



**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
273rd MEETING OF THE BOARD OF DIRECTORS**

Thursday, March 4, 2021

9:30 a.m.

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

- I. Call to Order (Chairman Tommy Wells)**
- II. Roll Call (Linda Manley, Board Secretary)**
- III. Approval of the February 4, 2021 Meeting Minutes**
- IV. Chairman's Overview**
- V. Committee Reports**
 1. [Environmental Quality and Operations Committee](#) (Howard Gibbs)
 2. [Joint Meeting of the DC Retail Water and Sewer Rates and Finance and Budget Committees](#) (Anthony Giancola)
 3. [Finance and Budget Committee](#) (Anthony Giancola)
 4. [Special Meeting of the 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. 18-PR-DFS-29, Clean Team Janitorial Service – Resolution No. 21-17](#) (Recommended by the Environmental Quality and Operations Committee 02/18/21)
 2. [Approval to Execute Supplemental Agreement No. 06, Arcadis District of Columbia, PC – Resolution No. 21-18](#) (Recommended by the Environmental Quality and Operations Committee 02/18/21)
 3. [Approval to Execute Option Year Eight \(8\) of Contract No. WAS-12-063-AA-RA, Allied Universal Security Services – Resolution No. 21-19](#) (Recommended by the Environmental Quality and Operations Committee 02/18/21)

4. [Approval to Execute Supplemental Agreement No. 2 of Contract No. DCFA #481, Greeley and Hansen/O'Brien & Gere Joint Venture – Resolution No. 21-20](#) (Recommended by the Environmental Quality and Operations Committee 02/18/21)
5. [Authorizing the Execution and Delivery of the First Amendment to the Master Letter of Credit Agreement with TD Bank, N.A. for the Authority's ROCIP and the Twenty-Eighth Supplemental Indenture of Trust which extends the Security of the Indenture to the Master Letter of Credit Agreement – Resolution No. 21-21](#) (Recommended by the Finance and Budget Committee 03/03/21)

X. Consent Items (Non-Joint Use)

1. [Approval to Execute Change Order No. 001 of Contract No. 170170, Capitol Paving of DC – Resolution No. 21-22](#) (Recommended by the Environmental Quality and Operations Committee 02/18/21)
2. [Approval to Execute Contract No. 190040, Anchor Construction Corporation – Resolution No. 21-23](#) (Recommended by the Environmental Quality and Operations Committee 02/18/21)
3. [Approval to Participate in the District's Department of Transportation Project under the Terms of the 2002 MOA between DDOT and DC Water – Resolution No. 21-24](#) (Recommended by the Environmental Quality and Operations Committee 02/18/21)

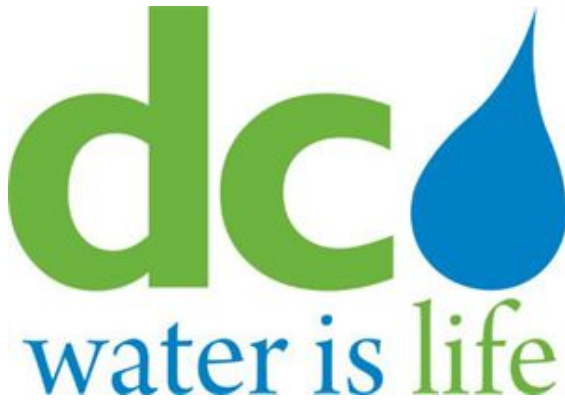
XI. Executive Session

XII. Adjournment (Chairman Tommy Wells)

1 The DC Water Board of Directors may go into executive session at this meeting pursuant to the District of Columbia Open Meetings Act of 2010, if such action is approved by a majority vote of the Board members who constitute a quorum to discuss: matters prohibited from public disclosure pursuant to a court order or law under D.C. Official Code § 2-575(b)(1); contract negotiations under D.C. Official Code § 2-575(b)(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.

Upcoming Committee Meetings – (via Microsoft Teams)

- Governance Committee – Wednesday, March 10, 2021 @ 9:00 a.m.
- Human Resource and Labor Relations Committee – Wednesday, March 10, 2021 @ 11:00 a.m. (CANCELLED)
- Environmental Quality and Operations Committee – Thursday, March 18, 2021 @ 9:30 a.m.
- DC Retail Water and Sewer Rates Committee – Tuesday, March 23, 2021 @ 9:30 a.m.
- Finance and Budget Committee – Thursday, March 25, 2021 @ 9:30 a.m.



**District of Columbia
Water and Sewer Authority**

Board of Directors

**Environmental Quality and Operations
Meeting**

Thursday, February 18, 2021

9:30 a.m.

MEETING SUMMARY

Committee Members

Howard Gibbs, Vice Chairperson
Steven Shofar
Ivan Frishberg
Randy Bartlett

DC Water Staff Present

Kishia Powell, Chief Operating Officer & EVP
Marc Battle, Chief Legal Officer & EVP
Leonard Benson, SVP, CIP Project Delivery
Linda R. Manley, Board Secretary

I. CALL TO ORDER

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

II. ROLL CALL

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

III. AWTP STATUS UPDATE

1. BPAWTP PERFORMANCE

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

Mr. Tesfaye highlighted the collaborative efforts by departments at DC Water who have managed insource activities under the Operation and Maintenance Assistance Program (OMAP) contract. The activities were previously performed by DC Water Contractors and the insourcing has helped to save money and build ownership amongst the involved departments. The activities involved integrating new assets with operations and maintenance programs.

Mr. Tesfaye reported that the quality of the plant effluent for January 2021 was excellent, with all effluent parameters well below the seven-day and monthly NPDES permit requirements. In January 2021, a total of 56 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). There were no treated captured combined flows directed to the wet weather treatment outfall.

Biosolids hauling during January 2021 averaged 380 wet tons per day and all biosolids produced during the month met Class A Exceptional Quality (EQ) requirements required by the EPA. Mr. Tesfaye also stated Blue Drop sold 1,590 wet tons of Bloom during January 2021.

Mr. Tesfaye commended the work of the Research and Development team for an article published by the team on work done on wastewater solids flocculation and settling. The work has the promise of achieving more reliable secondary effluent quality and eventually increasing capacity within the existing secondary treatment basins. The article was published in Water Research, the Journal of the International Water Association.

The committee inquired about recent performance of the combined heat and power (CHP) system with regards to energy production and future efforts for the reduction in carbon footprint. Mr. Tesfaye noted that **during the current fiscal year**, the BPAWTP is averaging **6.4** megawatts (MW) net production with the CHP system. This net production is about **22.5%** of the energy use at the BPAWTP. The goal is that net production accounts for 20% of energy use at the BPAWTP.

IV. CIP QUARTERLY UPDATE

Mr. Paul Guttridge, Director, CIP Infrastructure Management, DC Water, provided an update to the Committee on the Capital Improvement Program (CIP) Report for the 1st Quarter of FY2021. Mr. Guttridge gave a high-level update on CIP spending for FY2021.

Mr. Guttridge reported that spending on five of the six service areas was projected to be below baseline spending and spending on one service area was projected to exceed baseline spending.

Mr. Guttridge gave an update on Significant Contract Actions – six month look ahead:

- Project F200 – Small Diameter Water Main Replacement 14B
- Project F200 – Small Diameter Water Main Replacement 14C
- Project IY00 – Reclaimed Final Effluent Pump Station
- Project G500 – Soapstone Valley Creekbed Sewer Rehab
- Multiple Projects – Miscellaneous Facilities Upgrade 7
- Project CZ00 – Potomac River Tunnel Contract A – Advanced Utility Construction

Mr. Guttridge briefly discussed Key Performance Indicators (KPIs) for the CIP. There are 33 total KPIs due in FY2021. There were no KPIs due in the first quarter of FY2021, however one KPI scheduled for completion in the second quarter was actually completed in the first quarter.

The Committee inquired whether budgeted spending has been adjusted to account for the effects of the COVID-19 pandemic. Mr. Guttridge noted that the response to COVID-19 was formulated in April 2020 and budgeted spending for both FY2021 and FY2022 was reduced by approximately \$170 million.

V. 10-YEAR CIP PLAN FY21-FY30

Mr. Len Benson, SVP, CIP Project Delivery, DC Water, briefed the Committee on the proposed FY21-30 CIP Budget. He outlined the planned Budget Adoption Calendar as follows:

- February 4th, 2021 – FY21-30 CIP Budget Workshop Held
- February 18th, 2021 – FY21-30 CIP Budget presented to Environmental Quality & Operations Committee
- March 18th, 2021 – Address Questions and Comments on FY21-30 CIP Budget emanating from February 18th Environmental Quality & Operations Committee Meeting
- April 1st, 2021 – Adoption of FY21-30 CIP Budget by DC Water Board

Mr. Benson noted that the proposed 10-year disbursements for FY21-30 are \$5.4 billion, which is almost the same as the 10-year disbursements for the FY20-29 CIP Budget. He provided a breakdown of the 10-year disbursements.

Mr. Benson discussed the major initiatives funded in the proposed FY21-30 CIP. He noted that the Capital Construction Projects include \$1.03 billion for the DC Clean Rivers Project to meet consent decree requirements. He noted that for the first time, the budget includes a constant minimum of around \$100 million in each service area (except for Non-Process Facilities) per year throughout the 10-year period, which allows for better planning across all service areas. He noted that the CSO Program (which excludes DC Clean Rivers) will be merged with the Sewer Service Area in future.

Mr. Benson discussed the additional capital programs included in the proposed FY21-30 CIP. It was noted that capital equipment spending is generally for smaller equipment including pumps, motors, HVAC, equipment of DC Water facilities, IT equipment and fleet equipment. Mr. Benson discussed that Washington Aqueduct's (WAD) total budget for infrastructure improvements is \$247 million, and DC Water's share of WAD's infrastructure improvements is \$180 million, which is a decrease of \$15 million from the previous budget. For the first time, WAD presented a risk-based asset management CIP using decision-making tools to prioritize and rank projects to achieve established service levels.

Mr. Benson summarized adjustments to the CIP budget due to the impacts of COVID-19 on projected revenue. FY2020 was an atypical year as adjustments to the budget were required during the fiscal year. Adjustments to the baseline budget were made between April and June 2020. The overall capital disbursement budget was reduced by \$36 million in FY2021 and \$135 million in FY2022. He noted that the total \$171 million deferred from FY2021 and FY2022 has been deferred to FY2023 and beyond, up to FY2030. Numerous projects across the service areas were deferred. Mr. Benson noted that a risk-based asset management analysis was conducted when deciding which projects to defer and he discussed some of the projects that were deferred, some of the consequences of deferring these projects and how long they have been deferred.

Mr. Benson discussed CIP risks and sensitivities. E. Coli Total Maximum Daily Loading (TMDL) discharged by DC Water into the waterways of the District along with National Park Service (NPS) Permitting both remain risks. DC Water has a number of sewers on NPS property which require NPS permits for DC Water to access the sewer mains for maintenance and to prevent

them from leaking and collapsing; Rock Creek Park is a big concern in this regard. Mr. Benson added that the condition of WAD infrastructure remains a risk, DC Water has to ensure their infrastructure is in a good state of repair. Mr. Brent Christ, Director, Facilities Management, DC Water discussed risks and sensitivities for the Land Use CIP. A Program Management Consultant has been selected who will update the 2013 Non-Process Facilities Master Plan and identify projects that need to be completed.

Mr. Benson noted that a previously reported potential risk of DC Water being a responsible and capable party related to Polychlorinated Biphenyl (PCB) sediments in the Anacostia has been resolved and DC Water was found to not be a responsible for deposition of PCBs in the river.

Mr. Benson continued to discuss CIP risks. DC Water's Emergency Management team have been working with FEMA to get grants to assist with floodproofing of DC Water facilities and operations. He noted that DC Water will have to continue to monitor DOEE proposed regulations on the 500-year floodplain. The floodplain boundary is proposed to be enlarged and the elevation increased. DC Water continues to consider climate change impacts to infrastructure and will be working with DOEE on a plan for the District to address potential for climate change impacts.

Mr. Benson requested that the Committee submit any questions or comments to the Board secretary, and he will work to provide responses at the March 18th Committee meeting.

The Committee inquired about the goal of ramping up to replacing 1.5% of small diameter water mains (SDWM) per year starting in FY2028 and whether the recommendation to replace SDWM at a rate of 2% per year was still a goal. Mr. Benson noted that the goal of replacement of 2% of SDWM per year was initially recommended in order to reach a point that 50% of SDWM in the distribution system would have a remaining service life of 50%. At a rate of replacement of 2%, this was projected to be achieved in FY2045. Mr. Benson noted that currently, the goal is to replace SDWM at a rate of 1% per year until FY2028 before ramping up to 1.5% per year. The recommended goal of replacement at 2% per year was still under consideration and once expenditures associated with the DC Clean Rivers consent decree required program are gone, there would be more funding available to try and achieve the 2% replacement goal.

VI. ACTION ITEMS

Joel Grosser, Director of Procurement, Goods and Services and Len Benson, SVP, CIP Project Delivery presented the action items.

1. Contract No.: WAS-12-063-AA-RA-Protective Services, Allied Universal Security Service
2. Contract No.: 18-PR-DFS-29-Janitorial Cleaning Service, Clean Team Janitorial Service
3. Contract No.: 450 - Tunnel Dewatering Pump Station and Enhanced Clarification Facility, Arcadis District of Columbia, PC
4. Contract No.: 481 - Project Delivery Services for Sewer Service Areas, Greeley and Hansen/ O'Brien & Gere (Joint Venture)

NON-JOINT USE

1. Contract No.: 170170 - Public Space Restoration Contract FY18-FY21, Capital Paving of D.C.
2. Contract No. N/A: MOU Contract - Pennsylvania Avenue NW Streetscape Phase

- 1 From 17th Street to 22nd Street, District Department of Transportation (DDOT)
3. Contract No.: 190040 - 66-Inch/72-Inch PCCP N Street, Anchor Construction Corporation

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

VII. WATER OPERATIONS UPDATES

FIRE HYDRANTS

Ms. Marlee Franzen, Senior Manager, Water Operations, DC Water, briefed the Committee on the status of DC Water's fire hydrants. Ms. Franzen presented a map of public out-of-service fire hydrants and noted that there are no obvious areas of concern based on the distribution of out-of-service hydrants across the DC Water system. DC Water is below the 1% out-of-service service level established in the Memorandum of Understanding (MOU) between the District of Columbia Fire and Emergency Medical Services Department (DC FEMS) and DC Water. Ms. Franzen noted that there are 71 out-of-service fire hydrants - 48 are defective and require repair or replacement, and 23 are inaccessible or temporarily affected by construction.

WATER QUALITY

Ms. Maureen Schmelling, Director, Water Quality, DC Water, briefed the Committee on the status of EPA Drinking Water Regulated Monitoring for January 2021. Ms. Schmelling reported that there was one positive total coliform result from 252 samples collected as part of the EPA total coliform sampling. Ms. Schmelling reported that DC Water began the January to June semester compliance monitoring for the Lead and Copper rule sampling.

The Committee inquired about revisions to the Lead and Copper rule published by the EPA in December and requested that an evaluation be presented in the future to assess how the new rule will affect DC Water. Ms. Schmelling noted that DC Water has raised some questions with the EPA about some of the revisions and are waiting on the EPA to issue guidance on the revisions to the rule. Ms. Schmelling will present a summary of the revisions to the rule to the Committee at a future meeting.

VIII. OTHER BUSINESS / EMERGING ISSUES

None.

IX. EXECUTIVE SESSION

The Committee went into Executive Session at 11:13 a.m. to discuss facility security and reconvened into open session at 11:50 a.m.

X. ADJOURNMENT

Meeting was adjourned at 11:50 a.m.

Follow-up Items

1. Director, Water Quality – provide the Committee with an update on the new Lead and Copper Rule.



**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
Board of Directors**

Joint Meeting of the DC Retail Water and Sewer Rates and
Finance and Budget Committees

Tuesday, February 23, 2021

10:15 a.m.

MEETING MINUTES VIA MICROSOFT TEAMS

Board Members

Anthony Giancola, Chairperson
Rachna Butani Bhatt, Chairperson
Tommy Wells, Board Chair
Ivan Frishberg
Howard Gibbs
Adriana Hochberg
Howard Gibbs
Sarah Motsch
Jed Ross

DC Water Staff

David L. Gadis, CEO & General Manager
Matthew T. Brown, CFO & EVP, Finance and Procurement
Marc Battle, EVP, Legal Affairs
Kishia Powell, Chief Operating Officer, EVP
Armon Curd, EVP, Customer Experience
Lola Oyeyemi, Director, Budget
Linda Manley, Secretary to the Board

Call to Order

Anthony Giancola, Finance & Budget Chairperson, called the meeting to order at 10:15 a.m.

Overview of Proposed FY 2022 Budget

Mr. Matthew T. Brown, Chief Financial Officer & Executive Vice President, Finance and Procurement, provided an overview including the major drivers and underlying assumptions of the Proposed FY 2022 budget. The budget proposal includes the FY 2022 operating expenditure budget of \$658 million, Ten-Year Capital Improvement Program (CIP) disbursement of \$5.4 billion and the related revenue requirements in the Ten-Year Financial Plan. He further explained that \$10.5 million is being withdrawn from the Rate Stabilization Fund as part of this budget, as approved by the Board in last year's financial plan. The budget reflects the previously approved rates adopted as part of the two-year rate proposal a year ago and completes the shift of 37 percent of Clean Rivers costs from the Clean Rivers Impervious Area Charge to the sewer volumetric rate.

Next, Mr. Brown stated that this budget delivers many components that bring value to DC Water and our community by continuing. The budget advances efforts to continue to build a culture of performance and accountability at DC Water. There are new customer programs to repair leaks and to provide assistance for customers impacted by flooding events and COVID. The budget funds 14 apprentices learning skills and preparing for jobs at DC Water, continues to recognize savings in energy costs and a reduction in biosolids from the Combined Heat & Power (CHP)

facility. Additionally, Phases 1 and 2 of the Enterprise Resource Planning (ERP) system were successfully implemented on time and under budget. The Clean River Program continues, and more work is underway on the North East Boundary Tunnel. In FY 2020, there were \$376 million of active DBE construction awards underway, which is approximately 32 percent of active construction projects.

Mr. Brown gave an overview of the FY 2022 operating sources and uses of funds of \$756.4 million highlighting the diverse revenues and major expenditure categories, including Pay-Go. The ten-year CIP sources and use of funds is \$5.43 billion. These sources include debt financing of 37.3 percent, 35.7 percent from Pay-Go financing, 20.9 percent from Wholesale Capital Payments and the remaining from EPA grants & CSO appropriations and interest income on bond proceeds. He mentioned that with regards to revenue, he anticipates that DC Water will achieve COVID recovery with the exception of commercial consumption with projected decline of approximately 15 percent in FY2022 and the other years of the financial plan. Mr. Brown further explained the proposed investments in the capital program. This includes 21.1 percent for Water projects, 21.3 percent for projects at Blue Plains, 24.2 percent for Sewer projects, and 20.7 percent for Clean Rivers/CSO. The remaining fund will go to other investments such as Capital Equipment, Washington Aqueduct, Non-Process Facilities, and Stormwater Projects.

Capital Improvement Program (CIP) Budget

Next, Mr. Brown provided an overview of the capital program noting that detailed discussions on the capital projects were provided by the Engineering team to the Environmental Quality & Operations Committee. The proposed FY 2022 CIP disbursement is \$476 million and \$5.4 billion over the ten-year period. The proposed lifetime budget of \$12.13 billion, which covers historical spending, for active projects prior to, during, and beyond the ten-year period including labor costs. The program focuses on the prioritization of projects currently under construction, including the Clean Rivers program, and those that leverage outside funds. This budget funds replacement of 1.0 percent small diameter water mains and ramps up to 1.5 percent replacement per year for small diameter lines in FY 2028 and beyond. Additionally, it funds the ramp up to 1.0 percent rehabilitation per year for small sewer lines in FY 2024 and beyond, and 1.5 percent rehabilitation in FY 2031 and beyond. Additionally, the CIP continues work on the new Fleet and Sewer Facilities and advances funding for innovation program initiatives to continue operational efficiencies.

CFO Brown noted that this year's proposed CIP includes some project delays from the plan approved last year due to the COVID pandemic. He provided comparison of spending projections for the water and sewer projects over the next five years, with significant investments anticipated as DC Water approaches the completion of the Clean Rivers program.

Mr. Brown gave an overview of the process improvements for the capital program administration implemented with the new financial system which includes annual spending limits to ensure alignment between capital spending and rates in the financial plan. This also includes the establishment of a contingency for capital project spending in the financial plan. He explained that the change from a lifetime budget check to an annual spending limit for capital projects reflects best practices for budget administration and helps to keep expenditures in line with the rates that have been adopted by the Board.

Mr. Brown noted that while aligning the capital budget with the new annual controls are best practice, he also wanted to provide some flexibility for the capital program, due to the nature of capital projects sometimes progressing quicker or slower than planned. In order to ensure that DC Water does not exceed the annual budgets for capital spending, the engineering team aims for a target of 15 percent below the annual budget. He stated that in FY 2020, the Authority spent approximately 76 percent of the capital budget, which reflects the annual spending target and projects delayed due to COVID-19. He further explained that a new contingency has been created in the financial plan of five percent for FY 2021, and ten percent in FY 2022. Establishing this new contingency should assist in actual expenditures being closer to the annual budget and maximize the budget available for capital projects.

Operating Budget

Next, Ms. Lola Oyeyemi, Director, Budget, provided a detail overview of the FY 2022 Proposed Operating budget of \$658.4 million, which is approximately \$15.8 million above the FY 2021 approved budget of \$643 million mainly for debt service costs. She explained that the core Operations & Maintenance (O&M) costs have been consistently stable with an average growth of three to four percent per year and about 73 percent of that cost is fixed and non-discretionary. The overall budget is \$22.6 million below the previous financial plan forecast for FY 2021.

Ms. Oyeyemi explained that the FY 2021 operating budget forecast is \$20 million below the approved levels due to the impact of the pandemic on revenues. Departmental spending plans were developed to prioritize critical expenditures and achieve reductions in various areas. She reviewed the areas of budget reductions including rightsizing of vacancies, reduced chemical costs, lower purchase cost of drinking water based on decline in consumption, and reduced costs for temporary services and staff augmentation, and other operational activities. She stated that contingencies have been centralized to manage risks for price escalation or emergencies.

The Proposed FY 2022 budget funds two new positions to support the LeadFree DC efforts for inspection work and eight new positions to reduce continued reliance on consultants for support of Helpdesk, Cybersecurity, Automatic Meter Reader administration, schedules for capital project planning, hazard mitigation grants, budgeting and payroll functions. The budget includes \$1 million for a new assistance program to repair property leaks impacting water bills; a new comprehensive inspection and maintenance program for small local sewers in FY 2022 for \$0.5 million, with future ramp-up estimated at \$0.9 million, \$1.3 million for the maintenance of the Green Infrastructure (GI) facilities to manage stormwater and \$0.7 million for additional security guards needed at the new Fleet Management and Sewer Services facilities. It also provides \$0.7 million for the Backwater Valve program through FY 2023 for the installation of backwater valves on private properties in response to the September 10, 2020 storm event.

Ms. Oyeyemi went on to review the O&M budget drivers noting that in FY 2022, personnel services is at \$180.4 million or an increase of \$2.5 million primarily to cover requirements for the merit increase, apprenticeship program, and ten new positions. Major chemicals used in the wastewater treatment process decreased by \$1.9 million. Utilities decreased by \$0.6 million and assumes onsite electric generation of 6MW from the CHP facility which continues to slow down the growth of energy costs. Water Purchases also decreased by \$1.0 million due to continued decline in water demand. Other areas of the budget for contractual services and small equipment remain relatively flat compared to FY 2021 levels.

Next, Ms. Oyeyemi went on to review the non-O&M costs. She stated that management anticipates savings of \$5 million in the debt service costs for FY 2021. The proposed FY 2022 debt service budget is \$231.2 million and represents 35.1 percent of the total operating expenditure and 31.1 percent of the total operating revenue. Over the next ten years, about \$2.0 billion is anticipated to be borrowed to fund capital expenditures. She stated that the PILOT & ROW payment of \$22.7 million is consistent with the agreement with the District.

In closing, Ms. Oyeyemi highlighted possible risks as DC Water continues to respond to the impact of COVID-19 on revenue, decline in consumption and lower cash receipts. Other risks include possible higher overtime costs for emergencies, external factors that can significantly impact fixed costs such as chemicals and utilities due to market volatilities, operational requirements for new facilities, and higher than anticipated costs for litigation and insurance requirements. To mitigate the risk of budget shortfall, Ms. Oyeyemi explained that the Cash Financed Capital Improvements (CFCI) will help ensure adequate budget appropriation with any unused funds transferred to Pay-Go.

Operating Revenue

Next, Mr. Brown explained that DC Water revised the FY 2021 revenue budget downwards at \$692.3 million instead of the \$733.7 million that was adopted in the original FY 2021 budget. He stated that the FY 2022 rates and ten-year projected average monthly residential customer bill are the same as what was presented to the Committee and Board when the multi-year rates for FY 2021 and FY 2022 were approved. He provided an overview of the historical (FY 2013 – FY 2020), approved (FY 2021 and FY 2022), and projected (FY 2023 – FY 2030) combined rate increases. Mr. Brown presented a comparison of the FY 2020 actual, FY 2021 revised budget and FY 2020 proposed budget revenues by customer class. He noted that the average residential and CAP customer monthly bills for FY 2021 and FY 2022 are the same since the Board has already approved the rates last year for both years. He also noted that the CAP customers are able to qualify for significant discounts, which is about 68 percent of total bill for FY 2022. Mr. Brown briefed the Committee on the impact of the rate increase for the average residential, multi-family and commercial customers.

Customer Assistance Program

Mr. Brown provided an overview of the customer assistance programs that DC Water offers and noted that DC Water has seen a significant increase in assistance over the previous years. Mr. Brown mentioned that detail information regarding the customer assistance programs is available on the DC Water website.

Ten-Year Financial Plan

Mr. Brown mentioned that the ten-year financial plan is a component of the budget adoption and it will be presented to the Board for approval. The financial plan helps DC Water to balance the investment in infrastructure versus rates and affordability. Mr. Brown provided an overview of the assumptions in the ten-year financial plan and management's targeted financial metrics, which includes maintaining debt service percentage of total operating revenues of 33 percent or less,

combined coverage of 160 percent, Rate Stabilization Fund of 10 percent of revenue, and 250 days of cash including Rate Stabilization Fund. Mr. Brown provided the summary of changes to the financial plan for FY 2022 due to the impact of COVID-19: (i) a \$20.3 million decrease in residential, multi-family, and commercial revenue due to continued 15 percent decline in commercial consumption; (ii) \$244.9 million decrease in total revenue for FY 2021 – FY 2029 in the proposed financial plan versus previously Board approved financial plan; (iii) \$1 million per month delinquencies will continue through FY 2021 and waived late fees through FY 2021; (iv) decreased operating expenses in response to the revenue decline; (v) \$135 million reduction to capital budget to reduce planned borrowing; and (vi) total CIP remains essentially unchanged at \$5.45 billion (\$5.45 billion previous, \$5.43 billion current).

Mr. Brown informed the Committee that DC Water has built a structure in the financial plan to ensure that the necessary funds are available for innovative projects. He noted that these funds will not have an impact on the financial plan or rates since they will be repaid through revenues generated by the projects. Mr. Brown stated that the FY 2021 – FY 2030 financial plan includes \$12.9 million fund for innovation projects. Business cases for proposed projects will be developed through a structured and deliberate process, established with the Innovation Refresh project, specifying both value and effort to determine benefit and project approval is by Senior Executive Team.

In closing, Mr. Brown reviewed management's recommendations and the action items for the operating expenditure budget, ten-year capital disbursement and project lifetime budget, ten-year financial plan and the intent to reimburse capital expenditures with proceeds of a borrowing. He reminded the Committee members to submit budget related questions to the Board Secretary and that the respective recommendations and actions from the various Committees are anticipated in March with final budget adoption by the full Board on April 1, 2021.

Follow-up Items

- Discuss the factors used in establishing priorities in the CIP and if these include ROI using cost benefit analysis (**Tony Giancola**)
- Provide additional information on the recent changes implemented in the billing process for DC government (**Tommy Wells**)
- Since the spending on Clean Rivers is diminishing over the next five years, is the majority of DC Water's planned borrowing needs as a result of infrastructure maintenance or asset management? (**Rachna Butani Bhatt**)

Adjournment

Hearing no further business, Chairperson Anthony Giancola adjourned the meeting at 11:15 a.m.



**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**

Board of Directors

Finance and Budget Committee

Tuesday, February 23, 2021

11:00 a.m.

MEETING MINUTES VIA MICROSOFT TEAMS

Committee Members

Anthony Giancola, Chairperson
Adriana Hochberg
Sarah Motsch

Other Board Member

Tommy Wells, Board Chair

DC Water Staff

David L. Gadis, CEO & General Manager
Matthew T. Brown, CFO & EVP, Finance and Procurement
Marc Battle, EVP, Legal Affairs
Kishia Powell, Chief Operating Officer, EVP
Lola Oyeyemi, Director, Budget
Paul Guttridge, Director, CIP Infrastructure Management
Linda Manley, Secretary to the Board

Call to Order

Anthony Giancola, Chairperson, called the meeting to order at 11:17 a.m.

January 2021 Financial Report

Mr. Matthew T. Brown, Chief Financial Officer & Executive Vice President, Finance and Procurement, provided the monthly financial report by exception. At the end of January 2021, operating revenues were \$234.4 million, or 31.9 percent of budget, operating expenditures were \$181.5 million, or 28.2 percent of budget, and capital disbursements were \$112.9 million, or 22.2 percent of budget.

Mr. Brown reported that, at the end of the fourth month of FY 2021, DC Water's revenue is \$16.0 million below budget, and that is slightly higher than previously provided forecasted through this reporting period. He stated that the proposed ten-year financial plan includes an estimated revenue reduction of \$244.9 million, which includes \$41.5 million anticipated reduction in FY 2021. This revenue decline is a combination of the decline in commercial customers consumption of about 30 percent and increase in delinquencies. He further explained that the portion of revenue decline that is anticipated to continue in the future is in commercial customer consumption, of 15 percent.

Mr. Brown noted that management's proactively responded to reduced revenues by limiting expenditures. Measures to reduce expenditures were put in place to mitigate the decline in consumption and increase in delinquencies has resulted in operating expenditures that are \$19.4

million below budget. Capital expenditures are \$63.7 million below budget in part because of efforts to respond to a reduction in revenues.

Next, Mr. Brown reported that the FY 2020 Comprehensive Annual Financial Report (CAFR) is underway and will be available on DC Water's website when it is completed. The OMB Guidance Audit and the Green Bond report is underway and will be completed in February 2021. He also noted that the FY 2020 IMA (Intermunicipal Agreement) Operating and Maintenance Settlement is underway with completion expected by the end of March 2021. He informed the Committee that management is preparing for the DC Council Public Oversight Hearing for the FY 2020 – FY 2021 operational and financial performance which is scheduled for March 15, 2021.

In closing, Mr. Brown reminded the Committee that detailed discussions on the FY 2022 budget proposal will continue with Committee actions anticipated in March and budget adoption by the full Board on April 1, 2021.

Capital Improvement Program (CIP) Quarterly Report

Mr. Paul Guttridge, Director, CIP Infrastructure Management, provided an overview of the FY 2021 first quarter CIP report. He stated that the current projection for DC Water's capital projects disbursements of \$408 million by the end of the fiscal year is on track to meet the proposed budget baseline of \$419 million (revised with several projects deferred to later years as a result of COVID impact).

Mr. Guttridge went on to review the actual and projected disbursements by service area, and noted that of the six service areas, only the Wastewater Treatment service area was above the baseline by \$7.2 million. This was mainly due to the Gravity Thickener Upgrades Phase II project progressing faster than the baseline schedule. Additionally, there were some delays in invoice payments from September to October which contributed to the higher disbursements during this fiscal year.

Next, Mr. Guttridge provided an overview of the upcoming contract actions and the Key Performance Indicators (KPIs) for the capital program. He noted that there are thirty-three KPIs scheduled for FY 2021, of which one was completed in the first quarter, and the remaining are scheduled to be completed in the second, third and fourth of this fiscal year.

Follow-up Items

- Provide an update on the Comprehensive Annual Financial Report (CAFR), the OMB Uniform Guidance Audit, and the FY 2020 Green Bond Report at the next Committee meeting **(Mr. Giancola)**
- Provide update on the delays to the Building Modifications and Seawall Restoration capital projects in next CIP quarterly report **(Mr. Giancola)**

Adjournment

Hearing no further business, Chairperson Anthony Giancola adjourned the meeting at 11:35 a.m.



**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**

Board of Directors

Special Meeting of the Finance and Budget Committee

Wednesday, March 3, 2021

9:00 a.m.

MEETING VIA MICROSOFT TEAMS

Committee Members

Anthony Giancola, Chairperson
Adriana Hochberg
Sarah Motsch

DC Water Staff

Matthew T. Brown, CFO & EVP, Finance and Procurement
Marc Battle, EVP, Legal Affairs
Linda Manley, Secretary to the Board

Call to Order

Anthony Giancola, Chairperson, called the meeting to order at 9:01 a.m.

Roll Call

Ms. Linda Manley, Board Secretary, DC Water, conducted a roll-call of the Committee members and staff.

Executive Session

There was a motion to move into Executive Session by Mr. Giancola to discuss legal, confidential, and privileged matters pursuant to Section 2-575(b)(4)(A) of the D.C. Official Code. It was so moved and seconded, and motion carried. The Committee went into Executive Session at approximately 9:03 AM. The Committee reconvened into open session.

Action Item:

The Committee made a recommendation to forward to the full Board a resolution Authorizing the Execution and Delivery of the First Amendment to the Master Letter of Credit Agreement with TD Bank, N.A for the Authority's ROCIP and the Twenty-Eighth Supplemental Indenture of Trust which extends the security of the Indenture to the Master Letter of Credit Agreement.

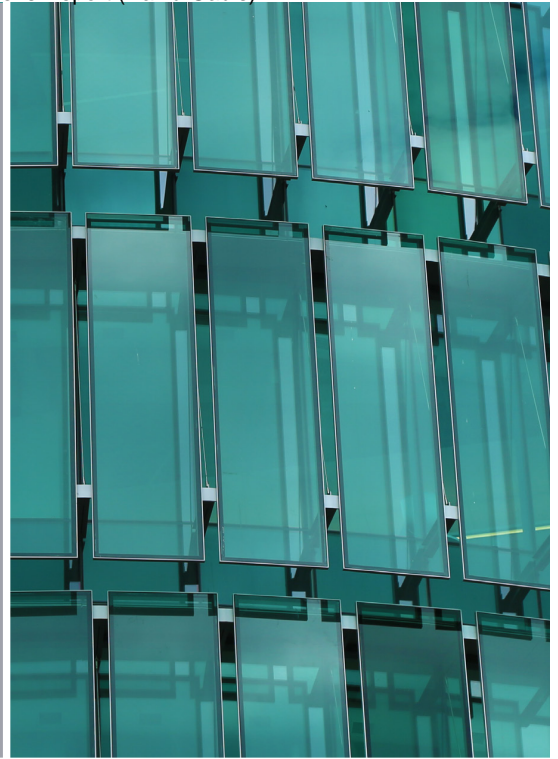
Adjournment

Hearing no further business, Chairperson Anthony Giancola adjourned the meeting at 9:21 a.m.



CEO's Report

MARCH
2021



ACCOUNTABILITY TRUST TEAMWORK CUSTOMER FOCUS SAFETY WELL-BEING

Inside

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- 3 Clusters
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- 8 Customer Experience Cluster
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- 14 High Risk Audit Findings
- 15 CEO Report Dashboard



dc March Highlights

Board members, let me begin by thanking each of you for participating in our Joint Leadership-Board Virtual Retreat in February. We covered a lot of ground in those two days, and I believe the robust discussions were extremely productive. The Senior Executive Team and I deeply value the Board's input on our strategic priorities and most pressing challenges.

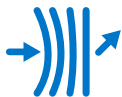


High Performing Team



New Chief Communications and Stakeholder Engagement Officer

This month, **Kirsten B. Williams** joins us as the Authority's Chief Communications and Stakeholder Engagement Officer (CCSEO). Ms. Williams fills out my Senior Executive Team and brings a wealth of experience and a phenomenal academic background to this role. She will be tasked with developing a strategic communications plan, media relations, crisis communications and reputation management among other significant responsibilities. Please join me in welcoming her to DC Water.



Resilience and Readiness

HQO Officially Certified as LEED Platinum

On February 10, I received word that the DC Water headquarters building (HQO), has been officially certified by the U.S. Green Building Council (USGBC) as LEED Platinum. LEED Platinum represents the top tier of the LEED rating system, and is reserved for those buildings that collectively achieve the highest scores across nine areas of measurement: An integrative process, location and transportation, sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, innovation and regional priority.

According to Sven Shockey of SmithGroup, the architect and engineer for the project, there are only 125 platinum certified buildings in DC. In addition, the DC Water structure is the very first new office building in North America to use a wastewater thermal exchange system to heat and cool the building.

HQO was also recognized for its many other sustainable features, including the green roof which reduces stormwater runoff and contains grass, flowers and shrubs to absorb rainwater. A 40,000-gallon cistern collects any rainwater not absorbed by plantings. The collected water is then used for 100% of the toilet flushing and irrigation needs of the building. The use of the wastewater thermal exchange system and the rainwater capture saves up to 1.2 million gallons of water annually.

Most of the building interior is natural daylight so interior lighting is automatically shut off or dimmed during the day, saving energy. At night, lighting is motion-activated. As a result of all the energy-saving approaches designed into the building, it is one of the most energy-efficient structures in the city, using 48% less energy than a typical office building of its size.



dc March Highlights



Stakeholder Engagement

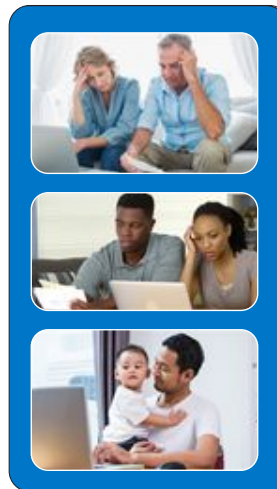
Voice of the Customer Program Launches



The Customer Experience cluster launched our highly anticipated Voice of the Customer (VOC) program in February. VOC will leverage proven Qualtrics software and tools to collect useful and actionable data from customers. Periodic surveys will provide insights into customer satisfaction with DC Water services and interactions across our many touch points with our customers. Feedback gathered will establish service benchmarks and address gaps and opportunities for improvement from the customer's perspective.

VOC represents a significant step forward for the Authority as the insights generated will be leveraged to drive organizational improvements while also demonstrating that DC Water cares about our customers and the quality of the services we provide.

DC Water Cares Multifamily Housing Assistance Program



Following Board approval, DC Water formally launched the DC Water Cares Multifamily Housing Assistance Program in February. We stood up a dedicated webpage for the program and issued a press release which drew media coverage from local outlets including DCist and WTOP Radio. This innovative program assists families residing in multifamily properties, like apartment buildings or low-income condominium associations. Historically, in such instances, water charges have been built into rent or HOA

dues, and because of that, these families have not been eligible for discounts. Under the new program, discounts will be provided to owners to pass along to income-qualified tenants.

Armon Curd (Executive Vice President / Customer Experience), **Carolyn Mackool** (Director, Customer Care / Customer Experience) and the rest of the project team did an outstanding job to position DC Water to launch this groundbreaking initiative, one of only a handful nationwide to assist customers who do not pay their water bills directly.



2020 Annual Report Released

The Authority has released its 2020 Annual Report, distributing it to stakeholders and posting it on the DC Water website. As you know, this was no ordinary year for the Authority or the water utility industry. In fact, our industry leadership and accomplishments over the past year are even more striking given the very challenging circumstances.

Additionally, this year's Annual Report also contains a new scorecard section that details

our progress on the strategic programs outlined in The Blueprint. This new element of the publication provides greater transparency for our stakeholders, measures follow through on our stated objectives and builds trust with the community we serve.

I encourage each of you to review the Report and I thank each of you for your support of our efforts and your contributions towards the Authority's success last year.

September 10 Flooding Response Update

Although incoming claims have slowed considerably, our teams continue to assist families affected by the September 10 flooding with guidance and support on claims as needed. As of this morning, 282 related claims for reimbursement have been received. For the DC Water cleaning program (Service Masters and ServePro), approximately 179 customer properties have requested the service with no outstanding cases. To date, DC Water has been invoiced for cleaning totaling \$571,309.95.



Clusters

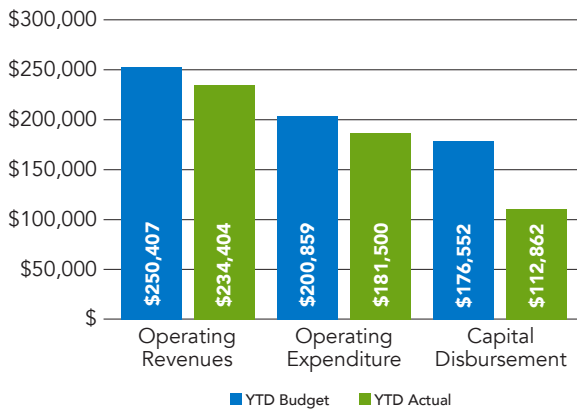
New to the CEO report are the addition of service level based key performance indicators for our operations clusters. These are indicators for which the teams have established or confirmed response and resolution times in which to perform the related work. This is assisting us in identifying productivity 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.

