCE PROGRAM

SPLASH Program



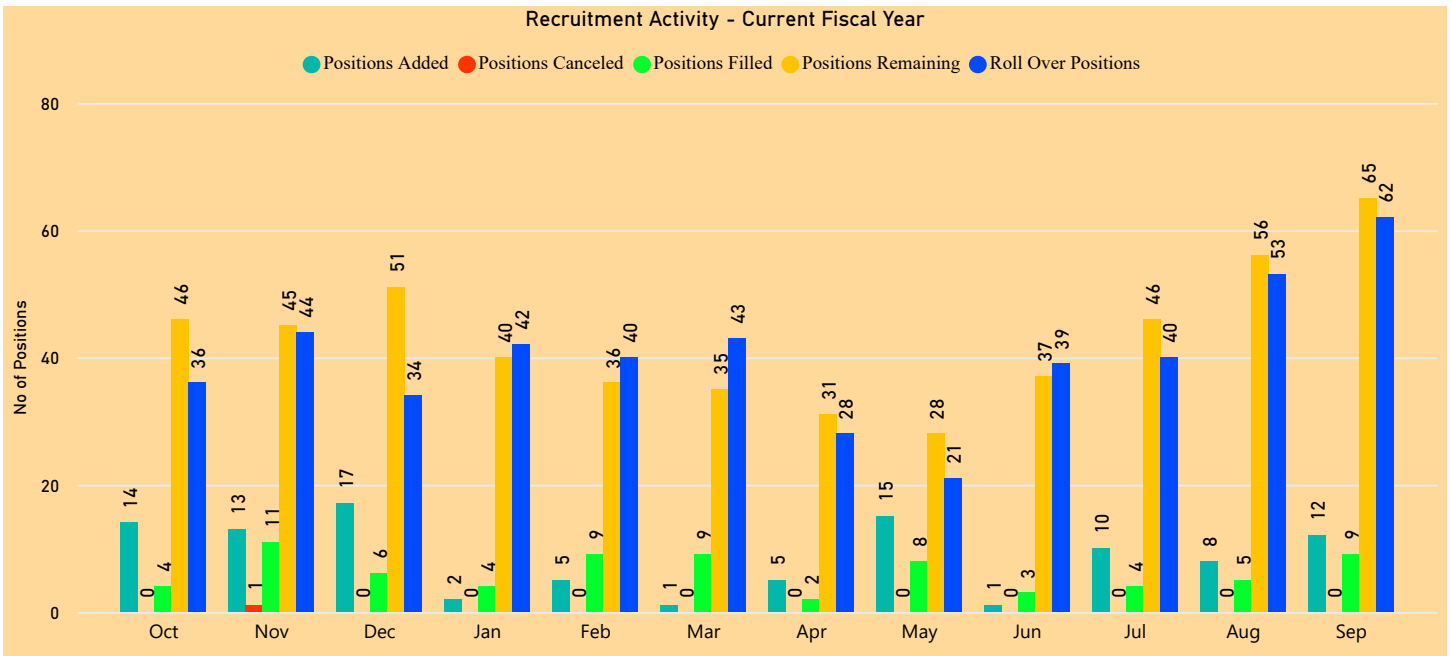
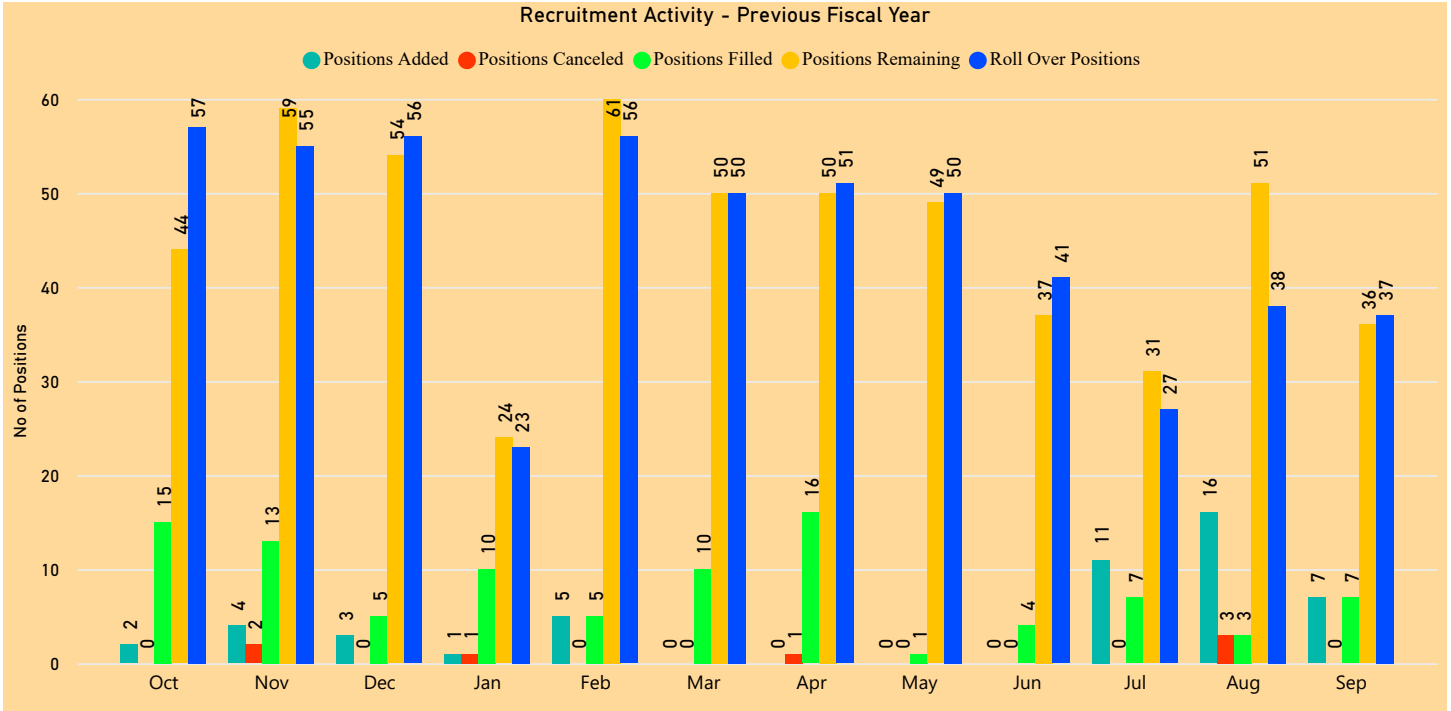
Total SPASH contribution to date for Sep 2021 was under target by \$8230.

Customer Assistance Program (CAP)



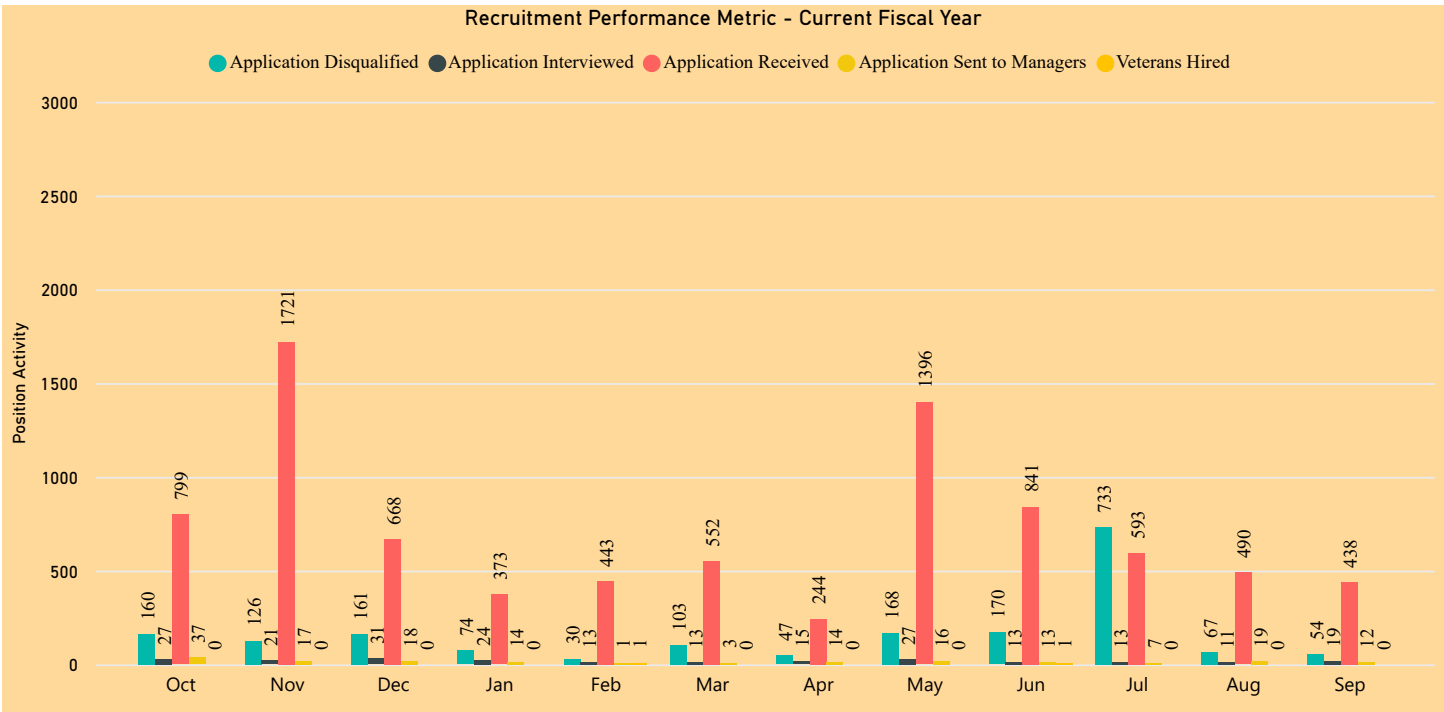
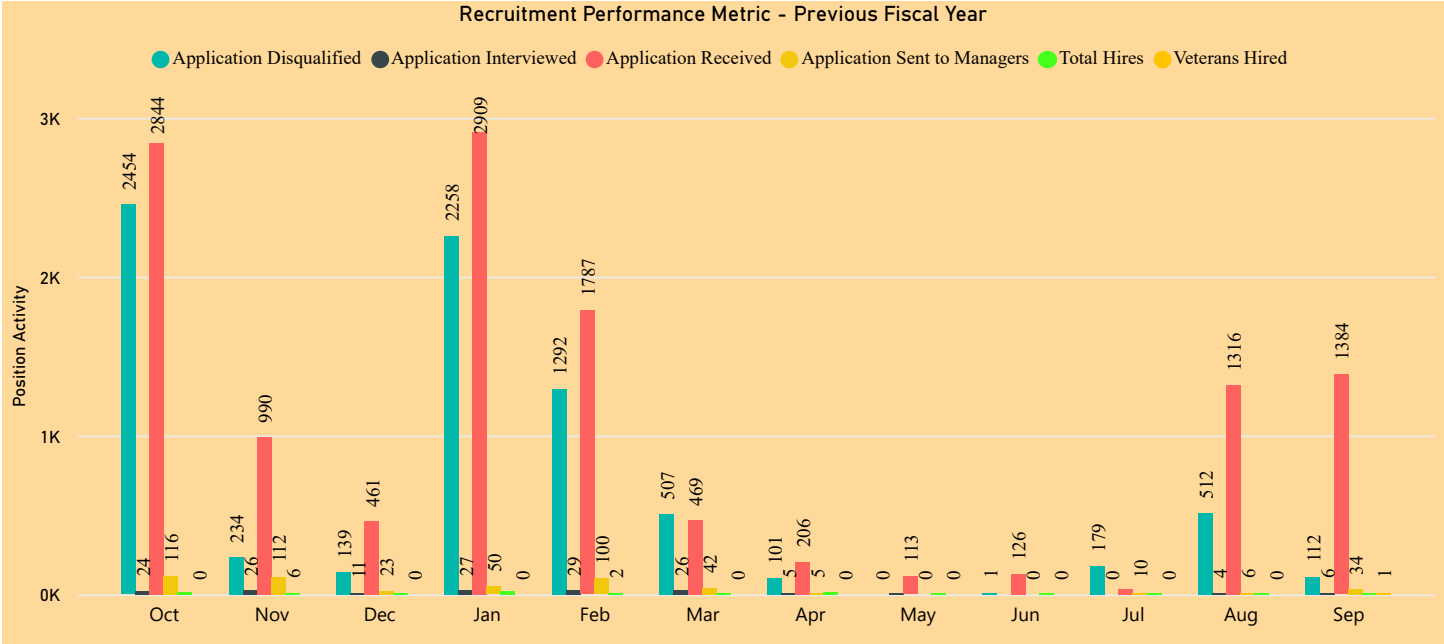
PEOPLE AND TALENT