Finance Highlights

FY 2021 Financial Performance YTD

As of the end of January 2021, with 33 percent of the fiscal year completed, both revenues and expenditures are below budget. Revenues are below budget by \$16 million mainly for the Residential, Commercial and Multi-Family category as compared to the year-to-date (YTD) budget. DC Water is working to align expenditures with revenues, and as a result operation and maintenance expenditures are below the YTD budget by \$19.4 million.

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



2016 Environmental Impact Bond (EIB) Performance Outcome Update

The final 2016 Environmental Impact Bonds (EIB) performance outcome associated with the private placement agreement was reviewed by independent validator WSP USA. WSP confirmed and has concurred with DC Water's finding of a Tier 2 outcome where no contingency payment of \$3.3 million is necessary for either DC Water or the private investors.

FY 2021 CSO Appropriation Funds Update

The Federal Bureau of the Fiscal Service awarded DC Water with the annual appropriation for CSO funding for the Clean Rivers project in the amount of \$8 million for FY 2021.

Procurement and Compliance Highlights

Notable Contract Awards:

- The \$47,988 Early Flood Warning and Predictive Rainfall Modeling contract was awarded in response to September 10th, 2020 storm event. This will enhance an early flood warning and predictive rainfall modeling platform.
- A \$2.1 million National Arboretum Sewer Rehabilitation Construction Contract was awarded for the emergency rehabilitation of the federal property inside the National Arboretum. The work will help prevent the failure of a 51-inch diameter pipe that could cause an overflow in the environmentally sensitive area and possible damage to property.
- New Green Infrastructure Maintenance contracts are awarded to two Certified Business Enterprises. The contracts resulted in the total estimated saving of \$346,900 or about 9% saving from Engineer's Estimate.

Business Diversity and Inclusion:

DC Sustainability Energy Utility (DCSEU)

DC Water has partnered with DCSEU as a host site to provide on the job training to DC residents. DC Water selected three externs who are assigned to the Procurement Compliance Department from January 25, 2021 to June 30, 2021. This is DC Water's 2nd cohort with DCSEU.

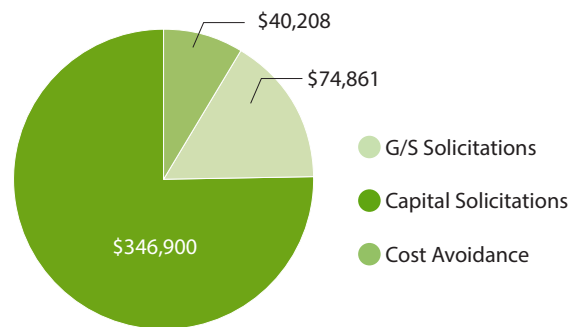
DC Water Apprenticeship Program

For the 2nd year of apprenticeship program, HVAC apprentices began the virtual training on February 5, 2021. Plumbing and Wastewater apprentices are expected to begin in March 2021.

Cost Savings (negotiated savings and cost avoidance):

The chart below shows the cumulative FY21 total cost savings achieved by Procurement through competitive solicitation process in the Capital Project and Goods/Service solicitations and cost avoidance achieved in the Materials Management through the inventory optimization.

Savings from Completed Solicitations in FY21



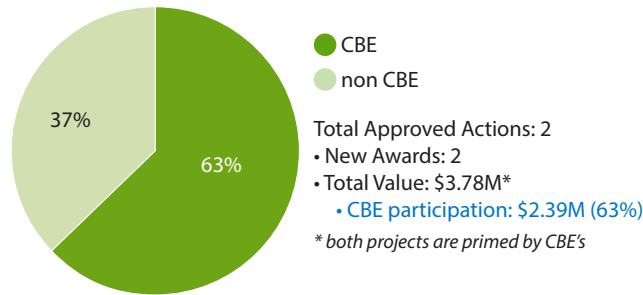
dc Finance and Procurement Cluster

Procurement and Compliance – continued

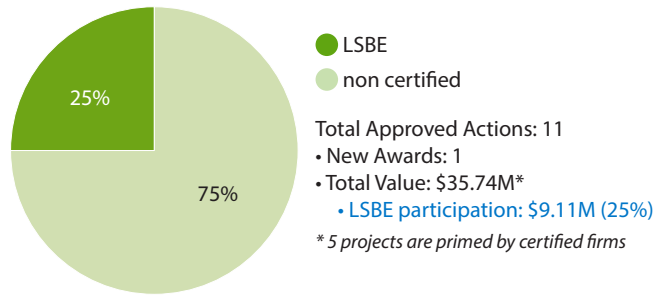
Business Diversity and Utilization:

The charts below show the Business Development Utilizations achieved in FY21 awarded contracts in different categories such as GI, Goods/Services, A/E, and Construction.

FY21 Board Approvals for Green Infrastructure Maintenance Projects

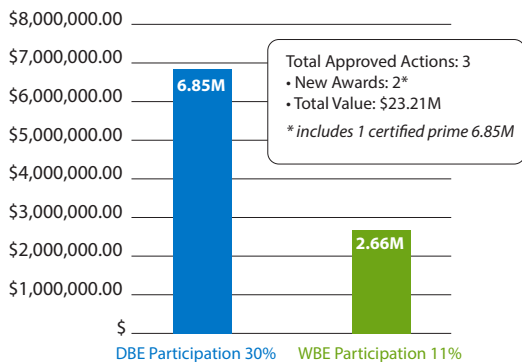


FY21 Board Approvals for Goods and Service Projects

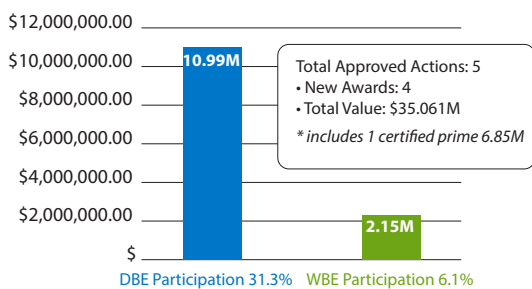


Footnote: Of the total actions approved by the Board in FY 21, \$25.6M was awarded to CBE's. This amounts to 31% of the work awarded so far. This figure includes the CBE utilization on the GI projects (which has a 50% CBE Goal). But it also includes utilization on projects that do not have specific CBE goals. This figure also includes firms that have the "Local-only" designation within the CBE certification. Except as it relates to the GI projects, this figure is for information only.

FY21 Board Approvals for A/E Services



FY21 Board Approvals for Construction



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	Delivery Type	Estimated Total Contract Value	Eligible Inclusion Program
Mar 2021	Filter Underdrain and Backwash System	Design	TBD	DBE/WBE or MBE/WBE
Apr 2021	PI Cabin John Culvert Headwall & Embankment Repair	Bid Build	\$1-\$5M	DBE/WBE or MBE/WBE

Goods and Services Procurement:

Planned Solicitation	Project Title	Estimated Total Contract Value	Eligible Inclusion Program
Mar 2021	Cisco Smartnet Renewal	< \$1M	LSBE
Mar 2021	Primary Polymer	<\$1M	DBE/WBE
Mar 2021	Secondary Polymer	<\$1M	DBE/WBE
Mar 2021	Payment Gateway Services	\$1-\$5M	DBE/WBE
Mar 2021	Fire Protection Systems	\$1-\$5M	DBE/WBE
Mar 2021	Crane Hoist Repair & Maintenance	\$1-\$5M	DBE/WBE
Mar 2021	Dental Medical Benefit for Employees	\$1-\$5M	DBE/WBE
Mar 2021	Group Life and Disability Insurance	< \$1M	LSBE
Mar 2021	Medical Benefit Plans for Employees	> \$10M	DBE/WBE

COVID-19 Recovery

The Office of Emergency Management continues to coordinate with public health officials from DC Department of Health and FEMA National Business Emergency Operations Center to discuss COVID-19 vaccine distribution efforts. DC Water staff are essential workers who are expected to access vaccines in Phase 1c, though the exact timeline and logistics within the District are still being developed by the Mayor's Office.

Accomplishments

The Office of Emergency Management led the Authority's planning, IMT activation, and response efforts for the 2021 Presidential Inauguration. Planning efforts included hosting onsite joint briefing with US Secret Service (USSS) to provide information to Secure Zone staff in the tunnel, coordinating with USSS to credential 65 DC Water staff and placard 34 vehicles for Secure Zone access before and during the Inauguration, and developing and disseminating Secure Zone fact sheets for all staff that were entering the Secure footprint of the 2021 Presidential Inauguration. Three situational reports were also developed and disseminated on Inauguration day.

Facility and Security Projects



Security completed installation and upgrade of fencing along the Main Pumping Station (Eastside and Southside perimeters).

The Facilities Department upgraded elevator cars at the Blue Plains Secondary Control Building.



Upcoming Priorities

Fleet Management continues to focus on the availability of Priority #1 units, and despite the many challenges of COVID-19 has increased availability to 83% with significant improvements expected next month after we get over the impacts of the holidays. With three positive COVID cases, nearly all technicians (contractors) were subject to quarantine as identified close contacts. Service from two outside contractors continues to face delays due to COVID-19 impacts within their own workspaces. Additionally, Priority #1 units subject to COVID cleaning protocols have delayed scheduled maintenance activities, as DC Water undertakes a thorough cleaning for any vehicle occupied by a person with COVID-19/identified close contact. There has also been an increase in road calls due to dead batteries, not unexpected as fleet metrics usually go down slightly in the winter months. Fleet is working closely with vehicle users to perform CDL walkarounds and conduct start-ups of their units not in regular use to avoid dead batteries and other safety issues.

Administration Metrics

Metric	Target	Oct-20	Nov-20	Dec-20	Jan-20
Security: Camera operational uptime	90%	94%	96%	96%	95%
Security: Smart card readers operational uptime	90%	100%	99%	99%	99%
Security: Percent of security investigations completed within 21 days	95%	75%	80%	80%	100%
Facilities: Preventive Maintenance Completion Rate	90%	7%	21%	48%	40%
Facilities: Service Request Completion Rate	90%	30%	30%	38%	22%
Fleet: Preventive Maintenance (PM) on Schedule	96%	12%	22%	17%	19%
Fleet: Priority Vehicles/Equipment (In-Service)	96%	90%	89%	82%	83%
Safety: DC Water Employee Recordable Incident Rate (RIR)	< 5.3	3.1	3.5	3.7	3.6
Safety: DC Water Employee Lost Time Incident (LTI)	< 2.1	1.8	1.2	1.8	2.3
Safety: Contractor/ROCIIP Recordable Incident Rate (RIR)	< 2.8	0	0	1.4	1.42
Safety: Contractor/ROCIIP Lost Time Incident (LTI)	< 1.1	0	0	0	0.14

Facilities and Fleet continue to struggle to meet preventative maintenance (PM) and service request benchmarks due to the reductions in services and activities related to COVID-19. Additional information on Fleet Priority #1 availability metrics is detailed above in Upcoming Priorities.

The DC Water Employee Lost Time Incident (LTI) rate has exceeded target this month. DOSH attributes that increase to reduced Alternative Work Duties (AWDs) due to the lack of these duties being offered to people who are out for COVID & non-COVID related cases as we maintain universal safeguards.



dc Customer Experience Cluster

Customer Care and Information Technology

Customer Experience's answer rate is improving and should continue in that direction over the next few months. Our new hires are adjusting well and answering calls with very little assistance. We will continue to work on their handle time to increase our overall answer rate. We had an increase in our average wait time due to the number of calls received on inauguration day. We will continue focusing on guiding our customers to assistance programs as they contact us in the call center as well as offering flexible payment arrangements.

Customer Assistance Programs (CAP)

Program	FY2020 Enrolled	FY2020 Dollars	Jan. # Enrolled	Jan. Dollars	# FY21 Enrolled	FY2021 Dollars	FY2021 Budget
CAP I	3,818	\$1,584,808	519	\$148,344	2,405	\$505,419	\$2,200,000
CAP II	624	\$173,837	8	\$17,048	404	\$67,815	\$200,000
CAP III	133	\$25,863	5	\$2,321	125	\$9,963	\$200,000
Non Residential CRIAC Relief	171	\$1,028,753	4	\$63,605	88	\$261,086	\$2,747,591
Emergency Relief Program	2,098	\$884,388	305	\$174,868	1,164	\$564,391	\$1,073,979



IT Monthly Report

SR/WO Type	SL Target/SLA	Apr 2020	May 2020	Jun 2020	July 2020	Aug 2020	Sept 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021
Number of tickets submitted	Trend only	1,028	1,802	1,731	1,606	1,026	1,028	937	825	930	836
Number of open tickets	Trend only	50	25	56	57	24	99	31	7	108	33
Helpdesk SLA	96%	93%	100%	98%	98%	96%	97%	95%	96%	100%	98%
Number of active projects	Trend only	12	12	11	9	9	11	18	20	21	20
Number of completed projects	Trend only	10	15	17	19	22	23	0	0	3	4
On schedule performance	90%	75%	74%	74%	74%	75%	94%	94%	91%	95%	87%
On budget performance	90%	97%	97%	100%	100%	96%	100%	100%	100%	91%	96%

dc Customer Experience Cluster

Customer Care and Information Technology

Key Performance Indicators

Metric	Target/ Service Level	Oct-20	Nov-20	Dec-20	Jan-21
% of Bills issued on time (w/in 5 days)	95%	99%	98%	97%	97%
Estimated bills as a percent of meters read	3%	5%	6%	5%	5%
Number of High Bill Complaints	trend only	289	276	362	239
% of OPC inquiries resolved within 14 days	90%	100%	100%	100%	100%
Monthly Call Volume Served (Call Center)	trend only	7,943	6,042	6,391	5,799
Average Talk Time (minutes)	3:30	6:13	5:25	5:38	5:54
Average Wait Time (minutes)	1:30	3:25	1:10	1:58	4:11
Abandoned Calls (%)	6%	9%	3%	4%	3%
% of calls answered in 40 seconds (call center)	85%	51%	81%	71%	83%



dc operations and Engineering Cluster

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

Featured Department of the Month – Blue Plains

Accomplishments

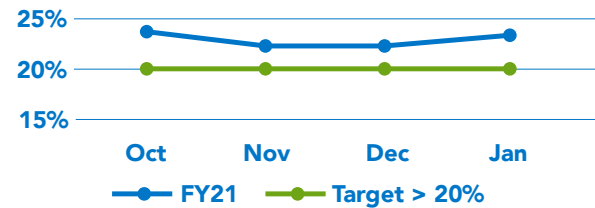
Wastewater Operations Research and Development team published an article in Water Research titled "Towards more predictive clarification models via experimental determination of flocculent settling coefficient value". This work demonstrates the significance of flocculation, which under certain operating conditions, can lead to better effluent quality and increased capacity within existing treatment basins.

Key Priorities

Wastewater Operations continues to focus and implement proactive maintenance on equipment used to produce Class A Biosolids that improve the availability and reliability of the equipment. Operations and Maintenance staff also continue to proactively remove large mixers from Anaerobic Digesters to inspect, repair, avoid costly failures and equipment downtime.

Operations and Maintenance teams continue to monitor the Critical Asset Availability key Performance Indicator (KPI) to sustain a 95 percent availability and meet operational objectives.

Combined Heating and Power Solar Energy



Compliance

In January, Wastewater Operations maintained and reported full compliance of all regulatory compliance for wastewater effluent, air quality and Class A Biosolids. In addition, requirement to de-water the Anacostia River Tunnel within 59 hours at the end of rainfall was met during each event.

Key Performance Indicators

Metric	Target/Service Level	Oct-20	Nov-20	Dec-20	Jan-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%	24%	22%	22%	23%
Reactive Maintenance	<20%	34%	26%	31%	35%
Critical Asset Availability	>95%	96%	98%	96%	97%
Sewer Operations					
CSS Structures Inspection	100%	100%	100%	100%	100%
MS4 Area Catch basins Cleaning/Inspections	100%	82%	86%	91%	9%
CSS Area Catch basins to Anacostia – Cleaning/Inspections	100%	100%	100%	100%	0%
Non-Anacostia CSS Area Catch Basins – Cleaning/Inspections	85%	76%	87%	100%	0%
Sewer Cleaning and Inspection (Miles)	>12	3.4	2.4	3.1	4.6
Sewer Backup (Investigation to Resolution)	>95%	100%	100%	100%	100%
Sanitary Sewer Overflow	1.4 per 100 Miles	0.62	0.62	0.46	0.15
Combined Sewer Overflow	0	1	1	0	0

dc^o Operations and Engineering Cluster

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

Key Performance Indicators continued

Metric	Target/Service Level	Oct-20	Nov-20	Dec-20	Jan-21
Pumping Operations					
Firm Pumping Capacity Maintained	100%	100%	100%	100%	100%
Reactive Maintenance	<20%	29%	39%	36%	34%
Critical Asset Availability	95%	97%	97%	97%	97%
Water Operations					
Safe Drinking Water Compliance	100%	100%	100%	100%	100%
Replace Non-Standard Hydrants	>21/Month	2	5	4	2
Hydrant Flow Tests (Non-Winter Months)	>180	49	73	72	23
Fire Hydrants Operational	99%	99.5%	99.6%	99.5%	99.5%
Emergency Water Service Orders Completed	>90%	92%	88%	75%	92%
Water Quality Complaint Resolution (within 48 hours)	>90%	71%	83%	45%	58%
Water Main Breaks	<28	44	37	86	80
Water Main Break Rate /100 Miles (National Average is 25)	25	38.83	35.74	49.13	54
% of Hydrant Leaks in Inventory that are not leaking	>90%	NEW	99.6	99.2	99.2%
Permit Operations					
Overall On-time completion of Permit Reviews	90%	91%	86%	89%	87%





Operations and Engineering Cluster

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

Explanation of Missed Targets

Wastewater Operations Reactive Maintenance (20%)

DC Water has adopted industry best practice benchmark of less than 20% reactive maintenance hours as a percent of total maintenance hours. Based on experience from leading Industries, it will require 3-5 years to transform to a culture of proactive maintenance and effectively implement proven skills to eliminate or reduce failures that lead to reactive maintenance.

MS4 Area Catch Basin Cleaning/Inspection (100%)

Annual goal and January numbers reflect starting a new Calendar Year.

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

Annual goal and January numbers reflect starting a new Calendar Year, and seasonal limitations to clean catch basis.

Sewer Cleaning and Inspection (Miles) (>12)

Reflects cleaning in response to service calls. At this time, the Department does not have the available resources to achieve the target. We have a dedicated contract in place to improve the performance.

Replace Non-Standard Hydrants (>21/month)

The Department did not meet the monthly target due to prioritization of other emergency field work.

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

The Department did not meet the monthly target due to fleet availability and prioritization of other emergency field work.

Water Quality Complaint Resolution (within 48 Hours)

The percent of complaints resolved was lower in December and January due to decreased staff availability. Our response to customer complaints follow this progression: phone consultation, water testing, flushing, water testing 1-2 weeks after flush to ensure water quality has maintained improvement, and repeat flushing and testing as necessary. WQ&T currently has 4 of 6 WQ technicians employed, therefore we are not able to complete much of the non-compliance activities which for this program is the water testing after flushing to ensure the flushing activity resolved the complaint.

Water Main Breaks (<28) and Water Main Break Rate / 100 Miles (National Average is 25)

The Department did not meet the monthly target due to seasonal main break activity.

Over-all on-time completion of Permit Review (>90%)

The holiday season between December and January typically results in a dip on on-time production due to staff availability, resulting in a backlog and slight delay over the following months.

dc DC Water Capital Improvement Program

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

Blue Plains Update on Current Projects

Reclaimed Final Effluent Pump Station Systems Upgrade

- This project was advertised for construction and proposals are being evaluated. Notice to proceed is anticipated in June 2021.
- This project will upgrade the process service water (PSW) pumps and electrical systems that deliver plant effluent for use as process and service water throughout the Advanced Wastewater Treatment Plant at Blue Plains.

Other ongoing Blue Plains construction projects

- Blue Plains Solar Project: Installation of ground mount, carport and roof array systems are nearing completion. Initial commercial operations is anticipated for March 2021.
- Fleet Facilities Building: Under construction – 19% complete
- Sewer Services Building: Under construction – 56% complete



Since the launch of the District-funded lead assistance programs in FY20, DC Water has provided 300 free/discounted lead replacements that has saved customers nearly \$1 million in combined costs.

The LFDC team is in the process of onboarding the consultant CubeRoot that will assist with developing permit DDOT permit applications on behalf of the small businesses/plumbers participating in the Lead Pipe Replacement Assistance Program (LPRAP). This initiative is part of the larger effort between DC Water, DDOT, and DOEE to streamline the permitting process to more efficiently replace lead pipes while protecting public safety.

Fiscal Year	LPRAP (Assistance Program)	Voluntary Full	CIP Full	CIP Partial	Emergency Full	Emergency Partial	Total LSRs	FY21 Goal	Partials	Partials %	Goal %
FY2021	53	161	13	7	34	1	269	500	8	3.0%	2.10%

Permit Operations

- Developer improvements to the Kenilworth Area established to relieve low hydrant pressure.
- Continued development of a Permits ERP with cost proposal from Oracle received.



Updates on Current Projects:

Northeast Boundary Tunnel

- Remains in construction.
- As of February 12, 2021, approximately 89% of the tunnel has been mined.
- The tunnel is planned to be placed in operation in 2023.

Sanitary Sewer Area Projects | 28 Projects remain underway. Critical updates include:

September 10, 2020 Flooding Response

- Reviewed nearly 400 applications for backwater valve rebates
- Processed and reimbursed over 70 rebate requests
- Nicholson St Sewer System Evaluation Survey is underway

Watts Branch Sewer Manhole Protection

- DC Water worked closely with DOEE and other permitting agencies to fast-track authorizations to commence work on compromised sanitary sewer infrastructure
- Starting work quickly was important to prevent a Sanitary Sewer Overflow in DC Parks (Watts Branch)



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	
1	2016	7/28/2016	Training, Licensing, and Certification	Identification and monitoring of training requirements by position <i>Status notes: Two of three training buckets (safety and compliance) have been configured in LMS. Coordination underway with HRBPs to complete final training bucket (technical training).</i>	9/30/2017	10/1/2021
2	2017	4/27/2017	Data Privacy Assessment	Finding Issued in Executive Session	5/1/2017	3/31/2021
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
4				Lack of Authority-wide policy and procedure management function <i>Status notes: EPMO is in the process of developing an Enterprise Risk Management (ERM) Policy to be institutionalized across the enterprise. EPMO is also developing a long-term enterprise-wide solution to address Authority-wide policy development, issuance, and maintenance.</i>	9/30/2018	2/28/2022
5	2017	10/26/2017	Materials Management Operations and Inventory	Inadequate documentation of variance review and root cause analysis for Lawson inventory data <i>Status notes: New field for variance review and root cause detail to be incorporated into new Oracle ERP Inventory module.</i>	1/17/2018	3/31/2021
6	2018	1/24/2019	Enterprise Work Order Management Assessment	DWO – Inadequate capture of labor and materials cost data in Maximo work orders <i>Status notes: Pilot for hydrant program is complete. Roll out of valve application is anticipated by the end of the fiscal year.</i>	9/30/2020	9/30/2021
7	2019	4/25/2019	Legal Operations Assessment	Lack of definition of Office of Legal Affairs' role in matters across the Authority <i>Status notes: Not started.</i>	9/30/2020	9/30/2021

Open High Risk Prior Audit Findings

Audit FY	Issue Date	Audit Report	High Risk Open Finding	Original Target Date	New Target Date	
8	2019	4/25/2019	Occupational Safety and Health Internal Audit	Outdated comprehensive safety plan for the Authority	3/1/2020	Past Due
9				Inadequate review and enforcement of required safety training program by role <i>Status notes: Safety policies have been presented to the 5 Union Presidents & a meeting was held on 1/24 answering any questions. Updates in progress. Training profiles have been created, and a communication strategy for the Safety training curriculum roll out is being developed.</i>	2/1/2020	2/17/2021
10	2019	7/25/2019	Purchasing Card Internal Audit	Non-compliance with documented PCard and TCard policies <i>Status notes: PCard policy has been updated and updated training conducted for all cardholders. TCard policy updates are on-hold given other COVID-19 response priorities and limited TCard usage.</i>	5/25/2020	On hold
11	2019	1/23/2020	Asset Management Assessment	Inaccurate data captured in GIS map and data table <i>Status notes: GIS team has made progress identifying required fields and missing data. PowerBI dashboard created to monitor linear asset attributes. Delays caused by competing priorities for COVID-19 response and Engineering organization review.</i>	7/31/2020	7/31/2021
12	2020	4/15/2020	Work Order Planning Assessment	Inconsistent and poorly defined roles and responsibilities for the planning function	12/1/2020	3/31/21
13				Missing and inconsistent job planning for equipment maintenance <i>Status notes: Management requested extension due to COVID-19 response needs.</i>	12/1/2020	3/31/21

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 (Jan 2021)

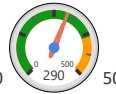
Financial Highlights

Net Operating Cash (\$tho)		Operating Revenue (\$m)		Operating Expenses (\$m)		Capital Disbursement (\$m)		Operating Cash Bal (\$m)	
Actual	55,152.00	Actual	234.40	Actual	181.50	Actual	112.90	Actual	221.60
Target	38,349.00	Target	250.40	Target	200.90	Target	176.60	Target	180.00

Core Invest Yield (%)		Short Term Invest Yield (%)		Delinquent Acct Receivables (%)		On-time Vendor Payments (%)	
Actual	1.15	Actual	0.12	Actual	4.13	Actual	93.00
Target	0.13	Target	0.06	Target	3.00	Target	97.00

Operations and Engineering Highlights


Lead Concentration (ppb) 	Total Coliform Rule (%) 	Biosolids Production (wet tons) Actual 381	Total Nitrogen (lbs/yr mil) 
---------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	----------------------------------------------------	--------------------------------------------------------------------------------------------------------------------

Plant Effluent Flow (gal mil) 	Excess Flow (gal mil) 0	Water Main Leaks 80	Water Valve Leaks 3
--------------------------------------------------------------------------------------------------------------------	----------------------------	------------------------	------------------------

Fire Hydrants Insps. And Maint. 983	Fire Hydrants out of Service 48	Fire Hydrants Replaced (YTD) 5
----------------------------------------	------------------------------------	-----------------------------------

Sewer Main Backups 6	Sewer Lateral Backups 102	Dry Weather CSO 0	Permits Processed within SLA (%) 85	Electricity Usage (Kwh) 22711
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Customer Experience Highlights

Call Center Performance Actual 83%  Target 85%	Command Center Performance Actual 78%  Target 85%	Emergency Response Time Actual 100%  Target 90% (% of calls Received)
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Low Income Assistance Program Highlights

SPLASH Contributions (\$tho) Actual 24.69 Target 26.67	Customer Assist. Program (\$tho) Current 148.34 Previous 83.93
------------------------------------------------------------------------	--------------------------------------------------------------------------------

People and Talents Highlights

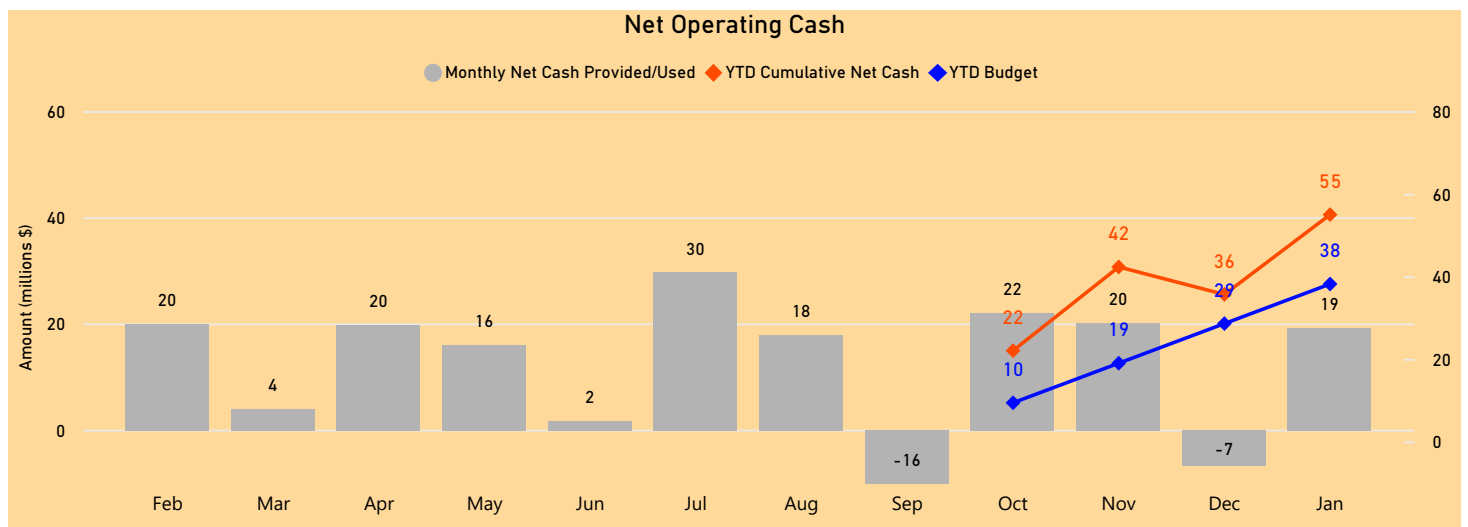
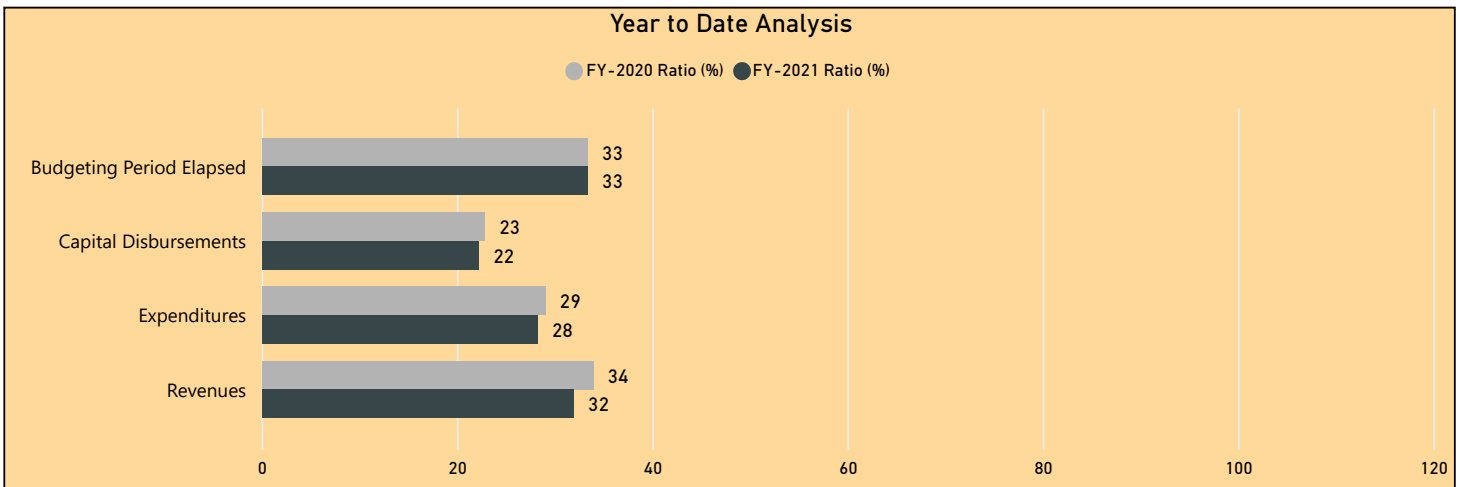
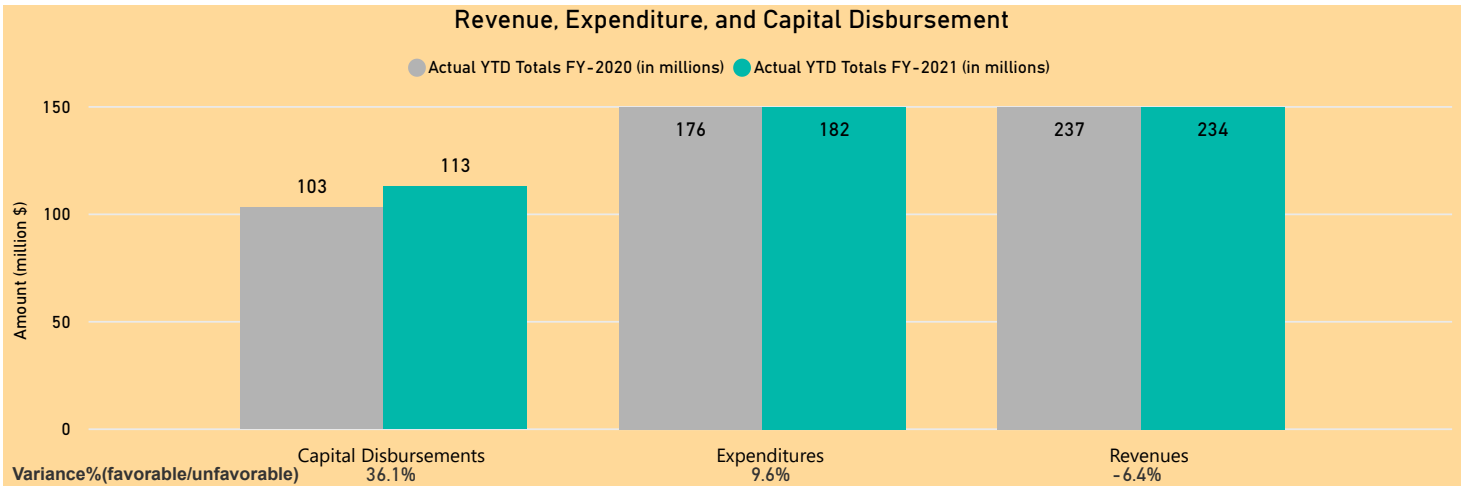
Recruitment Activity	
Filled	4
Open	40

Administration Highlights

Employee Lost Time Incidence Rate	
2.70%	

FINANCIAL HIGHLIGHTS

Financial Performance Summary

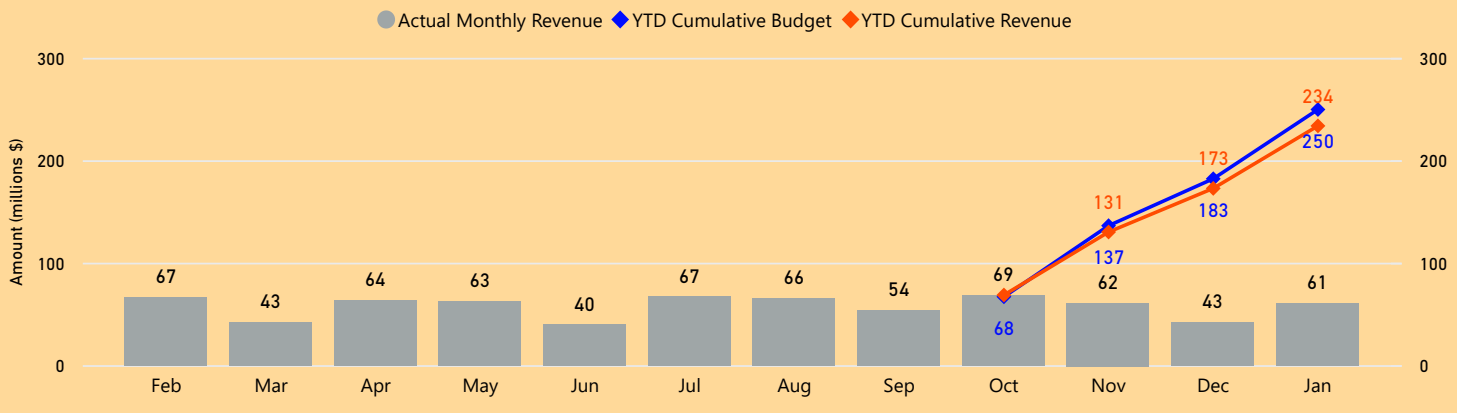


Net cash to date for January was above budget by \$16.8 Million

FINANCIAL HIGHLIGHTS

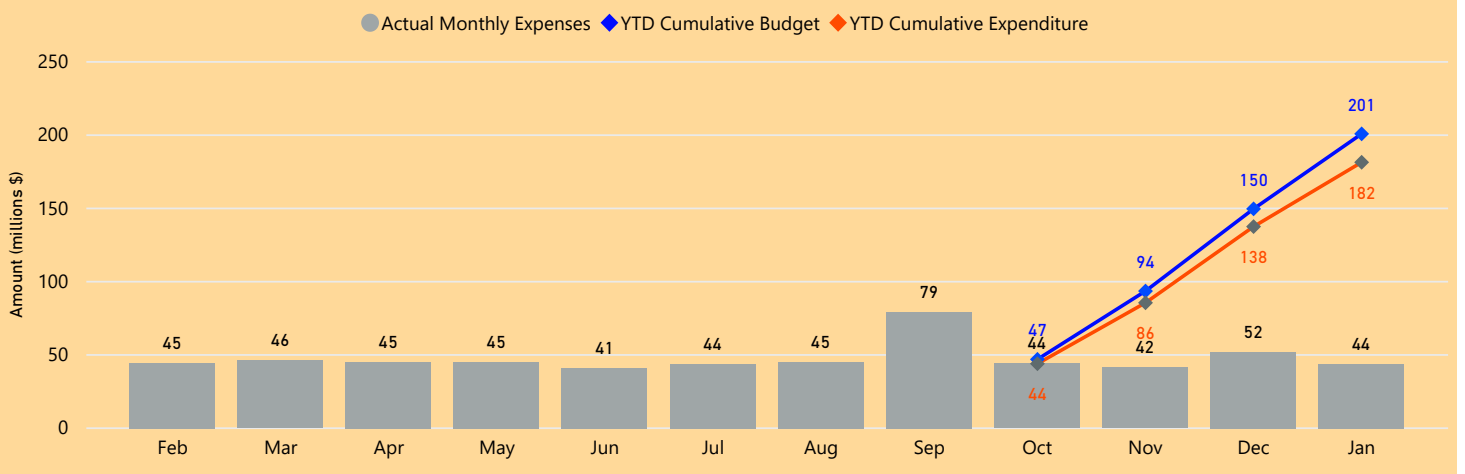
Revenues & Operating Expenses

Operating Revenues



Revenue to date for January was below budget by \$16.0 Million

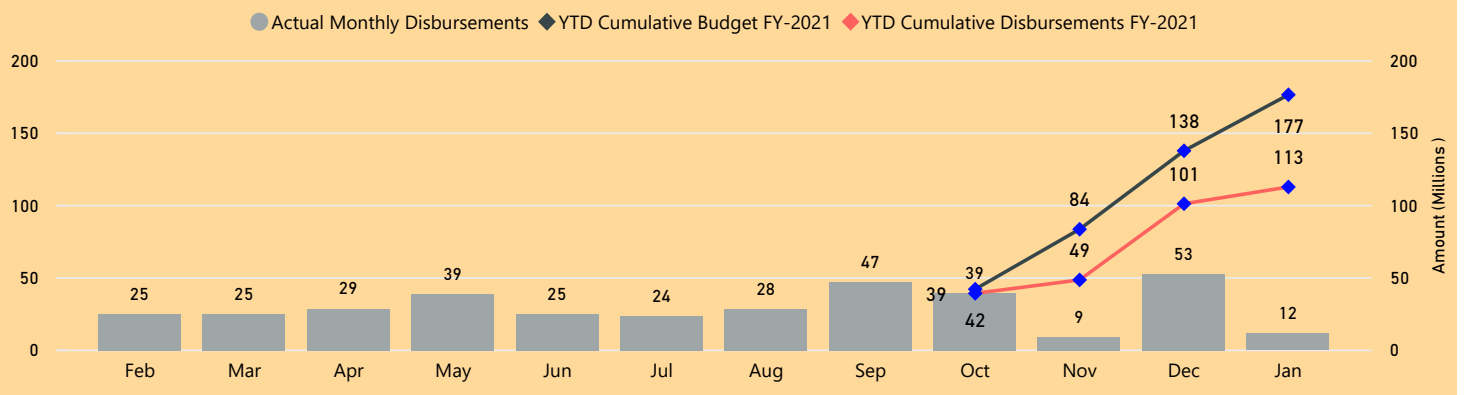
Operating Expenses



Expenditure to date for January was below budget by \$19.4 Million

Capital Spending

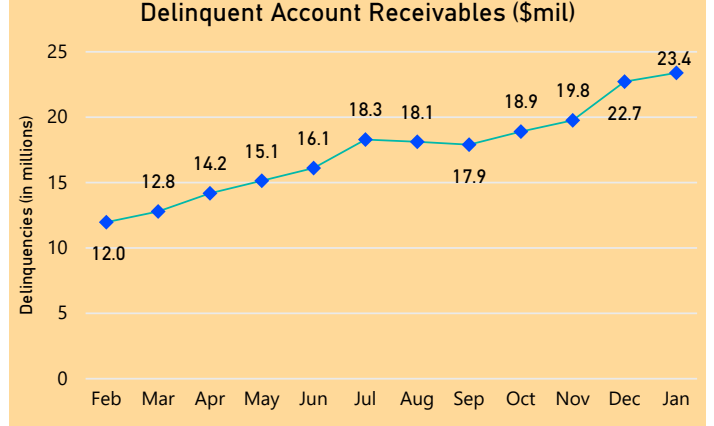
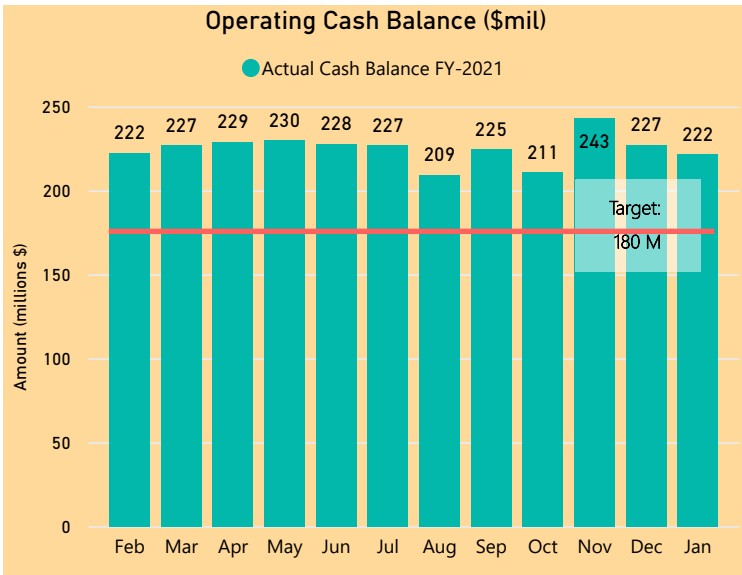
Capital Disbursement



Disbursements to date for January was below budget by \$63.7 Million. YTD spending reflects comparison to the revised budget.

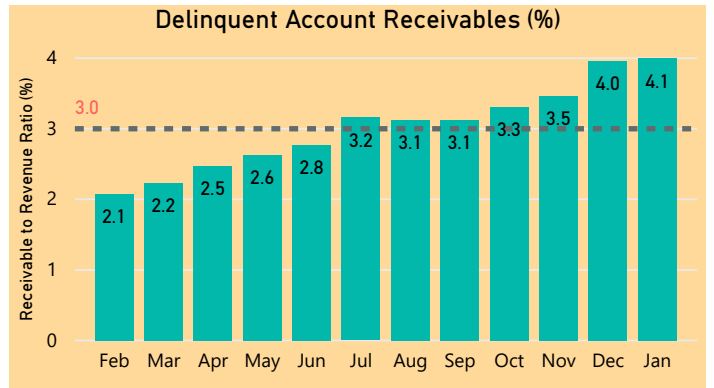
FINANCIAL HIGHLIGHTS

Operating Cash & Receivables



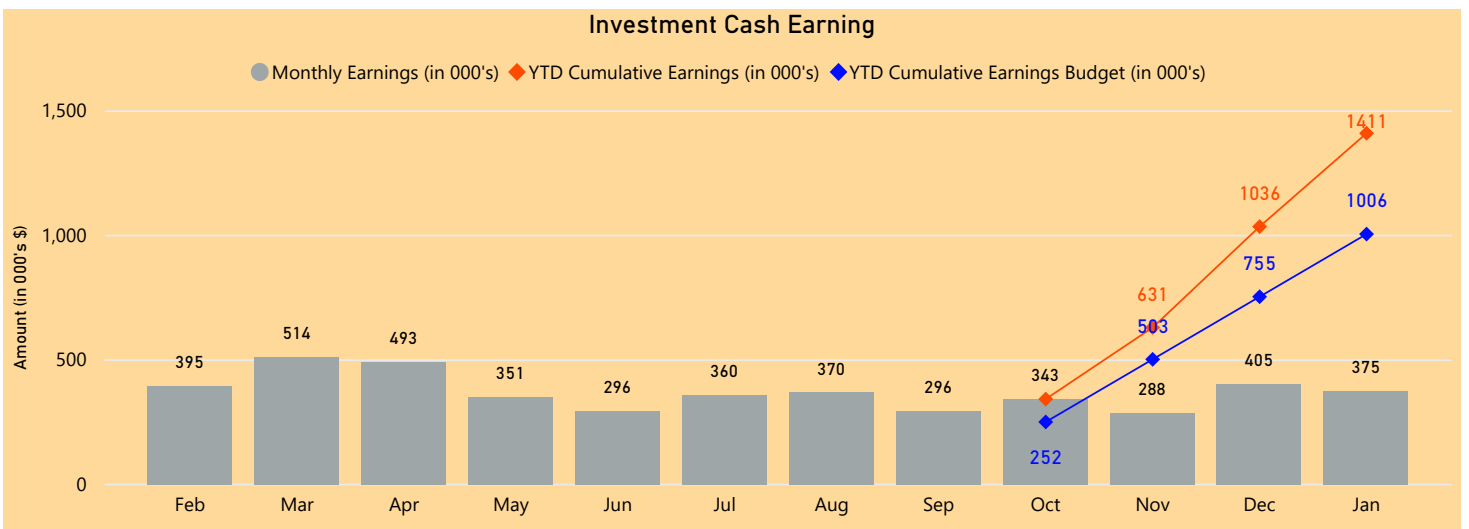
Starting March, the increase is primarily due to increased delinquencies and deferred payments resulting from the COVID-19 pandemic

Cash Balance for January was above target by \$41.64 million



January Receivables to Revenue Ratio is 4.13, Delinquency is \$23.39 million.

Investment Earnings

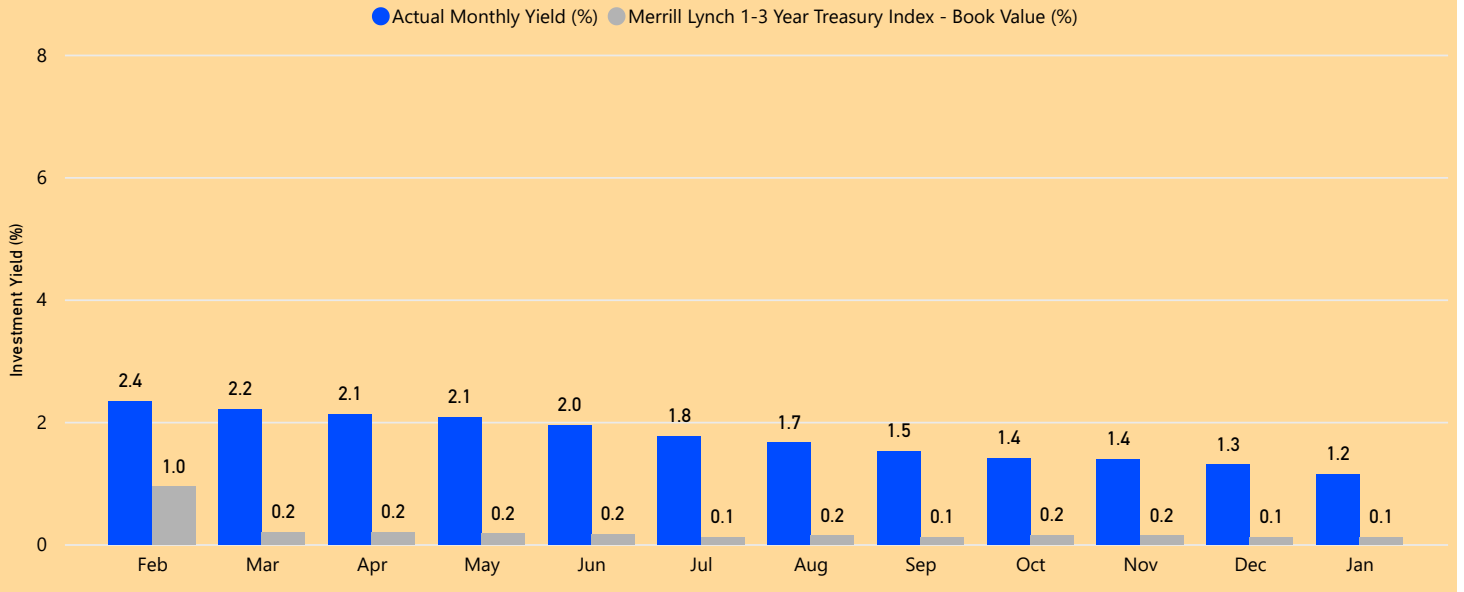


Earnings to date for January were above Projected Budget by \$405,044.

FINANCIAL HIGHLIGHTS

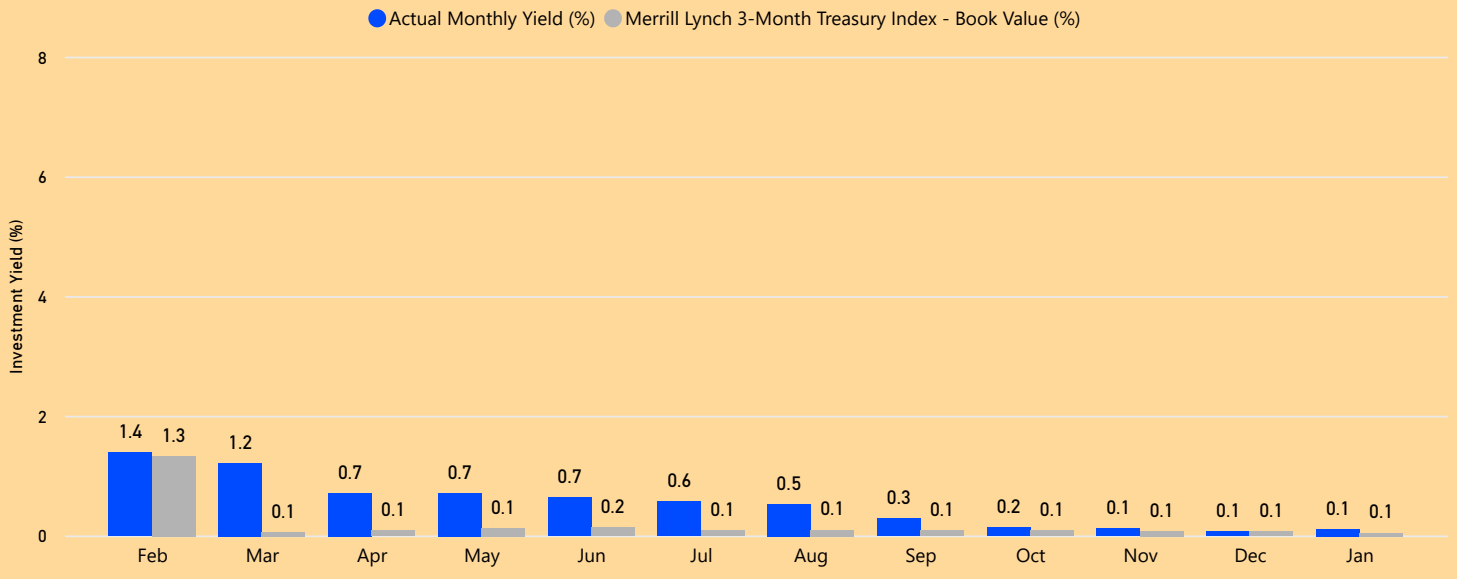
Investment Yields

Core Investment Yield



Yield for January was more than the treasury index by 1.02%

Short Term Investment Yield

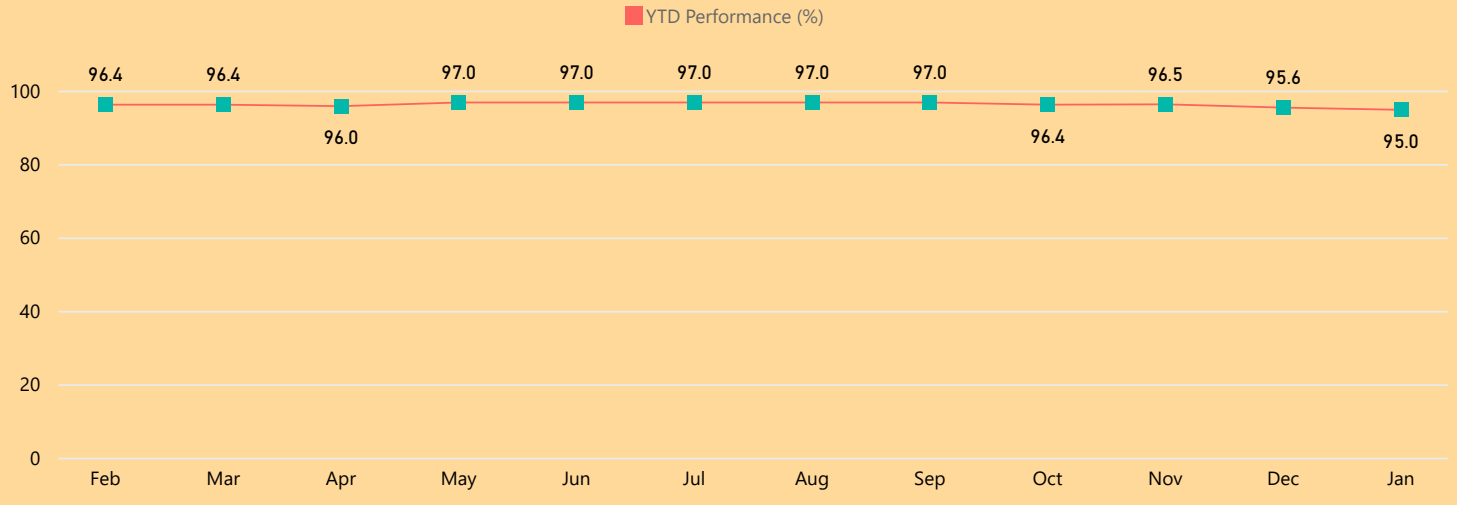


Short Term Yield for December was more than the Merrill Lynch yield by 0.06%

FINANCIAL HIGHLIGHTS

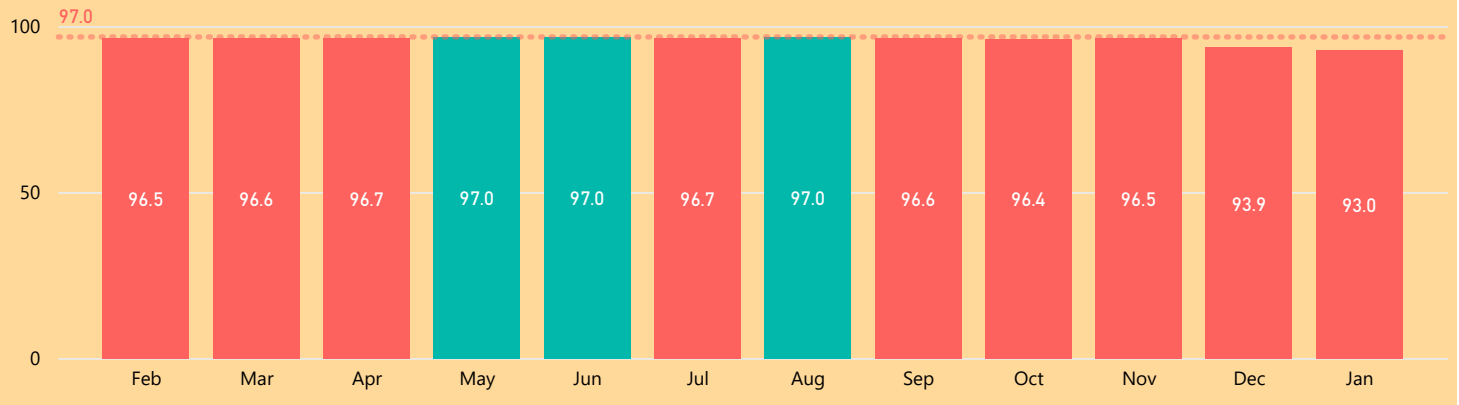
Vendor Payments

YTD Performance



Monthly Performance (%)

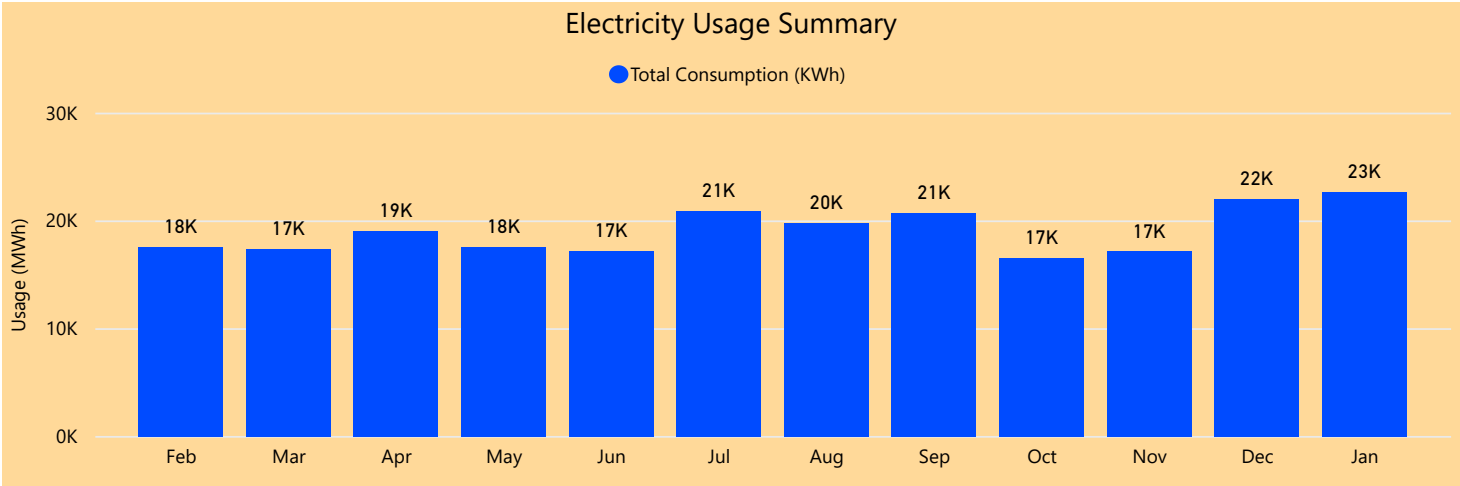
Target: 97%



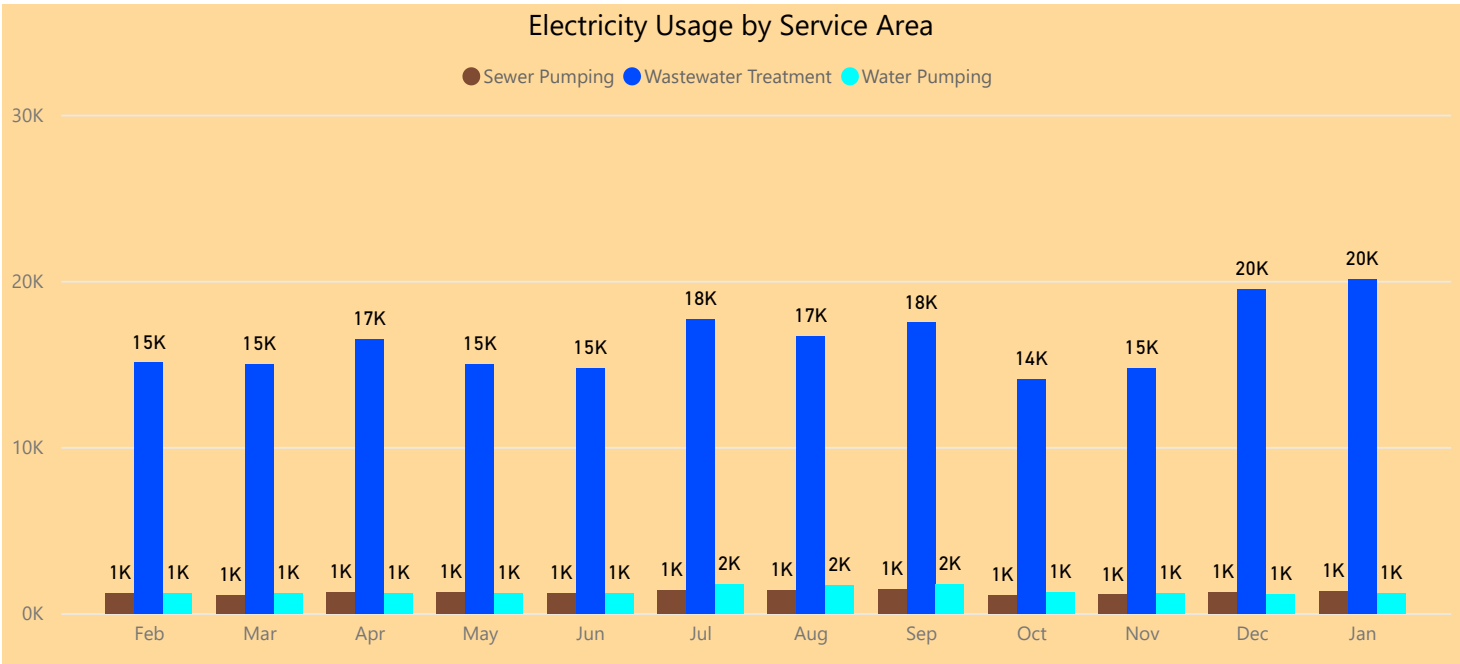
Performance for January was 4.0% below the monthly target of 97.0%

OPERATIONS AND ENGINEERING

Energy Consumption



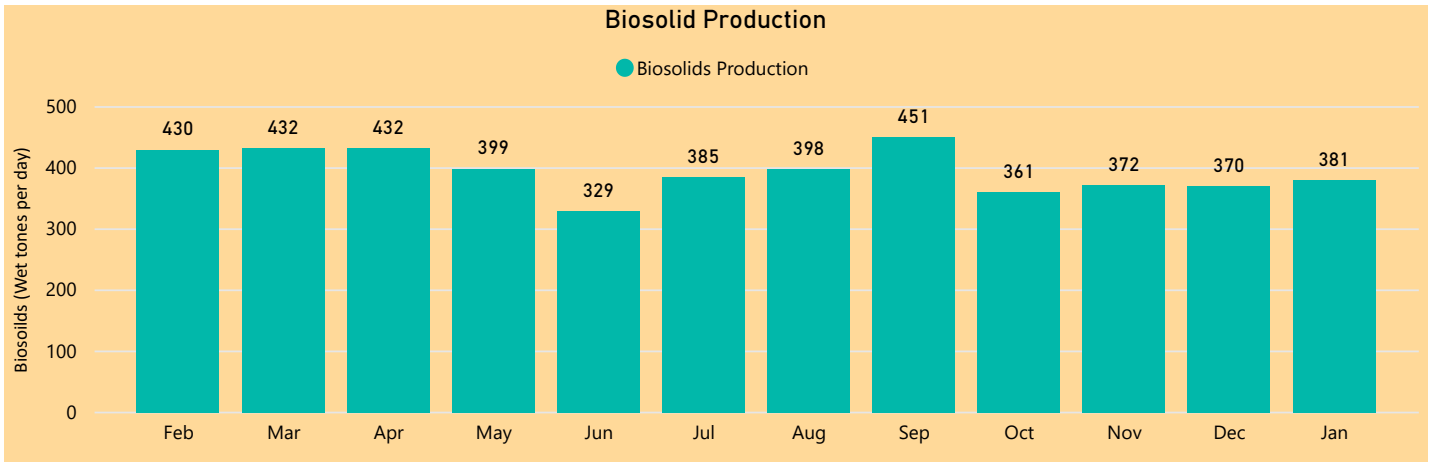
Electricity consumption in Jan 2021 was 22711 KWh.



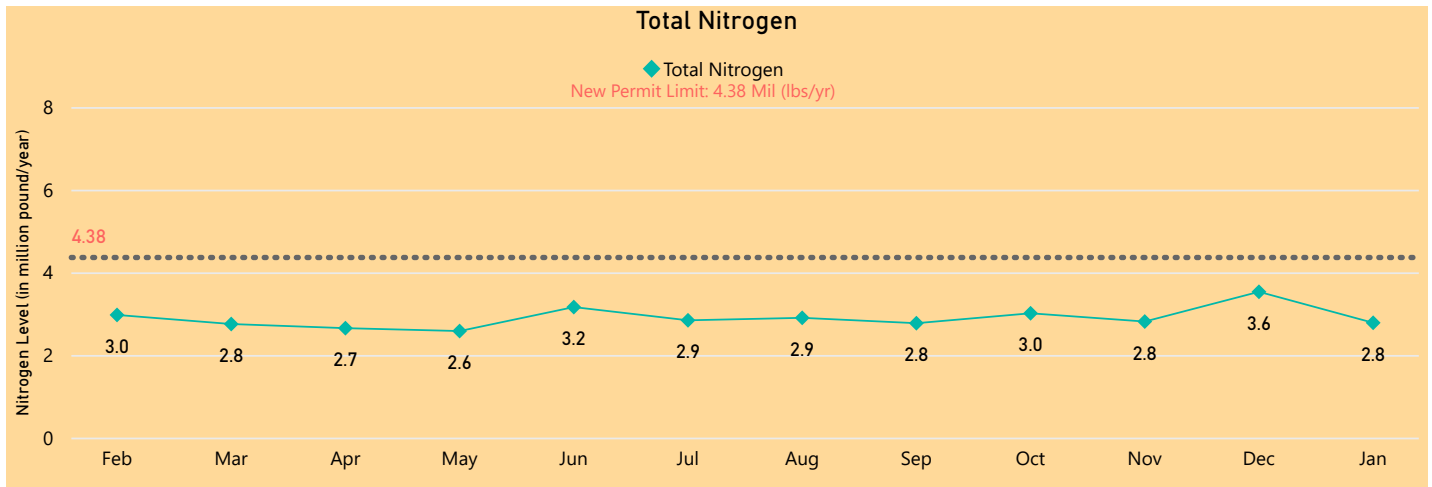
Wastewater treatment has the highest electricity consumption in Jan 2021 at 10137 KWh.

OPERATIONS AND ENGINEERING

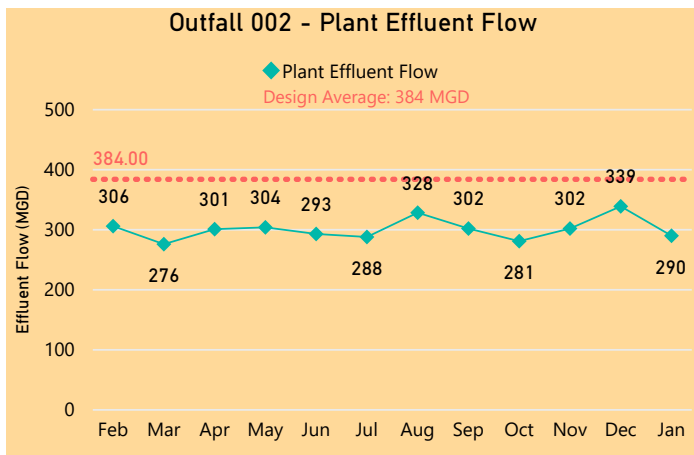
Wastewater Treatment



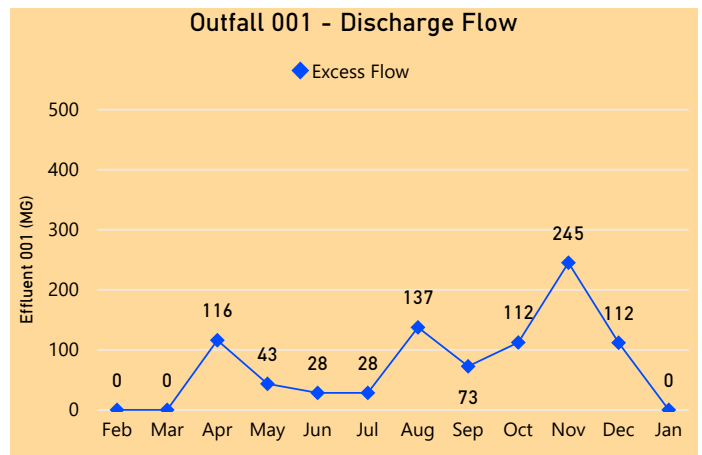
Biosolids daily production for Jan 2021 was 380.84 wet ton per day.



Nitrogen level for Jan 2021 was below permit by 1.58 million lbs/yr.



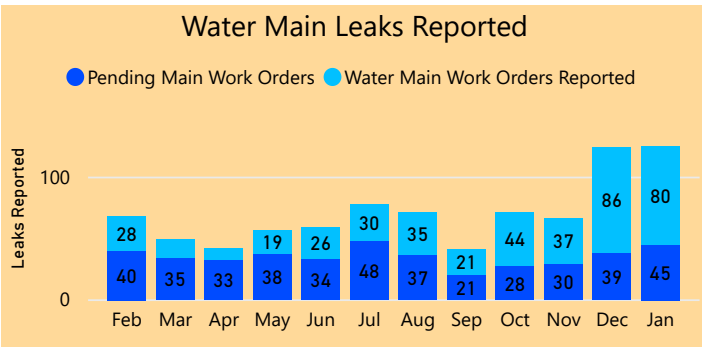
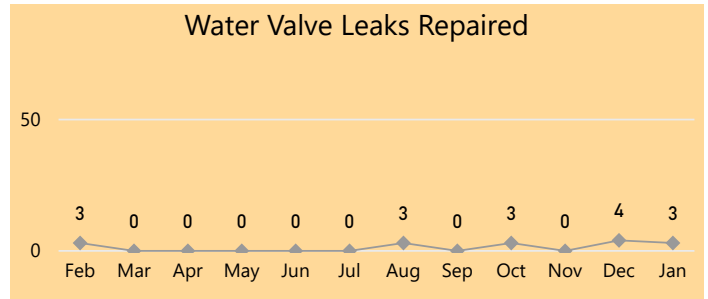
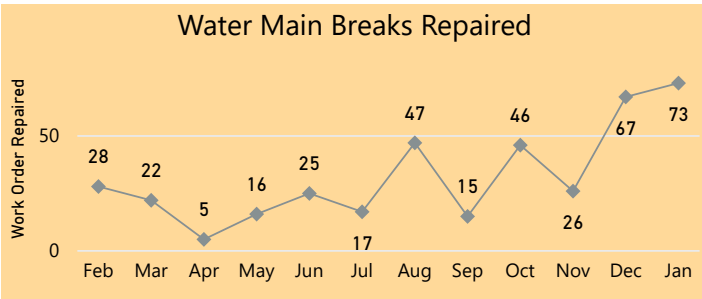
In Jan 2021 effluent flow was below permit by 94 MGD.



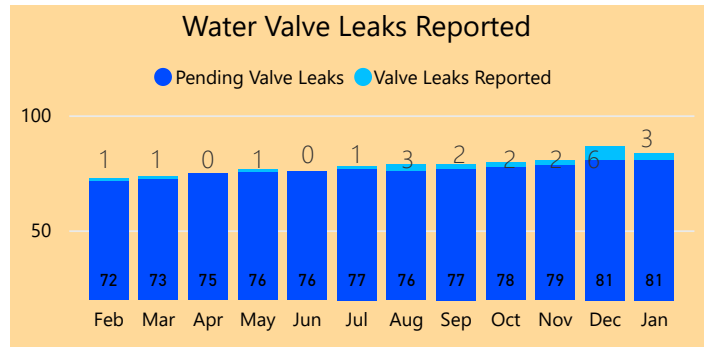
Excess flow events were recorded at 0 MG in Jan 2021.

OPERATIONS AND ENGINEERING

Water Distribution Operations



There were 80 Water Main Work Orders reported in January.

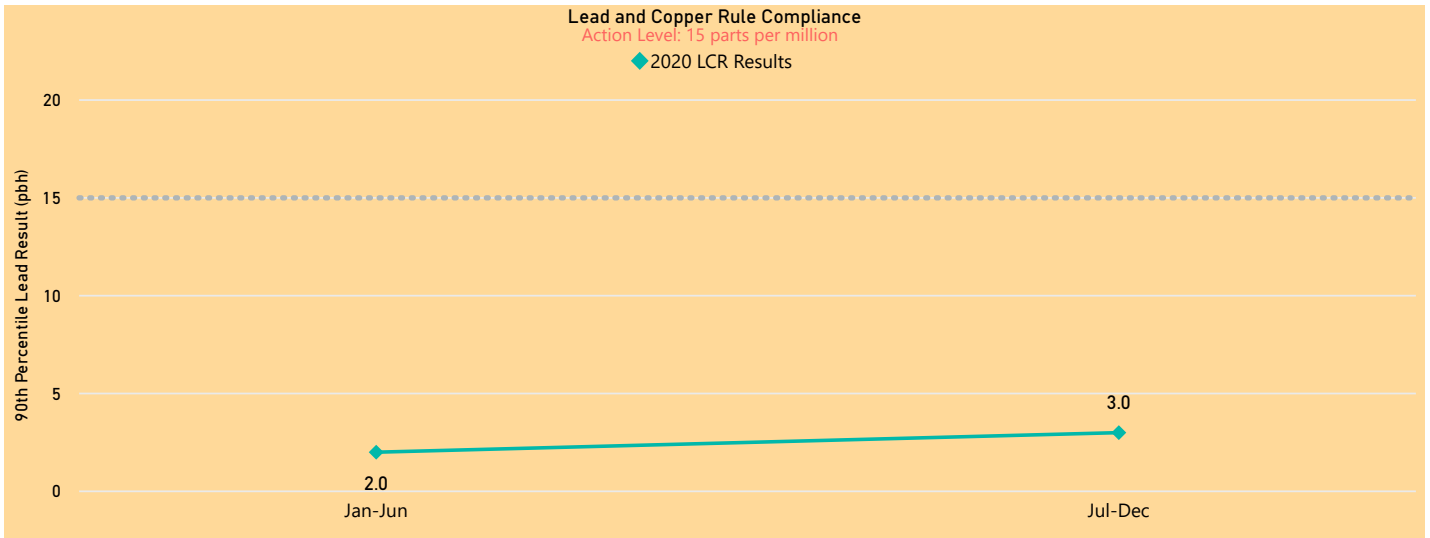


3 leaks were reported in January.

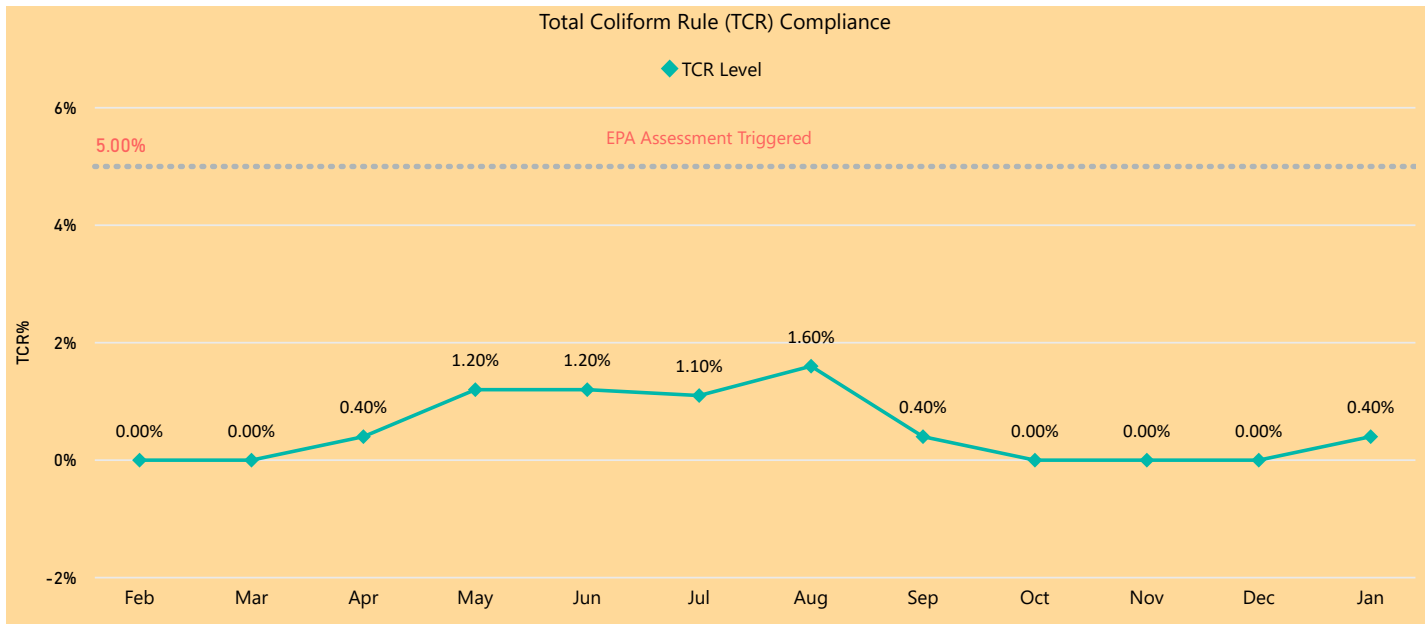
Water Balance

OPERATIONS AND ENGINEERING

Drinking Water Quality



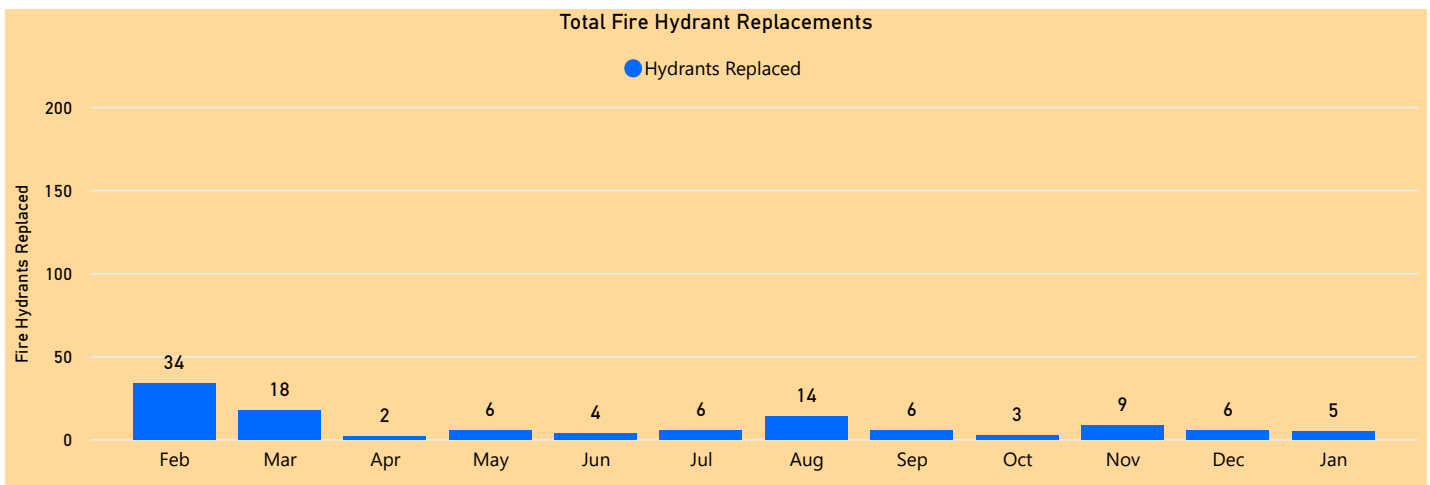
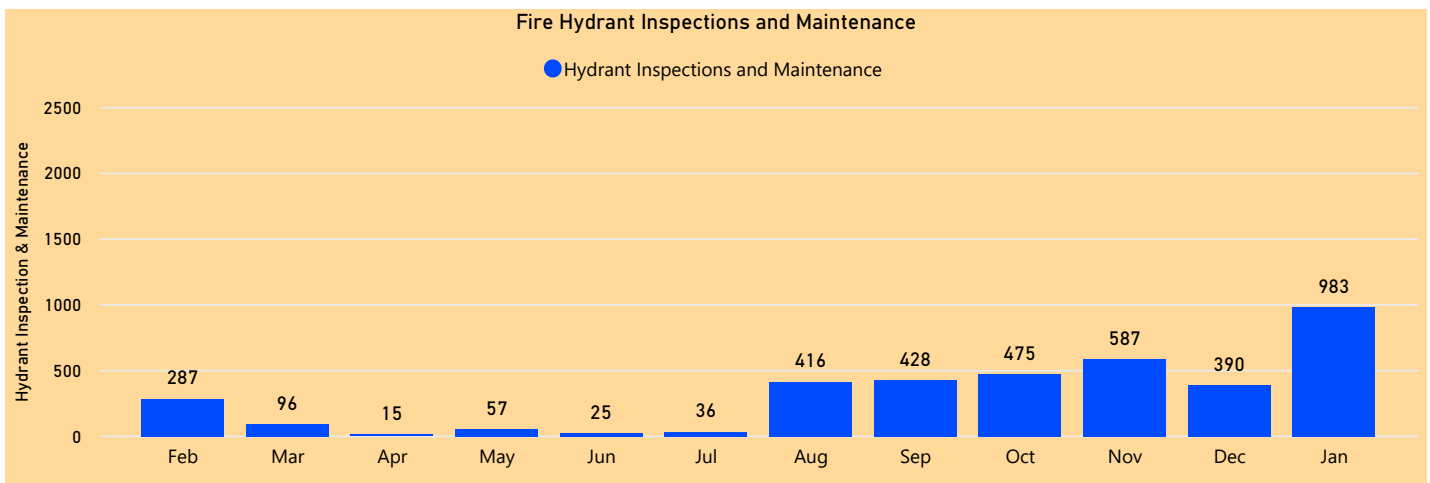
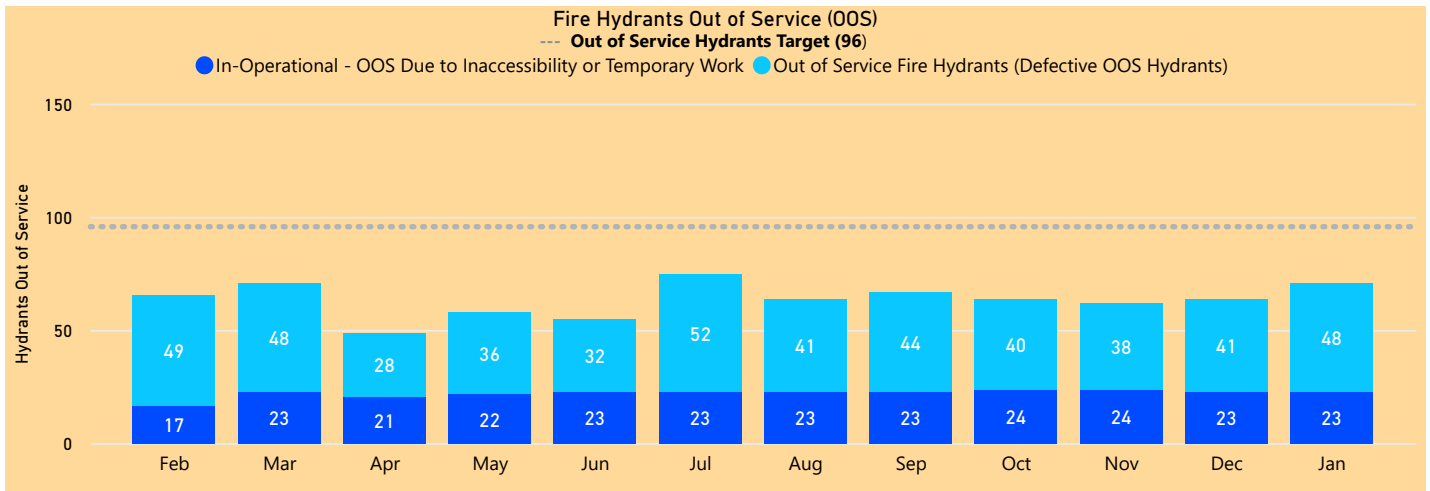
90th percentile of lead results for 1st semester 2021 is pending