Human Resources



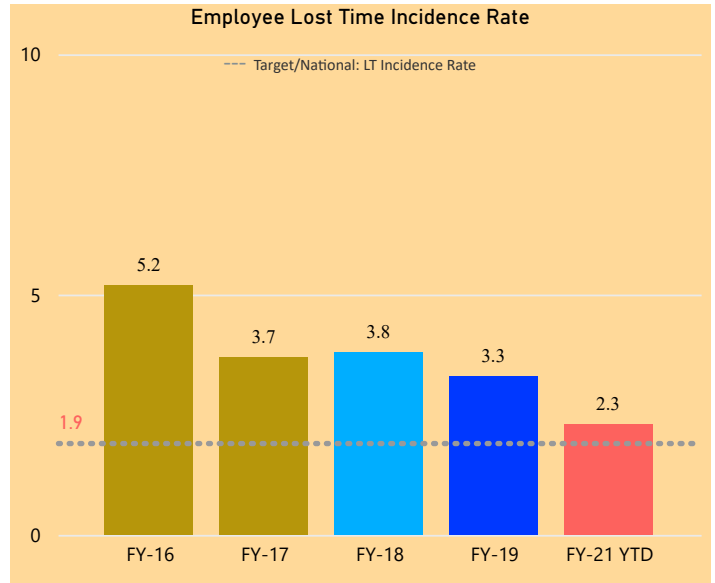
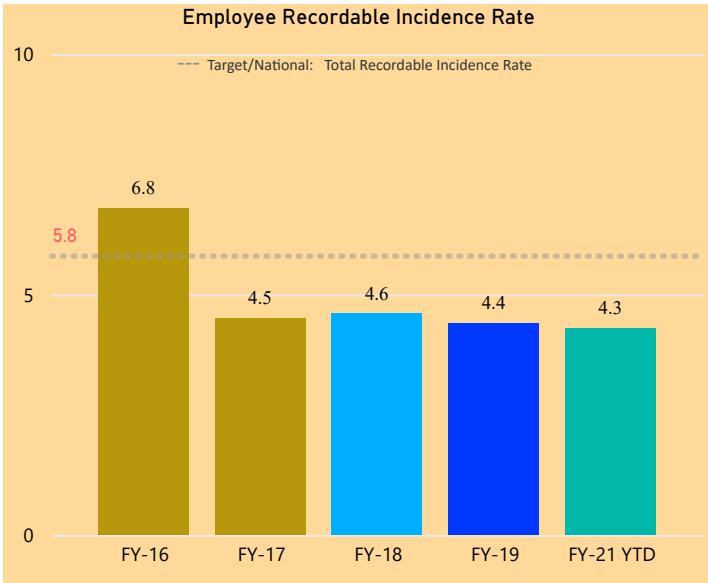
PEOPLE AND TALENT

Human Resources



ADMINISTRATION

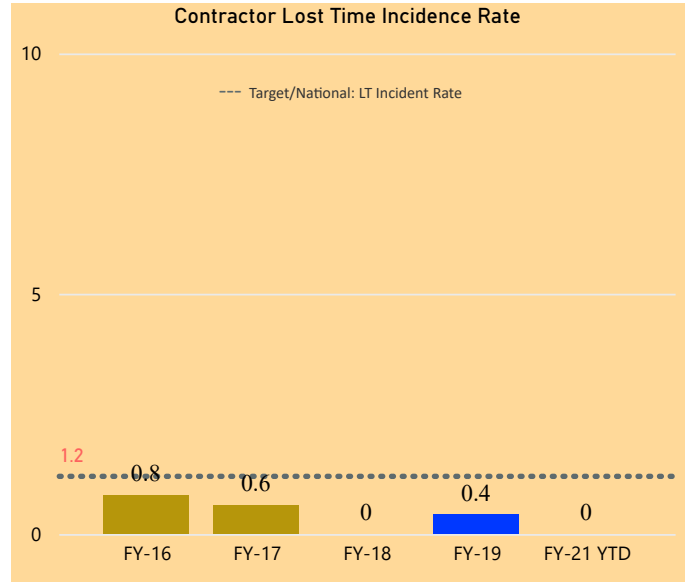
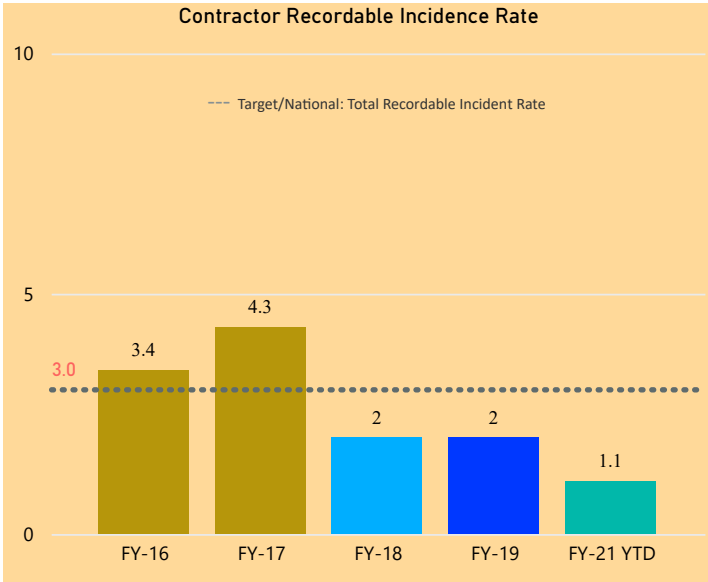
Safety



There have been 27 lost time incidents in FY 2021 YTD

ADMINISTRATION

Safety



There have been 0 lost time incidents in FY 2021 YTD.

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

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

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

A

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 %.

OPERATIONS & ENGINEERING

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

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

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

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****

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

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, □)

- 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

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 Per Month

- 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***

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

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, □)

CUSTOMER EXPERIENCE

CUSTOMER CARE

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

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***

PEOPLE AND TALENT

HUMAN RESOURCES

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.

Dynamic Color Coding Legend

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

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

ADMINISTRATION

SAFETY

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, □)



**Summary of Contracts on Consent Agenda
280th Meeting of the DC Water Board of Directors
Thursday, November 4, 2021**

Joint-Use Contracts

Resolution No. 21-90, execute Contract No. 200110, Capitol Paving of DC Inc. The purpose of the contract is to permanently restore all paved and non-paved public space areas – roadways, sidewalks, tree spaces during infrastructure rehabilitation and replacement activities. The contract amount is \$21,880,658.

Resolution No. 21-91, execute Contract No. 10068, W.K. Merriman, Inc. The purpose of the contract is to supply and deliver calcium hydroxide. The calcium hydroxide is used in the Nitrification Facility to adjust pH. The contract amount for the base and two options years is \$1,720,000.

Resolution No. 21-92, execute Change Order Nos 01, 02, 03 and 04 of Contract No. 190070, HESS Construction & Engineering Services, Inc. The purpose of the change order is to cover additional work and delay caused by handling the debris and hazardous material and associated disposal at the new fleet facility. The change order amount is \$1,266,646.

Resolution No. 21-93, execute Contract No. DCFA #506B, Hazen and Sawyer, Inc. The purpose of the contract is to provide construction management services during construction of various projects in support of DC Water's Sewer and Water infrastructure 10-year Capital Improvement Program. The contract not-to-exceed amount is \$6,000,000 for the contract period of three years plus two renewal periods of one each year. The renewal periods will be approved at DC Water's sole discretion.

Resolution No. 21-94, execute Contract No. DCFA #506A, AECOM Technical Services, Inc. The purpose of the contract is to provide construction management services during construction of various projects in support of DC Water's Sewer and Water infrastructure 10-year Capital Improvement Program. The contract not-to-exceed amount is \$6,000,000 for the contract period of three years plus two renewal periods of one each year. The renewal periods will be approved at DC Water's sole discretion.

Resolution No. 21-95, execute funding for Task Orders 2 and 3 of Contract No. 19-PR-OCEO-24, ARUP-Deloitte. The purpose of the task orders is to furnish an Enterprise Risk Management program, a centralized Policies and Procedures program for the Authority and an environmental social and governance report in support of an upcoming bond sale. The contract amount is \$791,780.

Non-Joint Use Contracts

Resolution No. 21-100, execute Contract No.150140, Sagres Construction Corp. The purpose of the contract is to replace small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues across various locations within the District of Columbia. The contract not-to-exceed amount is \$10,887,767.

Resolution No. 21-101, execute Contract No.180010, Capitol Paving of DC Inc. The purpose of the contract is to replace small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues across various locations within the District of Columbia. The contract not-to-exceed amount is \$9,555,526.

Resolution No. 21-102, execute Contract No. 210040, Fort Myer Construction Corporation. The purpose of the contract is to provide construction of Division RC-B-Rock Creek Project B (Green Infrastructure) in support of DC Clean Rivers Project. The contract amount is \$15,856,873.