Coliform Positive was recorded at 0.004% for Jan 2021

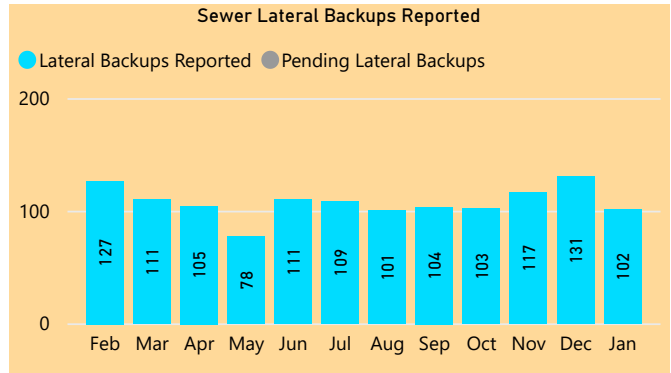
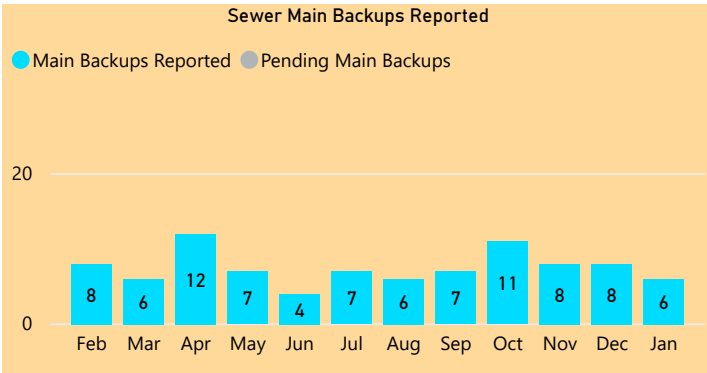
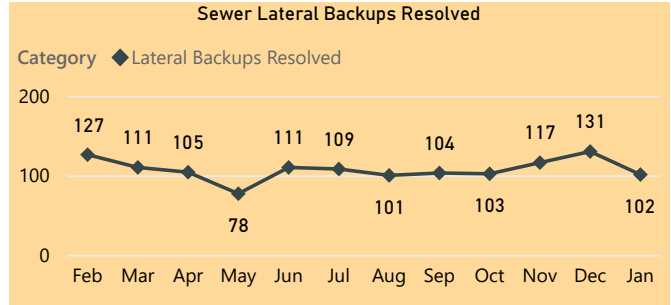
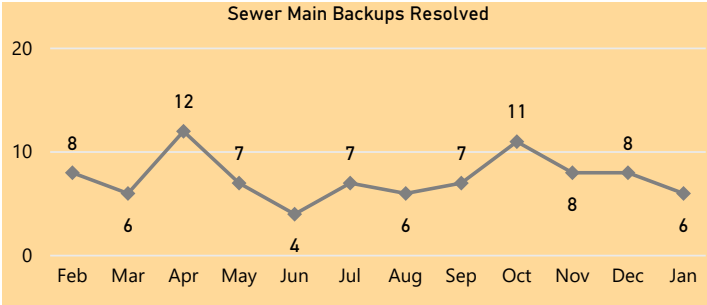
OPERATIONS AND ENGINEERING

Fire Hydrants



OPERATIONS AND ENGINEERING

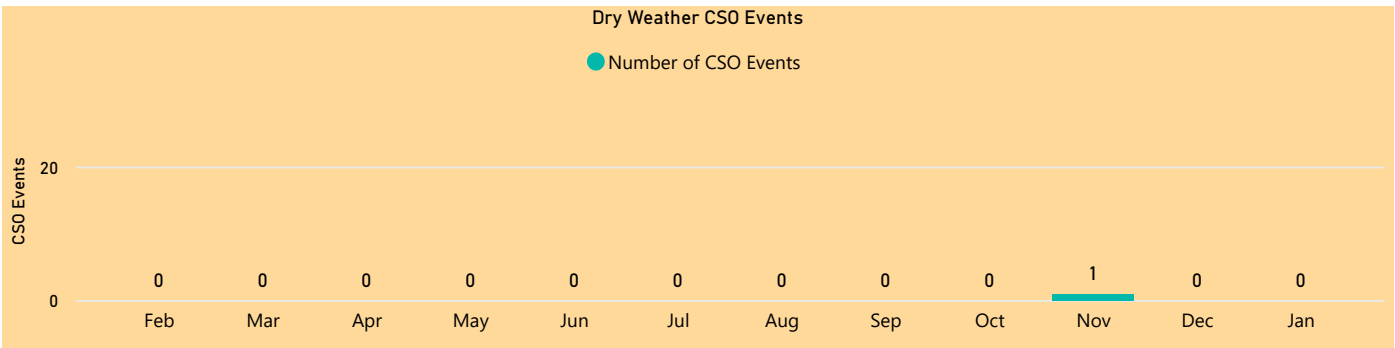
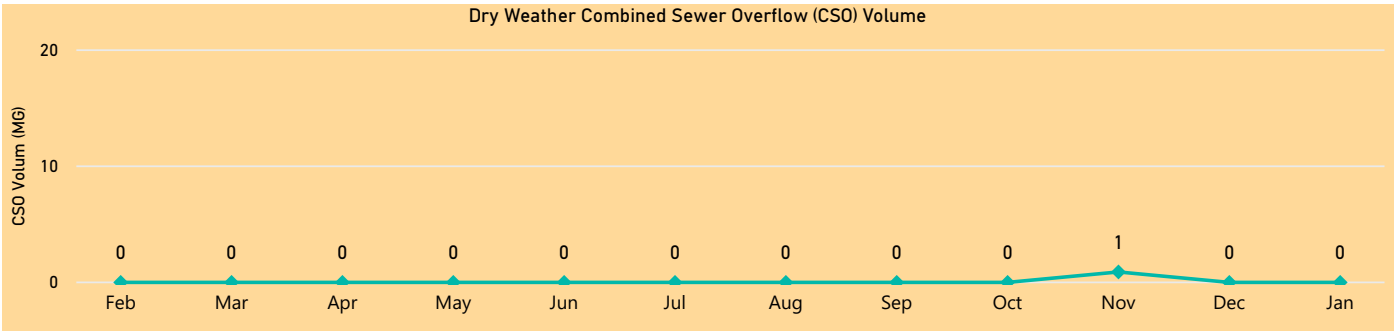
Sewer System Operations



0 pending main backup(s) reported

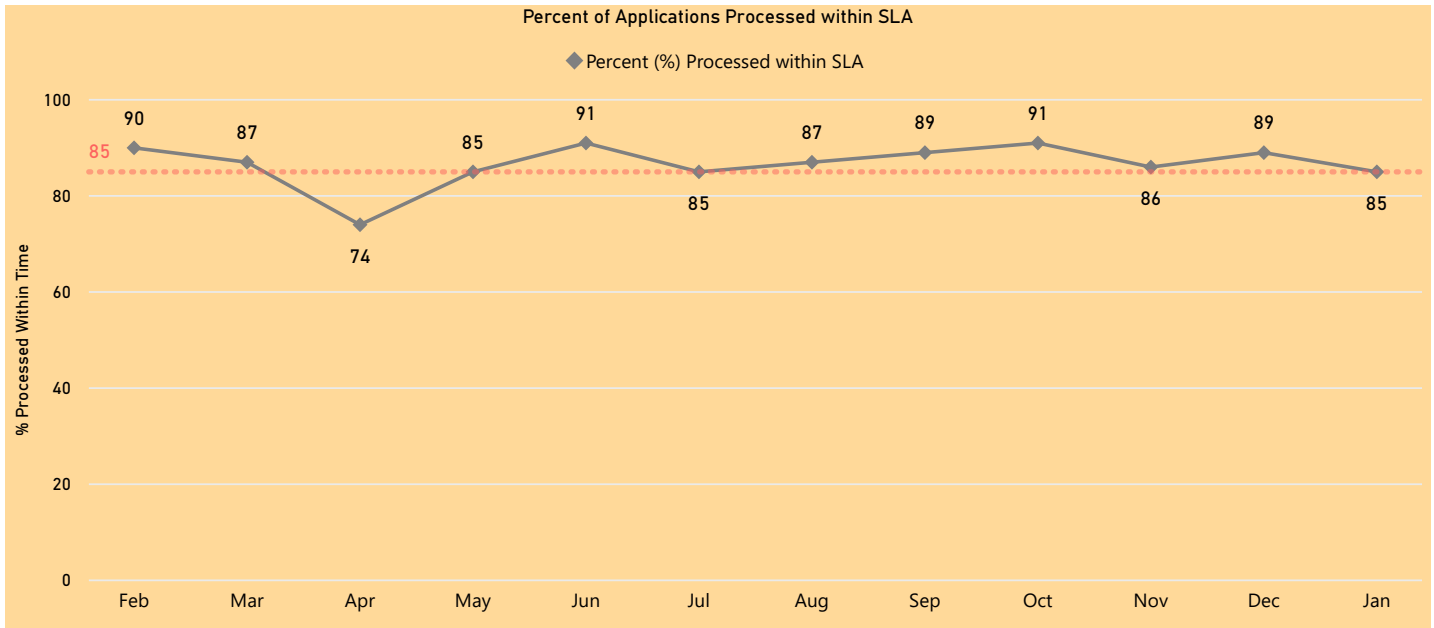
0 pending lateral backup(s) reported

Combined Sewer System

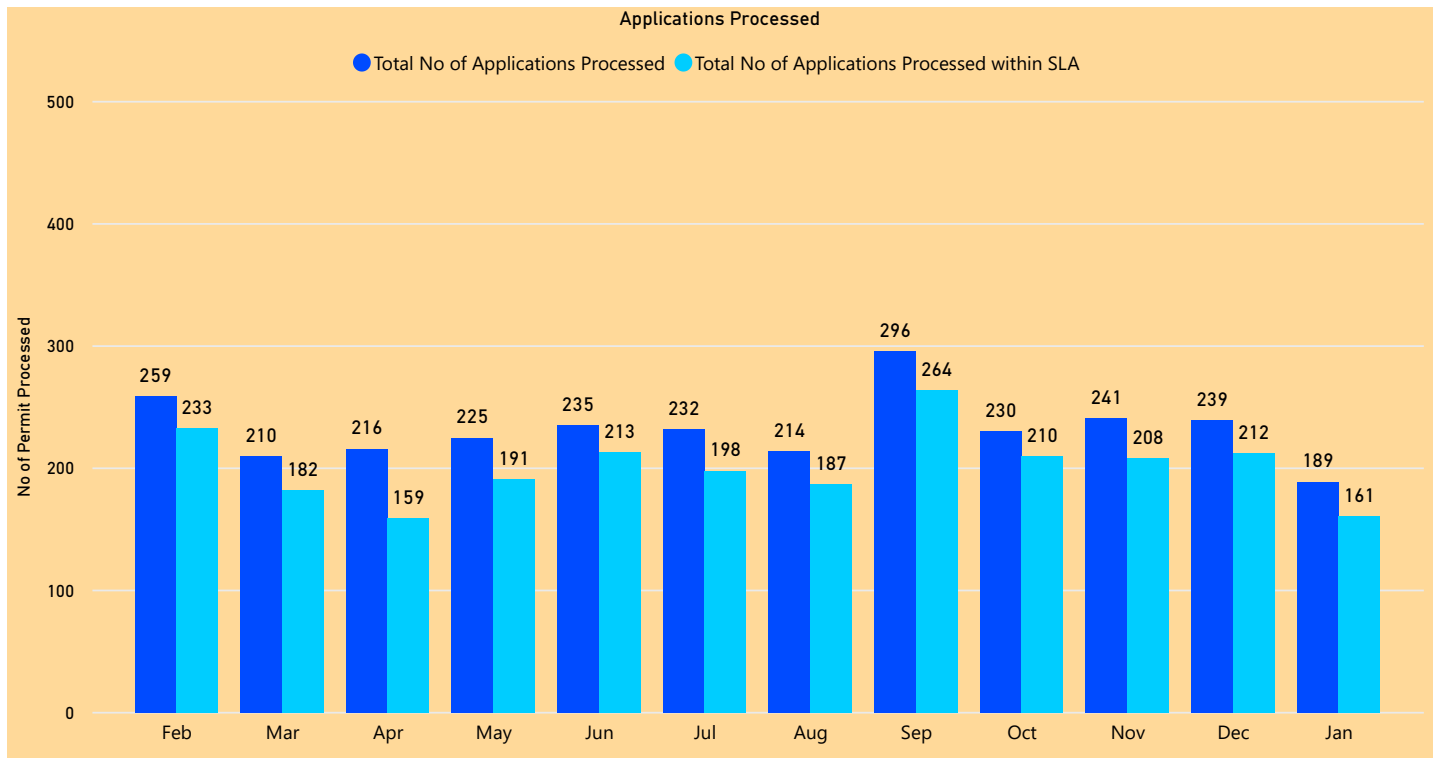


OPERATIONS AND ENGINEERING

Permit Processing

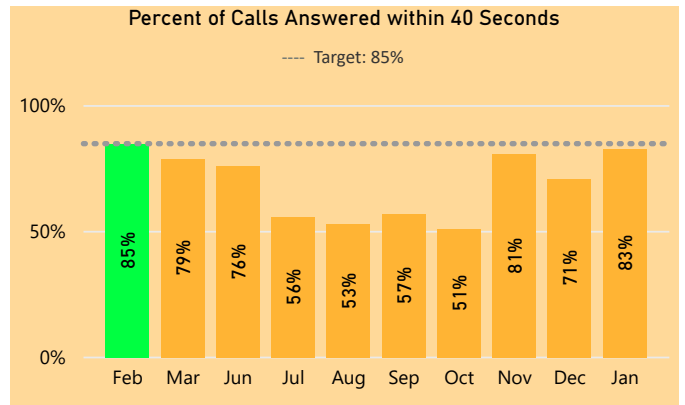
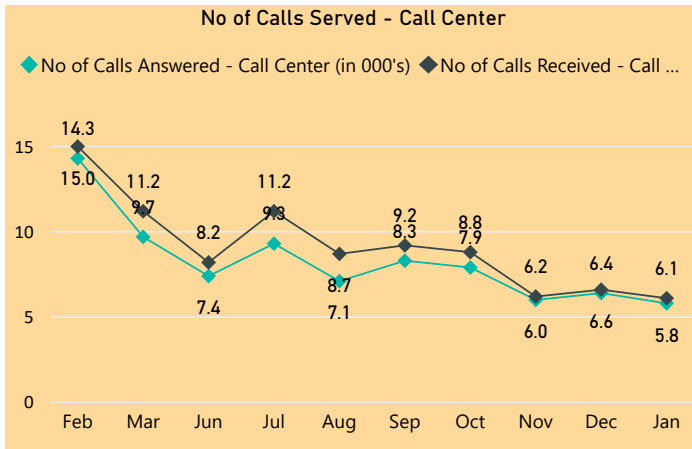


Permits processed in Jan 2021 were 0% below the SLA target 85%



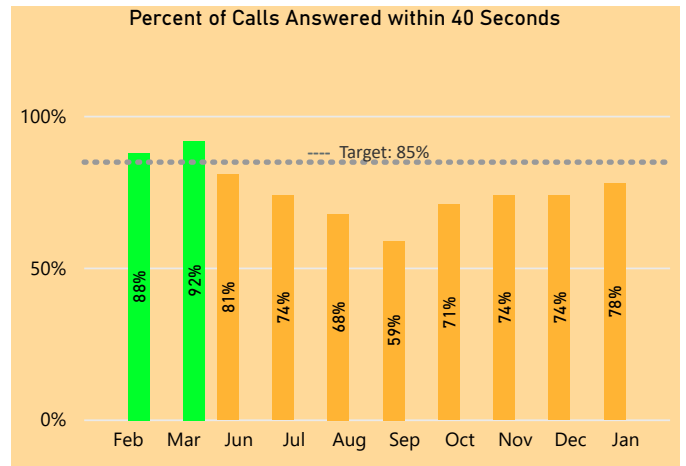
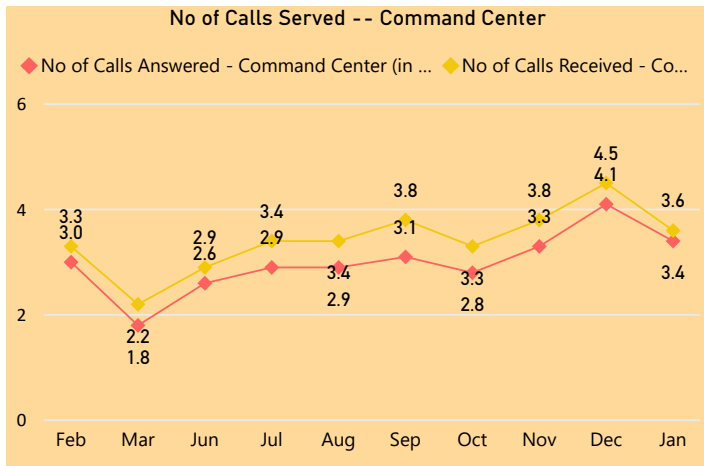
CUSTOMER EXPERIENCE

Customer Care - Call Center Performance



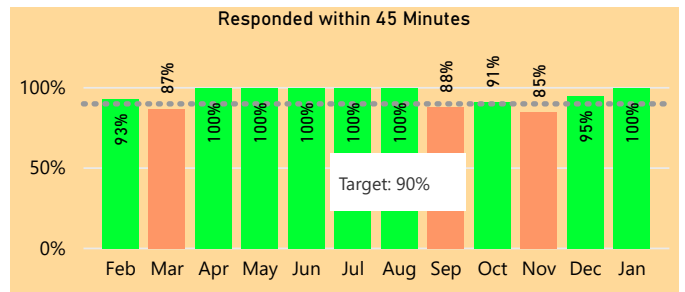
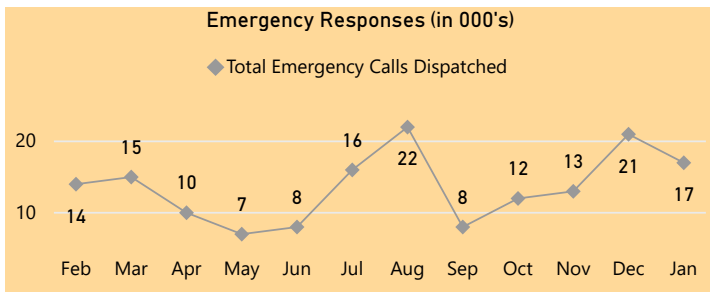
Call Center was below target by 2%. Service level missed due to IT issue ...

Customer Care - Command Center Performance



Command Center was below target by 7% due to COVID absences and w..

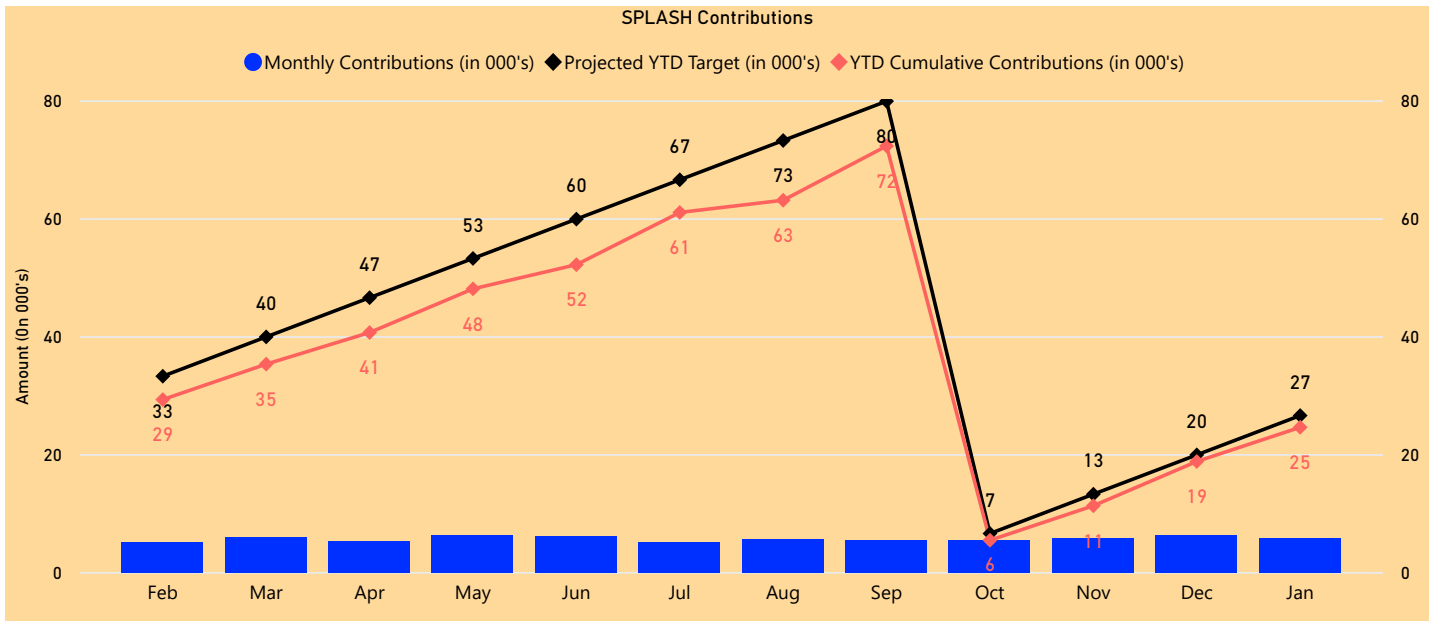
Customer Care - Emergency Response Time



Performance for Jan 2021 was above target by 10%.

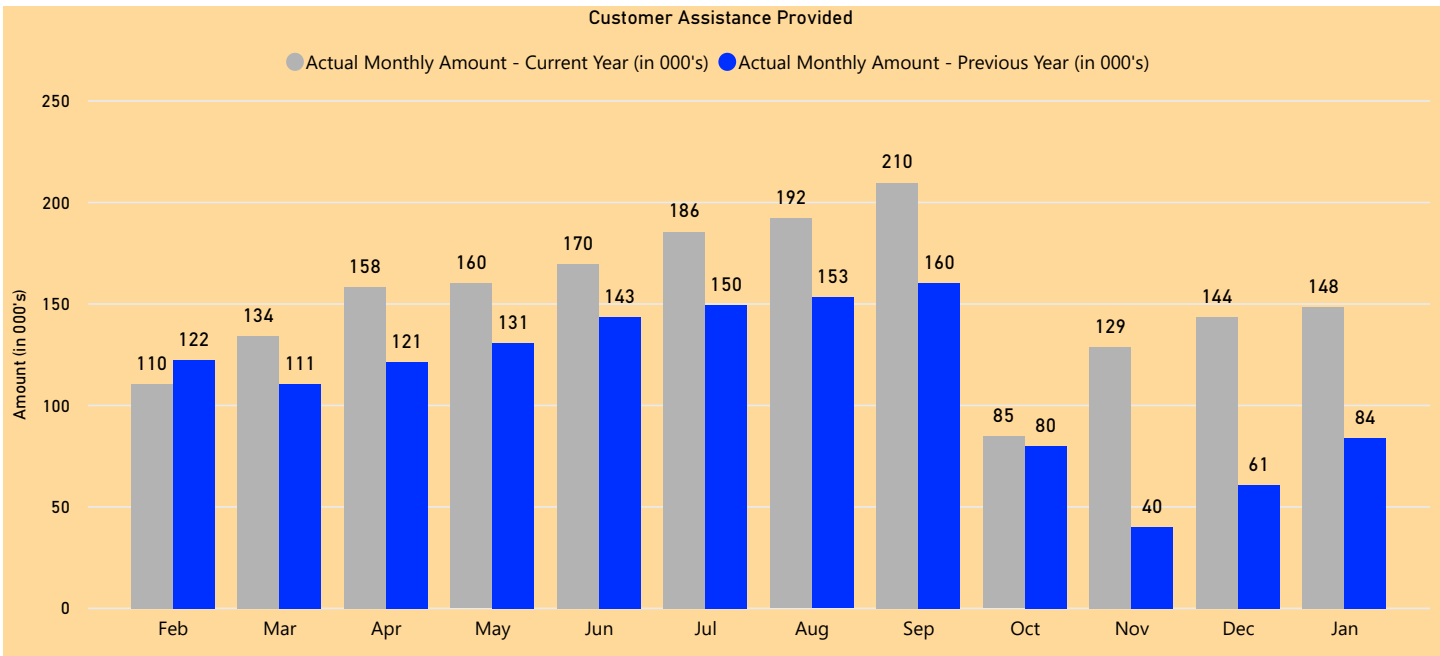
LOW INCOME ASSISTANCE PROGRAM

SPLASH Program



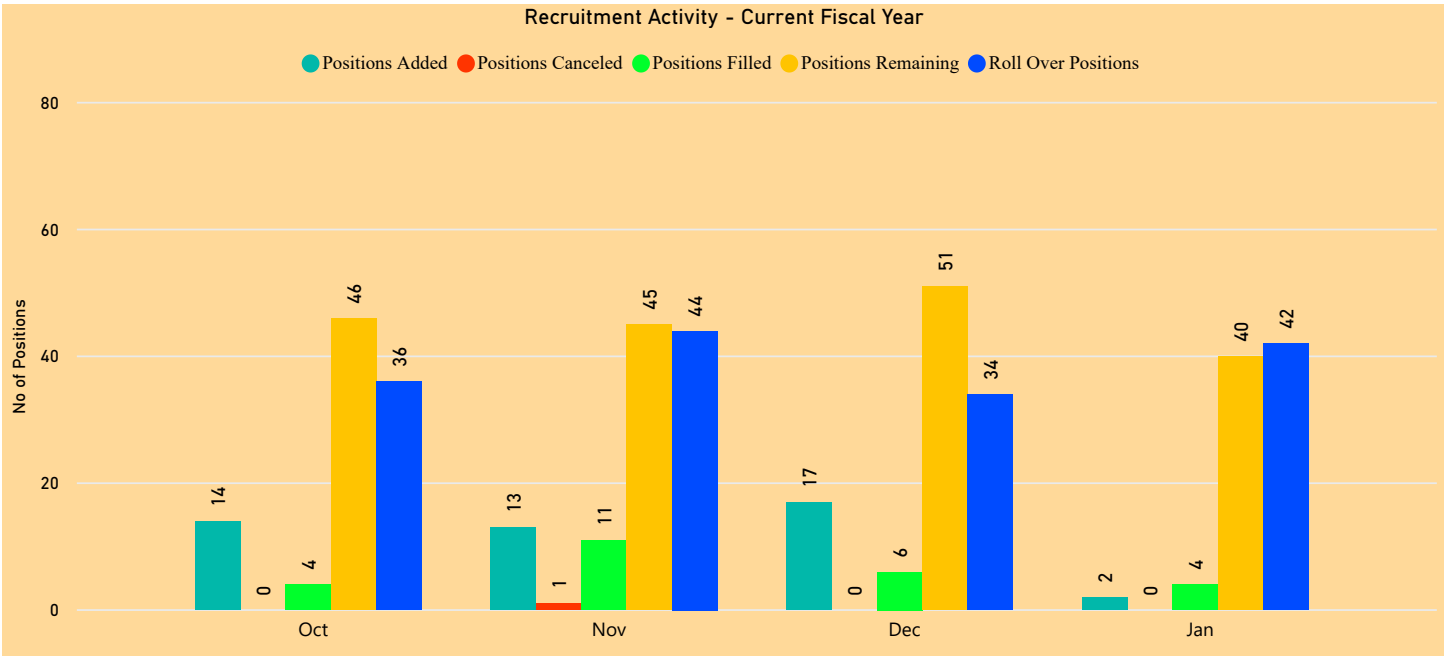
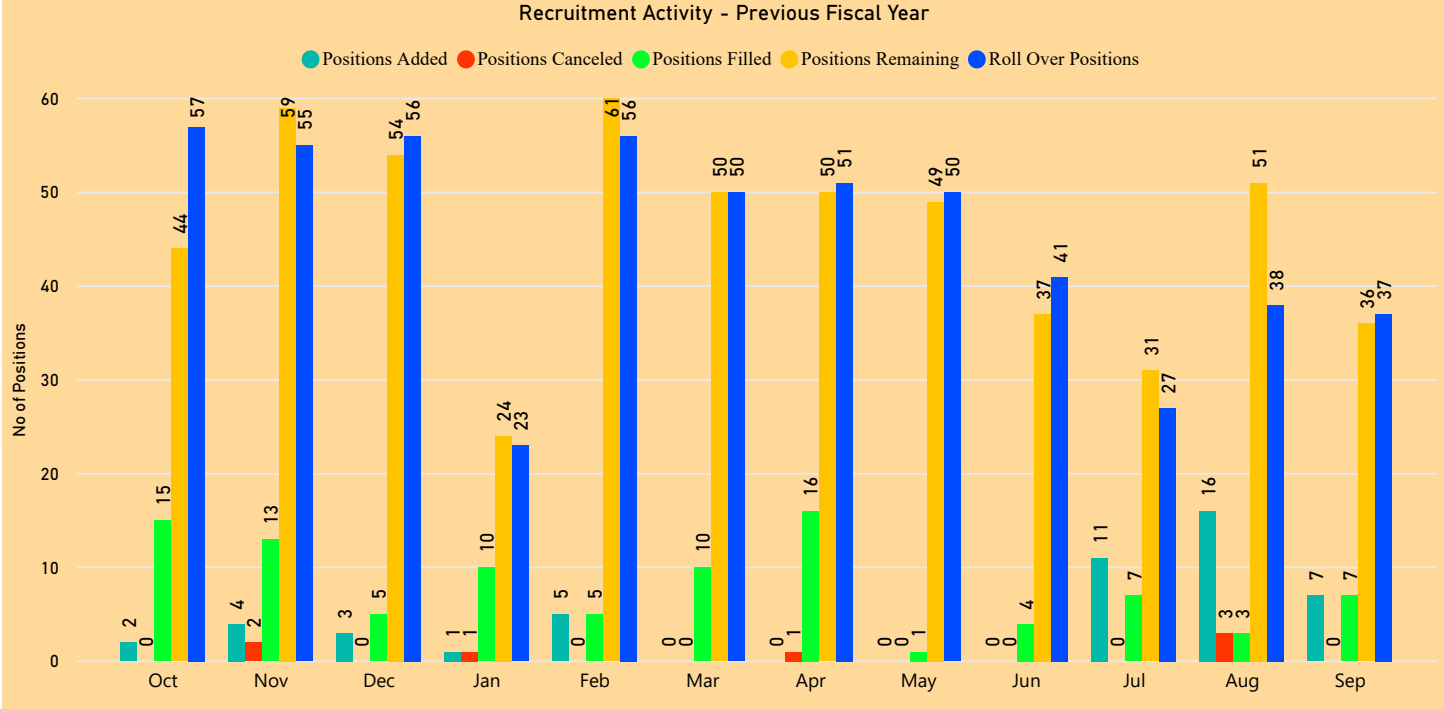
Total SPASH contribution to date for Jan 2021 was under target by \$1995.

Customer Assistance Program (CAP)



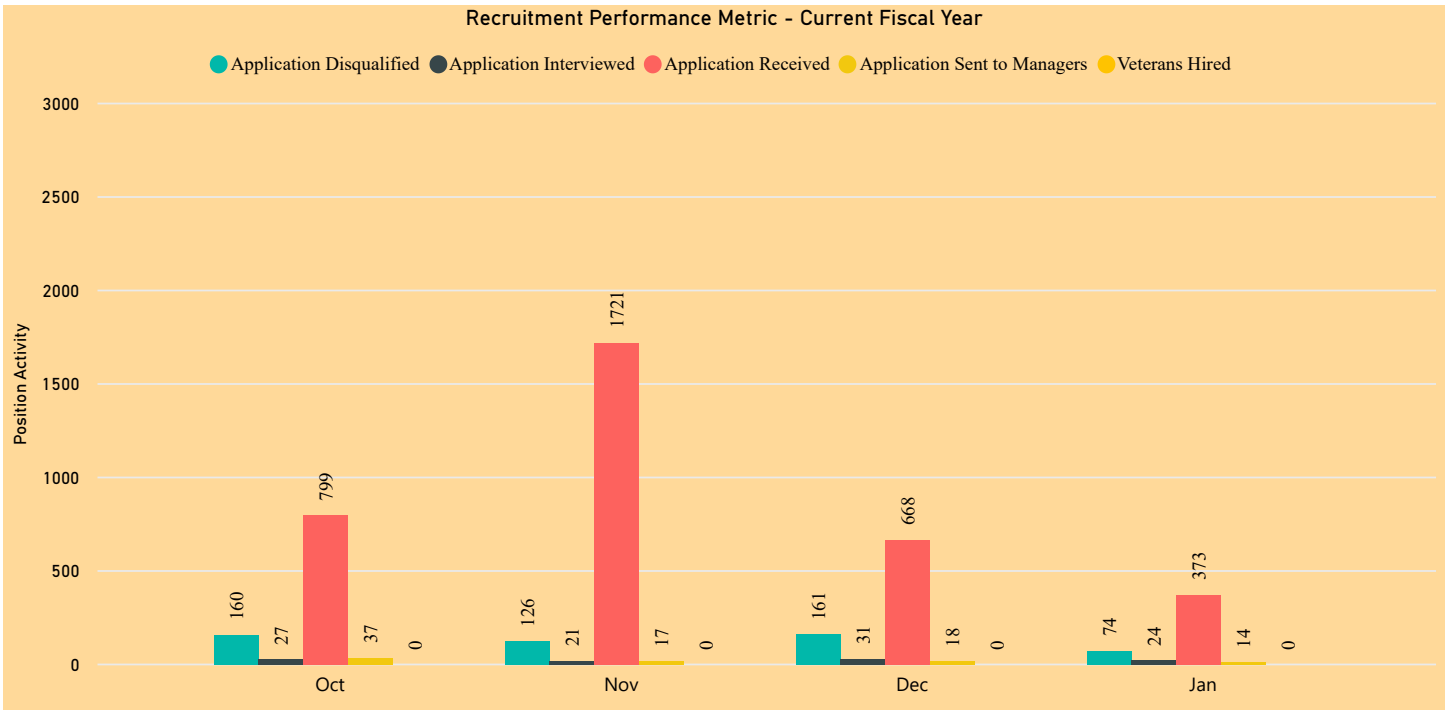
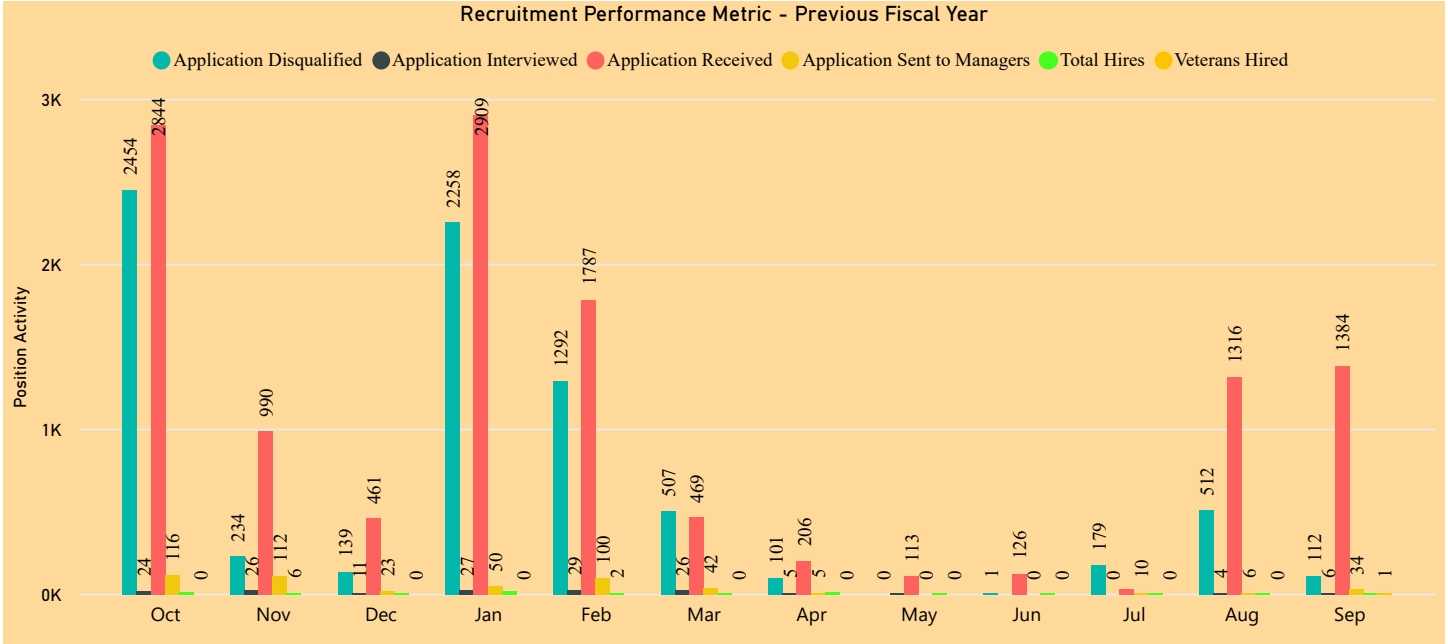
PEOPLE AND TALENT