Presented and Adopted: November 4, 2021

SUBJECT: Approval to Execute Contract No. 200110, Capitol Paving of DC Inc.

**#21-90
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 Board meeting held on November 4, 2021 upon consideration of a joint use matter, decided by a vote of __() in favor and __() opposed to execute Contract No. 200110, Capitol Paving of DC Inc.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Contract No. 200110, Capitol Paving of DC Inc. The purpose of the contract is to permanently restore all paved and non-paved public space areas – roadways, sidewalks, tree spaces during infrastructure rehabilitation and replacement activities. The contract amount is \$21,880,658.

Secretary to the Board of Directors

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

**Public Space Restoration Contract
(Joint Use)**

Approval to execute a construction contract for \$21,880,658.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of DC Inc. 2211 Channing St., NE Washington, DC 20018	United Construction Services, LLC Washington, DC DBE	36.0%
	Royal Construction materials Mclean, VA WBE	10.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$21,880,658.00
Contract Time:	1096 Days (3 Years, 0 Months)*
Anticipated Contract Start Date (NTP):	01-05-2022
Anticipated Contract Completion Date:	01-06-2025
*Agreement also provides 2 option years	
Bid Opening Date:	06-21-2021
Bids Received:	3
Other Bids Received:	
Fort Myer Construction Corp	\$ 25,591,912.16
Metro Paving Corporation	N/A

Purpose of the Contract:

- DC Water is required to permanently restore all paved and non-paved public space areas - roadways, sidewalks, tree spaces, and other structures that are damaged or disturbed during infrastructure rehabilitation and replacement activities. The Public Space Restoration Contract provides permanent restoration and pavement services for Water and Sewer construction locations in public space.

Contract Scope:

- Restore and/or replace asphalt and concrete roadways, brick and concrete sidewalks, landscaped areas, and other miscellaneous replacement activities that result from excavations performed in public space.
- Scope of work is developed and issued as a task order and as needed. Restoration work is at various locations throughout Washington, DC.
- The nature, extent, and location of the work for each task order varies.
- On average the water and sewer operations generate 1,700 public space restorations task orders annually.

PROCUREMENT INFORMATION			
Contract Type:	Unit Price	Award Based On:	Request for Proposal, Best Value
Commodity:	Construction	Contract Number:	200110
Contractor Market:	Open Market		

BUDGET INFORMATION			
Funding:	Capital	Department:	Water Services & Sewer Services
Service Area:	Water, Sanitary	Department Head:	Jason Hughes
Project:	M8,M9,MG,NV,PI,MF,NW,OX,BW,KX,KY,KZ,LI,GQ		

**ESTIMATED USER SHARE INFORMATION		
User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 21,880,658.00
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%	\$ 21,880,658.00

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

**Salil M
Kharkar**

Digitally signed by Salil M Kharkar
DN: dc=com, dc=dcwasa, ou=WASA
Users, ou=Waste Water Operations,
cn=Salil M Kharkar,
email=Salil.Kharkar@dcwater.com
Date: 2021.10.13 09:30:31 -04'00'

Salil Kharkar _____ Date
Senior Technical Advisor to COO



Dan Bae
C=US, E=dan.bae@dcwater.com,
O=District of Columbia Water and Sewer
Authority, OU=VP of Procurement &
Compliance, CN=Dan Bae
2021.10.13 10:14:16-04'00'

Dan Bae _____ Date
VP Director of Procurement

Matthew T. Brown

Digitally signed by Matthew T.
Brown
Date: 2021.10.13 16:07:46 -04'00'

Matthew T. Brown _____ Date
CFO and EVP
Finance and Procurement

David Gadis

Digitally signed by David Gadis
DN: cn=David Gadis, o, ou,
email=David.Gadis@dcwater.com, c=US
Date: 2021.10.22 16:44:03 -04'00'

David L. Gadis _____ Date
CEO and General Manager

Presented and Adopted: November 4, 2021
SUBJECT: Approval to Execute Contract No. 10068,
W.K. Merriman, Inc.

#21-91
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
D.C. WATER AND SEWER AUTHORITY

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its Board meeting held on November 4, 2021 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Contract No. 10068, W.K. Merriman, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Contract No. 10068, W.K. Merriman, Inc. The purpose of the contract is to supply and deliver calcium hydroxide. The calcium hydroxide is used in the Nitrification Facility to adjust pH. The contract amount for the base and two options years is \$1,720,000.

Secretary to the Board of Directors

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD

**CALCIUM HYDROXIDE
(Joint Use)**

Approval to award and fund a contract for the supply and delivery of calcium hydroxide (also called "lime slurry") in the amount of \$1,720,000.00 for the base and two option years.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: W.K. Merriman, Inc. 8038 Front River Road Pittsburgh, PA 15225 WBE Certified	SUBS: N/A	PARTICIPATION: WBE – 100%
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DESCRIPTION AND PURPOSE

Base Period Contract Value:	\$550,000.00
Base Period Contract Dates:	12-01-2021 – 11-30-2022
No. of Option Years in Contract:	2
Total Option Year 1-2 Value:	\$1,170,000.00
Option Year 1-2 Dates:	12-01-2022 – 11-30-2024
Number of Proposals Received	1

Purpose of the Contract:

To supply and deliver calcium hydroxide. The calcium hydroxide is used in the Nitrification Facility to adjust pH.

Contract Scope:

This contract is to provide calcium hydroxide to the Blue Plains Advanced Wastewater Treatment Facility for DC Water’s Department of Wastewater Treatment (DWT). DWT has an ongoing need for calcium hydroxide in slurry form to feed the Nitrification Facility at the Blue Plains Wastewater Treatment Plant. The product is used in the Biological Nutrient Removal process for pH control.

Option years will be exercised annually.

Supplier Selection:

An RFP solicitation for DC Water’s ongoing calcium hydroxide requirement was issued to the open market with 2% DBE and 0% WBE utilization goals. Only one company (W.K. Merriman) responded to the solicitation. W.K. Merriman, a WBE certified company, is the incumbent of current calcium hydroxide contract. DC Water is satisfied with W.K. Merriman’s timeliness of deliveries and conformance to the requirements of the current contract.

PROCUREMENT INFORMATION

Contract Type:	Good and Services	Award Based On:	Best Value
Commodity:	Calcium Hydroxide	Contract Number:	10068
Contractor Market:	Open Market with goals for DBE/WBE Participation		

BUDGET INFORMATION

Funding:	Operating	Department:	Wastewater Treatment
Project Area:	Blue Plains AWTP	Department Head:	Akile Tesfaye

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	42.79%	\$735,988.00
Washington Suburban Sanitary Commission	41.94%	\$721,368.00
Fairfax County	9.83%	\$169,076.00
Loudoun Water	4.85%	\$83,420.00
Potomac Interceptor	0.59%	\$10,148.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$1,720,000.00

 / 9-29-21
 Akile Tesfaye Date
 VP of Wastewater Operations

 Dan Bae
C=US, E=dan.bae@dcwater.com,
O=District of Columbia Water and
Sewer Authority, OU=VP of
Procurement & Compliance, CN=Dan
Bae
2021.09.29 14:14:58,04'00'
 Dan Bae Date
 VP of Procurement and Compliance

Matthew T. Brown Digitally signed by Matthew T. Brown
Date: 2021.10.14 11:36:05 -04'00'
 Matthew T. Brown Date
 CFO and EVP of Finance and Procurement

David Gadis Digitally signed by David Gadis
DN: cn=David Gadis, o, ou,
email=David.Gadis@dcwater.com, c=US
Date: 2021.10.22 16:43:24 -04'00'
 David L. Gadis Date
 CEO and General Manager

Presented and Adopted: November 4, 2021

SUBJECT: Approval to Execute Change Order Nos 01, 02, 03 and 04 of Contract No. 190070, HESS Construction & Engineering Services, Inc.

**#21-92
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 Board meeting held on November 4, 2021 upon consideration of a joint use matter, decided by a vote of __() in favor and __() opposed to execute Change Order Nos 01, 02, 03 and 04 of Contract No. 190070, HESS Construction & Engineering Services, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Change Order Nos 01, 02, 03 and 04 of Contract No. 190070, HESS Construction & Engineering Services, Inc. The purpose of the change order is to cover additional work and delay caused by handling the debris and hazardous material and associated disposal at the new fleet facility. The change order amount is \$1,266,646.

Secretary to the Board of Directors

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

ACTION REQUESTED

CONSTRUCTION CONTRACT CHANGE ORDER:

**DC Water Fleet Maintenance Facility
(Joint Use)**

Approval to execute Change Order No's. 01, 02, 03 and 04 with a cumulative value of \$1,266,646.00. The modification exceeds the Chief Executive Officer's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
HESS Construction & Engineering Services, Inc. 804 West Diamond Ave. Suite 200 Gaithersburg, MD 20818	See Attachment A for list of DBE/WBE participants	

DESCRIPTION AND PURPOSE

Original Contract Value:	\$17,800,000.00
Value of this Change Order:	\$1,266,646.00
Cumulative CO Value, including this CO:	\$1,266,646.00
Current Contract Value, including this CO:	\$19,066,646.00
Original Contract Time:	330 Days (11 Months)
Time extension, this CO:	289 Days
Total CO contract time extension:	289 Days (9.5 Months)
Contract Start Date (NTP):	01-06-2020
Anticipated Contract Completion Date:	04-22-2022
Cumulative CO % of Original Contract:	7.1%
Contract completion %:	60%

Purpose of the Contract:

To construct a new fleet facility at Walker Mill Road, in Prince Georges County Maryland in accordance with agreement between DC Water and the District of Columbia to relocate Fleet operations from 125 O Street SE.

Original Contract Scope:

- To construct a 26,200 square feet Fleet Maintenance Facility on 6.25 acres site on Walker Mill Road Prince Georges County Maryland. Of the 6.25 acres approximately 3.51 will be developed as part of the project for the building and site. Remaining area is partly wet-land and/or to be used for future needs.

Previous Change Order Scope:

- N/A

Current Change Order Scope:

- The existing site was found to be on a debris field with some locations containing hazardous material. This change order covers the additional work and delay caused by handling the debris and hazardous material and associated disposal, specifically:
 - Removal of 3 feet of debris and unsuitable soil from under the building slab.
 - Excavated entire site (parking lot and landscape areas) and removed contaminated, unsuitable and debris filled soil to natural or suitable soil.
 - Imported suitable fill to an equal amount of the debris filled dirt that was removed from site.