Human Resources



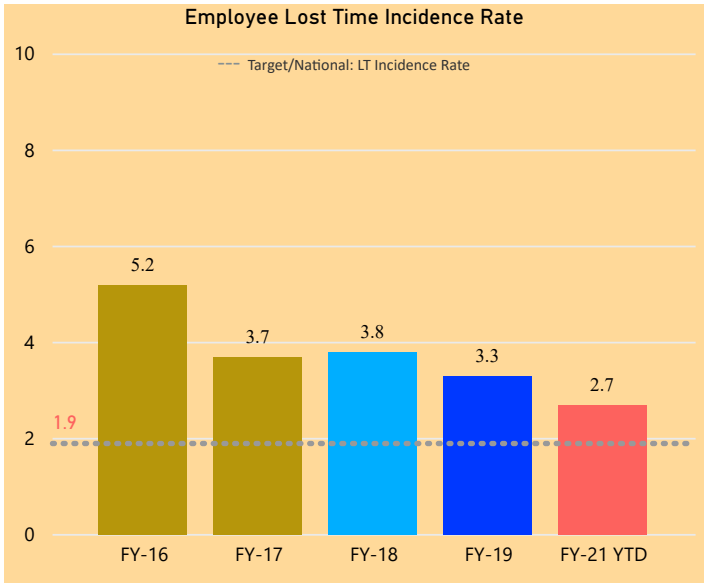
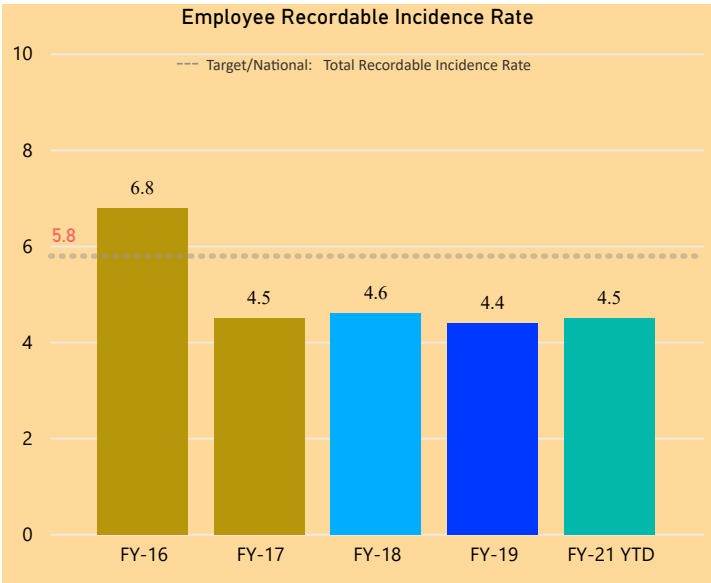
PEOPLE AND TALENT

Human Resources



ADMINISTRATION

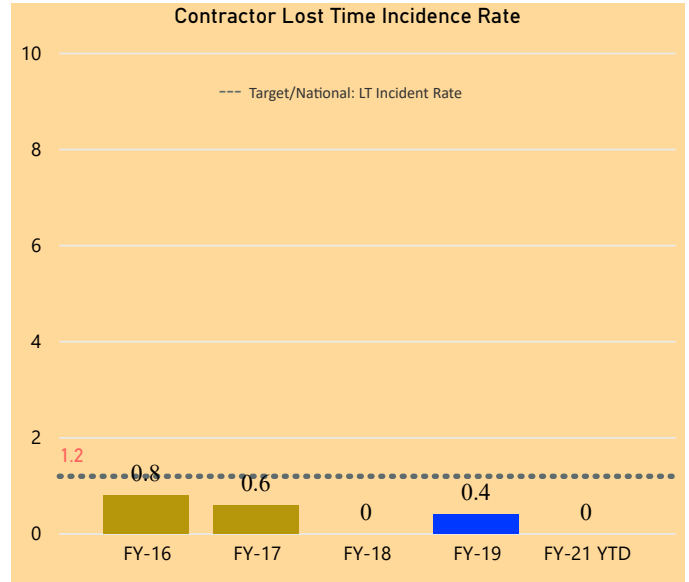
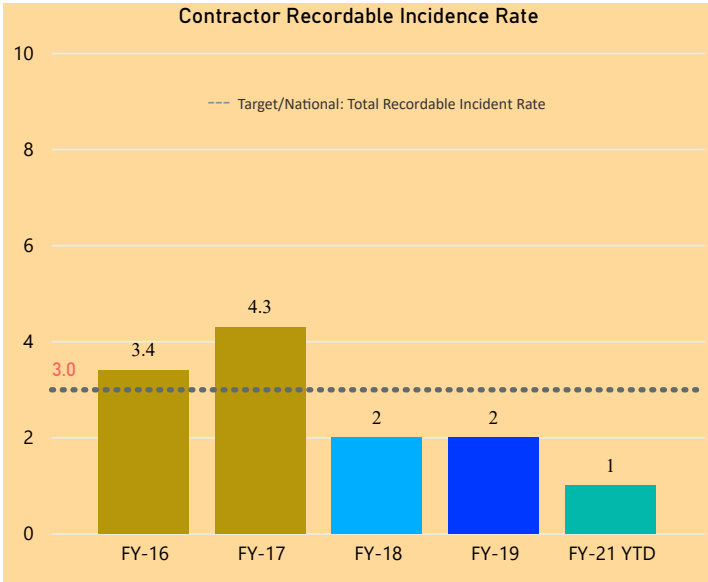
Safety



There have been 11 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	Red - when the actual is higher than 3% of budget or target
Yellow - when the actual is within 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	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, □)

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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 (Jan 2021)


Financial Highlights

Net Operating Cash (\$tho)		Operating Revenue (\$m)		Operating Expenses (\$m)		Capital Disbursement (\$m)		Operating Cash Bal (\$m)	
Actual	55,152.00	Actual	234.40	Actual	181.50	Actual	112.90	Actual	221.60
Target	38,349.00	Target	250.40	Target	200.90	Target	176.60	Target	180.00

Core Invest Yield (%)		Short Term Invest Yield (%)		Delinquent Acct Receivables (%)		On-time Vendor Payments (%)	
Actual	1.15	Actual	0.12	Actual	4.13	Actual	93.00
Target	0.13	Target	0.06	Target	3.00	Target	97.00

Operations and Engineering Highlights

Lead Concentration (ppb) 	Total Coliform Rule (%) 	Biosolids Production (wet tons) Actual 381	Total Nitrogen (lbs/yr mil) 
----------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------

Plant Effluent Flow (gal mil) 	Excess Flow (gal mil) 0	Water Main Leaks 80	Water Valve Leaks 3
---------------------------------------------------------------------------------------------------------------------------	-----------------------------------	-------------------------------	-------------------------------

Fire Hydrants Insps. And Maint. 983	Fire Hydrants out of Service 48	Fire Hydrants Replaced (YTD) 5	
-----------------------------------------------	-------------------------------------------	------------------------------------------	--

Sewer Main Backups 6	Sewer Lateral Backups 102	Dry Weather CSO 0	Permits Processed within SLA (%) 85	Electricity Usage (Kwh) 22711
--------------------------------	-------------------------------------	-----------------------------	-----------------------------------------------	-----------------------------------------

Customer Experience Highlights

Call Center Performance Actual 83%  Target 85%	Command Center Performance Actual 78%  Target 85%	Emergency Response Time Actual 100%  Target 90% (% of calls Received)
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Low Income Assistance Program Highlights

SPLASH Contributions (\$tho) Actual 24.69 Target 26.67	Customer Assist. Program (\$tho) Current 148.34 Previous 83.93
-------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

People and Talents Highlights

Recruitment Activity

Filled	4
Open	40

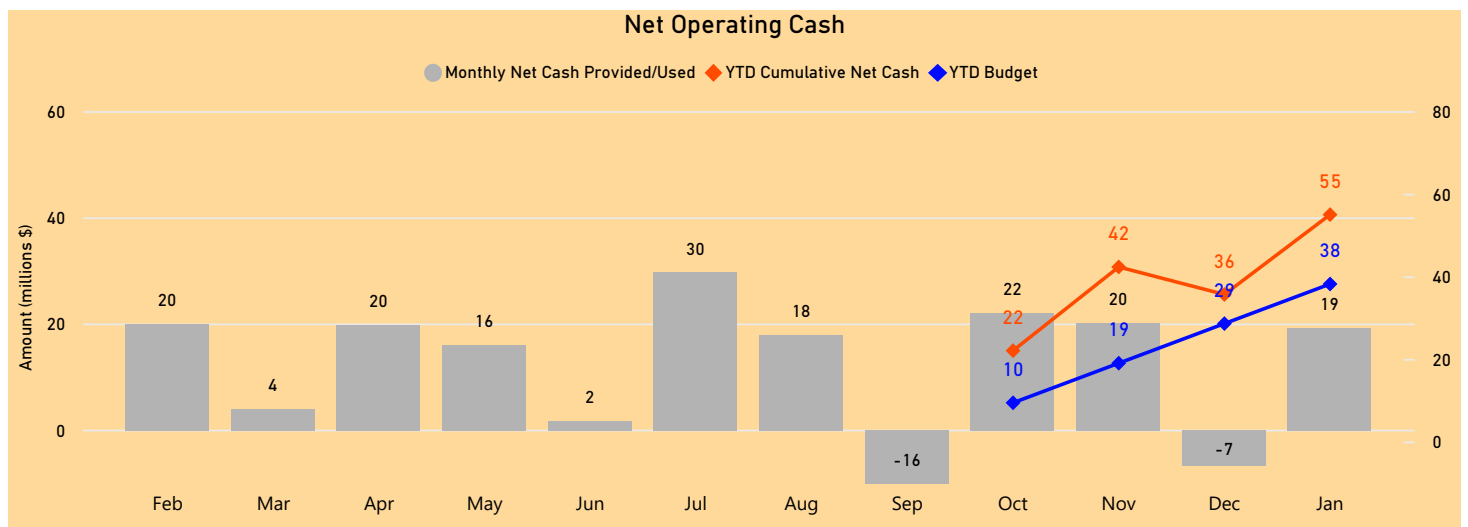
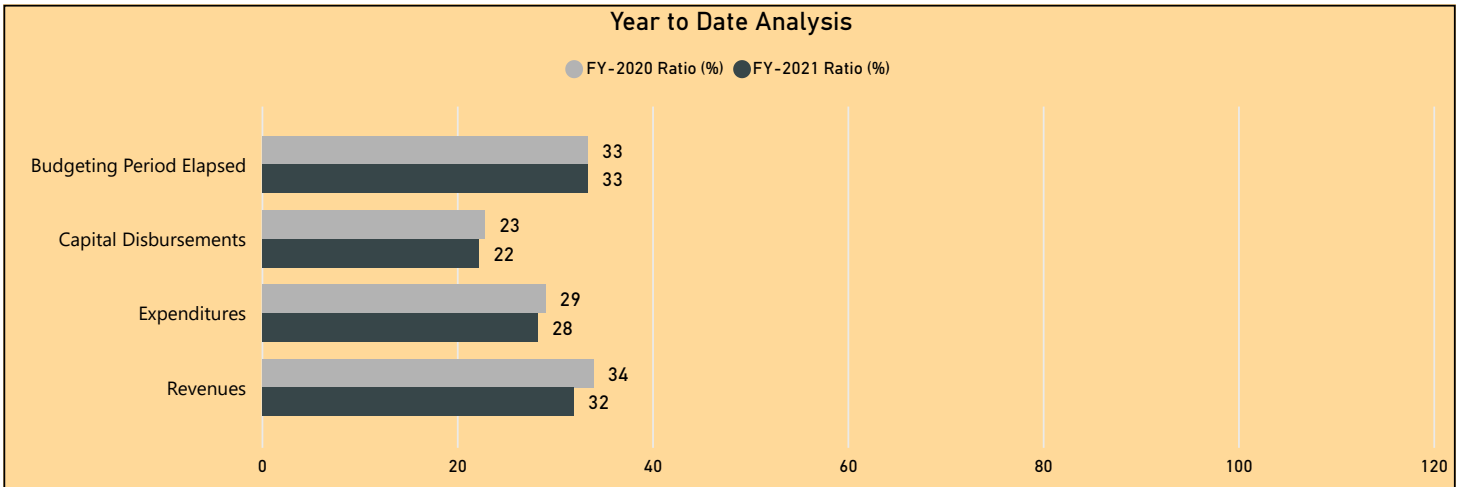
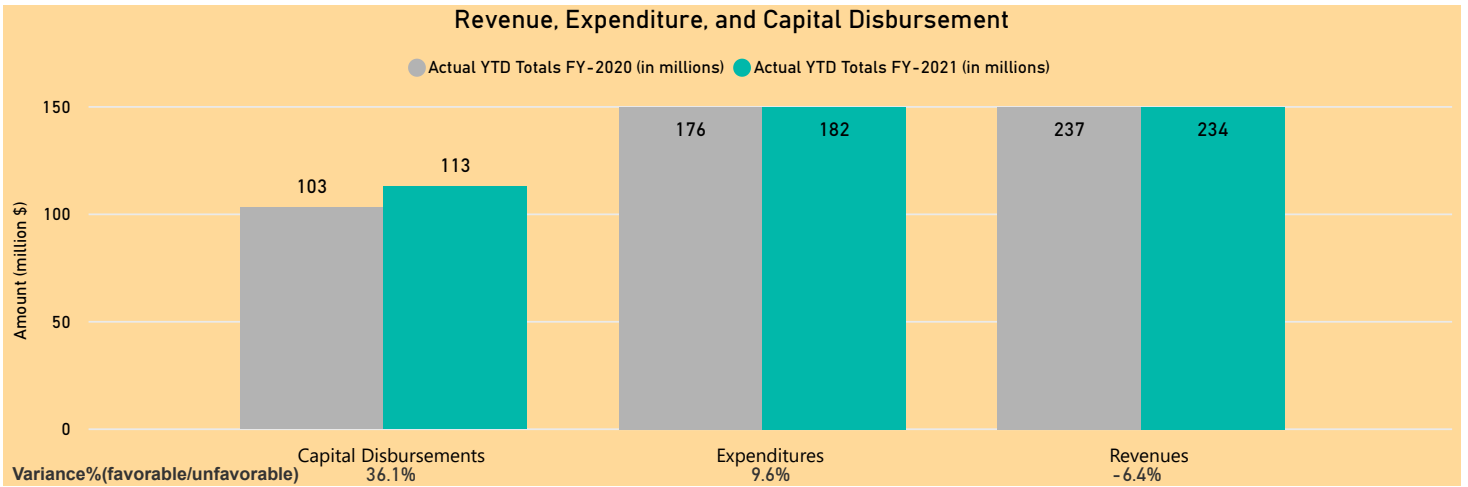
Administration Highlights

Employee Lost Time Incidence Rate

2.70%

FINANCIAL HIGHLIGHTS

Financial Performance Summary

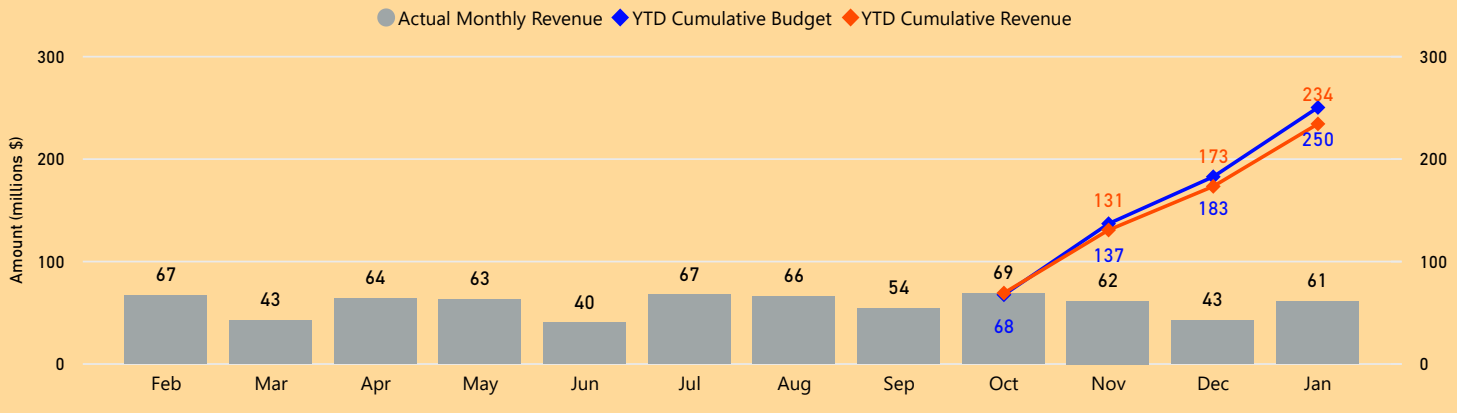


Net cash to date for January was above budget by \$16.8 Million

FINANCIAL HIGHLIGHTS

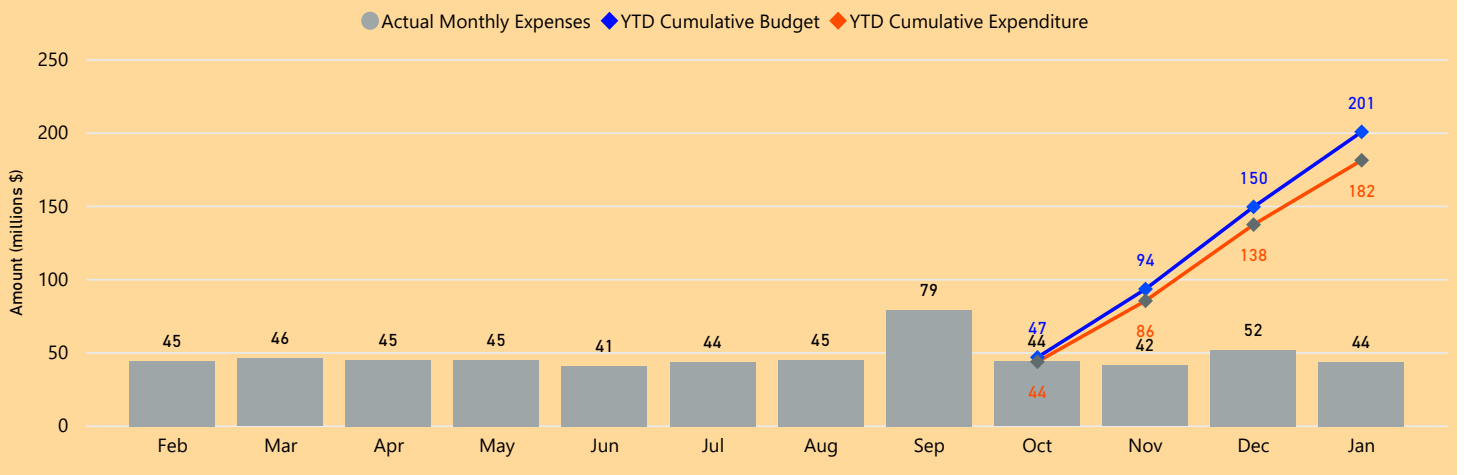
Revenues & Operating Expenses

Operating Revenues



Revenue to date for January was below budget by \$16.0 Million

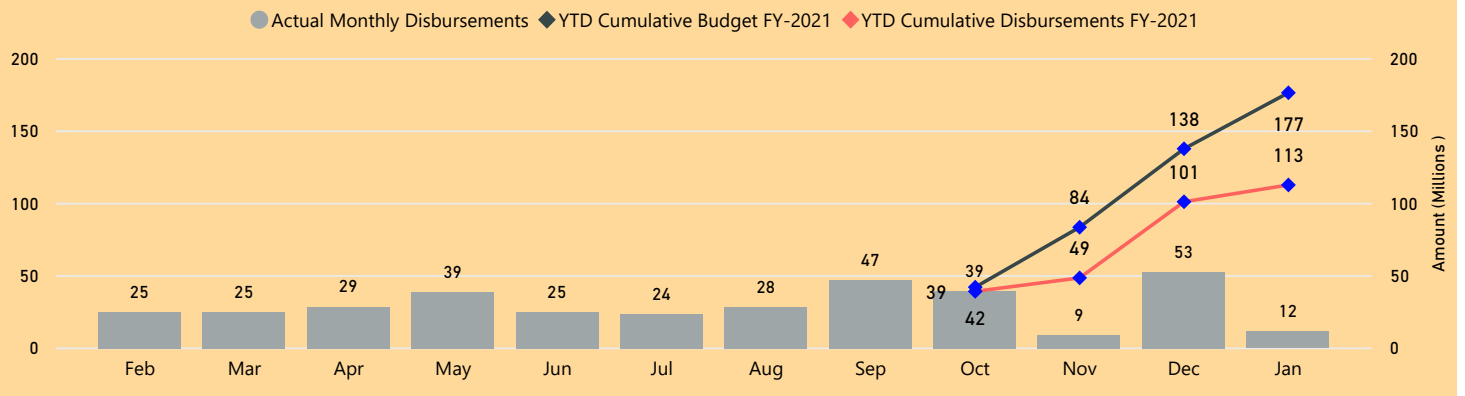
Operating Expenses



Expenditure to date for January was below budget by \$19.4 Million

Capital Spending

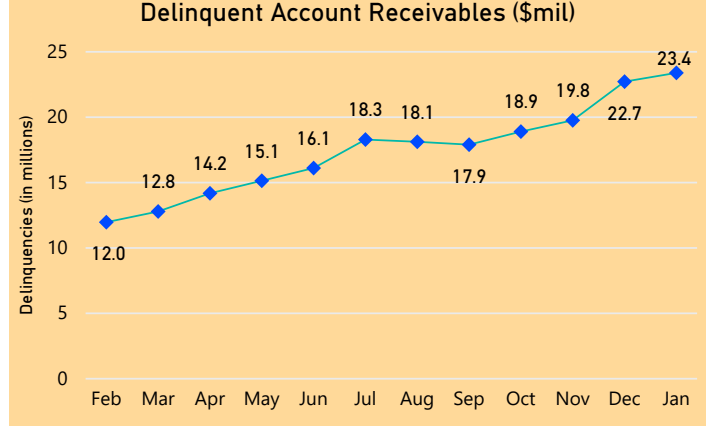
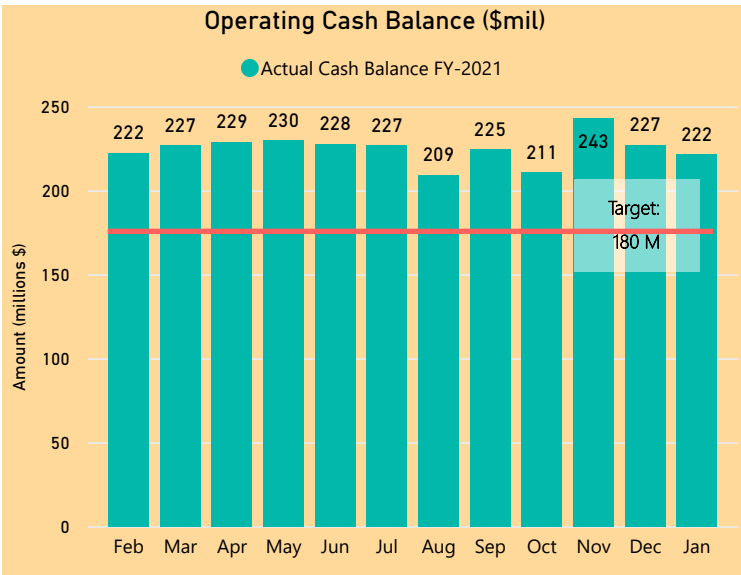
Capital Disbursement



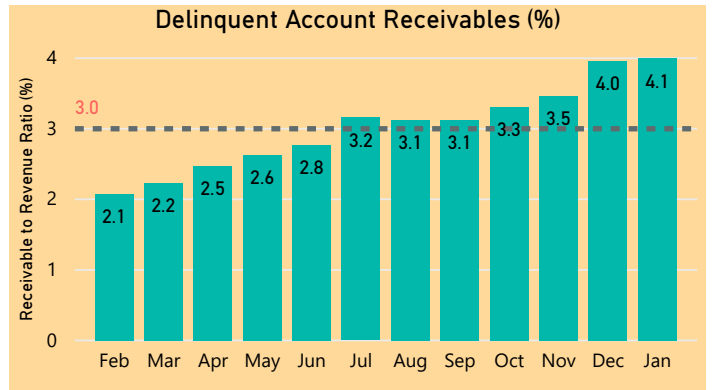
Disbursements to date for January was below budget by \$63.7 Million. YTD spending reflects comparison to the revised budget.

FINANCIAL HIGHLIGHTS

Operating Cash & Receivables



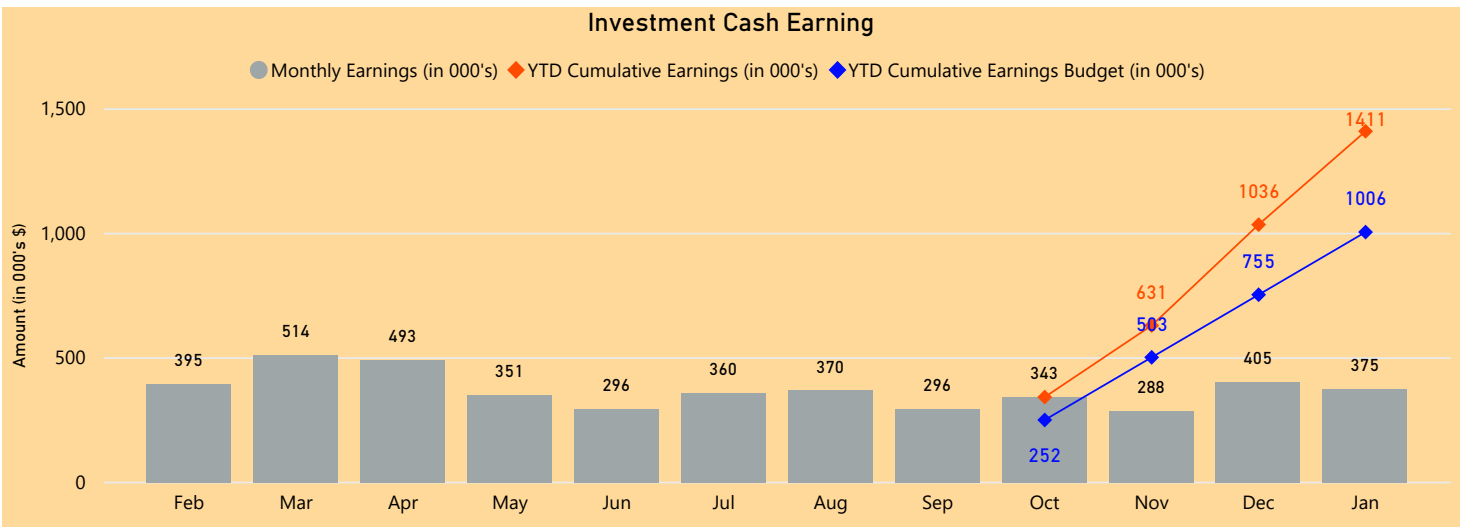
Starting March, the increase is primarily due to increased delinquencies and deferred payments resulting from the COVID-19 pandemic



January Receivables to Revenue Ratio is 4.13, Delinquency is \$23.39 million.

Cash Balance for January was above target by \$41.64 million

Investment Earnings

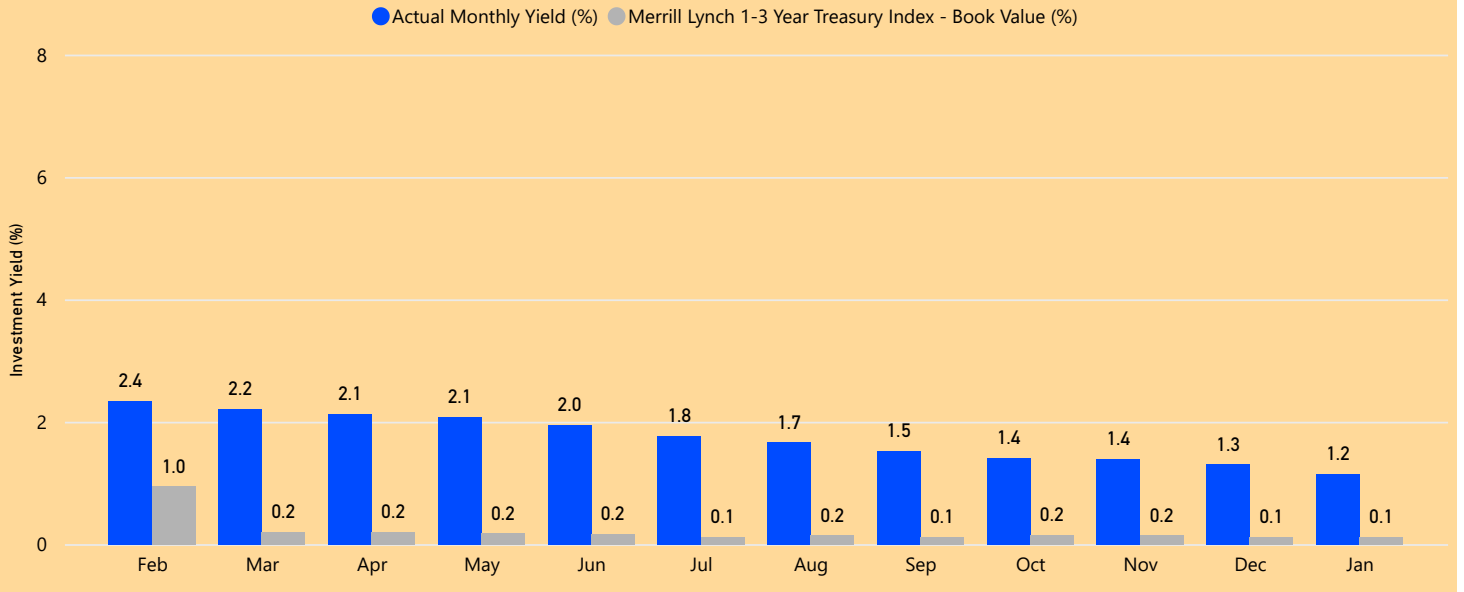


Earnings to date for January were above Projected Budget by \$405,044.

FINANCIAL HIGHLIGHTS

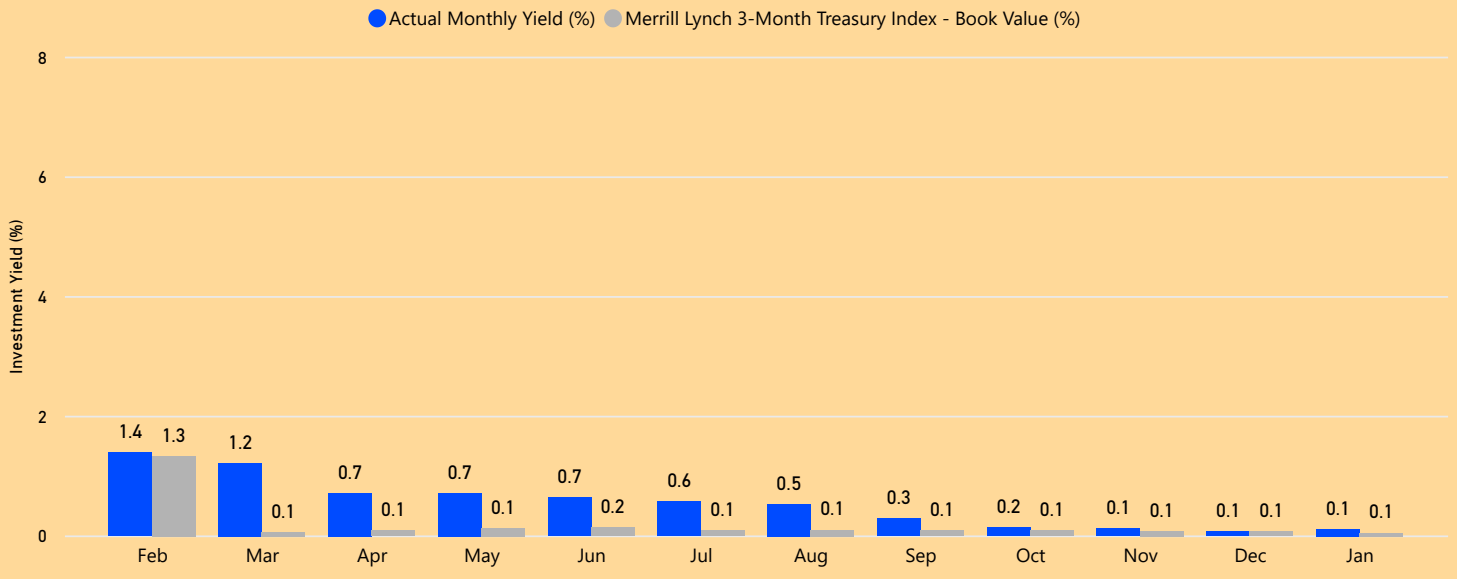
Investment Yields

Core Investment Yield



Yield for January was more than the treasury index by 1.02%

Short Term Investment Yield

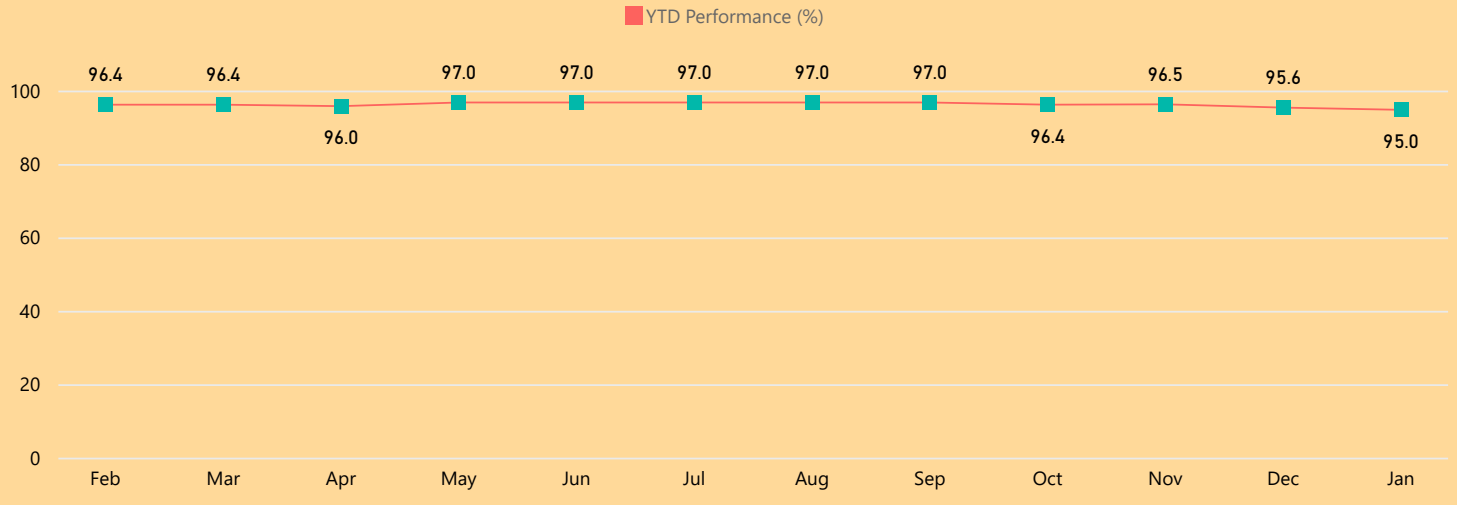


Short Term Yield for December was more than the Merrill Lynch yield by 0.06%

FINANCIAL HIGHLIGHTS

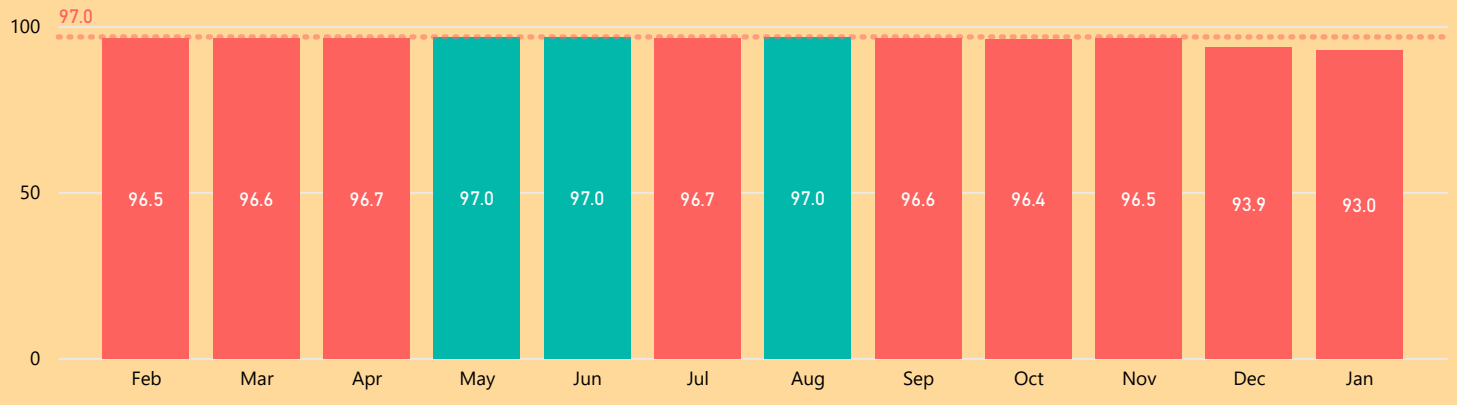
Vendor Payments

YTD Performance



Monthly Performance (%)

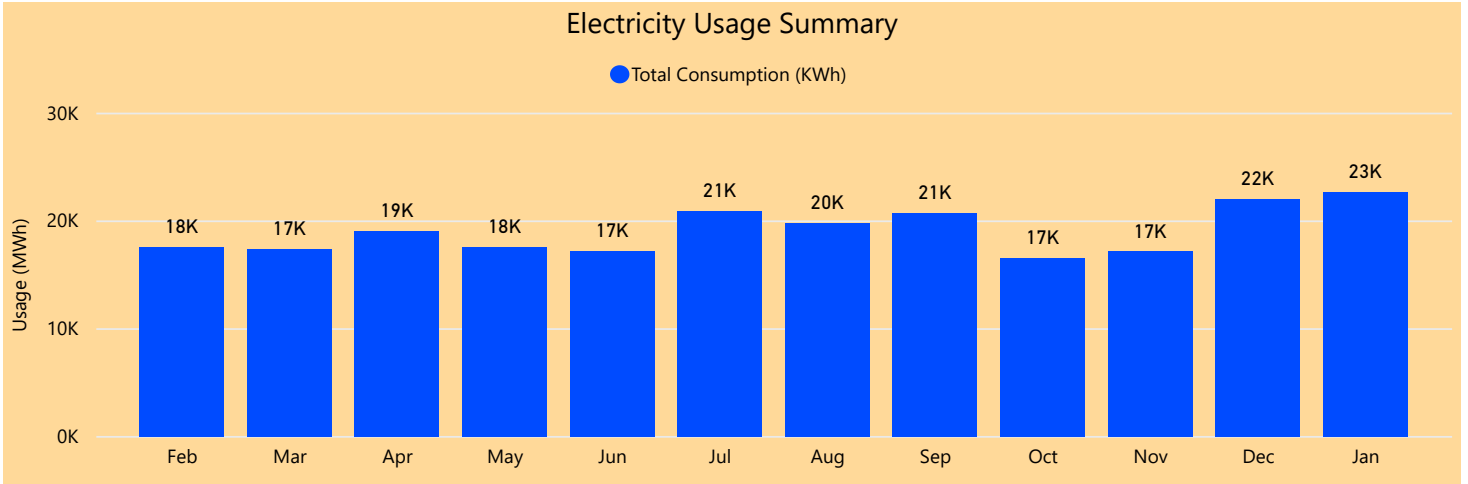
Target: 97%



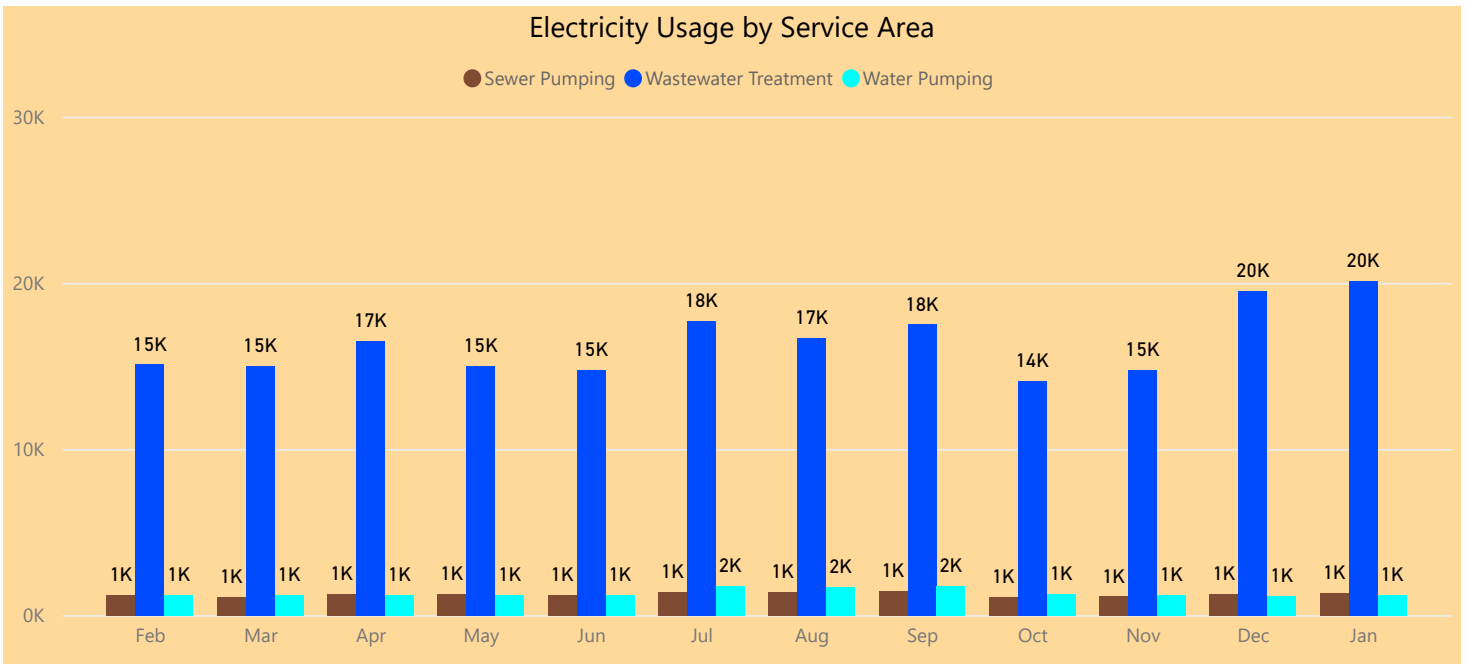
Performance for January was 4.0% below the monthly target of 97.0%

OPERATIONS AND ENGINEERING

Energy Consumption



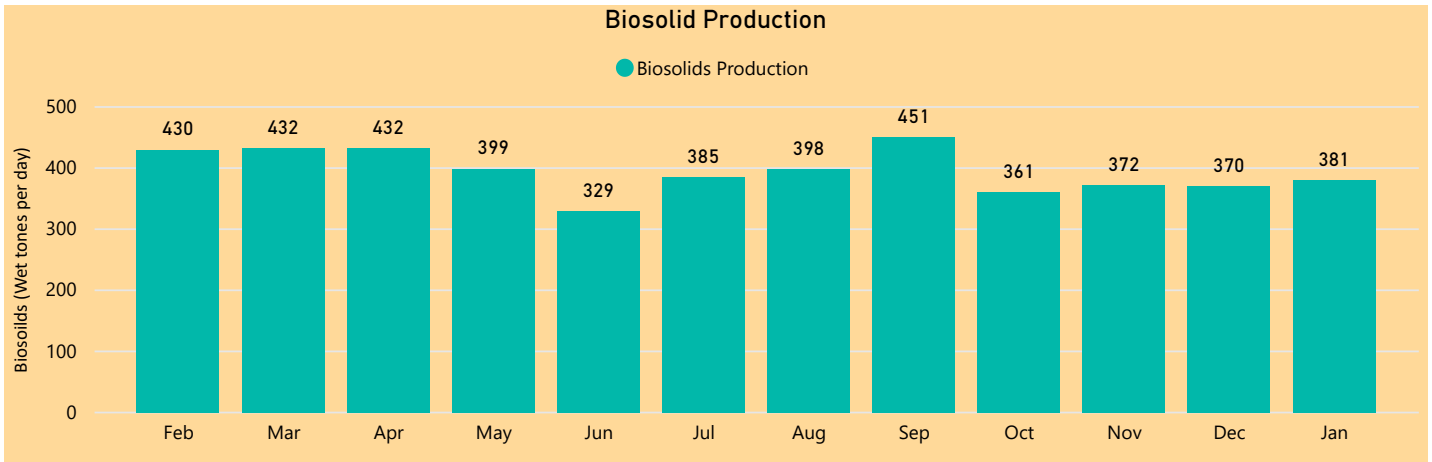
Electricity consumption in Jan 2021 was 22711 KWh.