- Removed additional unsuitable material below the building footings, maintenance bays and column footings then install Geotech fabric and imported fill to design elevation.
- Installed a double and single fabric liner to bio ponds side walls, and 30 mil PVC liner to entire pond area to mitigate potential additional contamination.
- 24 day delay resulting in additional contractor's general conditions costs.
- Following discovery of the unsuitable fill and potentially contaminated ground the permit was amended causing a 209 day delay and resulting in additional contractor's general conditions costs
- Notice to proceed was issued prior to permit approval causing a 56 day delay resulting in additional contractor's general conditions costs.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	190070
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Non-Process Facility	Department Head:	Mark Babbitt (Acting)
Project:	HH		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	87.69%	\$1,110,721.88
Washington Suburban Sanitary Commission	8.43%	\$ 106,778.26
Fairfax County	2.48%	\$ 31,412.82
Loudoun County & Potomac Interceptor	1.40%	\$ 17,733.04
Total Estimated Dollar Amount	100.00%	\$1,266,646.00

**Salil M
Kharkar**

Digitally signed by Salil M Kharkar
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ou=WASA Users, ou=Waste Water
Operations, cn=Salil M Kharkar,
email=Salil.Kharkar@dwater.com
Date: 2021.10.08 13:35:01 -04'00'

Salil Kharkar Date
Senior Technical Advisor to COO



Digitally signed by Dan Bae
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O=District of Columbia Water and
Sewer Authority, OU=VP of
Procurement & Compliance,
CN=Dan Bae
Date: 2021.10.12 16:37:44 -04'00'

Dan Bae Date
VP Director of Procurement

**Matthew
T. Brown**

Digitally signed by
Matthew T. Brown
Date: 2021.10.13
16:53:21 -04'00'

Matthew T. Brown Date
CFO and EVP
Finance and Procurement

**David
Gadis**

Digitally signed by David Gadis
DN: cn=David Gadis, o, ou,
email=David.Gadis@dwater.com
, c=US
Date: 2021.10.22 16:45:24 -04'00'

David L. Gadis Date
CEO and General Manager

**CONSTRUCTION CONTRACT CHANGE ORDER:
 CONTRACT NUDBER:190070
 DC WATER FLEET MAINTENANCE FACILITY
 ATTACHMENT A- SUBCONTRACTOR LISTING
 PARTICIPATION AND DOLLAR AMOUNT**

SUBCONSULTANT:	PARTICIPATION:	
<u>DBE/WBE:</u>		
C&H Mechanical Annapolis, MD	DBE	7.0%
Ironshore Contracting Baltimore, MD	DBE	4.5%
Matai Construction Silver Springs, MD	DBE	1.9%
Geotech Engineers Beltsville, MD	DBE	0.5%
Paragon Chantilly, VA	DBE	0.4%
Jett Caulking Glen Burnie, MD	DBE	0.3%
Debra's Glass Rockville, MD	WBE	2.7%
Oelmann Electric Supply Lutherville, MD	WBE	1.3%
Century Fence Construction Upper Marlboro, MD	WBE	1.1%
Gryphon Tile Middletown, VA	WBE	0.4%
Steel Products Rockville, MD	WBE	0.1%

Presented and Adopted: November 4, 2021

SUBJECT: Approval to Execute Contract No. DCFA #506B, Hazen and Sawyer, Inc.

**#21-93
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 Board meeting held on November 4, 2021 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Contract No. DCFA #506B, Hazen and Sawyer, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Contract No. DCFA #506B, Hazen and Sawyer, Inc. The purpose of the contract is to provide construction management services during construction of various projects in support of DC Water's Sewer and Water infrastructure 10-year Capital Improvement Program. The contract not-to-exceed amount is \$6,000.000 for the contract period of three years plus two renewal periods of one each year. The renewal periods will be approved at DC Water's sole discretion.

Secretary to the Board of Directors

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

ACTION REQUESTED

ENGINEERING SERVICES

**Construction Management for Water & Sewer System Infrastructure (BOA),
Basic Ordering Agreement**

Joint Use

Approval to execute an architectural and engineering services contract not to exceed \$6,000,000.00 for the contract period of three years plus two renewal periods of one year each. The renewal periods will be approved at DC Water's sole discretion.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Hazen and Sawyer, Inc 4035 Ridge Top Road Fairfax, VA 22030 <u>Headquarters</u> New York, NY	BVF ENGINEERING Columbia, MD 21045	DBE 6.5%
	EBA Engineering Laurel, MD 20707	DBE 6.5%
	DM ENTERPRISES Laurel, MD 20207	DBE 6.5%
	PEER CONSULTANTS Washington, DC 20024	WBE 10.0%
	The Robert B. Balter Company Owings Mills, MD 21117	WBE 6.5%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$ 6,000,000.00
 Contract Time: 1,097 Days (3 Years, 2 option years)
 Anticipated Contract Start Date (NTP): 12/01/2021
 Anticipated Contract Completion Date: 12/01/2024
 Bid Opening Date: 06/04/2021
 Bids Received: 8
 Other Bids Received
 AECOM Technical Services Inc*
 Arcadis District of Columbia
 McKissack and McKissack
 RK&K*
 The Temple Group
 Whitman Requardt & Associates*
 WSP USA Inc.*

* Asterisk indicates short listed firms.

Purpose of the Contract:

To provide construction management services during construction of various projects in support of DC Water's Sewer and Water infrastructure 10-year Capital Improvement Program (CIP).

Contract Scope:

- Provide construction management, contract administration and resident engineering and inspection services to assist DETS Water & Sewer Construction Branch during construction of CIP projects.
- Water & Sewer System Infrastructure projects will be constructed at multiple locations.
- Additional support services shall include constructability reviews, cost estimating and scheduling, services during bid phase and dispute resolution.

Federal Grant Status:

- This Contract is not eligible for Federal grant funding assistance.

PROCUREMENT INFORMATION			
Contract Type:	Cost Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Design Services	Contract Number:	DCFA #506B
Contractor Market:	Open Market		

BUDGET INFORMATION			
Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water, Sanitary, Stormwater, Combined Sewer	Department Head:	Mark Babbitt (Acting)
Project:	LZ,RU,QG,QS, RC,MC,MB, C9,CY, F2, FA, FW,G2,G6, GR,HX,IL,JZ,KE,KF,IE		

*ESTIMATED USER SHARE INFORMATION		
User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 6,000,000.00
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%	\$ 6,000,000.00

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

**Salil M
Kharkar**

Digitally signed by Salil M Kharkar
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ou=WASA Users, ou=Waste Water
Operations, cn=Salil M Kharkar,
email=Salil.Kharkar@dcwater.com
Date: 2021.10.08 16:34:14 -04'00'

Salil Kharkar _____ Date
Senior Technical Advisor to COO



Dan Bae
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O=District of Columbia Water and
Sewer Authority, OU=VP of
Procurement & Compliance,
CN=Dan Bae
2021.10.12 16:39:15 -04'00'

Dan Bae, VP _____ Date
Procurement and Compliance

**Matthew T.
Brown**

Digitally signed by Matthew T.
Brown
Date: 2021.10.13 09:57:51 -04'00'

Matthew T. Brown _____ Date
CFO and EVP
Finance and Procurement

David Gadis

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DN: cn=David Gadis, o, ou,
email=David.Gadis@dcwater.com,
c=US
Date: 2021.10.22 16:42:42 -04'00'

David L. Gadis _____ Date
CEO and General Manager

Presented and Adopted: November 4, 2021

SUBJECT: Approval to Execute Contract No. DCFA #506A, AECOM Technical Services, Inc.

**#21-94
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 Board meeting held on November 4, 2021 upon consideration of a joint use matter, decided by a vote of __() in favor and __() opposed to execute Contract No. DCFA #506A, AECOM Technical Services, Inc.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Contract No. DCFA #506A, AECOM Technical Services, Inc. The purpose of the contract is to provide construction management services during construction of various projects in support of DC Water's Sewer and Water infrastructure 10-year Capital Improvement Program. The contract not-to-exceed amount is \$6,000,000 for the contract period of three years plus two renewal periods of one each year. The renewal periods will be approved at DC Water's sole discretion.

Secretary to the Board of Directors

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

ACTION REQUESTED

ENGINEERING SERVICES:

**Construction Management for Water & Sewer System Infrastructure (BOA),
Basic ordering Agreement**

Joint Use

Approval to execute an architectural and engineering services contract not to exceed \$6,000,000.00 for the contract period of three years plus two renewal periods of one year each. The renewal periods will be approved at DC Water's sole discretion.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
AECOM Technical Services, Inc., 3101 Wilson Boulevard, Arlington, VA 22201 <u>Headquarters</u> Los Angeles, CA	CUBE ROOT Washington, DC 20005	DBE 8.0%
	EBA Engineering Laurel, MD 20707	DBE 8.0%
	SAVIN Engineering Pleasantville, NY 10570	DBE 5.0%
	DP CONSULTANT Washington, DC 20005	WBE 3.0%
	The Robert B. Balter Company Owings Mills, MD 21117	WBE 2.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$ 6,000,000.00
 Contract Time: 1,097 Days (3 Years, 2 option years)
 Anticipated Contract Start Date (NTP): 12/01/2021
 Anticipated Contract Completion Date: 12/01/2024
 Bid Opening Date: 06/04/2021
 Bids Received: 8
 Other Bids Received

- Arcadis District of Columbia*
- Hazen and Sawyer
- McKissack and McKissack
- RK&K*
- The Temple Group
- Whitman Requardt & Associates*
- WSP USA Inc.*

* Asterisk indicates short listed firms.

Purpose of the Contract:

To provide construction management services during construction of various projects in support of DC Water's Sewer and Water infrastructure 10-year Capital Improvement Program (CIP)

Contract Scope:

- Provide construction management, contract administration and resident engineering and inspection services to assist DETS Water & Sewer Construction Branch during construction of CIP projects.
- Water & Sewer System Infrastructure projects will be constructed at multiple locations.
- Additional support services shall include constructability reviews, cost estimating and scheduling, services during bid phase and dispute resolution.

Federal Grant Status:

- This Contract is not eligible for Federal grant funding assistance.

PROCUREMENT INFORMATION			
Contract Type:	Cost Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Design Services	Contract Number:	DCFA #506A
Contractor Market:	Open Market		


BUDGET INFORMATION			
Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water, Sanitary, Stormwater, Combined Sewer	Department Head:	Mark Babbitt (Acting)
Project:	LZ,RU,QG,QS, RC,MC,MB, C9,CY, F2, FA, FW,G2,G6, GR,HX,IL,JZ,KE,KF,IE		

*ESTIMATED USER SHARE INFORMATION		
User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 6,000,000.00
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%	\$ 6,000,000.00

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

Salil M Kharkar
 Digitally signed by Salil M Kharkar
 DN: dc=com, dc=dcwasa, ou=WASA Users, ou=Waste Water Operations, cn=Salil M Kharkar, email=Salil.Kharkar@dcwater.com
 Date: 2021.10.08 16:35:15 -04'00'

Salil Kharkar
 Senior Technical Advisor to COO
 Date


 Digitally signed by Dan Bae
 C=US, E=dan.bae@dcwater.com, O=District of Columbia Water and Sewer Authority, OU=VP of Procurement & Compliance, CN=Dan Bae
 Date: 2021.10.12 16:38:57-04'00'

Dan Bae, VP
 Procurement and Compliance
 Date

Matthew T. Brown
 Digitally signed by Matthew T. Brown
 Date: 2021.10.13 09:57:14 -04'00'

Matthew T. Brown
 CFO and EVP
 Finance and Procurement
 Date

David Gadis
 Digitally signed by David Gadis
 DN: cn=David Gadis, o, ou, email=David.Gadis@dcwater.com, c=US
 Date: 2021.10.22 16:39:59 -04'00'

David L. Gadis
 CEO and General Manager
 Date

Presented and Adopted: November 4, 2021

SUBJECT: Approval to Execute Funding for Task Orders 2 and 3 of Contract No. 19-PR-OCEO-24, ARUP-Deloitte

**#21-95
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 Board meeting held on November 4, 2021 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute funding for Task Orders 2 and 3 of Contract No. 19-PR-OCEO-24, ARUP-Deloitte

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute funding for Task Orders 2 and 3 of Contract No. 19-PR-OCEO-24, ARUP-Deloitte. The purpose of the task orders is to furnish an Enterprise Risk Management program, a centralized Policies and Procedures program for the Authority and an environmental social and governance report in support of an upcoming bond sale. The contract amount is \$791,780.

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

**Strategic Planning Advisory Services
(Joint Use)**

Approve the funding for Task Orders 2 and 3 under the Indefinite Delivery Indefinite Quantity (IDIQ) Contract for Strategic Planning Advisory Services in the amount of \$791,780.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: ARUP-Deloitte 77 Water St. New York, NY 10005	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Base Period Contract Value:	\$0.00
Original Contract Dates:	12-01-2019 – 11-31-2023
No. of Option Years In Contract:	2
Task Order 1 Value:	\$697,000.00
Task Order 1 Dates:	10-06-2020 – 9-30-2025
Change Order 1 to Task 1 Value:	\$210,000.00
Change Order 1 to Task 1 Dates:	07-19-2021– 11-30-2021
Task Order 2 Value:	\$692,000.00
Task Order 2 Dates:	11-8-2021 – 11-07-2022
Task Order 3 Value:	\$99,780.00
Task Order 3 Dates	11-8-2021 – 02-07-2022

Purpose of the Contract:

DC Water's Strategy & Performance Department needs additional funding approved to provide Emergency Management Reporting & Policy and Procedures Services and an Environmental Social & Governance Report.

Task 2 Scope:

The contractor shall furnish an Enterprise Risk Management program and a centralized Policies and Procedures program for the Authority.

Task 3 Scope:

The contractor shall furnish an environmental social and governance report in support of an upcoming bond sale.

Spending Previous Year:

Cumulative Contract Value:	12-01-2019 to 10-05-2021: \$907,000.00
Cumulative Contract Spending:	12-01-2019 to 10-05-2021: \$650,000.00

Contractor's Past Performance:

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

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Highest-Ranking Offeror
Commodity:	Advisory Services	Contract Number:	19-PR-OCEO-24
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION

Funding:	Operating	Department:	Strategy & Performance
Project Area:	DC Water wide	Department Head:	Wayne Griffith

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	70.05%	\$554,641.89
Washington Suburban Sanitary Commission	21.95%	\$173,795.71
Fairfax County	5.15%	\$40,776.67
Loudoun Water	2.54%	\$20,111.21
Potomac Interceptor	0.31%	\$2,454.52
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$791,780.00

 / 14 Oct 2021
 Wayne Griffith Date
 EVP and Chief Strategy and Performance Officer


 Dan Bae Date
 VP of Procurement and Compliance

Dan Bae
 cn=US, E=Dan.Bae@dcwater.com, O=District of Columbia Water and Sewer Authority, OU=VP of Procurement & Compliance, CN=Dan Bae
 2021.10.14 15:58:40-0400'

Digitally signed by Matthew T. Brown
 Date: 2021.10.14 18:14:29 -04'00'

Matt Brown Date
 CFO and EVP of Finance and Procurement

Digitally signed by David Gadis
 DN: cn=David Gadis, o, ou,
 email=David.Gadis@dcwater.com, c=US
 Date: 2021.10.22 16:42:14 -04'00'

David L. Gadis Date
 CEO and General Manager

Presented and Adopted: November 4, 2021
Subject: Approval to Amend Fiscal Year 2022 Capital Disbursement
in the FY 2021 – 2030 Capital Improvement Program

#21-96
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

The Board of Directors (“Board”) of the District of Columbia Water and Sewer Authority, (“DC Water”) at its Board meeting held on November 4, 2021 upon consideration of a joint-use matter, decided by a vote of ____ () in favor and ____ () opposed, to take the following action with respect to amending the Fiscal Year 2021 - 2030 Capital Improvement Program.

WHEREAS, pursuant to Resolution #10-76, dated July 1, 2010, the Board’s Rate Stabilization Fund Policy requires an annually updated 10-Year Financial Plan, which includes a 10-Year Capital Disbursement Plan; and

WHEREAS, on April 1, 2021, through Resolution #21-29, the Board approved the Proposed FY 2021 - 2030 Capital Improvement Program, which includes the Fiscal Year 2021 – 2030 Capital Improvement Program Disbursement Plan totaling \$5,432,489,000, and related Lifetime Budget totaling \$12,133,115,000; and

WHEREAS, on May 20, 2021, the Environmental Quality and Operations Committee was briefed on the Lead Free DC Program and discussed in detail the phases of the program, cost estimates, assumptions, risks, timelines, stakeholder engagement and enhancement opportunities; and

WHEREAS, on May 27, 2021, the Finance & Budget Committee was briefed on the preliminary FY 2021 year-end revenue and expenditure projections, projected FY 2021 net cash position and considerations for year-end allocation to support the Lead Free DC Program and purchase of vehicles to be delivered in FY 2022; and

WHEREAS, on June 3, 2021, through Resolution #21-46, the Board approved revisions to the Lead Service Line Replacement Policy to implement the Lead Free DC Program to replace all lead, galvanized iron and brass service lines in public space and private property (if funded) by 2030; and

WHEREAS, on June 24, 2021, the Finance & Budget Committee was briefed on the projected FY 2021 net cash position, overview of the Lead Free DC Program and discussed in detail the immediate and longer term funding needs, funding options; and

WHEREAS, on June 24, 2021, the Finance and Budget Committee recommended that the Board approve the amendment of the FY 2022 Capital Budget in the Fiscal Year 2021 – 2030 Capital Improvement Program from \$476,140,000 to \$491,270,000 using \$10,630,000 from the capital contingency in the Financial Plan for the Lead Free DC Program and \$4,500,000 allocated from the projected FY 2021 net cash position for the purchase of vehicles to be delivered in FY 2022; and reducing the capital equipment amount by \$10,630,000 in FY 2030 to maintain the Board-adopted Fiscal Year 2021 – 2030 Capital Improvement Program Disbursement Plan totaling \$5,432,489,000; and

WHEREAS, on July 1, 2021, through Resolution #21-54, the Board approved and adopted the first amendment to the Fiscal Year 2021 – 2030 Capital Improvement Program totaling \$5,432,489,000 to include amendments to the FY 2022 Capital Budget from \$476,140,000 to \$491,270,000 using \$10,630,000 from the capital contingency in the Financial Plan for the Lead Free DC Program and \$4,500,000 allocated from the projected FY 2021 net cash position for purchase of vehicles; and reducing the amount for capital equipment by \$10,630,000 in FY 2030; and

WHEREAS, on July 22, 2021, the Finance & Budget Committee was briefed on the Lead Free DC Program implementation phases, additional funding needs and funding options; and

WHEREAS, on July 22, 2021, the Finance and Budget Committee recommended that the Board approve the second amendment of the FY 2022 Capital Budget in the Fiscal Year 2021 – 2030 Capital Improvement Program from \$491,270,000 to \$516,670,000 to begin the construction of the Lead Free DC program using \$25,400,000 from the capital contingency; decrease the previously amended the capital equipment amount by \$22,503,000 and decrease the stormwater service area budget by \$2,897,000 from \$6,928,000 to \$4,031,000 in FY 2030 to maintain the Board-adopted Fiscal Year 2021 – 2030 Capital Improvement Program Disbursement Plan totaling \$5,432,489,000. Funding for both the capital equipment and stormwater service area would be reinstated as part of future budget cycle; and

WHEREAS, on July 27, 2021, through Resolution #21-70, the Board approved and adopted the second amendment to the Fiscal Year 2021 – 2030 Capital Improvement Program totaling \$5,432,489,000 to include amendments to the FY 2022 Capital Budget from \$491,270,000 to \$516,670,000 using \$25,400,000 from the capital contingency in the Financial Plan for the Lead-Free DC Program; and reducing the capital equipment amount by \$22,503,000 and the stormwater service area amount by \$2,897,000 in FY 2030; and

WHEREAS, on October 21, 2021, the Environmental Quality and Operations Committee, recommended that the Board approve the third amendment of the FY 2022 Capital Budget in the Fiscal Year 2021 – 2030 Capital Improvement Program from \$516,670,000 to \$567,506,000, based on updated forecasts for capital programs, offset by FY 2021 underspending; and to maintain the Board-adopted Fiscal Year 2021 – 2030 Capital Improvement Program Disbursement Plan totaling \$5,432,489,000.

WHEREAS, on October 28, 2021, the Finance and Budget Committee recommended that the Board approve the third amendment of the FY 2022 Capital Budget in the Fiscal Year 2021 – 2030 Capital Improvement Program from \$516,670,000 to \$567,506,000, based on updated forecasts for capital programs, offset by FY 2021 underspending; and to maintain the Board-adopted Fiscal Year 2021 – 2030 Capital Improvement Program Disbursement Plan totaling \$5,432,489,000.

NOW THEREFORE, BE IT RESOLVED THAT:

The Board hereby approves and adopts a third amendment to the Fiscal Year 2021 – 2030 Capital Improvement Program totaling \$5,432,489,000 to include amendments to the FY 2022 Capital Budget from \$516,670,000 to \$567,506,000 in Attachment A-1.

This resolution is effective immediately.