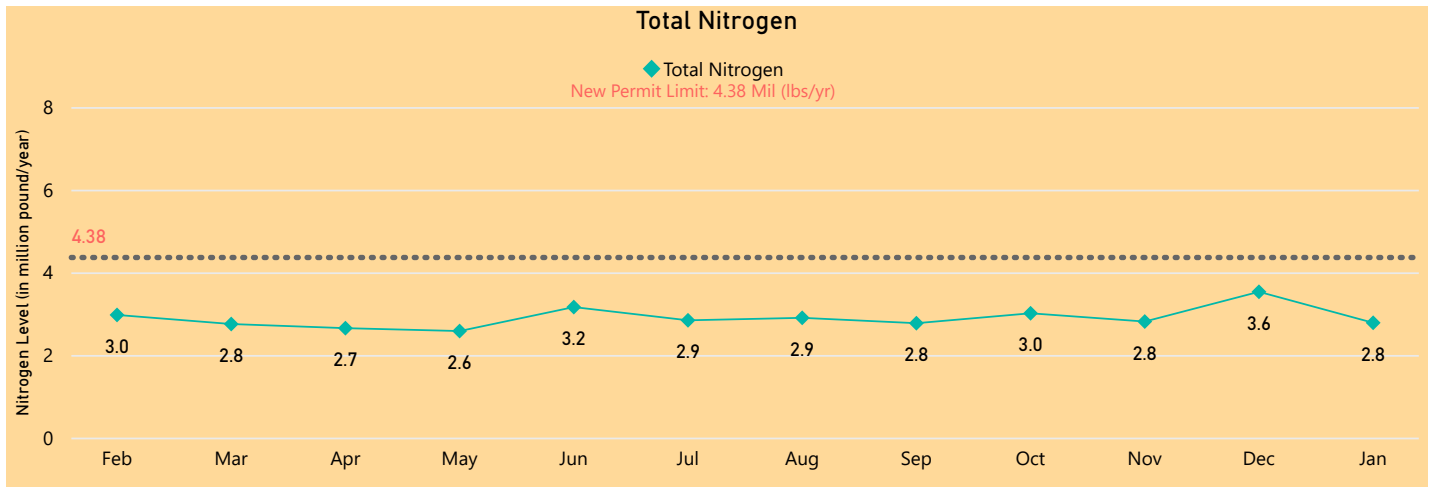
Wastewater treatment has the highest electricity consumption in Jan 2021 at 10137 KWh.

OPERATIONS AND ENGINEERING

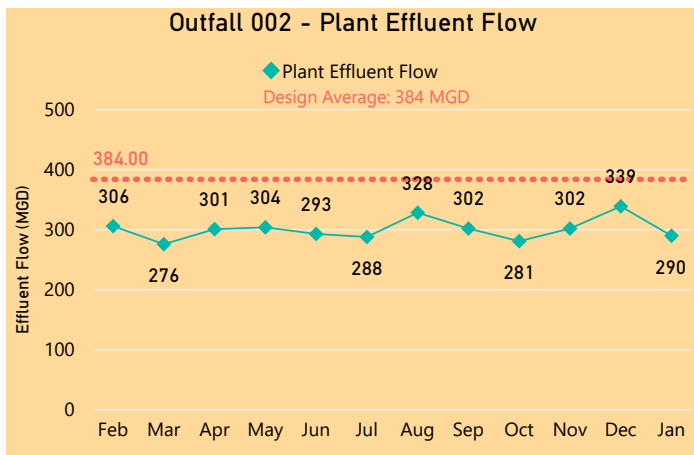
Wastewater Treatment



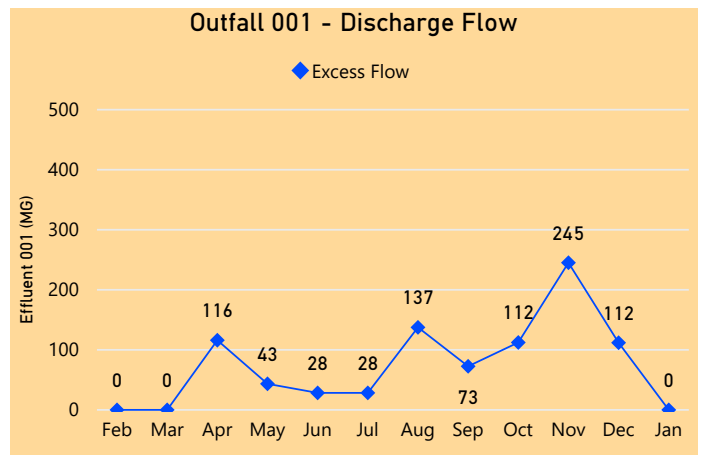
Biosolids daily production for Jan 2021 was 380.84 wet ton per day.



Nitrogen level for Jan 2021 was below permit by 1.58 million lbs/yr.



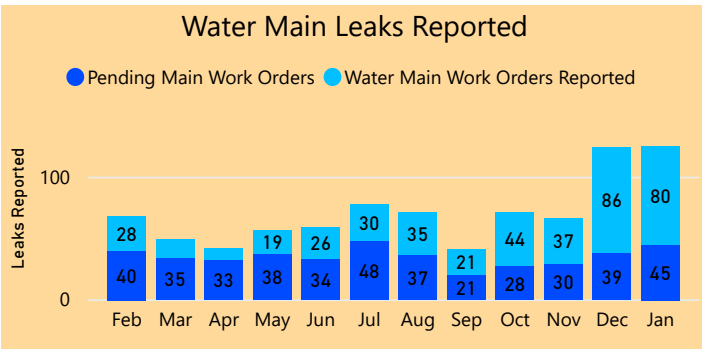
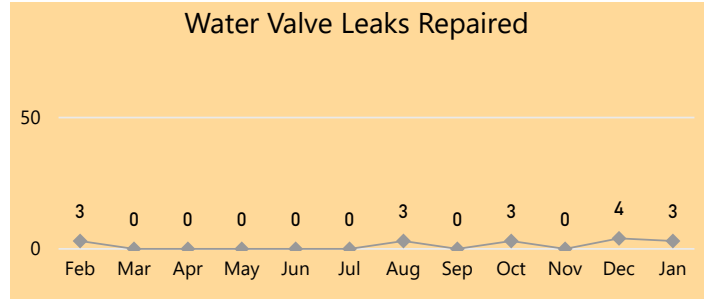
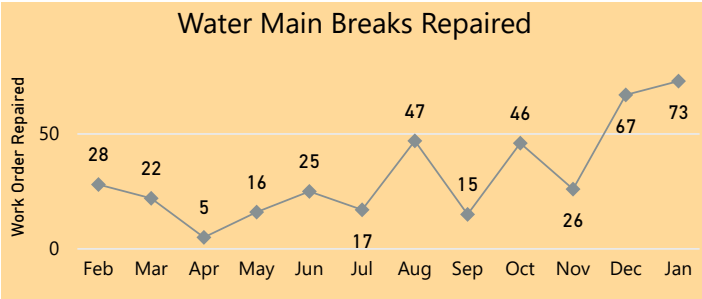
In Jan 2021 effluent flow was below permit by 94 MGD.



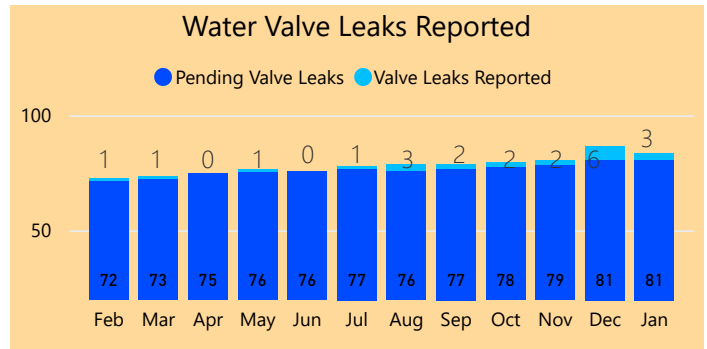
Excess flow events were recorded at 0 MG in Jan 2021.

OPERATIONS AND ENGINEERING

Water Distribution Operations



There were 80 Water Main Work Orders reported in January.

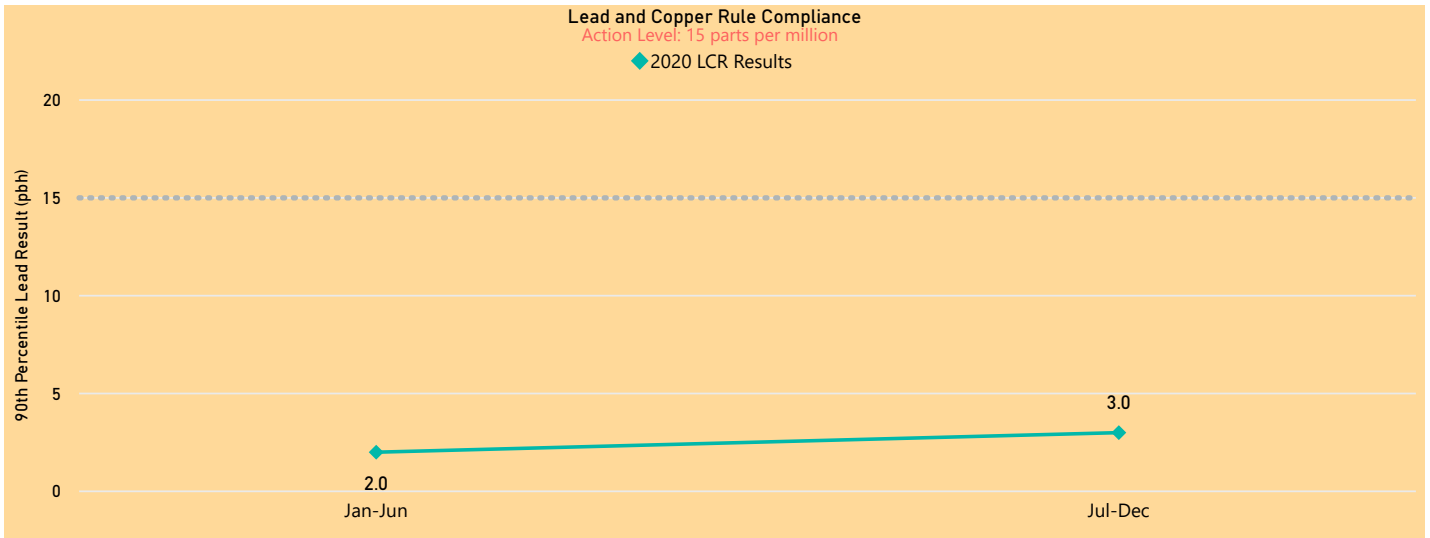


3 leaks were reported in January.

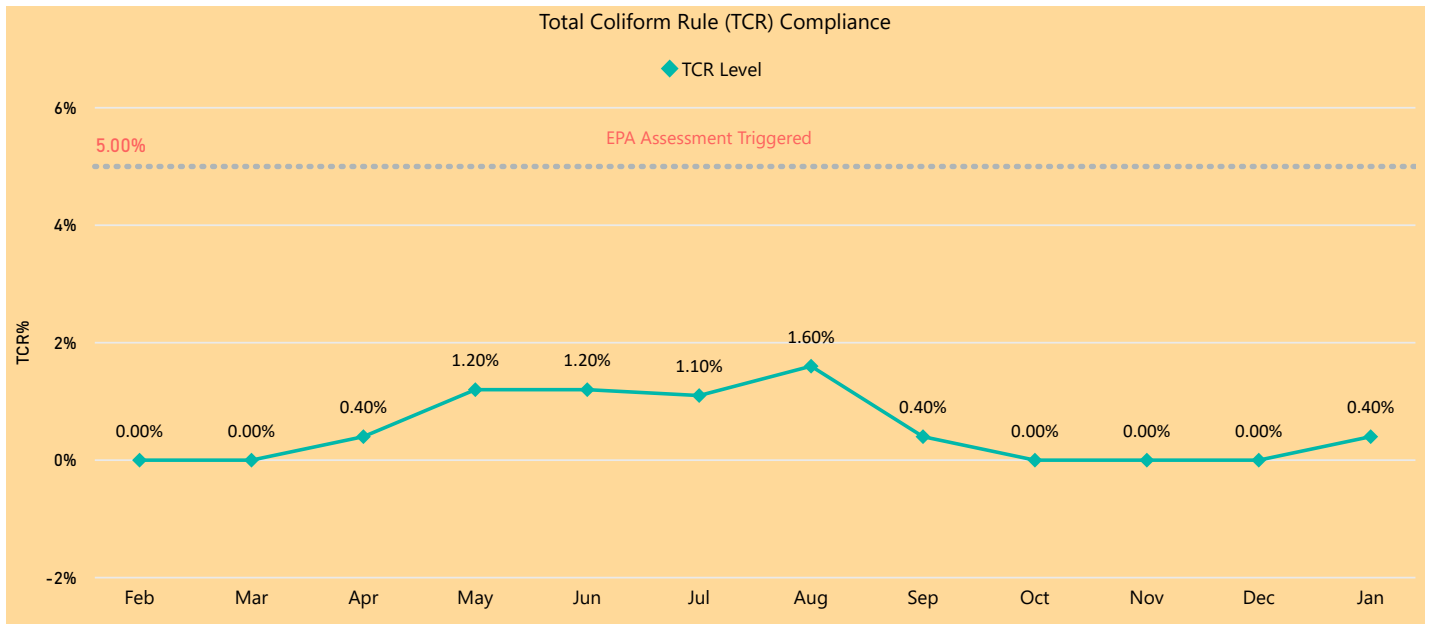
Water Balance

OPERATIONS AND ENGINEERING

Drinking Water Quality



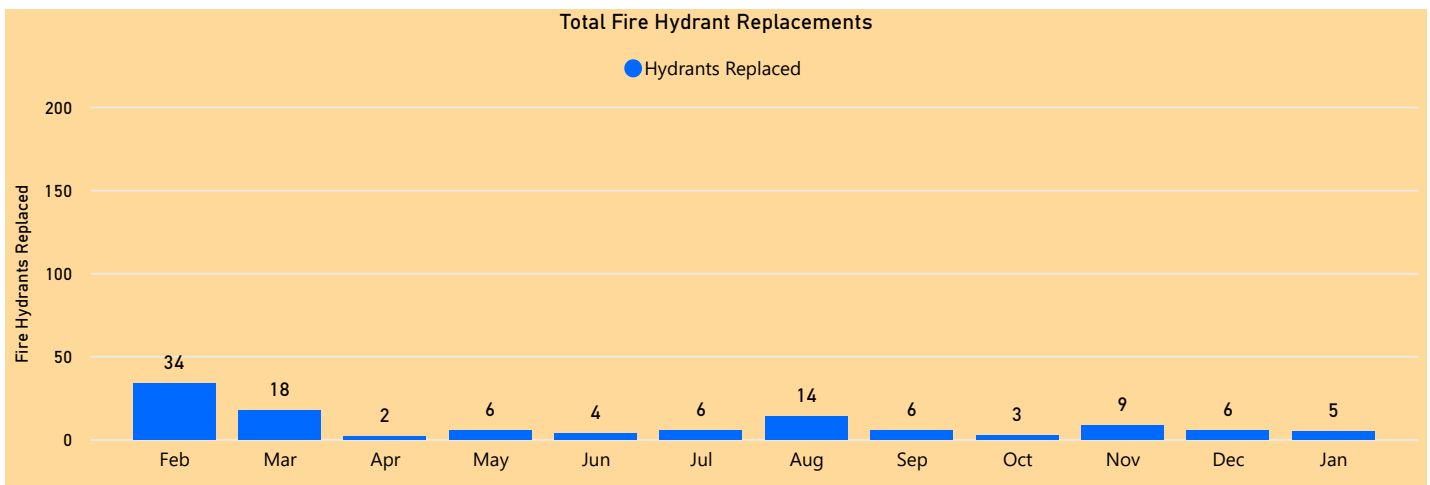
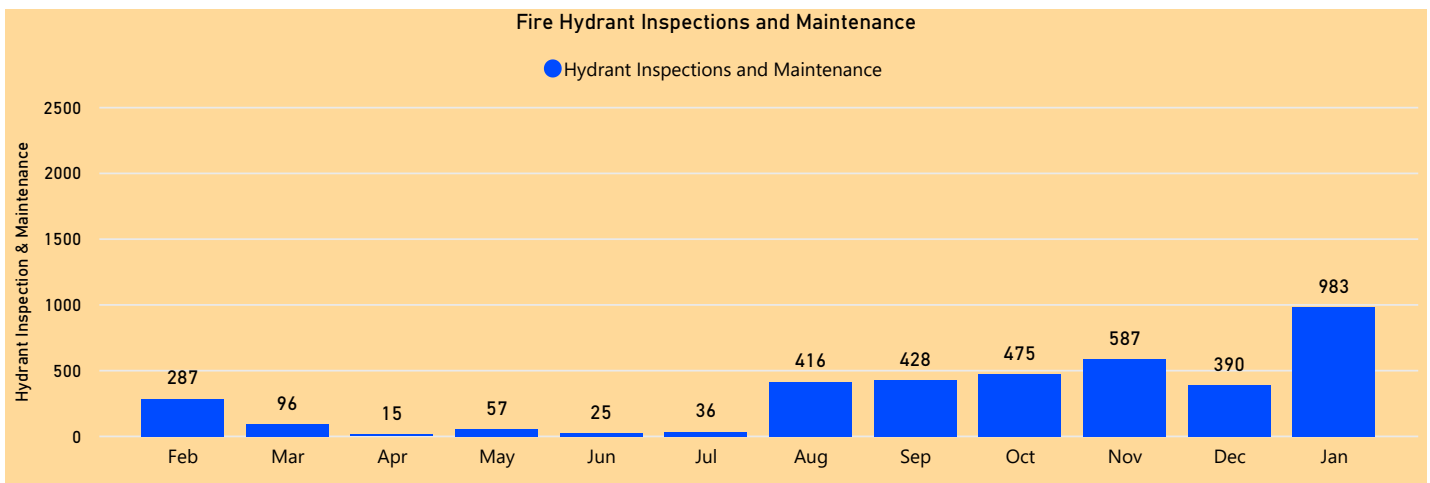
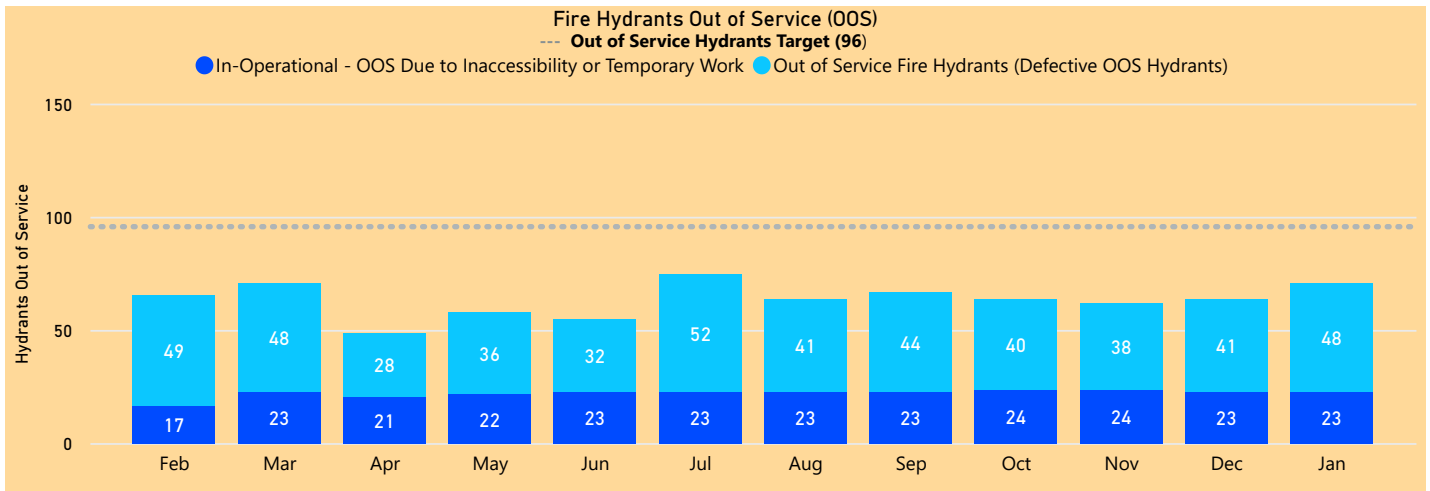
90th percentile of lead results for 1st semester 2021 is pending



Coliform Positive was recorded at 0.004% for Jan 2021

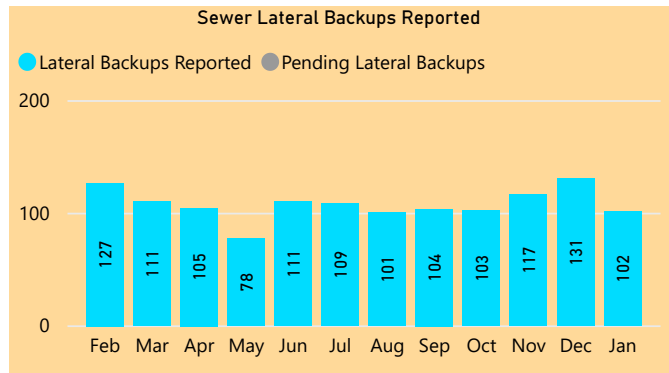
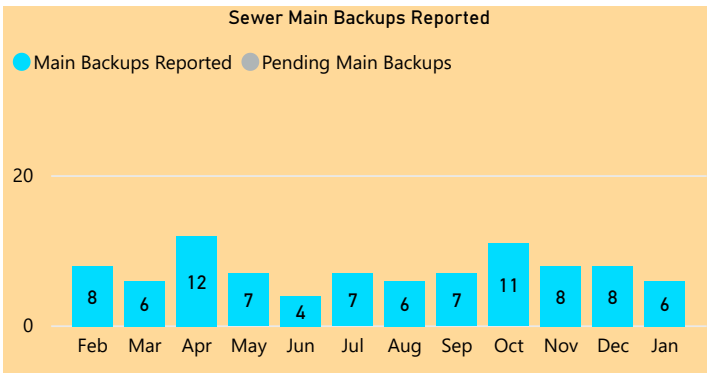
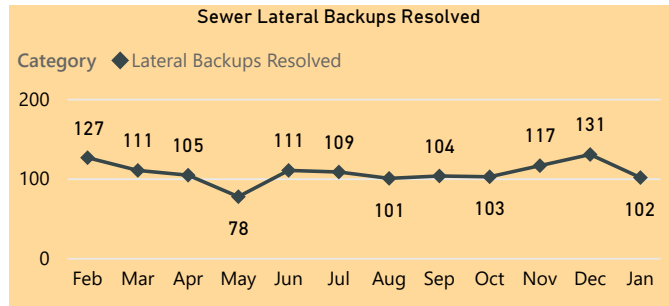
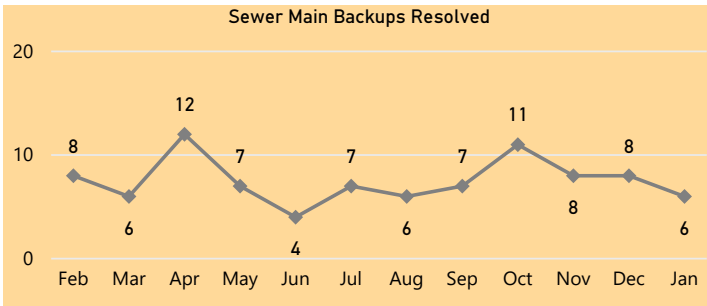
OPERATIONS AND ENGINEERING

Fire Hydrants



OPERATIONS AND ENGINEERING

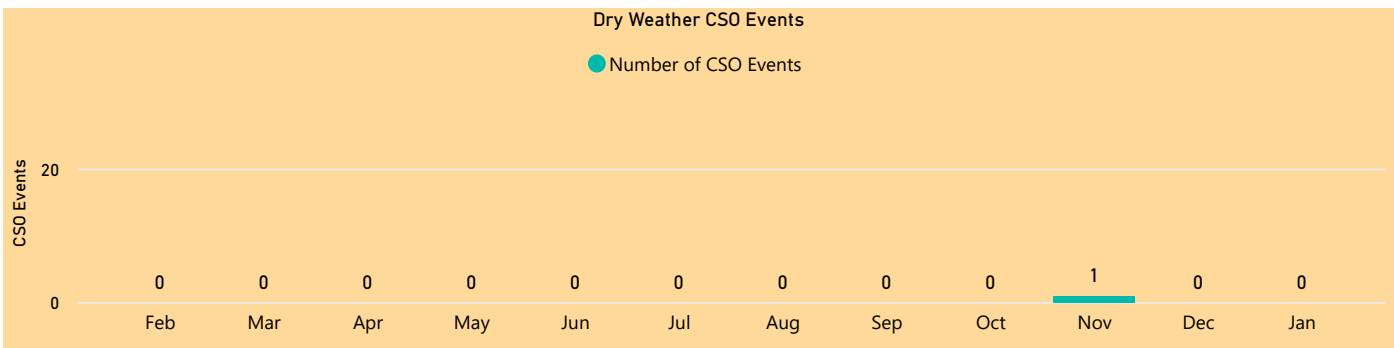
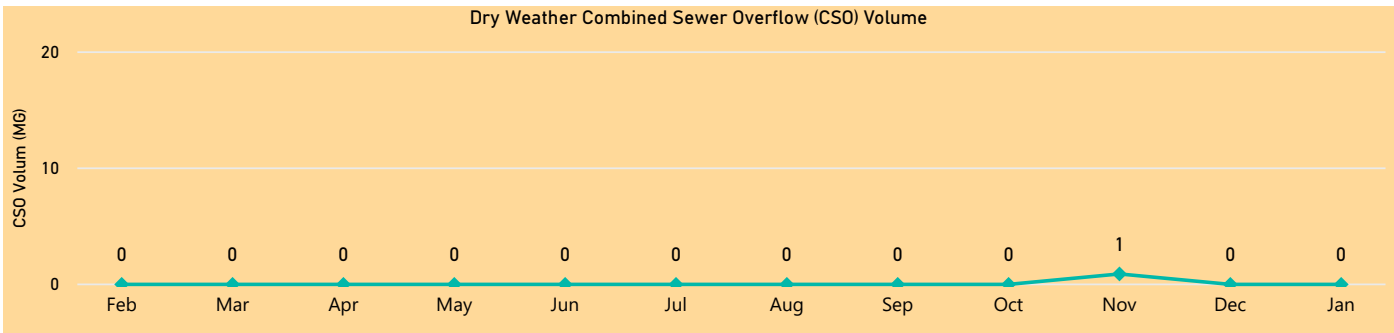
Sewer System Operations



0 pending main backup(s) reported

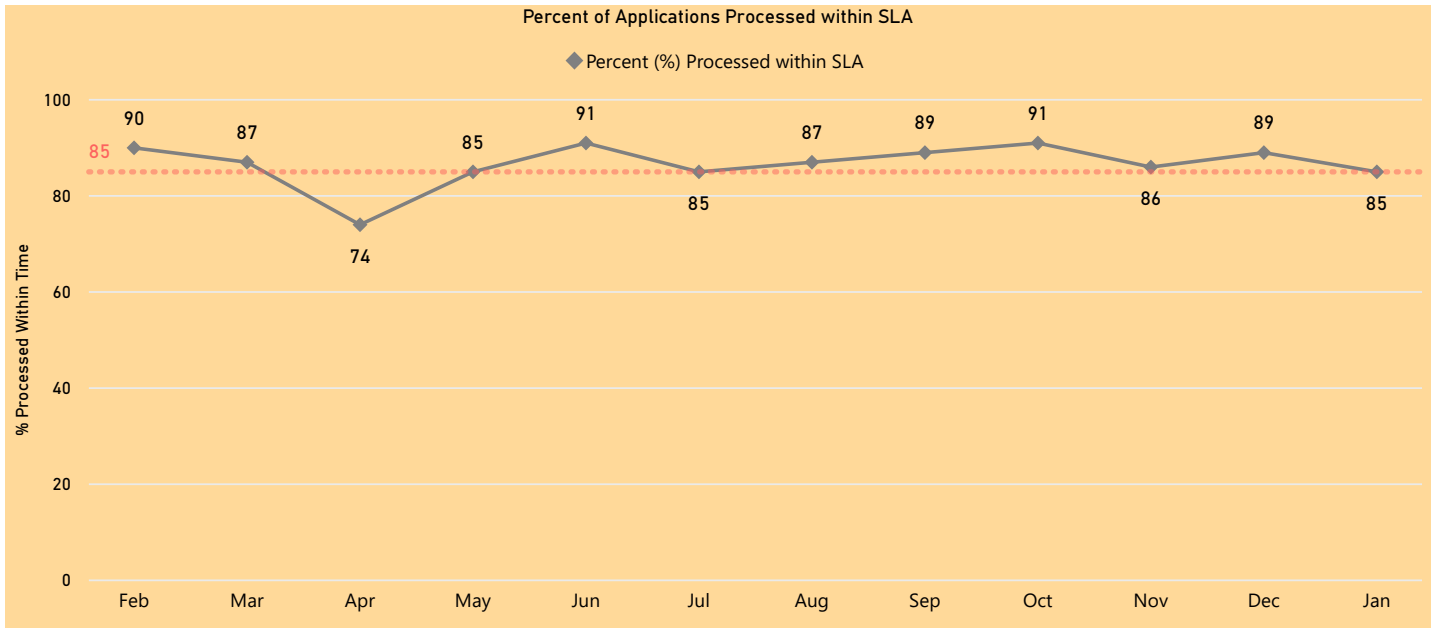
0 pending lateral backup(s) reported

Combined Sewer System

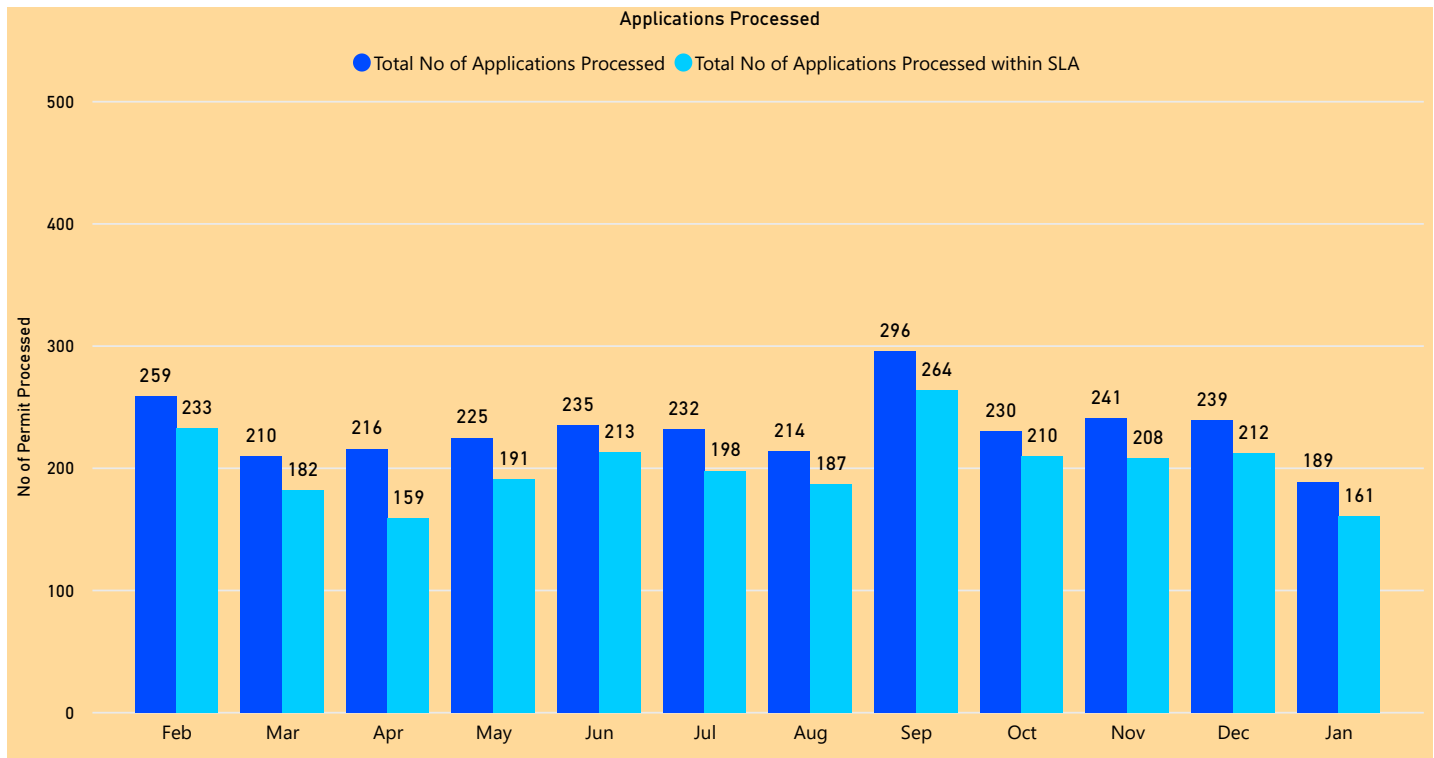


OPERATIONS AND ENGINEERING

Permit Processing

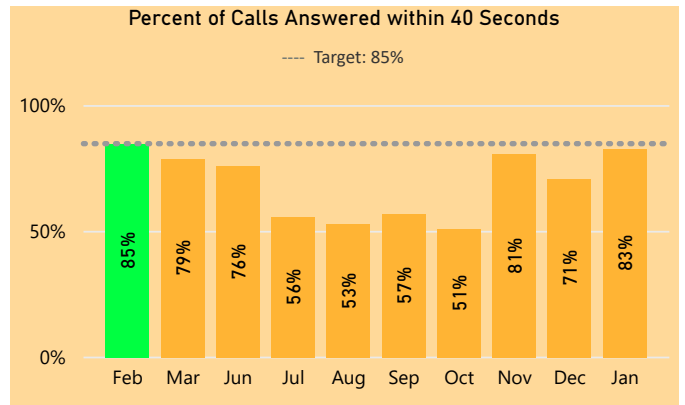
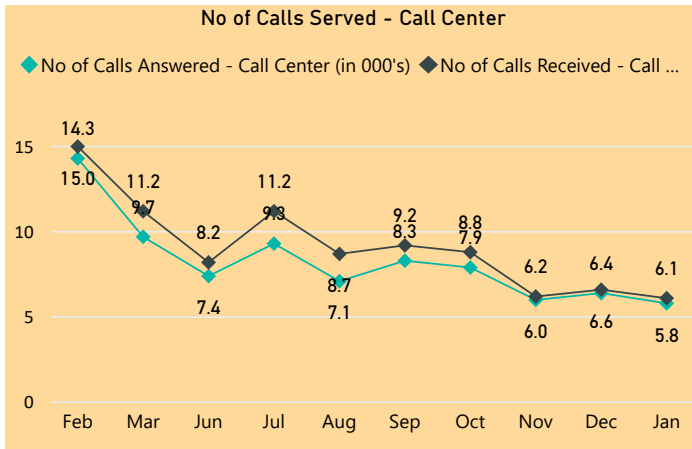


Permits processed in Jan 2021 were 0% below the SLA target 85%



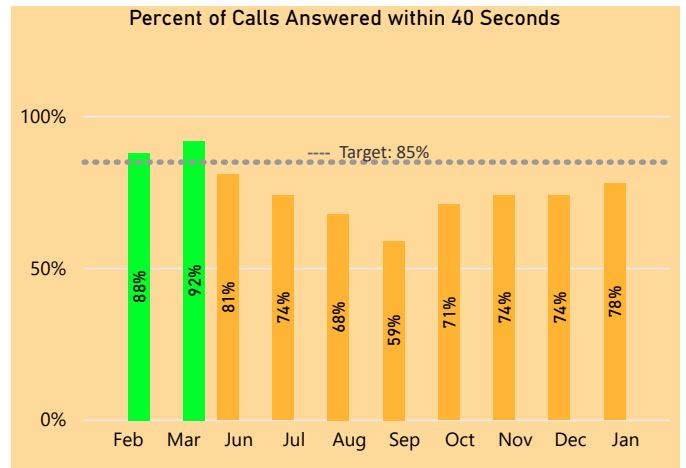
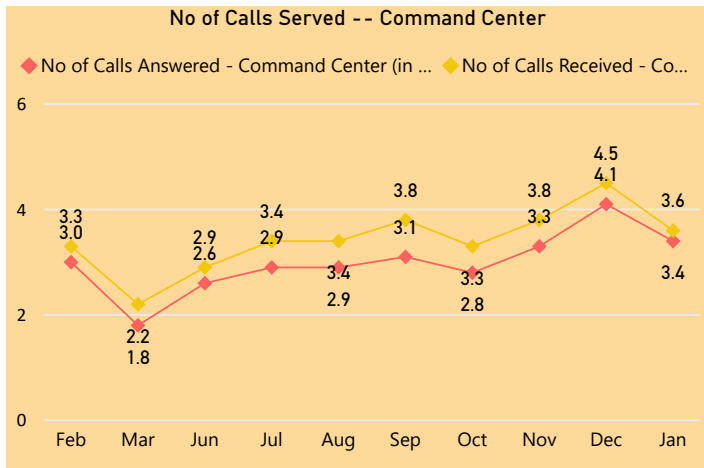
CUSTOMER EXPERIENCE

Customer Care - Call Center Performance



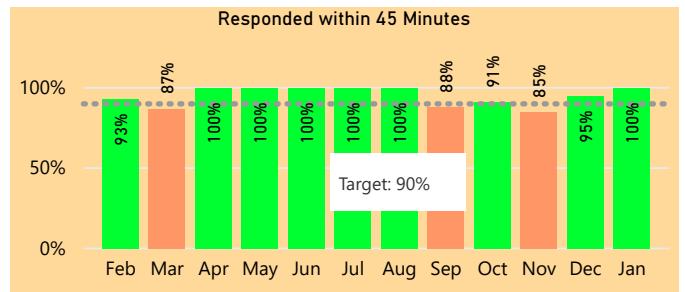
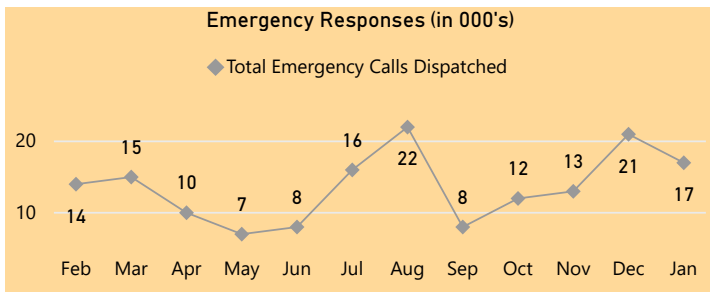
Call Center was below target by 2%. Service level missed due to IT issue ...