Secretary to the Board of Directors

Attachment A-1:
Amendments to FY 2021-2030 Capital Improvement Program

	FY 2021 - FY 2030 Capital Improvement Program			
	Amended Budget	Proposed Revision	Approved 10-Year CIP	Proposed 10-Year CIP
	FY 2022	FY 2022	FY 2022	FY 2022
<i>(\$ in thousands)</i>				
NON PROCESS FACILITIES	12,725	31,439	109,776	109,776
WASTEWATER TREATMENT	63,922	85,979	1,158,991	1,158,991
COMBINED SEWER OVERFLOW	165,276	152,267	1,122,976	1,122,976
STORMWATER	9,228	7,029	63,894	63,894
SANITARY SEWER	75,437	68,086	1,312,973	1,312,973
WATER	136,239	165,313	1,147,717	1,147,717
CAPITAL PROJECTS	462,827	510,112	4,916,327	4,916,327
CAPITAL EQUIPMENT	40,519	40,519	336,036	336,036
WASHINGTON AQUEDUCT	13,324	16,875	180,125	180,125
ADDITIONAL CAPITAL PROJECTS	53,843	57,394	516,161	516,161
TOTAL CAPITAL BUDGETS	516,670	567,506	5,432,489	5,432,489

Presented and Adopted: November 4, 2021

SUBJECT: Approval of Performance Evaluation, Salary Increase and Bonus for the CEO and General Manager

**#21-97
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY**

The Board of Directors (“Board”) of the District of Columbia Water and Sewer Authority (“DC Water”) at the Board meeting held on November 4, 2021, upon consideration of a joint use matter, decided by a vote of ___ () in favor and ___ () opposed, to take the following action with respect to the performance evaluation, salary increase and bonus for the Chief Executive Officer (CEO) and General Manager.

WHEREAS, on September 21, 2020, the Board, through Resolution #20-21, approved the performance evaluation for David L. Gadis, extended the contract term to three years, October 1, 2020 through September 30, 2023, increased the salary to \$292,125, effective October 1, 2020, and maintained other material contract terms; and

WHEREAS, the Authority and Mr. Gadis executed an Employment Agreement, effective October 1, 2020, which requires the Board’s Evaluation Committee to conduct a performance evaluation of Mr. Gadis’ performance on an annual basis for the evaluation period of October 1 – September 30 with any adjustments in compensation based on performance being effective as of the beginning of each fiscal year; and

WHEREAS, on September 15, 2021, the Executive Committee met to conduct the performance evaluation of Mr. Gadis for the period of October 1, 2020 to September 30, 2021, and based on the results of the performance evaluations consider salary increase and bonus; and

WHEREAS, the Executive Committee determined Mr. Gadis met the performance goals for Fiscal Year 2021 and continued to effectively manage the operations of DC Water through the challenges of the pandemic caused by COVID-19, including: hiring a high performing team over the past year, engaging the community through virtual townhall meetings, promoting a positive image for DC Water, and keeping the Clean River Project on time and on budget; and

WHEREAS, based on Mr. Gadis’ performance and achievement for the Authority, the Executive Committee recommended the Board approve a 3% salary increase to \$300,888 and 8% bonus of \$23,370, effective October 1, 2021; and

NOW THEREFORE BE IT RESOLVED THAT:

1. The Board approves the General Manager's Performance Evaluation for David L. Gadis for the period of October 1, 2020 through September 30, 2021.
2. The Board approves a 3% increase of the annual compensation terms for Mr. Gadis as provided in the Employment Agreement for Fiscal Year 2022 to \$300,888, which shall be paid in the manner provided in the Employment Agreement, effective and retroactive to October 1, 2021.
3. The Board approves a 8% bonus, based on Mr. Gadis' Fiscal Year 2021 annual compensation, equaling \$23,370, which shall be paid immediately.
4. The Board requires Mr. Gadis to implement the conditions for continued employment and expectations for Fiscal Year 2022.
5. The Employment Agreement between the Authority and Mr. Gadis remains extended to September 30, 2023, as provided in the Employment Agreement.

This resolution is effective immediately.

Secretary to the Board of Directors

Presented and Adopted: November 4, 2021

SUBJECT: Approval of the Revised 10-Year Financial Plan for FY 2021 – FY 2030 that Reflects FY 2021 Actuals, the Proposed Rates Stabilization Fund Transfer, the Rollover of Unexpended Capital Budget from FY 2021 to FY 2022 and Related Changes

**#21-98
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY**

The Board of Directors (“Board”) of the District of Columbia Water and Sewer Authority (“DC Water”) at the Board meeting held on November 4, 2021, upon consideration of a joint-use matter decided by a vote of ___ () in favor and ___ () opposed, to take the following action with respect to the Proposed Revised 10-Year Financial Plan for FY 2022 – FY 2031 that Reflects FY 2021 Actuals, the Proposed Rates Stabilization Fund Transfer, the Rollover of Unexpended Capital Budget from FY 2021 to FY 2022 and Related Changes.

WHEREAS, prudent utility financial management requires a long-term financial plan that integrates common elements of the ten-year capital improvement program, future capital financing plans, projected operating and maintenance budgets, revenue requirements and projected rate increases to support long-term capital and operating needs; and

WHEREAS, the Board, in Resolutions #11-10, dated January 6, 2011 and #21-84, dated October 7, 2021 adopted a series of financial policies in the areas of capital financing, long-term financial planning, and rate-setting to assure the short-term and long-term financial health of DC Water; and

WHEREAS, adherence to these financial policies has allowed the DC Water to receive strong bond ratings that will reduce debt service costs over the ten-year planning period; and

WHEREAS, on April 1, 2021, through Resolution #21-28, the Board approved the Proposed Fiscal Year 2021 - 2030 Ten-Year Financial Plan; and

WHEREAS, consistent with the Board policies and management financial targets, the General Manager prepared the revised Fiscal Year 2021 - 2030 Ten Year Financial Plan consistent with the proposed FY 2022 Operating and Capital Budgets; and

WHEREAS, the revised Fiscal Year 2021 - 2030 Ten Year Financial Plan is based on assumptions detailed in the proposed Fiscal Year 2022 Operating and Capital Budgets; and

WHEREAS, the revised Fiscal Year 2021 - 2030 Ten Year Financial Plan presented in Schedule A and reflected in Schedule B FY 2021 - FY 2030 Average Residential Customer Monthly Bill, and Schedule C the FY 2021 and 2022 Rates, Charges and Fees; and

WHEREAS, based on an updated capital forecast, Rate Stabilization Fund (RSF) Transfer, rollover of unexpended capital budgets from FY 2021 to FY 2022 and related changes and new financial policies approved by the Board, through Resolution #21-84 on October 7, 2021, the General Manager has prioritized capital projects, and proposed increasing the Net Revenues After Debt Services of \$123,046,000 for Fiscal Year 2022 in the approved Fiscal Year 2021 - 2030 Financial Plan Budget by \$46,899,000 resulting in a proposed revised Net Revenues After Debt Services to \$169,945,000 for Fiscal Year 2022 in the proposed revised Fiscal Year 2021 – 2030 Ten Year Financial Plan; and

WHEREAS, on October 26, 2021, the District of Columbia Retail Water and Sewer Rates Committee met and reviewed the proposed revised Fiscal Year 2021-2030 Ten-Year Financial Plan; and

WHEREAS, on October 28, 2021, the Finance and Budget Committee met and reviewed the proposed revised Fiscal Year 2021 - 2030 Ten Year Financial Plan and recommended that the Board adopt the revised Financial Plan as proposed by the General Manager.

NOW THEREFORE BE IT RESOLVED THAT:

1. The Board hereby approves and adopts the proposed revised Fiscal Year 2021 - 2030 Ten Year Financial Plan as presented in Schedule A and reflected in Schedule B FY 2021 - FY 2030 Average Residential Customer Monthly Bill and Schedule C FY 2021 and 2022 Rates, Charges and Fees and consistent with the proposed revised Fiscal Year 2022 Operating and Capital Budgets.

This resolution is effective immediately.

Secretary to the Board of Directors

Schedule A

**District of Columbia Water & Sewer Authority
FY 2021 - FY 2030 Financial Plan
(In 000's)**

OPERATING	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
<i>Retail*</i>	\$ 584,889	\$ 620,781	\$ 648,304	\$ 700,728	\$ 727,823	\$ 766,019	\$ 805,865	\$ 850,203	\$ 896,819	\$ 924,823
<i>Wholesale*</i>	82,986	84,669	87,209	89,825	92,520	95,295	98,154	101,099	104,132	107,256
<i>Other</i>	39,194	40,435	41,425	44,822	47,753	52,608	55,002	57,530	60,001	60,661
<i>RSF</i>	2,500	52,100	-	-	-	-	-	-	-	-
Operating Receipts ⁽¹⁾	\$ 709,569	\$ 797,985	\$ 776,937	\$ 835,375	\$ 868,096	\$ 913,922	\$ 959,021	\$ 1,008,832	\$ 1,060,952	\$ 1,092,740
Operating Expenses	(355,203)	(364,345)	(375,219)	(386,427)	(397,980)	(409,886)	(422,159)	(434,809)	(447,847)	(461,287)
Debt Service	(204,878)	(225,865)	(239,103)	(247,861)	(270,467)	(284,863)	(302,459)	(320,798)	(338,182)	(350,477)
Cash Financed Capital Improvement	\$ (30,355)	\$ (37,830)	\$ (45,381)	\$ (49,051)	\$ (58,226)	\$ (68,942)	\$ (72,528)	\$ (76,518)	\$ (80,714)	\$ (83,234)
Net Revenues After Debt Service	\$ 119,132	\$ 169,945	\$ 117,234	\$ 152,036	\$ 141,423	\$ 150,231	\$ 161,875	\$ 176,707	\$ 194,208	\$ 197,742
Operating Reserve-Beg Balance	186,827	196,286	235,600	242,600	251,600	261,600	266,600	276,600	284,600	293,600
Other Misc (Disbursements)/Receipts										
Wholesale/Federal True Up	4,546	(4,912)	(3,761)	(6,742)	-	-	-	-	-	-
Project Billing Refunds	-	-	-	-	-	-	-	-	-	-
Transfers To RSF	-	-	-	-	-	-	-	-	-	-
Pay-Go Financing	(114,221)	(125,719)	(106,473)	(136,294)	(131,423)	(145,231)	(151,875)	(168,707)	(185,208)	(190,742)
Operating Reserve - Ending Balance	\$ 196,286	\$ 235,600	\$ 242,600	\$ 251,600	\$ 261,600	\$ 266,600	\$ 276,600	\$ 284,600	\$ 293,600	\$ 300,600
Rate Stabilization Fund Balance RSF ⁽²⁾	\$ (87,744)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)
Senior Debt Service Coverage	508%	587%	511%	646%	679%	646%	618%	635%	695%	694%
Combined Debt Service Coverage	186%	200%	176%	188%	183%	185%	186%	187%	189%	188%
Actual/Projected Water/Sewer Rate Increases	9.9%	7.8%	8.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%
*Operating Receipts \$ Increase/Decrease										
Retail	12,154	35,893	27,523	52,425	27,094	38,196	39,846	44,337	46,617	28,004
Wholesale	3,830	1,682	2,540	2,616	2,695	2,776	2,859	2,945	3,033	3,124
*Operating Receipts % Increase/Decrease										
Retail	2.1%	6.1%	4.4%	8.1%	3.9%	5.2%	5.2%	5.5%	5.5%	3.1%
Wholesale	4.8%	2.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

⁽¹⁾ Includes interest earnings on senior lien revenue bonds' debt service reserve fund

⁽²⁾ FY 2022 planned transfers of \$0.0 million to Rate Stabilization Fund and \$52.1 million utilization will bring the total fund balance to \$35.6 million

Schedule B

District of Columbia Water & Sewer Authority
FY 2021 - FY 2030 Average Residential Customer Monthly Bill

	Units	Current		Approved								
		FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	
DC Water Water and Sewer Retail Rates ⁽¹⁾	Ccf	\$ 73.30	\$ 78.92	\$ 85.61	\$ 92.07	\$ 98.98	\$ 106.40	\$ 114.41	\$ 123.04	\$ 132.26	\$ 142.14	
DC Water Clean Rivers IAC ⁽²⁾	ERU	19.52	18.40	19.58	24.07	23.07	23.82	24.56	25.64	26.78	23.45	
DC Water Customer Metering Fee	5/8"	4.96	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	
DC Water Water System Replacement Fee ⁽⁴⁾	5/8"	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	
Subtotal DC Water Rates & Charges		\$ 104.08	\$ 111.37	\$ 119.24	\$ 130.19	\$ 136.10	\$ 144.27	\$ 153.02	\$ 162.73	\$ 173.09	\$ 179.64	
Increase / Decrease		\$ 6.73	\$ 7.29	\$ 7.87	\$ 10.95	\$ 5.91	\$ 8.17	\$ 8.75	\$ 9.71	\$ 10.36	\$ 6.55	
District of Columbia PILOT Fee ⁽¹⁾	Ccf	\$ 2.93	\$ 3.04	\$ 3.09	\$ 3.14	\$ 3.20	\$ 3.25	\$ 3.31	\$ 3.36	\$ 3.41	\$ 3.47	
District of Columbia Right-of-Way Fee ⁽¹⁾	Ccf	1.03	1.03	1.03	1.08	1.08	1.08	1.08	1.08	1.14	1.19	
District of Columbia Stormwater Fee ⁽³⁾	ERU	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	
Subtotal District of Columbia Charges		\$ 6.63	\$ 6.74	\$ 6.79	\$ 6.89	\$ 6.95	\$ 7.00	\$ 7.06	\$ 7.11	\$ 7.22	\$ 7.33	
Total Amount Appearing on DC Water Bill		\$ 110.71	\$ 118.11	\$ 126.03	\$ 137.08	\$ 143.05	\$ 151.27	\$ 160.08	\$ 169.84	\$ 180.31	\$ 186.97	
Increase / Decrease Over Prior Year		\$ 6.90	\$ 7.40	\$ 7.92	\$ 11.05	\$ 5.97	\$ 8.22	\$ 8.81	\$ 9.76	\$ 10.47	\$ 6.66	
Percent Increase in Total Bill		6.6%	6.7%	6.7%	8.8%	4.4%	5.7%	5.8%	6.1%	6.2%	3.7%	

(1) Assumes average monthly consumption of 5.42 Ccf, or (4,054 gallons)

(2) Assumes average 1 Equivalent Residential Unit (ERU)

(3) District Department of the Environment stormwater fee of \$2.67 effective November 1, 2010

(4) DC Water "Water System Replacement Fee" of \$6.30 for 5/8" meter size effective October 1, 2015

Schedule C

District of Columbia Water & Sewer Authority
Retail Rates, Charges and Fees
FY 2021 – FY 2022

	Units		Current FY 2021	Approved FY 2022
DC Water Retail Rates Water (Residential Lifeline 0 - 4 Ccf)	Ccf	\$	3.49	\$ 3.63
DC Water Retail Rates Water (Residential > 4 Ccf)	Ccf	\$	4.50	\$ 4.74
DC Water Retail Rates Water (Multi-Family)	Ccf	\$	3.96	\$ 4.15
DC Water Retail Rates Water (Non-Residential)	Ccf	\$	4.65	\$ 4.91
DC Water Retail Rates Sewer	Ccf	\$	9.77	\$ 10.64
DC Water Clean Rivers IAC	ERU	\$	19.52	\$ 18.40
DC Water Customer Metering Fee	5/8"	\$	4.96	\$ 7.75
DC Water Water System Replacement Fee	5/8"	\$	6.30	\$ 6.30
District of Columbia PILOT Fee	Ccf	\$	0.54	\$ 0.56
District of Columbia Right-of-Way Fee	Ccf	\$	0.19	\$ 0.19
District of Columbia Stormwater Fee	ERU	\$	2.67	\$ 2.67

Presented and Adopted: November 4, 2021

SUBJECT: Approval to Transfer \$5.0 Million Targeted Assistance Funds to the FY 2021 and FY 2021 CAP and CAP2 Programs Budget and FY 2022 RAP and MAP Programs Budget; Rollover FY 2021 RAP and MAP Remaining Balance to the FY 2022 RAP and MAP Programs Budget; and Allocate \$250 Thousand from FY 2021 MAP Balance to the Administrative Costs Budget for the RAP, MAP and CAP Programs for FY 2022.

#21-99

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

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("DC Water") at the Board meeting held on November 4, 2021, upon consideration of a joint-use matter decided by a vote of ___() in favor and ___() opposed, to approve the following action with respect to Approval to: (1) Transfer from the FY 2022 \$5.0 million Targeted Assistance Fund: \$223,962.95 to the Budget for the FY 2021 CAP and CAP2 Programs, \$634,401.00 to the Budget for the FY 2022 CAP and CAP2 Programs, \$1,892,843.08 to the Budget for the FY 2022 RAP Program and \$2,248,792.97 to the Budget for the MAP Program, (2) Rollover \$5,332,200.77 of the FY 2021 Balance Amount for RAP and MAP Programs to the Budget for the FY 2022 RAP and MAP Programs; and (3) Allocate \$250,000.00 from FY2021 MAP balance to Administrative Costs Budget for the RAP, MAP and CAP Programs for FY 2022.

WHEREAS, the Board at its meeting December 4, 1997 approved Resolution #97-121, establishing the Financial Policies for the Authority, which was subsequently amended in Resolutions #98-08, and #04-30 to establish strong levels of cash reserves and strong debt service coverage; and

WHEREAS, on October 7, 2021, the Board, through Resolution #21-84, approved the Revised Statement of Financial Policies for DC Water to consolidate the financial policies, and maintain strong levels of cash reserves and strong debt service coverage; and

WHEREAS, the Board at its meeting September 3, 2020, approved Resolution #20-65, to direct the projected FY 2020 Net Cash Surplus to the customer assistance programs for low-income customers: 1) \$3.0 million to continue the Emergency Residential Relief Program in FY 2021 to provide one-time assistance to customers impacted by COVID; assistance up to \$2,000 per residential customers; 2) \$7.0 million for a new program to provide one-time assistance to multi-family buildings where occupants have been negatively impacted by COVID and payment plans are established and adhered to, and the amount of assistance to be determined and

provided per affordable unit on a matching basis; 3) \$5.0 million held for FY 2022 targeted assistance for customers in need and transferring the remainder of approximately \$4.894 million to the Rate Stabilization Fund (RSF) to provide operational flexibility to address any contingencies in FY 2021; and

WHEREAS, on February 4, 2021, the Board, through Resolution #21-15, approved and adopted the Notice of Final Rulemaking to implement the DC Water Cares Emergency Relief Program for Low-Income Customers (a.k.a. RAP), on May 6, 2021, the Board, through Resolution #21-42, approved the Notice of Final Rulemaking to implement the DC Water Cares Multifamily Assistance Program for Multifamily Tenants (a.k.a. MAP), and on September 2, 2021, the Board, through Resolution approved the Notice of Emergency and Proposed Rulemaking to extend the Dc Water Cares RAP and MAP programs for Fiscal Year 2022; and

WHEREAS, on October 26, 2021 and October 28, 2021 the District of Columbia Retail Water and Sewer Rates (RRC) Committee and Finance and Budget (F&B) Committee, respectively, met and was updated on the DC Water Cares CAP, RAP and MAP Program progress on participation, budgets balances for FY 2021 and budgets for FY 2022, and program administrative costs, the estimate \$0.86 million to fully fund the actual CAP and CAP2 benefits overage in FY 2021, projected excess discounts in FY 2022 and rollover FY 2021 unexpended balance for RAP and MAP of \$5.3 million to be carried over to FY 2022; and

WHEREAS, the General Manager proposed: 1) transfer from the FY 2022 \$5.0 million Targeted Assistance Fund: \$223,962.95 to the FY 2021 CAP and CAP2 Programs Budget, \$634,401.00 to the FY 2022 CAP and CAP2 Programs Budget, \$1,892,843.08 to the FY 2022 RAP Program Budget and \$2,248,792.97 to the MAP Program Budget, 2) rollover \$5,332,200.77 of the FY 2021 RAP and MAP balance amount for RAP and MAP Programs to the FY 2022 RAP and MAP Programs Budget; and (3) allocate \$250,000.00 from FY 2021 MAP balance to Administrative Costs for RAP, MAP and CAP Programs for FY 2022; and

WHEREAS, on October 26, 2021, the General Manager informed the District of Columbia Retail Water and Sewer Rates Committee that the proposal for the use of the FY 2022 \$5.0 million Targeted Assistance Funds for DC Water Cares programs in FY 2021 and FY 2022 and rollover of the remaining RAP and MAP balance would be presented to the Finance and Budget Committee for recommendation to the Board for approval; and

WHEREAS, on October 28, 2021, upon further review, the Finance and Budget Committee recommended to the Board the approval of the proposal to: 1) transfer from the FY 2022 \$5.0 million Targeted Assistance Fund: \$223,962.95 to the FY 2021 CAP and CAP2 Programs Budget, \$634,401.00 to the FY 2022 CAP and CAP2 Programs Budget, \$1,892,843.08 to the FY 2022 RAP Program Budget and \$2,248,792.97 to the MAP Program Budget, 2) rollover \$5,332,200.77 of the FY 2021 RAP and MAP balance amount for RAP and MAP Programs to the FY 2022 RAP and MAP Programs Budget;

and (3) allocate \$250,000.00 from FY 2021 MAP balance to Administrative Costs for RAP, MAP and CAP Programs for FY 2022; and

NOW THEREFORE BE IT RESOLVED THAT:

1. The Board approves the: 1) transfer from the FY 2022 \$5.0 million Targeted Assistance Fund: \$223,962.95 to the FY 2021 CAP and CAP2 Programs Budget, \$634,401.00 to the FY 2022 CAP and CAP2 Programs Budget, \$1,892,843.08 to the FY 2022 RAP Program Budget and \$2,248,792.97 to the MAP Program Budget, 2) rollover \$5,332,200.77 of the FY 2021 RAP and MAP balance amount for RAP and MAP Programs to the FY 2022 RAP and MAP Programs Budget; and (3) allocate \$250,000.00 from FY 2021 MAP balance to Administrative Costs for RAP, MAP and CAP Programs for FY 2022; and
2. This resolution is effective immediately.