Customer Care - Command Center Performance



Command Center was below target by 7% due to COVID absences and w..

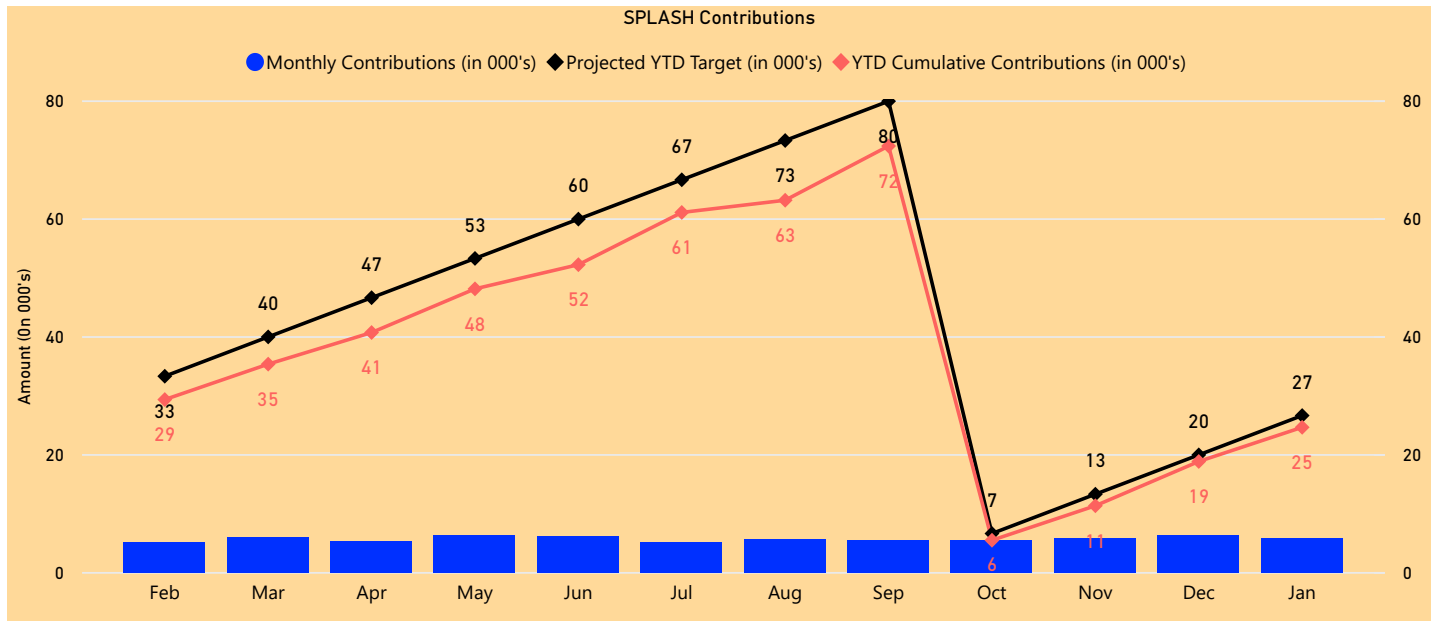
Customer Care - Emergency Response Time



Performance for Jan 2021 was above target by 10%.

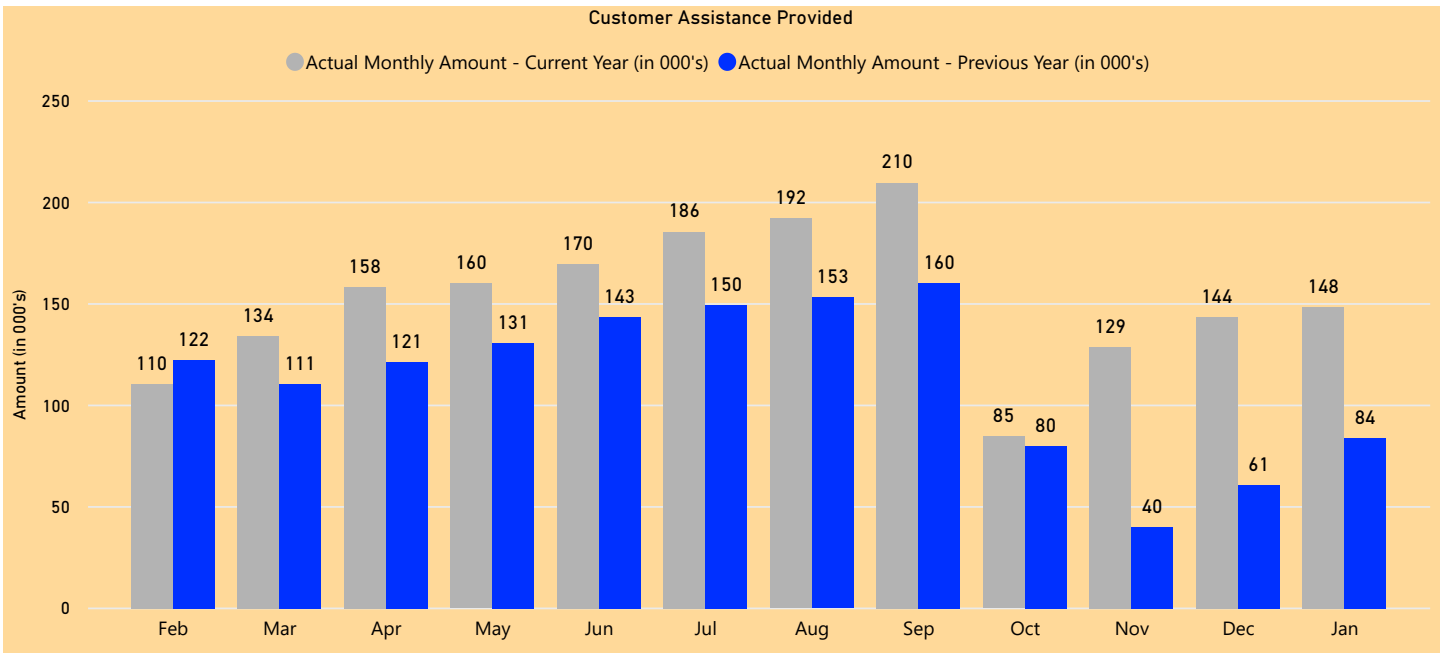
LOW INCOME ASSISTANCE PROGRAM

SPLASH Program



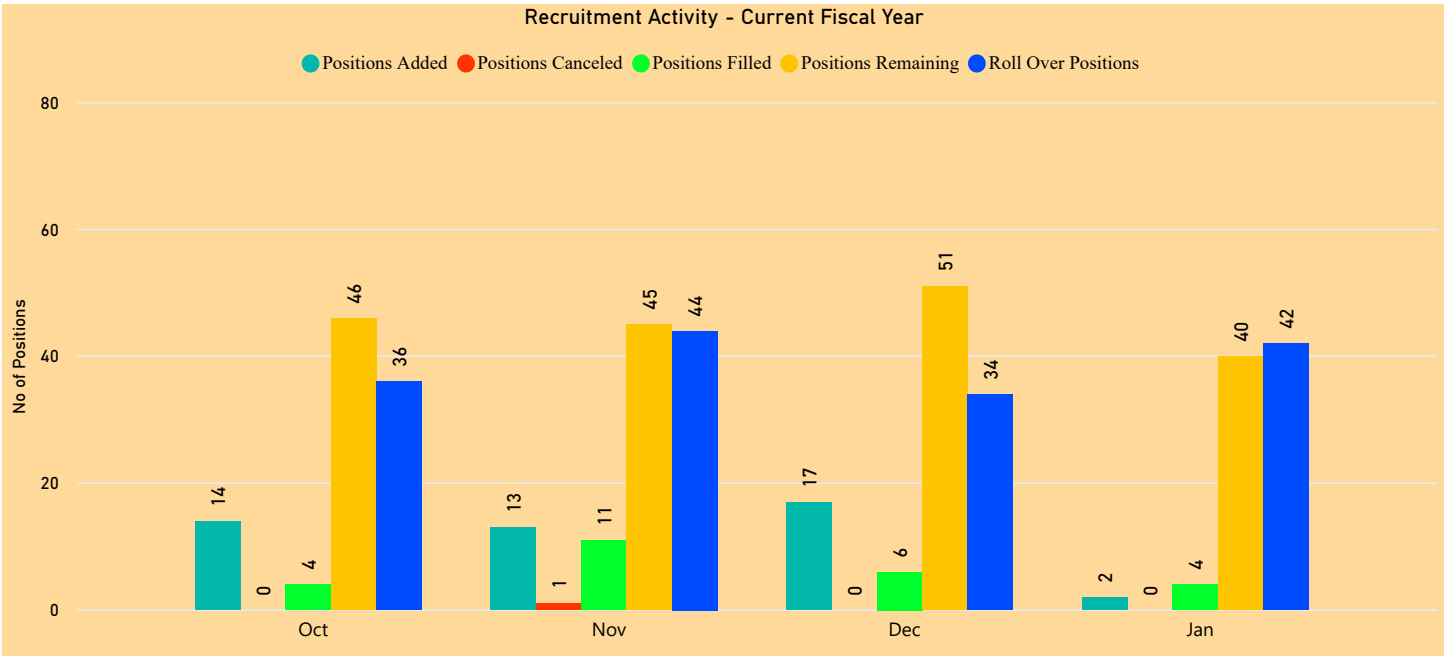
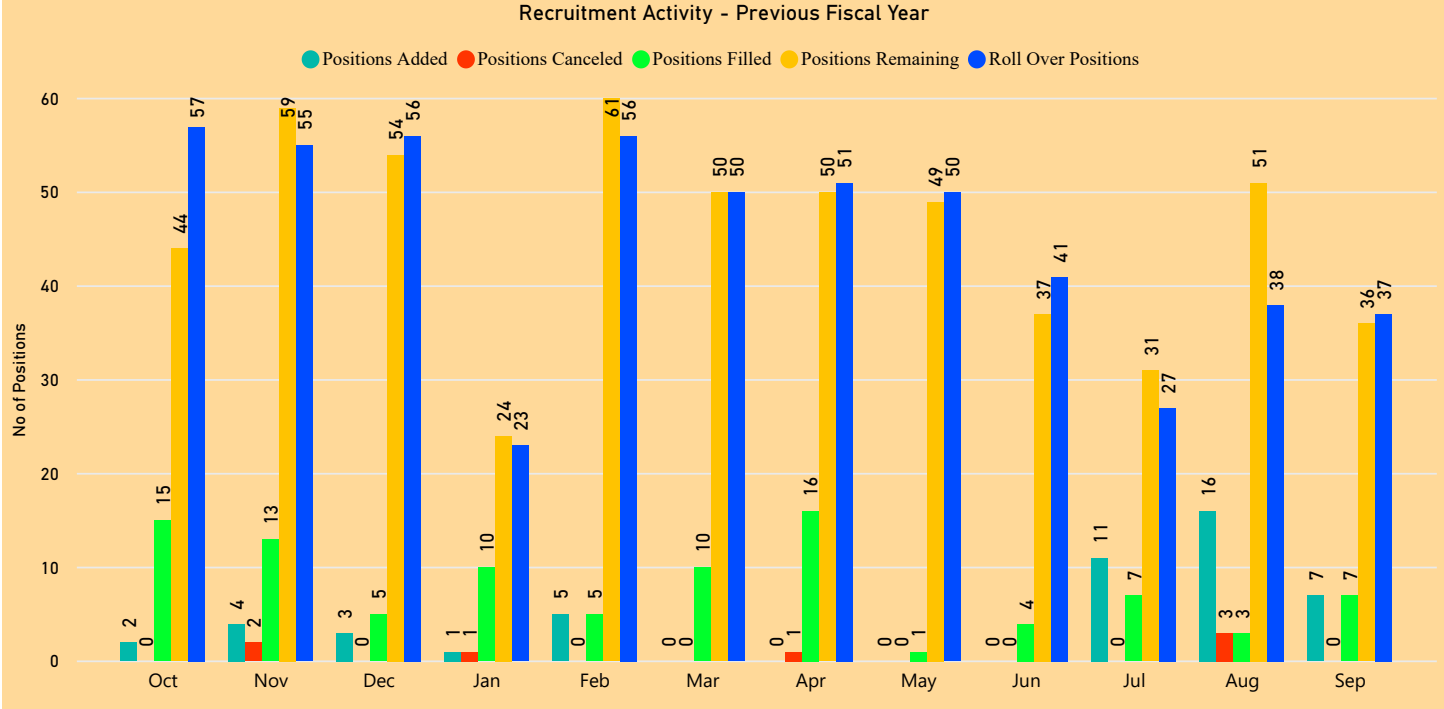
Total SPASH contribution to date for Jan 2021 was under target by \$1995.

Customer Assistance Program (CAP)



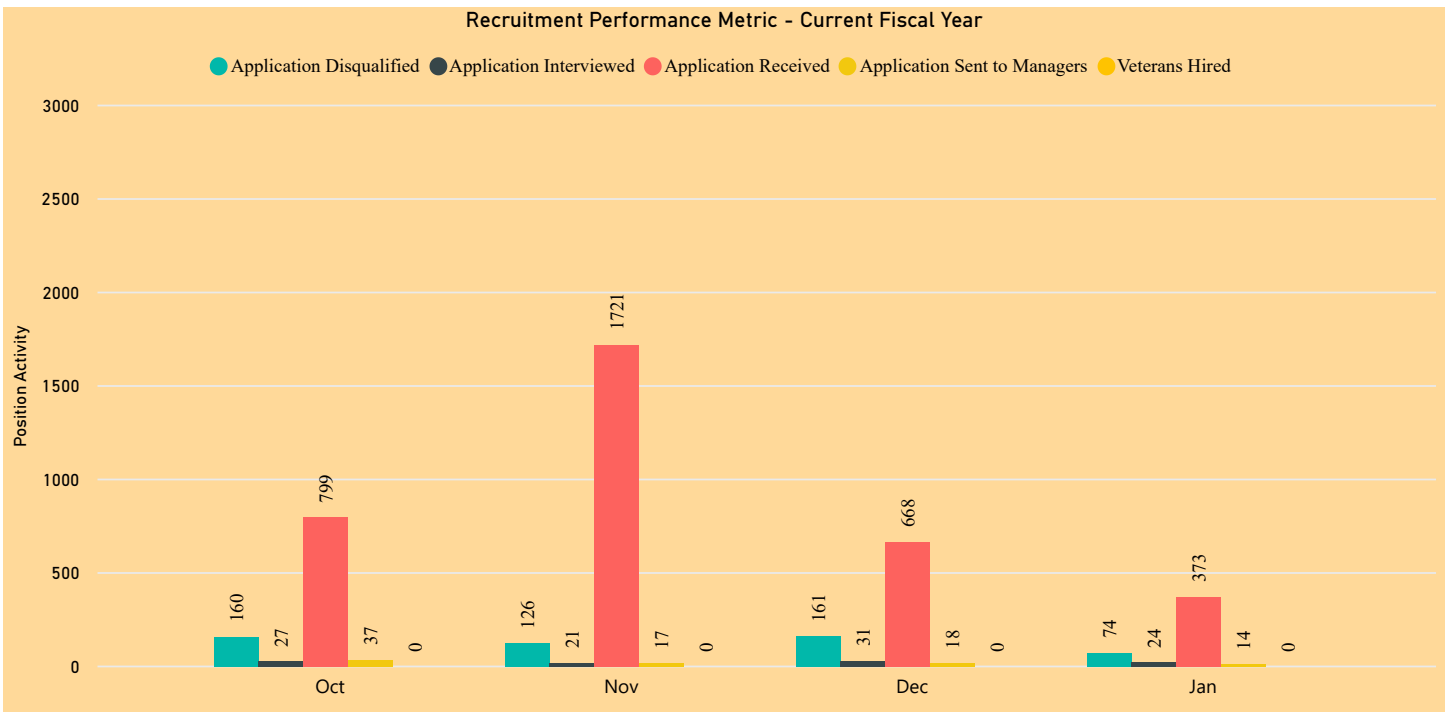
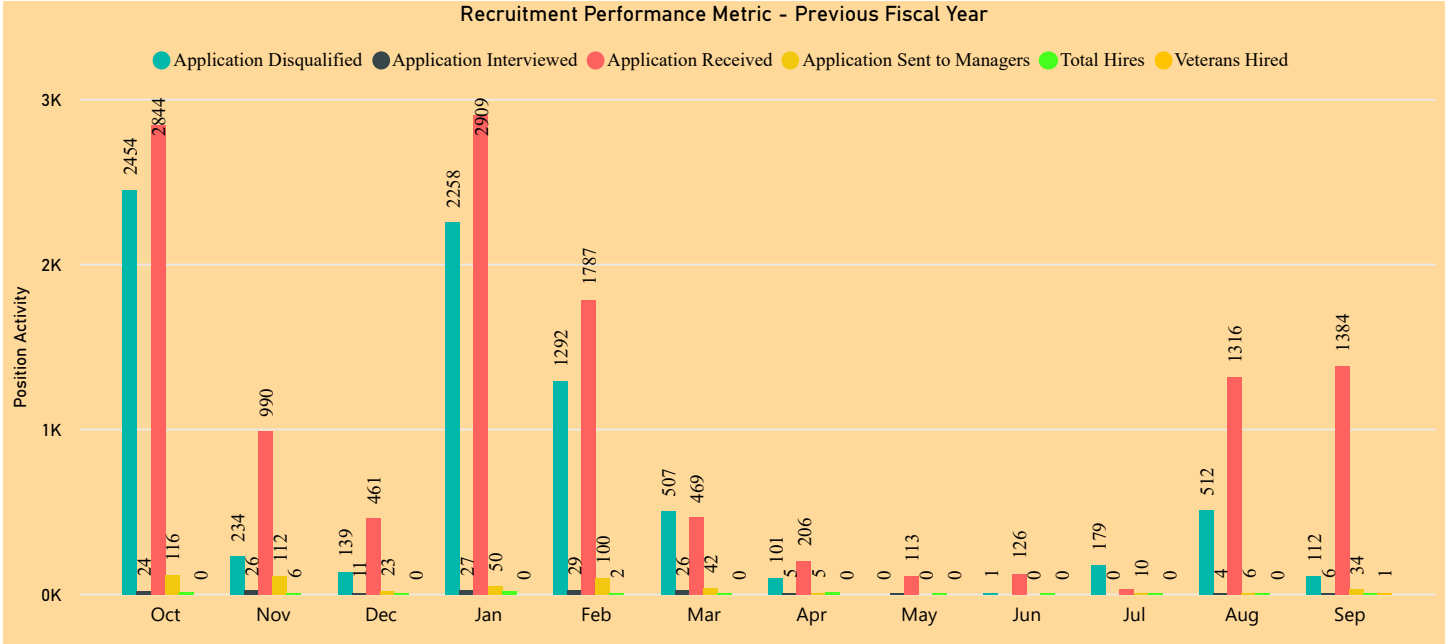
PEOPLE AND TALENT

Human Resources



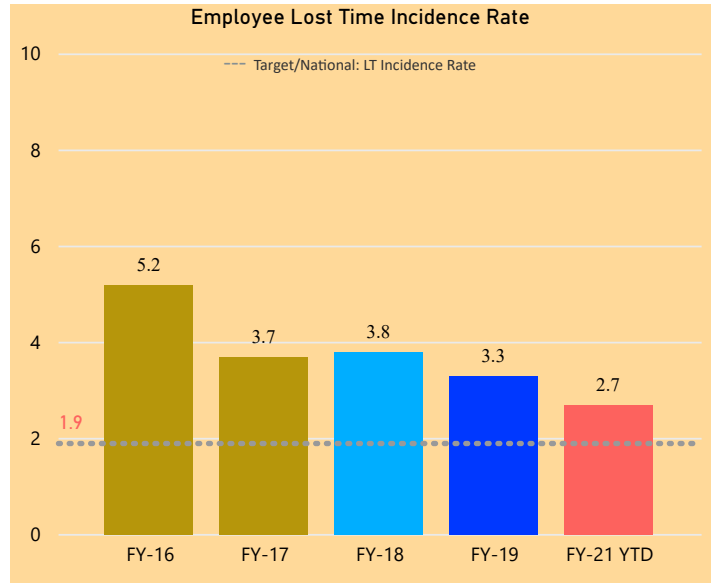
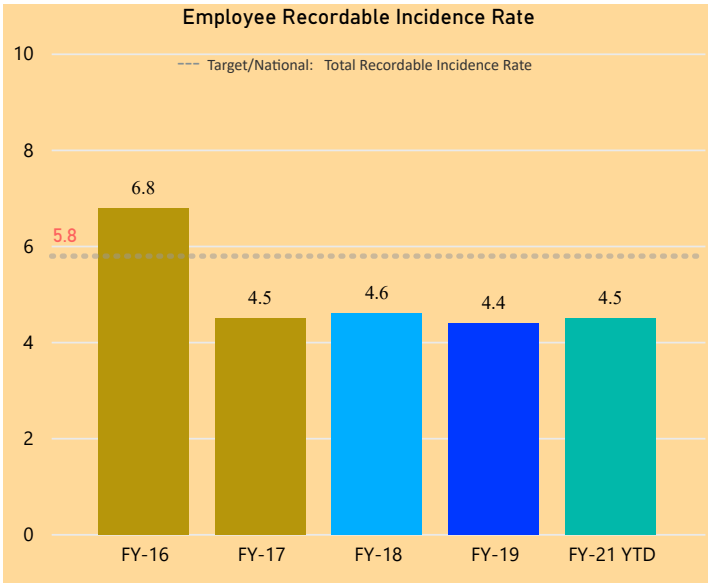
PEOPLE AND TALENT

Human Resources



ADMINISTRATION

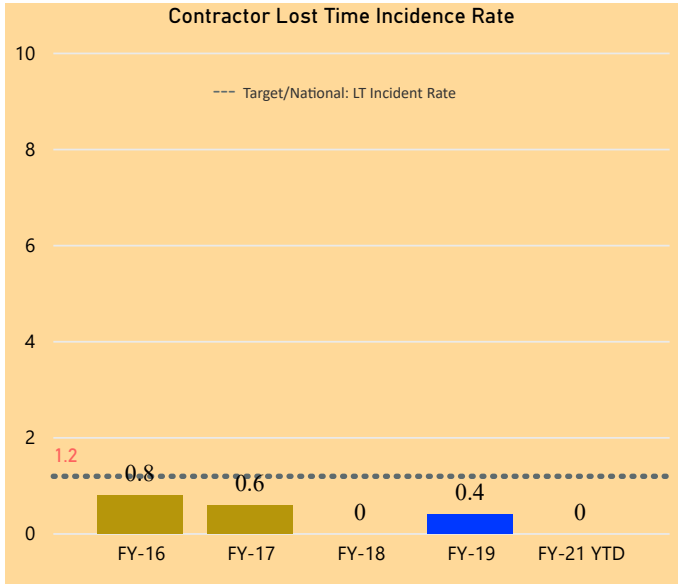
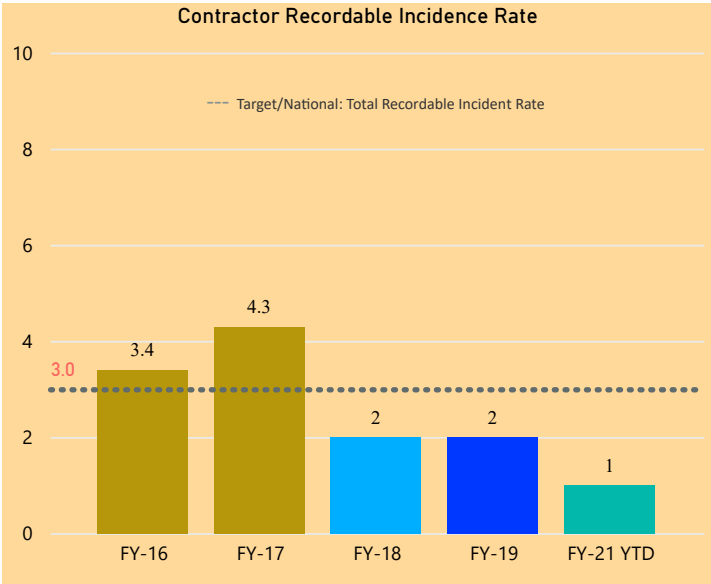
Safety



There have been 11 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

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

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

A

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
273rd Meeting of the DC Water Board of Directors
Thursday, March 4, 2021**

Joint-Use Contracts

Resolution No. 21-17 – execute funding for Contract No. 18-PR-DFS-29, Clean Team Janitorial Service. The purpose of the funding for the contract renewal period is to continue providing janitorial and cleaning services throughout the Authority. The total funding amount is \$900,000.

Resolution No. 21-18 – execute Supplemental Agreement No. 06, Arcadis District of Columbia, PC. The purpose of the supplemental agreement is to continue providing onsite Construction Management Services for the Tunnel Dewatering Pumping Station and Enhanced Clarification Facility. The supplemental agreement amount is \$560,478.

Resolution No. 21-19 – execute Option Year Eight (8) of Contract No. WAS-12-063-AA-RA, Allied Universal Security Services. The purpose of the option is to continue providing protective services for all of DC Water’s facilities and personnel. The option amount is \$5,500,000.

Resolution No. 21-20 – execute Supplemental Agreement No. 2 of Contract No. DCFA #481, Greeley and Hansen/O’Brien & Gere Joint Venture. The purpose of the supplemental agreement is to continue providing engineering services and specialized technical services necessary to develop, manage, and implement capital improvement projects within DC Water sewer service areas. The supplemental agreement amount is \$1,500,000.

Non Joint-Use Contracts

Resolution No. 21-21 – execute Change Order No. 001 of Contract No. 170170, Capitol Paving of DC. The purpose of the change order is to continue executing Public Space restoration until a new contract starts. The change order amount is \$5,500,000.

Resolution No. 21-22 – execute Contract No. 190040, Anchor Construction Corporation. The purpose of the contract is to implement rehabilitation and replacement of pipe segments identified with structural defects to extend the service life of the N Street NW and NE PCCP (Prestressed Concrete Cylinder Pipe) transmission main. The contract amount \$2,913,020.

Resolution No. 21-23 - participate in DDOT’s Pennsylvania Avenue NW Streetscape Project Phase 1 under the Terms of the 2002 MOA between DDOT and DC Water. The purpose of DC Water’s participation is to replace small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues within the District of Columbia in conjunction with DDOT project. The total amount is \$3,500,000.

Presented and Approved: March 4, 2021

SUBJECT: Approval to Execute Funding for Contract No. 18-PR-DFS-29, Clean Team Janitorial Service

**#21-17
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on March 4, 2021 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute funding for Contract No. 18-PR-DFS-29, Clean Team Janitorial Service.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute funding for Contract No. 18-PR-DFS-29, Clean Team Janitorial Service. The purpose of the funding for the contract renewal period is to continue providing janitorial and cleaning services throughout the Authority. The total funding amount is \$900,000.

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 MODIFICATION

**Janitorial Cleaning Service
(Joint Use)**

Approve the funding of the contract renewal period for Janitorial Cleaning Service in the amount of \$900,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Clean Team Janitorial Service 700 12th Street, NW, Suite 700 Washington, DC 20005 LSBE	SUBS: N/A	PARTICIPATION: 100%
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DESCRIPTION AND PURPOSE

Base Period Contract Value:	\$855,608.28
Original Contract Dates:	10-21-2018 – 10-20-2019
No. of Option Years in Contract:	2
Modification 1 Value:	\$0.00
Modification 1 Dates:	10-21-2019 – 12-31-2019
Option Year 1 Value:	\$888,211.67
Option Year 1 Dates:	01-01-2020 – 12-31-2020
Modification 2 Value:	\$271,433.73
Modification 2 Dates:	02-01-2020 – 12-31-2020
Option Year 2 Value:	\$0.00
Option Year 2 Dates:	01-01-2021 – 12-31-2021
Modification 3 Value:	\$900,000.00
Modification 3 Dates:	04-01-2021 – 12-31-2021

Purpose of the Contract:

DC Water’s Department of Facilities Services needs a contract to provide professional janitorial and cleaning services to be performed at multiple facilities throughout the Authority.

Contract Scope:

The contractor shall furnish the management, labor, materials, supplies, and equipment necessary to provide janitorial services for DC Water’s working spaces located at Blue Plains, O Street Pumping Station, Bryant Street, Potomac Interceptor, Reno Pumping Station and DC Water’s Headquarters.

Spending Previous Year:

Cumulative Contract Value:	10-21-2018 to 12-31-2021: \$2,015,253.68
Cumulative Contract Spending:	10-21-2018 to 12-31-2021: \$1,830,668.43

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.

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PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Highest-Ranking Offeror
Commodity:	Janitorial Services	Contract Number:	18-PR-DFS-29
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

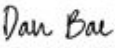
BUDGET INFORMATION

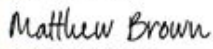
Funding:	Operating	Department:	Facilities Services
Project Area:	DC Water wide	Department Head:	Brent Christ

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	87.73%	\$789,570.00
Washington Suburban Sanitary Commission	9.22%	\$82,980.00
Fairfax County	1.76%	\$15,840.00
Loudoun Water	0.80%	\$7,200.00
Potomac Interceptor	0.49%	\$4,410.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$900,000.00

 / February 4, 2021
 Maureen Holman
 EVP of Administrative Services
 Date

DocuSigned by:
 2/7/2021
 DADBAD42E15A43A /
 Dan Bae
 VP of Procurement and Compliance
 Date

DocuSigned by:
 /
 2A2C5D96CC1C4D3... /
 Matthew T. Brown
 CFO and EVP of Finance and Procurement
 Date

Digitally signed by David Gadis
 DN: cn=David Gadis, o.ou,
 email=David.Gadis@dewater.com, c=US
 Date: 2021.02.23 13:04:06 -05'00'

David Gadis
 David L. Gadis
 CEO and General Manager
 Date

Presented and Approved: March 4, 2021
SUBJECT: Approval to Execute Supplemental Agreement No. 06,
Arcadis District of Columbia, PC

#21-18
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
D.C. WATER AND SEWER AUTHORITY

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on March 4, 2021 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Supplemental Agreement No. 06, Arcadis District of Columbia, PC.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Supplemental Agreement No. 06, Arcadis District of Columbia, PC. The purpose of the supplemental agreement is to continue providing onsite Construction Management Services for the Tunnel Dewatering Pumping Station and Enhanced Clarification Facility. The supplemental agreement amount is \$560,478.

Secretary to the Board of Directors

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

ACTION REQUESTED

ENGINEERING SERVICES:

**Tunnel Dewatering Pump Station and Enhanced Clarification Facility-CM
(Joint Use)**

Approval to execute Supplemental Agreement #06 for \$560,478.00. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Arcadis District of Columbia, PC 7550 Teague Road Suite 210 Hanover, MD 21076 <u>Headquarters</u> Highlands Ranch, CO 80129	Delon Hampton & Associates Washington, DC MBE	3.8%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$ 20,698,656.00
Value of this Supplemental Agreement:	\$ 560,478.00
Cumulative SA Value, including this SA:	\$ 12,440,434.00
Current Contract Value, Including this SA:	\$ 33,139,090.00
Original Contract Time:	1,890 Days (5 Years, 2 Months)
Time extension, this SA:	410 Days
Total SA contract time extension:	1,156 Days (3 Years, 2 Months)
Contract Start Date:	08-28-2013
Contract Completion Date:	12-30-2021

Purpose of the Contract:

To provide onsite Construction Management Services for the Tunnel Dewatering Pump Station and Enhanced Clarification Facility (TDPS-ECF).

Original Contract Scope:

To provide Construction Management and related engineering services for the construction of the Tunnel Dewatering Pump Station and Enhanced Clarification Facility at the District of Columbia's Advanced Wastewater Treatment Plant at Blue Plains.

Previous Supplemental Agreement Scope:

The scope remains the same as the original agreement; to provide Construction Management and related engineering services for construction of the Tunnel Dewatering Pump Station and Enhanced Clarification Facility. Due to Contractor delays, the Construction Management scope was previously extended through November 13, 2020.

Current Supplemental Agreement Scope:

Based on the current Closeout Schedule provided by the Project's Joint Venture (JV) for the construction of the Tunnel Dewatering Pump Station and Enhanced Clarification Facility the Construction Management scope is extended through December 2021. The scope remains the same as the original Contract but limits staffing to correspond with the closeout schedule activities provided by the JV.

Future Supplemental Agreement Scope:

No future supplemental agreement is anticipated at this time.

PROCUREMENT INFORMATION

Contract Type:	Cost Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Services	Contract Number:	DCFA #450-WSA
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Wastewater Engineering
Service Area:	Wastewater	Department Head:	David Parker
Project:	E8		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	41.22%	\$231,029.03
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	45.84%	\$256,923.11
Fairfax County	8.38%	\$ 46,968.06
Loudoun County & Potomac Interceptor	4.56%	\$ 25,557.80
Total Estimated Dollar Amount	100.00%	\$560,478.00

Leonard Benson
 Digitally signed by Leonard Benson
 Date: 2021.02.08 09:24:42 -05'00'

 Leonard R. Benson Date
 SVP, CIP Project Delivery


 Digitally signed by Dan Bae
 DN: C=US, E=dan.bae@dcwater.com,
 O=District of Columbia Water and Sewer
 Authority, OU=VP of Procurement &
 Compliance, CN=Dan Bae
 Date: 2021.02.09 15:32:14 -05'00'

 Dan Bae, VP Date
 Procurement & Compliance

Matthew T. Brown
 Digitally signed by Matthew T. Brown
 Date: 2021.02.12 17:12:57 -05'00'

 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: 2021.02.23 11:25:25 -05'00'

 David L. Gadis Date
 CEO and General Manager

Presented and Approved: March 4, 2021

SUBJECT: Approval to Execute Option Year Eight (8) of Contract No. WAS-12-063-AA-RA, Allied Universal Security Services

**#21-19
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on March 4, 2021 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Option Year Eight (8) of Contract No. WAS-12-063-AA-RA, Allied Universal Security Services.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Option Year Eight (8) of Contract No. WAS-12-063-AA-RA, Allied Universal Security Services. The purpose of the option is to continue providing protective services for all of DC Water's facilities and personnel. The option amount is \$5,500,000.

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 OPTION YEAR
PROTECTIVE SERVICES
(Joint Use)**

Approval to exercise option year 8 for protective services in the amount of \$5,500,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Allied Universal Security Services 1551 N. Tustin Avenue Suite 650 Santa Ana, CA 92705	SUBS: Preeminent Protective Services Inc. 1050 17 th Street, NW, Suite 600 Washington, DC 20036 LSBE	PARTICIPATION: 21.3%
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DESCRIPTION AND PURPOSE

Base Year Contract Value:	\$4,934,348.12
Base Year Contract Date:	12-16-2012 – 12-15-2013
Option Year 1 – Option Year 4 Value:	\$20,143,632.25
Option Year 1 – Option Year 4 Dates:	01-16-2014 – 02-13-2018
Option Year 5 Value:	\$5,847,481.76
Option Year 5 Dates*:	02-14-2018 – 02-13-2019
Option Year 6 Value:	\$5,300,000.00
Option Year 6 Dates:	02-14-2019 – 02-13-2020
Prior Modification Value	\$891,102.47
Prior Modification Dates:	12-16-2020 – 03-13-2020
Option Year 7 Value:	\$5,436,000.00
Option Year 7 Dates:	03-14-2020 – 03-13-2021
Option Year 8 Value:	\$5,500,000.00
Option Year 8 Dates:	03-14-2021 – 03-13-2022

Purpose of the Contract:

The purpose of this contract is to purchase protective services. The contractor, Allied Universal Security, provide protective services for all of DC Water's facilities and personnel.

Contract Scope:

The contract will provide highly trained and reliable commissioned Special Police Officers (SPOs) to safeguard DC Water's property and personnel, to prevent and deter unauthorized access or removal of property, and to assist DC Water in all other security related matters.

***Contract Management:**

During option year 4, DC Water re-solicited this contract, incumbent Allied Universal Security was awarded with the solicitation. It was decided to extend the current contract rather than writing new one.

Spending Previous year:

Cumulative Contract Value:	12-16-2012 to 03-13-2021: \$42,552,564.00
Cumulative Contract Spending:	12-16-2012 to 12-31-2020: \$39,439,844.00

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:	Goods and Services	Award Based On:	Highest Rated Offeror
Commodity:	Security	Contract Number:	WAS-12-063-AA-RA
Contractor Market:	Open Market with Preference Points for Local and Small Businesses		

BUDGET INFORMATION

Funding:	Operating	Department:	Department of Security
Service Area:	Blue Plains AWTP	Department Head:	Ivelisse Cassas

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	87.73%	\$4,825,150.00
Washington Suburban Sanitary Commission	9.22%	\$507,100.00
Fairfax County	1.76%	\$96,800.00
Loudoun County	0.80%	\$44,000.00
Other (PI)	0.49%	\$26,950.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$5,500,000.00

 / February 5, 2021
 Maureen Holman Date
 EVP of Administration

 Digitally signed by Dan Bae
 DN: C=US, E=dan.bae@dcwater.com,
 O=District of Columbia Water and Sewer
 Authority, OU=VP of Procurement &
 Compliance, CN=Dan Bae
 Date: 2021.02.05 11:59:25 -0500
 Dan Bae Date
 VP of Procurement and Compliance

Matthew T. Brown Digitally signed by Matthew T. Brown
 Date: 2021.02.05 15:51:23 -05'00'
 Matthew T. Brown Date
 CFO and EVP of Finance and Procurement

David Gadis Digitally signed by David Gadis
 DN: cn=David Gadis, o.os,
 email=David.Gadis@dcwater.com,
 c=US
 Date: 2021.02.25 13:33:43 -05'00'
 David L. Gadis Date
 CEO and General Manager

Presented and Approved: March 4, 2021

SUBJECT: Approval to Execute Supplemental Agreement No. 2 of Contract No. DCFA #481, Greeley and Hansen/O'Brien & Gere Joint Venture

**#21-20
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on March 4, 2021 upon consideration of a joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Supplemental Agreement No. 2 of Contract No. DCFA #481, Greeley and Hansen/O'Brien & Gere Joint Venture.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Supplemental Agreement No. 2 of Contract No. DCFA #481, Greeley and Hansen/O'Brien & Gere Joint Venture. The purpose of the supplemental agreement is to continue providing engineering services and specialized technical services necessary to develop, manage, and implement capital improvement projects within DC Water sewer service areas. The supplemental agreement amount is \$1,500,000.

Secretary to the Board of Directors

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

ACTION REQUESTED

**ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT:
Project Delivery Services for Sewer Service Areas
(Joint Use)**

Approval to execute Supplemental Agreement No. 2 for \$1,500,000. The modification exceeds the the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Greeley and Hansen/ O'Brien & Gere Joint Venture 5301 Shawnee Road, Suite 400 Alexandria, VA 22312	Arthur Engineering Sparks, MD	MBE 11.0%
	Delon Hampton & Associates Silver Spring, MD	MBE 11.0%
	CCJM Washington, DC	MBE 5.0%
	SaLut - TLB Glen Burnie, MD	MBE 3.0%
	LimnoTech International LLC Washington, DC	Non-MBE/WBE 1.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$20,000,000.00
Value of this Supplemental Agreement:	\$1,500,000.00
Cumulative SA Value, including this SA:	\$1,500,000.00
Current Contract Value, Including this SA:	\$21,500,000.00
Original Contract Time:	1,825 Days (5 Years, 0 Months)
Time extension, this SA:	730 Days
Total SA contract time extension:	730 Days (2 Years, 0 Months)
Contract Start Date:	01-09-2017
Contract Completion Date:	01-08-2024

Purpose of the Contract:

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

Original Contract Scope:

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

Previous Supplemental Agreement Scope:

- Administrative changes specifically to the Agreement Terms and Conditions applied to the Task Order #7 LZ09 Potomac Interceptor Phase 6 Pipe Rehabilitation at Clara Barton Highway and Interstate I-495.

Current Supplemental Agreement Scope:

- To continue providing engineering services and specialized technical services necessary to develop, manage, and implement capital improvement projects within DC Water sewer service areas. Tasks under this include:

Integrated Flood Study, Evaluation of 9/10 Flooding and Nicholson SSES:

Best practices from other programs throughout the world will be identified to develop DC Water's Flood Management Program. Work under this task includes: Holding workshops with internal stakeholders to develop program fundamentals; program management; planning and strategy development; engineering studies; operation response evaluation; and review of regulatory guidelines and identify possible funding sources and/or partnership opportunities. Also, this task includes the review of customer calls related to the September 10, 2020 flooding; evaluation of the effectiveness of the backwater valve program; and conducting limited sewer system evaluation study in Nicholson Street as part of the recommended solutions in leveraging existing programs and infrastructure solutions identified in the After Action Report – September 10, 2020 Flashflood.