Secretary to the Board of Directors

Presented and Adopted: November 4, 2021

SUBJECT: Approval to Execute Contract No.150140, Sagres Construction Corp.

**#21-100
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 Board meeting held on November 4, 2021, upon consideration of a non-joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Contract No.150140, Sagres Construction Corp.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Contract No.150140, Sagres Construction Corp. The purpose of the contract is to replace small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues across various locations within the District of Columbia. The contract not-to-exceed amount is \$10,887,767.

Secretary to the Board of Directors

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

**Constitution Avenue Area Water Main Replacement
(Non-Joint Use)**

Approval to execute a construction contract for \$10,887,767.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Sagres Construction Corp. 3680 Wheeler Ave. Suite 300 Alexandria, VA 22304	Phoenix Constructions Capital Heights, MD DBE	12.3%
	Aviman (Material Supply) Wilmington, DE DBE	11.2%
	Arthur Construction Dulles, VA DBE	4.7%
	Monumental Maintenance Services Boonsboro, MD DBE	0.3%
	Key Materials and Utilities Mount Airy, MD WBE	4.9%
	Acorn Supply and Distribution White Marsh, MD WBE	1.1%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$10,887,767.00
Contract Time:	540 Days (1 Year 6 Months)
Anticipated Contract Start Date (NTP):	11-23-2021
Anticipated Contract Completion Date:	05-17-2023
Bid Opening Date:	09-08-2021
Bids Received:	5
Other Bids Received	
Fort Myer Construction Corp.	\$12,822,109.00
Capitol Paving of DC Inc.	\$12,993,297.00
Civil Construction LLC.	\$13,854,283.00
Anchor Construction Co. Inc.	\$14,445,610.00

Purpose of the Contract:

Replacement of small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues across various locations within the District of Columbia.

Contract Scope:

- Replace 2.1 miles of small diameter water mains ranging from four (4) inches to twelve (12) inches in diameter and associated valves and appurtenances
- Replace 0.5 miles of 20-inch diameter water main and associated valves and appurtenances. between 4th Street, NE and Constitution Avenue, NE.
- Replacement of SDWM North from the US Supreme Court.
- Replacement of hydrants and valves within the project limits.
- Provide permanent pavement and surface restoration

Federal Grant Status:

- Construction contract is funded in part by Federal grant.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	150140
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	Mark Babbitt
Project:	C9, F2, BW		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	85.50%	\$9,309,040.79
Federal Funds	14.50%	\$1,578,726.22
Washington Suburban Sanitary Commission	0.00%	\$0.00
Fairfax County	0.00%	\$0.00
Loudoun County & Potomac Interceptor	0.00%	\$0.00
Total Estimated Dollar Amount	100.00%	\$10,887,767.00

Salil M Kharkar _____
 October 13, 2021
 Date
 Salil M Kharkar
 Senior Technical Advisor to COO

Dan Bae _____
 October 13, 2021
 Date
 Dan Bae, VP
 Procurement and Compliance

Matthew T. Brown _____
 October 13, 2021
 Date
 Matthew T. Brown
 CFO and EVP
 Finance and Procurement

David L. Gadis _____
 11/1/2021
 Date
 David L. Gadis
 CEO and General Manager

Presented and Adopted: November 4, 2021

SUBJECT: Approval to Execute Contract No.180010, Capitol Paving of DC Inc.

**#21-101
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 Board meeting held on November 4, 2021, upon consideration of a non-joint use matter, decided by a vote of __() in favor and __() opposed to execute Contract No.180010, Capitol Paving of DC Inc.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Contract No.180010, Capitol Paving of DC Inc. The purpose of the contract is to replace small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues across various locations within the District of Columbia. The contract not-to-exceed amount is \$9,555,526.

Secretary to the Board of Directors

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

**Small Diameter Water Main Replacement 15A
(Non-Joint Use)**

Approval to execute a construction contract for \$9,555,526.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of DC, Inc. 2211 Channing Street, N.E P.O. Box 21248 Washington , DC 20018	Amerigal Construction Company, Inc. Glenn Dale, MD DBE	32.0%
	Acorn Supply & Distributing, Inc White Marsh, MD WBE	6.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$9,555,526.00
Contract Time:	389 Days (1 Year 1 Month)
Anticipated Contract Start Date (NTP):	12-15-2021
Anticipated Contract Completion Date:	01-08-2023
Bid Opening Date:	09-14-2021
Bids Received:	5
Other Bids Received	
Fort Myer Construction Corp	\$10,955,649.50
Civil Construction LLC	\$11,161,207.00
Sagres Construction Corp	\$12,337,229.00
Anchor Construction Co Inc	\$12,610,915.00

Purpose of the Contract:

Replacement of small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues across various locations within the District of Columbia.

Contract Scope:

- Replace 2.62 miles of water mains ranging from four (4) inches to twelve (12) inches in diameter and associated valves and appurtenances
- Replace water services two (2) inches in diameter and smaller in public and private space as needed
- Replace curb stop / curb stop box, meter box and penetration through building wall and connection to first fitting inside the building including installation of a shut-off valve and pressure reducing valve
- Provide permanent pavement and surface restoration

Federal Grant Status:

- Construction contract is anticipated to be funded in part from a Water Infrastructure Finance and Innovation Act (WIFIA) loan.

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	180010
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	Mark Babbitt
Project:	GR, BW		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$9,555,526.00
Federal Funds	0.00%	\$0.00
Washington Suburban Sanitary Commission	0.00%	\$0.00
Fairfax County	0.00%	\$0.00
Loudoun County & Potomac Interceptor	0.00%	\$0.00
Total Estimated Dollar Amount	100.00%	\$9,555,526.00

Salil M Kharkar _____ October 8, 2021
 Salil M Kharkar _____ Date
 Senior Technical Advisor to COO

Dan Bae _____ October 12, 2021
 Dan Bae, VP _____ Date
 Procurement and Compliance

Matthew T. Brown _____ October 12, 2021
 Matthew T. Brown _____ Date
 CFO and EVP
 Finance and Procurement

David Gadis _____
Digitally signed by David Gadis
 DN: cn=David Gadis, o, ou,
 email=David.Gadis@dcwater.com, c=US
 Date: 2021.10.22 16:41:46 -0400
 David L. Gadis _____ Date
 CEO and General Manager

Presented and Adopted: November 4, 2021
SUBJECT: Approval to Execute Contract No. 210040, Fort Myer Construction Corporation

#21-102
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 Board meeting held on November 4, 2021, upon consideration of a non-joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Contract No. 210040, Fort Myer Construction Corporation.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Contract No. 210040, Fort Myer Construction Corporation. The purpose of the contract is to provide construction of Division RC-B-Rock Creek Project B (Green Infrastructure) in support of DC Clean Rivers Project. The contract amount is \$15,856,873.

Secretary to the Board of Directors

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

ACTION REQUESTED

CONSTRUCTION CONTRACT

**Division RC-B – Rock Creek Project B (Green Infrastructure)
(Non-Joint Use)**

Approval to execute a construction contract for \$15,856,873.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Fort Myer Construction Corporation 2237 33 rd Street, NE Washington, DC 20018 (CBE)	CBE Eligible Amounts: Total Eligible \$14,130,859 CBE* Total \$14,130,859 See Attachment A for list of firms	100%

*Based upon the Green Infrastructure (GI) Memorandum of Understanding with the District of Columbia, this contract shall utilize best efforts to maximize Certified Business Enterprise (CBE) participation, with a goal that at least 50% of the dollar amount of this contract be awarded to CBEs. No Federal funding (i.e. EPA) will be used for this contract.

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$15,856,873.00
Contract Time:	642 Days (1 Year, 09 Months)
Anticipated Contract Start Date (NTP):	12-08-2021
Anticipated Contract Completion Date:	09-11-2023
Bid Opening Date:	07-27-2021
Bids Received:	2
Number of Firms Shortlisted:	2
Other Bids Received	
Anchor Construction Corporation	\$17,582,963.00

Purpose of the Contract:

Provide construction of Division RC-B – Rock Creek Project B (Green Infrastructure) in support of DC Clean Rivers Project.

This work is required by a Consent Decree.

Contract Scope:

- Construct Green Infrastructure (GI) practices located in the public Right of Way (ROW) to manage 1.2" of rain falling on the equivalent of approximately twenty-two (22) impervious acres within the Rock Creek sewershed
- Project includes the construction of 20 planter bioretention's and 48 permeable alley facilities.
- Both the bioretention and alleys will be constructed utilizing a standardized design. The standardization (depth, check dam spacing, size (for bioretention) will facilitate efficient construction and is part of an overall effort to lower GI implementation cost.

Federal Grant Status:

- Construction Contract is not eligible for Federal grant funding assistance.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Best Value Selection
Commodity:	Construction	Contract Number:	210040
Contractor Market:	Open Market		

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$15,856,873.00
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%	\$15,856,873.00

**Salil M
Kharkar**

Digitally signed by Salil M Kharkar
DN: dc=com, dc=dcwasa, ou=WASA
Users, ou=Waste Water Operations,
cn=Salil M Kharkar,
email=Salil.Kharkar@dcwater.com
Date: 2021.10.08 13:39:01 -04'00'

Salil Kharkar _____ Date
Senior Technical Advisor to COO



Digitally signed by Dan Bae
C=US, E=dan.bae@dcwater.com,
O=District of Columbia Water and Sewer
Authority, OU=VP of Procurement &
Compliance, CN=Dan Bae
Date: 2021.10.12 16:38:28 -04'00'

Dan Bae _____ Date
VP Director of Procurement

**Matthew T.
Brown**

Digitally signed by Matthew T.
Brown
Date: 2021.10.13 09:39:27
-04'00'

Matthew T. Brown _____ Date
CFO and EVP
Finance and Procurement

David Gadis

Digitally signed by David Gadis
DN: cn=David Gadis, o, ou,
email=David.Gadis@dcwater.com,
c=US
Date: 2021.10.22 16:44:42 -04'00'

David L. Gadis _____ Date
CEO and General Manager

CONTRACT 210040
Division RC-B – Rock Creep Project B (GI)

ATTACHMENT A
CBE CONTRACTOR LISTING

CONSULTANTS/ CONTRACTOR/ SUBCONTRACTORS/ SUPPLIERS

	TYPE	AMOUNT:	PARTICIPATION:
Fort Myer Construction Corporation 2237 33 rd Street, NE Washington, DC 20018	CBE	\$14,130,859.00	100%*
CBE Total	CBE	\$14,130,859.00	100%

*Fort Myer Construction Corporation, a CBE, will perform 100% of the work and will utilize best efforts to meet or exceed the CBE objectives by involving other CBE firms or self-performing additional portions of the work, as the final construction progresses.