HH05 Additional Main & O Paving/Access Roads:

The purpose of this task is to develop design documents for the construction of the 38-ft wide O St SE roadway from First St SE to the western boundary of DC Water Main and O Street Campus as part of the agreement between the District and the private developer. The scope also includes permitting services; environmental services; engineering services during construction, and other related tasks.

Future Supplemental Agreement Scope:

No future supplemental agreement is anticipated at this time.

PROCUREMENT INFORMATION

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

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Sanitary Sewer, Combined Sewer & Stormwater	Department Head:	Craig Fricke
Project:	AU, AV, AT, HH		

ESTIMATED USER SHARE INFORMATION

User	*Share %	Dollar Amount
District of Columbia	100.00%	\$1,500,000.00
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$1,500,000.00

*Under the terms of the IMA, the capital costs associated with each joint facility are to be split among the users in proportion to the peak flow each user is allocated. It is not possible, at this time, to allocate costs by individual facility. It is anticipated that as projects are developed for work associated with specific facilities and costs are developed, the individual users will be notified and billed accordingly.

Leonard Benson Digitally signed by Leonard Benson
Date: 2021.02.08 09:25:24 -05'00'

Leonard R. Benson Date
SVP, CIP Project Delivery

Matthew T. Brown Digitally signed by Matthew T. Brown
Date: 2021.02.12 12:54:10 -05'00'

Matthew T. Brown Date
CFO and EVP
Finance & Procurement

 Digitally signed by Dan Bae
DN: c=US, e=dan.bae@dcwater.com, o=District of Columbia Water and Sewer Authority, ou=VP of Procurement & Compliance, CN=Dan Bae, Date: 2021.02.09 15:31:29 -05'00'

Dan Bae, VP Date
Procurement & Compliance

David Gadis Digitally signed by David Gadis
DN: cn=David Gadis, o, ou, email=David.Gadis@dcwater.com, c=US
Date: 2021.02.23 13:31:48 -05'00'

David L. Gadis Date
CEO & General Manager

Presented and Adopted: March 4, 2021

Subject: Authorizing the Execution and Delivery of the First Amendment to the Master Letter of Credit Agreement with TD Bank, N.A for the Authority's ROCIP and the Twenty-Eighth Supplemental Indenture of Trust which extends the security of the Indenture to the Master Letter of Credit Agreement

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

The members of the Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("Authority"), at the Board meeting held on March 4, 2021, upon consideration of a joint use matter, decided by a vote of ____ (__) in favor and ____ (__) opposed, to authorize and approve the Master Letter of Credit Agreement, as amended ("Master Letter of Credit Agreement"), with TD Bank N.A. supporting the Authority's Rolling Owner Controlled Insurance Program ("ROCIP") and the Twenty-Eighth Supplemental Indenture of Trust ("Twenty-Eighth Supplemental Indenture") pursuant to which the Authority's Reimbursement Obligations (as such term is defined in the Twenty-Eighth Supplemental Indenture) under the Master Letter of Credit Agreement, as amended, are designated as Subordinate Debt for purposes of the Indenture (as defined below), on the following terms and details. Unless otherwise defined herein and unless the context indicates otherwise, the terms used herein and defined in the Indenture (including the Twenty-Eighth Supplemental Indenture as hereby approved) shall have the meanings assigned to them therein.

WHEREAS, in accordance with the *Water and Sewer Authority Establishment and Department of Public Works Reorganization Act of 1996*, as amended, codified at D.C. Code Section 34-2201.01 *et seq.* (the "WASA Act"), the Authority and Wells Fargo Bank, National Association, as trustee (the "Trustee") (its predecessors in that capacity having been Norwest Bank Minnesota, N.A. and Wells Fargo Bank Minnesota, N.A.), entered into the Master Indenture of Trust, dated as of April 1, 1998 (the "Master Indenture" and, as supplemented and amended, the "Indenture"); and

WHEREAS, the Amended and Restated Master Letter of Credit Agreement, dated as of March 28, 2014, between the Authority and TD Bank, N.A. supports the Authority's ROCIP; and

WHEREAS, the Authority wishes to clarify the treatment of its Reimbursement Obligations under the Master Letter of Credit Agreement for purposes of the Indenture; and

WHEREAS, the Authority now intends to enter into (i) the First Amendment to the Master Letter of Credit Agreement, and (ii) the Twenty-Eighth Supplemental Indenture pursuant to which the Authority's Reimbursement Obligations under the Master Letter of Credit

Agreement, as amended, shall be treated as Subordinate Debt for purposes of the Indenture; and

WHEREAS, there have been presented at this meeting drafts of the substantially final forms of the following documents that the Authority proposes to execute to carry out the transactions described above, copies of which documents shall be filed with the records of the Authority:

(a) the First Amendment to the Master Letter of Credit Agreement between the Authority and TD Bank, N.A., dated as of March 5, 2021, or such other date as authorized by an Authorized Official; and

(b) the Twenty-Eighth Supplemental Indenture of Trust between the Authority and the Trustee, dated as of March 5, 2021, or such other date as authorized by an Authorized Official; and

WHEREAS, the Finance and Budget Committee met on March 3, 2021, to review the First Amendment to the Master Letter of Credit Agreement and the Twenty-Eighth Supplemental Indenture and has recommended approval of this Resolution by the Board.

NOW, THEREFORE BE IT RESOLVED THAT:

1. The Chairman of the Board (the "Chairman"), the CEO and General Manager, Chief Financial Officer and Executive Vice President, Finance and Procurement, Controller, Budget Director, Finance Director and Rates and Revenue Director of the Authority (the "Authorized Officials"), including any of the foregoing who are in an interim, acting or similar capacity; provided, that any official other than the Chairman shall be designated by the Chairman as his designee for the purpose of executing and delivering any document authorized hereunder, are individually authorized to execute the First Amendment to the Master Letter of Credit Agreement and the Twenty-Eighth Supplemental Indenture, and the Secretary or Assistant Secretary is authorized and directed to affix the Seal of the Authority on such documents as required and to attest to the same.

2. The First Amendment to the Master Letter of Credit Agreement and the Twenty-Eighth Supplemental Indenture shall be in substantially the forms submitted to the Board at this meeting, which hereby are approved, with such completions, omissions, insertions and changes as otherwise may be approved by the persons executing them, their execution to constitute conclusive evidence of their approval of any such completions, omissions, insertions and changes.

3. The Authorized Officials are, and each of them is, authorized and directed, in their official capacities, to execute and deliver to such certificates, documents and instruments required by First Amendment to the Master Letter of Credit Agreement to be executed on behalf of the Authority and to do all other things required of them or the Authority pursuant

to the Master Letter of Credit Agreement, as amended, the Indenture, the Twenty-Eighth Supplemental Indenture and this Resolution.

4. The maximum aggregate amount of the letters of credit issued and outstanding in support of the Authority's ROCIP shall not exceed twenty-five million dollars (\$25,000,000.00) at any one time.
5. This Resolution is effective immediately.

Secretary to the Board of Directors

Penn/SPB Draft: 3/2/21

TWENTY-EIGHTH SUPPLEMENTAL INDENTURE OF TRUST

between

**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**

and

**WELLS FARGO BANK, N.A.
AS TRUSTEE**

Dated as of March __, 2021

THIS TWENTY-EIGHTH SUPPLEMENTAL INDENTURE OF TRUST dated as of the ___ day of March, 2021, (the “**Twenty-Eighth Supplemental Indenture**”), by and between the District of Columbia Water and Sewer Authority (the “**Authority**”), an independent authority of the District of Columbia (the “**District**”), and Wells Fargo Bank, N.A., a national banking association, having a corporate trust office in Philadelphia, Pennsylvania, as trustee (in such capacity, together with any successor in such capacity, herein called the “**Trustee**”), provides:

WHEREAS, the Authority and the Trustee (its predecessor in that capacity having been Norwest Bank, N.A.) entered into the Master Indenture of Trust, dated as of April 1, 1998 (the “**Master Indenture**” and, as previously supplemented and amended by the First Supplemental Indenture, the Second Supplemental Indenture, the Third Supplemental Indenture, the Fourth Supplemental Indenture, the Fifth Supplemental Indenture, the Sixth Supplemental Indenture, the Seventh Supplemental Indenture, the Eighth Supplemental Indenture, the Ninth Supplemental Indenture, the Tenth Supplemental Indenture, the Eleventh Supplemental Indenture, the Twelfth Supplemental Indenture, the Thirteenth Supplemental Indenture, the Fourteenth Supplemental Indenture, the Fifteenth Supplemental Indenture, the Sixteenth Supplemental Indenture, the Seventeenth Supplemental Indenture, the Eighteenth Supplemental Indenture, the Nineteenth Supplemental Indenture, the Twentieth Supplemental Indenture, the Twenty-First Supplemental Indenture, the Twenty-Second Supplemental Indenture, the Twenty-Third Supplemental Indenture, the Twenty-Fourth Supplemental Indenture, the Twenty-Fifth Supplemental Indenture, the Twenty-Sixth Supplemental Indenture and the Twenty-Seventh Supplemental Indenture all as hereinafter defined, and as it may further be supplemented and amended in accordance with its terms, the “**Indenture**”), to provide for financing or refinancing the acquisition, construction, operation, maintenance and extension of the System (as defined in the Master Indenture) by the issuance of bonds, notes and other obligations payable solely from Net Revenues (as defined in the Master Indenture); and

WHEREAS, pursuant to the First Supplemental Indenture of Trust, dated as of April 1, 1998 (the “**First Supplemental Indenture**”), between the Authority and the Trustee, the Authority issued its Public Utility Revenue Bonds, Series 1998 (the “**Series 1998 Senior Lien Bonds**”) in the aggregate principal amount of \$266,120,000, to finance Costs of the System (as defined in the Master Indenture) and to refund then outstanding debt of the Authority; and

WHEREAS, the Master Indenture permits the Authority, for certain purposes and subject to certain conditions, to issue Other System Indebtedness (as defined therein) secured on a parity with the Series 1998 Senior Lien Bonds and referred to collectively with the Series 1998 Senior Lien Bonds as “Senior Debt,” and also permits the Authority to issue Subordinate Debt (as defined therein), to which it has pledged to its payment Net Revenues, as a subordinate lien pledge after the pledge of Net Revenues to Senior Debt; and

WHEREAS, pursuant to the Second Supplemental Indenture of Trust, dated as of November 1, 2001 (the “**Second Supplemental Indenture**”), between the Authority and the Trustee, the Authority amended and supplemented the Master Indenture in accordance with its terms to clarify provisions thereof related to certain forms of Indebtedness (as defined in the Master Indenture, i.e., Senior Debt and Subordinate Debt) and thereby facilitate the issuance of such forms of Indebtedness; and

WHEREAS, pursuant to the Third Supplemental Indenture of Trust, dated as of November 1, 2001 (the “**Third Supplemental Indenture**”), between the Authority and the Trustee, the Authority (i) issued its Commercial Paper Notes defined therein as the Series A-B Notes (the “**Series 2001A-B Notes**”), (ii) designated the Series A-B Notes as Subordinate Debt for purposes of the Indenture, and (iii) made provision for the securing of the Series A-B Notes and of the Reimbursement Obligations to the Bank that provided the Letters of Credit (all as defined therein) that secure the Series A-B Notes; and

WHEREAS, pursuant to the Fourth Supplemental Indenture of Trust, dated August 12, 2003 (the “**Fourth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinated Lien Revenue Bonds, Series 2003, dated August 12, 2003 (the “**Series 2003 Subordinated Bonds**”), in the aggregate principal amount of \$176,220,000 to finance certain Costs of the System and retire the Series 2001A-B Notes (ii) designated the Series 2003 Subordinated Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2003 Subordinated Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Fifth Supplemental Indenture of Trust, dated August 3, 2004 (the “**Fifth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinated Lien Revenue Bonds, Series 2004, as Subseries 2004A-1, Subseries 2004A-2, Subseries 2004B-1 and Subseries B-2 (collectively, the “**Series 2004 Subordinated Bonds**”) in the aggregate principal amount of \$295,000,000 to finance certain Costs of the System, (ii) designated the Series 2004 Subordinated Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2004 Subordinated Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Sixth Supplemental Indenture of Trust, dated June 6, 2007 (the “**Sixth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinated Lien Revenue Bonds, Series 2007A (the “**Series 2007A Subordinated Bonds**”), in the aggregate principal amount of \$218,715,000 to finance certain Costs of the System and retire the Series 2001A-B Notes, (ii) designated the Series 2007A Subordinated Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2007A Subordinated Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Seventh Supplemental Indenture of Trust, dated June 6, 2007 (the “**Seventh Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinated Lien Taxable Revenue Bonds, Series 2007B (the “**Series 2007B Subordinated Bonds**”), in the aggregate principal amount of \$59,000,000 to finance certain Costs of the System, (ii) designated the Series 2007B Subordinated Bonds as

Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2007B Subordinated Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Eighth Supplemental Indenture of Trust, dated April 24, 2008 (the “**Eighth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinated Lien Revenue Refunding Bonds, Series 2008 (the “**Series 2008 Subordinated Bonds**”), in the aggregate principal amount of \$290,375,000 to (a) currently refund all of the outstanding Series 2004 Subordinated Bonds and a portion of the Series 2007B Subordinated Bonds, and (b) pay issuance costs of the Series 2008 Subordinated Bonds, (ii) designated the Series 2008 Subordinated Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2008 Subordinated Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Ninth Supplemental Indenture of Trust, dated December 19, 2008 (the “**Ninth Supplemental Indenture**”), between the Authority and the Trustee, the Authority agreed to confer on the Holders of the Series 2003 Subordinated Bonds additional rights related to the Reserve Credit Facility (as defined therein) and to cure any ambiguity or omission in the Indenture regarding the obligations of the Authority as a consequence of a downgrade of the Reserve Policy related to the Series 2003 Subordinated Bonds, or in the event that the Reserve Policy were to cease to be in effect; and

WHEREAS, pursuant to the Tenth Supplemental Indenture of Trust, dated February 12, 2009 (the “**Tenth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Senior Lien Revenue Bonds, Series 2009A (the “**Series 2009A Senior Lien Bonds**”), in the aggregate principal amount of \$300,000,000 to finance certain Costs of the System and retire Series 2001A-B Notes, (ii) designated the Series 2009A Senior Lien Bonds as Senior Debt for purposes of the Indenture, and (iii) secured the Series 2009A Senior Lien Bonds by a pledge of Net Revenues on a parity with the pledge of Net Revenues that secures other Senior Debt, including, without limitation, other Senior Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Eleventh Supplemental Indenture of Trust, dated June 2, 2010, as supplemented and amended by the First Amendment to Eleventh Supplemental Indenture of Trust, dated April 5, 2013, and by the Second Amendment to Eleventh Supplemental Indenture of Trust, dated May 18, 2015 (together, the “**Eleventh Supplemental Indenture**”), each between the Authority and the Trustee, the Authority: (i) authorized the issuance of its (a) Commercial Paper Notes, Series A (the “**2010 Series A Notes**”) in the aggregate principal amount of \$0 to finance certain Costs of the System, (b) Commercial Paper Notes, Series B (the “**2010 Series B Notes**”) in the aggregate principal amount of \$100,000,000 to finance certain Costs of the System, and (c) Commercial Paper Notes, Series C (the “**2010 Series C Notes**”) and, together with the 2010 Series A Notes and the 2010 Series B Note, the

“**Series 2010 Notes**”) in the aggregate principal amount of \$50,000,000 to finance certain Costs of the System, (ii) designated the Series 2010 Notes as Subordinate Debt for purposes of the Indenture, and (iii) made provision for the securing of the Series 2010 Notes and of the Authority’s reimbursement obligations to the Bank (as defined in the Eleventh Supplemental Indenture) that provided the Substitute Letters of Credit (as defined in the Eleventh Supplemental Indenture) that secure the Series 2010 Notes; and

WHEREAS, pursuant to the Twelfth Supplemental Indenture of Trust, dated October 27, 2010 (the “**Twelfth Supplemental Indenture**”), between the Authority and the Trustee, the Authority (i) issued its Public Utility Subordinate Lien Revenue Bonds, Series 2010A (Federally Taxable – Issuer Subsidy – Build America Bonds) (the “**Series 2010A Subordinated Bonds**”) in the aggregate principal amount of \$300,000,000 to finance certain Costs of the System and fund capitalized interest on a portion of the Series 2010A Subordinate Bonds, subject to specified limitations, (ii) designated the Series 2010A Subordinate Bonds as Subordinate Debt for purposes of the Indenture, (iii) secured the Series 2010A Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future, and (iv) included provisions in the Indenture related to potential Direct Payments (as defined therein) received or expected to be received by the Authority, including certain provisions requiring the consent of the holders of a majority of Outstanding Bonds; and

WHEREAS, pursuant to the Thirteenth Supplemental Indenture of Trust, dated March 22, 2012 (the “**Thirteenth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i)(a) issued its Public Utility Subordinate Lien Revenue Bonds, Series 2012A (the “**Series 2012A Subordinate Bonds**”) in the aggregate principal of \$177,430,000 to finance certain Costs of the System and pay certain costs of issuance, (b) designated the Series 2012A Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (c) secured the Series 2012A Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future, (ii)(a) issued its Public Utility Subordinate Lien Multimodal Revenue Bonds, Series 2012B (the “**Series 2012B Subordinate Bonds**”) in the aggregate principal amount of \$100,000,000 to finance certain Costs of the System, fund capitalized interest on a portion of the Series 2012B Subordinate Bonds subject to specified limitations, and pay certain costs of issuance, (b) designated the Series 2012B Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (c) secured the Series 2012B Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future, and (iii)(a) issued its Public Utility Subordinate Lien Revenue Refunding Bonds, Series 2012C (the “**Series 2012C Subordinate Bonds**”) in the aggregate principal amount of \$163,215,000, and applied the proceeds thereof, together with any other funds of the Authority, to advance refund the Series 2003 Subordinated Bonds and caused them to be deemed paid and no longer Outstanding for purposes of the Indenture, and paid certain costs of issuance, (b) designated the Series 2012C Subordinate Bonds as Subordinate

Debt for purposes of the Indenture, and (c) secured the Series 2012C Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Fourteenth Supplemental Indenture of Trust, dated as of August 1, 2013 (the “**Fourteenth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinate Lien Revenue Bonds, Series 2013A in the aggregate principal amount of \$300,000,000 (the “**Series 2013A Subordinate Bonds**”) to finance certain Costs of the System and pay certain costs of issuance, (ii) designated the Series 2013A Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2013A Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Fifteenth Supplemental Indenture of Trust, dated July 23, 2014 (the “**Fifteenth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Senior Lien Revenue Bonds, Series 2014A (Federally Taxable) (Green Bonds) in the aggregate principal amount of \$350,000,000 (the “**Series 2014A Senior Lien Bonds**”) to finance certain Costs of the System and pay certain costs of issuance, (ii) designated the Series 2014A Senior Lien Bonds as Senior Debt for purposes of the Indenture, and (iii) secured the Series 2014A Senior Lien Bonds by a pledge of Net Revenues on a parity with the pledge of Net Revenues that secures other Senior Debt, including, without limitation, other Senior Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Sixteenth Supplemental Indenture of Trust, dated July 23, 2014 (the “**Sixteenth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinate Lien Multimodal Revenue Bonds, Series 2014B, in the aggregate principal amount of \$100,000,000 (the “**Series 2014B Subordinate Bonds**”) to finance certain Costs of the System and pay certain costs of issuance, (ii) designated the Series 2014B Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2014B Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Seventeenth Supplemental Indenture of Trust, dated November 20, 2014 (the “**Seventeenth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinate Lien Revenue Refunding Bonds, Series 2014C, in the aggregate principal amount of \$377,700,000 (the “**Series 2014C Subordinate Bonds**”) to (a) advance refund all or a portion of the Authority’s outstanding Series 2007A Subordinated Bonds, the Series 2008A Subordinated Bonds, and the Series 2009A Senior Lien Bonds, and current refund all of the Authority’s outstanding Subseries 2012B-1 of the Series 2012 Subordinate Bonds, and (b) pay issuance costs of the Series 2014C Subordinate

Bonds, (ii) designated the Series 2014C Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2014C Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Eighteenth Supplemental Indenture of Trust, dated October 15, 2015 (the “**Eighteenth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinate Lien Revenue Bonds, Series 2015A in the aggregate principal amount of \$100,000,000 (the “**Series 2015A Subordinate Bonds**”) to (a) finance certain Costs of the System, and (b) pay issuance costs of the Series 2015A Subordinate Bonds, (ii) designated the Series 2015A Subordinate Bonds as Subordinate Debt for purposes of the Indenture, (iii) secured the Series 2015A Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future, (iv) issued its Public Utility Subordinate Lien Revenue Bonds, Series 2015B in an aggregate principal amount of \$250,000,000 (the “**Series 2015B Subordinate Bonds**” and, together with the Series 2015A Subordinate Bonds, the “**Series 2015A/B Subordinate Bonds**”) to (a) finance certain Costs of the System, and (b) pay issuance costs of the Series 2015B Subordinate Bonds, (v) designated the Series 2015B Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (vi) secured the Series 2015B Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Nineteenth Supplemental Indenture of Trust, dated December 1, 2015 (the “**Nineteenth Supplemental Indenture**”) between the Trustee and the Authority, the Authority authorized (i) the issuance of its Extendable Municipal Commercial Paper Notes, Series A (the “**Series A EMCP Notes**”) in the aggregate principal amount of not to exceed \$100,000,000 outstanding at any time to finance certain Costs of the System, (ii) designated the Series A EMCP Notes as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series A EMCP Notes by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Twentieth Supplemental Indenture of Trust, dated February 24, 2016 (the “**Twentieth Supplemental Indenture**”) between the Trustee and the Authority, the Authority (i) issued its Public Utility Subordinate Lien Revenue Refunding Bonds, Series 2016A in the aggregate principal amount of \$389,110,000 (the “**Series 2016A Subordinate Bonds**”) to (a) refund all or a portion of the Authority’s outstanding Series 2007A Subordinated Bonds, Series 2008A Subordinated Bonds, and Series 2009A Senior Lien Bonds, and (b) pay issuance costs of the Series 2016A Subordinate Bonds, (ii) designated the Series 2016A Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured

the Series 2016A Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Twenty-First Supplemental Indenture of Trust, dated September 29, 2016 (the “**Twenty-First Supplemental Indenture**”) between the Trustee and the Authority, the Authority (i) issued its Public Utility Subordinate Lien Revenue Bonds, Series 2016B (Environmental Impact Bonds) in the aggregate principal amount of \$25,000,000 (the “**Series 2016B Subordinate Bonds**”) to (a) finance certain Costs of the System (specifically, a portion of the costs of the Authority’s DC Clean Rivers Project); and (b) pay certain costs of issuance, (ii) designated the Series 2016B Subordinate Bonds as Subordinate Debt, as Variable Rate Indebtedness and as Tender Indebtedness for purposes of the Indenture, and (iii) secured the Series 2016B Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Twenty-Second Supplemental Indenture of Trust, dated February 23, 2017 (the “**Twenty-Second Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Senior Lien Revenue Bonds, Series 2017A in the aggregate principal amount of \$100,000,000 (the “**Series 2017A Senior Lien Bonds**”) to (a) finance certain Costs of the System (specifically, a portion of the costs of the Authority’s DC Clean Rivers Project), and (b) pay issuance costs of the Series 2017A Senior Lien Bonds, (ii) designated the Series 2017A Senior Lien Bonds as Senior Debt for purposes of the Indenture, (iii) secured the Series 2017A Senior Lien Bonds by a pledge of Net Revenues on a parity with the pledge of Net Revenues that secures other Senior Debt, including, without limitation, other Senior Debt that the Authority may issue from time to time in the future, (iv) issued its Public Utility Senior Lien Revenue Bonds, Series 2017B in an aggregate principal amount of \$200,000,000 (the “**Series 2017B Senior Lien Bonds**” and, together with the Series 2017A Senior Lien Bonds, the “**Series 2017A/B Senior Lien Bonds**”) to (a) finance certain Costs of the System, and (b) pay issuance costs of the Series 2017B Senior Lien Bonds, (v) designated the Series 2017B Senior Lien Bonds as Senior Debt for purposes of the Indenture, and (vi) secured the Series 2017B Senior Lien Bonds by a pledge of Net Revenues on a parity with the pledge of Net Revenues that secures other Senior Debt, including, without limitation, other Senior Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Twenty-Third Supplemental Indenture of Trust, dated April 30, 2018 (the “**Twenty-Third Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinate Lien Revenue Bonds, Series 2018A in the aggregate principal amount of \$100,000,000 (the “**Series 2018A Senior Lien Bonds**”) to (a) finance certain Costs of the System (specifically, a portion of the costs of the Authority’s DC Clean Rivers Project), and (b) pay issuance costs of the Series 2018A Senior Lien Bonds, (ii) designated the Series 2018A Senior Lien Bonds as Senior Debt for purposes of the Indenture, (iii) secured the Series 2018A Senior Lien Bonds by a pledge of Net Revenues on a parity with the pledge of Net Revenues that secures other Senior Debt, including, without

limitation, other Senior Debt that the Authority may issue from time to time in the future, (iv) issued its Public Utility Senior Lien Revenue Bonds, Series 2018B in an aggregate principal amount of \$200,000,000 (the “**Series 2018B Senior Lien Bonds**” and, together with the Series 2018A Senior Lien Bonds, the “**Series 2018A/B Senior Lien Bonds**”) to (a) finance certain Costs of the System, (b) pay issuance costs of the Series 2018B Senior Lien Bonds and (c) refund all of the Authority’s then outstanding Commercial Paper Notes, Series B, (v) designated the Series 2018B Senior Lien Bonds as Senior Debt for purposes of the Indenture, and (vi) secured the Series 2018B Senior Lien Bonds by a pledge of Net Revenues on a parity with the pledge of Net Revenues that secures other Senior Debt, including, without limitation, other Senior Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Twenty-Fourth Supplemental Indenture of Trust, dated November 6, 2019 (the “**Twenty-Fourth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i)(a) issued its Public Utility Subordinate Lien Revenue Bonds, Series 2019A (Green Bonds) (the “**Series 2019A Subordinate Bonds**”) in the aggregate principal amount of \$104,010,000 to (1) finance certain Costs of the System (specifically, a portion of the costs of the Authority’s DC Clean Rivers Project), and (2) pay issuance costs of the Series 2019A Subordinate Bonds, (b) designated the Series 2019A Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2019A Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future, and (ii)(a) issued its Public Utility Subordinate Revenue Bonds, Series 2019B (the “**Series 2019B Subordinate Bonds**” and, together with the Series 2019A Subordinate Bonds, the “**Series 2019A/B Subordinate Bonds**”) in an aggregate principal amount of \$58,320,000 to (1) finance certain Costs of the System, and (2) pay issuance costs of the Series 2019B Subordinate Bonds, (b) designated the Series 2019B Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2019B Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Twenty-Fifth Supplemental Indenture of Trust, dated November 6, 2019 (the “**Twenty-Fifth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (a) issued its Public Utility Subordinate Lien Multimodal Revenue Bonds, Series 2019C (the “**Series 2019C Subordinate Bonds**”) in the aggregate principal amount of \$99,505,000 to (1) finance certain Costs of the System, and (2) pay issuance costs of the Series 2019C Subordinate Bonds, (b) designated the Series 2019C Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2019C Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Twenty-Sixth Supplemental Indenture of Trust, dated November 6, 2019 (the “**Twenty-Sixth Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) issued its Public Utility Subordinate Lien Revenue Refunding Bonds, Series 2019D (Federally Taxable) (the “**Series 2019D Subordinate Bonds**”) in the aggregate principal amount of \$343,160,000 to (a) refund all or a portion of the Authority’s outstanding Series 2013A Subordinated Bonds, and (b) pay issuance costs of the Series 2019D Subordinate Bonds, (ii) designated the Series 2019D Subordinate Bonds as Subordinate Debt for purposes of the Indenture, and (iii) secured the Series 2019D Subordinate Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, pursuant to the Twenty-Seventh Supplemental Indenture of Trust, dated April 8, 2020 (the “**Twenty-Seventh Supplemental Indenture**”), between the Authority and the Trustee, the Authority: (i) entered into the 2020 Term Loan Agreement in connection with the Public Utility Subordinate Lien Revenue Refunding Bonds, Series 2022 (the “**Series 2022A Subordinate Lien Refunding Bonds**”), (ii) issued its Series 2022A Subordinate Lien Refunding Bonds in the aggregate principal amount of \$294,305,000 to (a)(I) refund all of its outstanding Series 2012A Subordinate Bonds and Series 2012C Subordinate Bonds; and (II) pay certain costs of issuance, (iii) designated the Series 2022A Subordinate Lien Refunding Bonds as Subordinate Debt for purposes of the Indenture, and (iv) secured the Series 2022A Subordinate Lien Refunding Bonds by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future; and

WHEREAS, the Authority intends to enter into a revised Master Letter of Credit Agreement with the Bank to provide letters of credit for the benefit of the Authority’s Rolling Owner Controlled Insurance Program, in an aggregate maximum amount at any one time outstanding of \$25,000,000 and secure the Reimbursement Obligations (as defined herein) by a pledge of Net Revenues subordinate to the pledge of Net Revenues that secures Senior Debt and on a parity with the pledge of Net Revenues that secures other Subordinate Debt, including, without limitation, other Subordinate Debt that the Authority may issue from time to time in the future.

NOW THEREFORE, in consideration of the premises and the mutual covenants and agreements hereinafter contained, the parties hereto agree as follows:

ARTICLE I
TWENTY-EIGHTH SUPPLEMENTAL INDENTURE

Section 101. Authorization of Twenty-Eighth Supplemental Indenture.

This Twenty-Eighth Supplemental Indenture is authorized and executed by the Authority and delivered to the Trustee pursuant to and in accordance with Articles III and X of the Master Indenture of Trust. All terms, covenants, conditions and agreements of the Indenture shall apply

with full force and effect to the Reimbursement Obligations and the Bank, except as otherwise provided in this Twenty-Eighth Supplemental Indenture.

Section 102. Definitions.

Except as otherwise defined in this Twenty-Eighth Supplemental Indenture, terms defined in the Indenture are used in this Twenty-Eighth Supplemental Indenture with the meanings assigned to them in the Indenture. In addition, the following words as used in this Twenty-Eighth Supplemental Indenture and in the Indenture have the following meanings unless a different meaning clearly appears from the context:

“2021 Master Letter of Credit Agreement Subordinate Principal Subaccount” shall mean the 2021 Master Letter of Credit Agreement Subordinate Principal Subaccount established in Section 201(a) of this Twenty-Eighth Supplemental Indenture in the Subordinate Interest Account in the Subordinate Bond Fund.

“Bank” shall initially mean TD Bank, N.A. and its successors and assigns, and any other bank as authorized by an Authorized Official.

“Business Day” means any day other than (i) a Saturday or Sunday or a day on which institutions are authorized or required by law or executive order to be closed in the State of New York or the District of Columbia for commercial banking purposes; (ii) a day on which the New York Stock Exchange is authorized or required by law or executive order to be closed; and (iii) a day upon which commercial banks are authorized or required by law or executive order to be closed in the cities and states in which demands for payment may be presented under any Letter of Credit.

“Indenture” shall mean the Master Indenture as supplemented and amended from time to time.

“Letter of Credit” means any Letter of Credit issued under the Master Letter of Credit Agreement issued by the Bank.

“Master Letter of Credit Agreement” shall mean that certain Amended and Restated Master Letter of Credit Agreement, dated as of March 28, 2014, between the Authority and the Bank, as may be amended or supplemented from time to time, including that certain First Amendment thereto dated March __, 2021.

“Reimbursement Obligations” shall mean any and all obligations of the Authority to reimburse the Bank for any Drawings under any Letter of Credit and all obligations to repay the Bank for any advance, including in each instance all interest accrued thereon.

“Twenty-Eighth Supplemental Indenture” shall mean this Twenty-Eighth Supplemental Indenture of Trust, dated as of March __, 2021, between the Authority and the Trustee, which supplements and amends the Master Indenture of Trust, as this Twenty-Eighth Supplemental Indenture may be supplemented and amended.

Section 103. Reference to Articles and Sections.

Unless otherwise indicated, all references herein to particular articles or sections are references to articles or sections of this Twenty-Eighth Supplemental Indenture.

ARTICLE II FUNDS AND ACCOUNTS

Section 201. 2021 Master Letter of Credit Agreement Subordinate Principal Subaccount.

(a) With the Subordinate Principal Account there shall be established a “2021 Master Letter of Credit Agreement Subordinate Principal Subaccount” within the Subordinate Bond Fund.

(b) In accordance with Section 604(e) of the Master Indenture, Net Revenues shall be deposited in the 2021 Master Letter of Credit Agreement Subordinate Principal Subaccount on the last Business Day of the month following notification by the Bank to the Trustee, copying the Authority, that Reimbursement Obligations are due and payable, in an amount equal to any such amounts that are due and payable with respect to the Reimbursement Obligations.

(c) Such payments made pursuant to this Section 201 shall be made to the Bank pursuant to the terms of a certificate signed by a duly Authorized Representative of the Authority which shall set forth the amounts that are due with respect to the Reimbursement Obligations, and the dates for payment thereof.

ARTICLE III SECURITY FOR REIMBURSEMENT OBLIGATIONS

Section 301. Security for Reimbursement Obligations.

The Reimbursement Obligations constitute Subordinate Debt under the terms and provisions of the Master Indenture, and as such, are entitled to the security and repayment provisions thereof, as limited therein, as set forth in the granting clauses and Section 305 thereof. The Reimbursement Obligations shall be equally and ratably secured under the Indenture with any other Subordinate Debt issued pursuant to Article III of the Master Indenture of Trust, without preference, priority or distinction of any Subordinate Debt over any other Subordinate Debt, as provided in the Indenture.

ARTICLE IV LETTERS OF CREDIT

Section 401. Requirements of the Bank.

The Indenture shall not be discharged unless all Reimbursement Obligations due to the Bank have been paid in full or duly provided for. Notwithstanding the last paragraph of Section 906 and Section 610 of the Indenture, no moneys may be transferred to the Authority from the 2021 Master Letter of Credit Agreement Subordinate Principal Subaccount until such times as all the amounts described in the immediately preceding sentence have been paid to the Bank.

**ARTICLE V
MISCELLANEOUS**

Section 501. Limitation of Rights.

With the exception of rights herein expressly conferred, nothing expressed or mentioned in or to be implied from this Twenty-Eighth Supplemental Indenture or the Master Letter of Credit Agreement is intended or shall be construed to give to any person other than the parties hereto and the Bank any legal or equitable right, remedy or claim under or in respect to this Twenty-Eighth Supplemental Indenture or any covenants, conditions and agreements herein contained since this Twenty-Eighth Supplemental Indenture and all of the covenants, conditions and agreements hereof are intended to be and are for the sole and exclusive benefit of the parties hereto and the Bank as herein provided.

Section 502. Severability.

If any provision of this Twenty-Eighth Supplemental Indenture shall be held invalid by any court of competent jurisdiction, such holding shall not invalidate any other provision hereof and this Twenty-Eighth Supplemental Indenture shall be construed and enforced as if such illegal provision had not been contained herein.

Section 503. Successors and Assigns.

This Twenty-Eighth Supplemental Indenture shall be binding upon, inure to the benefit of and be enforceable by the parties and their respective successors and assigns.

Section 504. Applicable Law.

This Twenty-Eighth Supplemental Indenture shall be governed by the applicable laws of the District of Columbia.

Section 505. Counterparts.

This Twenty-Eighth Supplemental Indenture may be executed in several counterparts, each of which shall be an original and all of which together shall constitute but one and the same instrument.

IN WITNESS WHEREOF, the Authority and the Trustee have caused this Twenty-Eighth Supplemental Indenture to be executed in their respective corporate names as of the date first above written.

**DISTRICT OF COLUMBIA WATER
AND SEWER AUTHORITY**

By _____
Chief Financial Officer and Executive Vice
President, Finance and Procurement

**WELLS FARGO BANK, N.A.,
AS TRUSTEE**

By _____
Its _____

**FIRST AMENDMENT TO AMENDED AND RESTATED MASTER LETTER OF
CREDIT AGREEMENT**

THIS FIRST AMENDMENT TO AMENDED AND RESTATED LETTER OF CREDIT AGREEMENT (this “Amendment”) is entered into as of March __, 2021, by and between **TD BANK, N.A.** (the “Bank”) and the **DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY** (the “Customer”).

RECITALS

- A. The Bank and Customer are parties to that certain Amended and Restated Master Letter of Credit Agreement dated as of March 28, 2014 (the “Master Letter of Credit Agreement”).
- B. By this Amendment, the Bank and the Customer intend to modify certain terms of the Master Letter of Credit Agreement.

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Bank and the Customer agree, subject to the terms and conditions of this Amendment, as follows:

- 1. Effective Date. This Amendment and the modifications and amendments contained herein are made effective as of the date hereof.
- 2. Definitions. Capitalized terms not otherwise defined herein have the meanings given to them in the Master Letter of Credit Agreement.
- 3. Modifications to Master Letter of Credit Agreement. (A) Section 6(b) of the Master Letter of Credit Agreement is hereby deleted and of no further force or effect; (B) the reference to Section 6(b) of the Master Letter of Credit Agreement contained in Section 6(c) of the Master Letter of Credit Agreement is hereby deleted and of no further force or effect; and (C) Section 7(n) of the Master Letter of Credit Agreement is hereby deleted and of no further force or effect.
- 4. Security; Remedies. The Customer’s Obligations to the Bank under the Master Letter of Credit Agreement (as amended by this Amendment) are secured as provided in that certain Twenty-Eighth Supplemental Indenture of Trust dated as of March __, 2021 (the “28th Supplement”) between the Customer and Wells Fargo Bank, N.A., as trustee. In the event of any default by the Customer under the Master Letter of Credit Agreement (as amended by this Amendment), the Bank shall have all of the rights and remedies to which it is entitled as a holder of Subordinate Debt under the Indenture (as such terms are defined in the 28th Supplement).
- 5. No Other Modification; Binding Effect. Except as specifically amended, modified or supplemented hereby, the Master Letter of Credit Agreement is hereby confirmed and ratified in all respects and shall be and remain in full force and effect according to its terms. None of the terms or conditions of this Amendment may be changed, modified, waived or canceled orally or otherwise, unless it is in writing and signed by the Bank for

such purpose. This Amendment shall inure to the benefit of the parties hereto, and shall be binding upon their successors, personal representatives and assigns.

6. Reaffirmation Of Obligations; No Event of Default. Except as modified by this Amendment, the Customer reaffirms its Obligations and its representations and warranties (except to the extent such representations and warranties speak to a specific prior date) under the Master Letter of Credit Agreement.
7. Severability. In case any one or more of the provisions contained in this Amendment shall be invalid, illegal or unenforceable, the validity and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby.
8. Authorization. The Customer represents and warrants to the Bank that the person or persons executing this Amendment on behalf of it has full power and authority to execute this Amendment on behalf of the Customer.
9. Governing Law. The Master Letter of Credit Agreement, as amended hereby, shall be governed by the laws of the District of Columbia, without regard to principles of conflict of laws.
10. Counterparts. This Amendment may be executed in one or more counterparts, each of which shall have the force and effect of an original, and all of which shall constitute but one document.
11. Headings. The captions hereof are inserted for convenience of reference only and shall in no way alter, modify or define, or be used in construing the text of this Amendment.
12. Fees and Expenses. Customer shall pay or cause to be paid on the demand of the Bank all expenses incurred by the Bank in connection with this Amendment, including but not limited all reasonable attorneys' fees.

[Signatures Follow]

IN WITNESS WHEREOF, this Amendment has been executed under seal by the parties hereto and delivered on the date and year first above written.

CUSTOMER:

DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

By: _____
Name: _____
Title: _____

BANK:

TD BANK, N.A.

By: _____
Name: _____
Title: _____

Signature Page to First Amendment to Master Letter of Credit Agreement

114037823_3

Presented and Approved: March 4, 2021

SUBJECT: Approval to Execute Change Order No. 001 of Contract No. 170170, Capitol Paving of DC

**#21-22
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on March 4, 2021 upon consideration of a non-joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Change Order No. 001 of Contract No. 170170, Capitol Paving of DC.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Change Order No. 001 of Contract No. 170170, Capitol Paving of DC. The purpose of the change order is to continue executing Public Space Restoration until a new contract starts. The change order amount is \$5,500,000.

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:
Public Space Restoration Contract FY18- FY21
(Non-Joint Use)**

Approval to execute Change Order No. 001 for \$5,500,000.00. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of D.C. 2211 Channing St NE Washington, DC 20018	United Construction Services, LLC Washington, DC MBE	32.0%
	Acorn Supply & Distributing, Inc White Marsh, MD WBE	6.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$21,584,324.00
Value of this Change Order:	\$5,500,000.00
Cumulative CO Amount, including this CO:	\$5,500,000.00
Total Contract Value, including this CO:	\$27,084,324.00
Original Contract Time:	1096 Calendar Days (3 Years)
Time extension, this CO:	270 Calendar Days
Total CO contract time extension:	270 Calendar Days
Contract Start Date (NTP):	04-09-2018
Contract Completion Date:	01-04-2022
Cumulative CO % of Original Contract:	25.48%
Contract completion %:	78.93%

Purpose of the Contract:

Permanent restoration of paved and non-paved surfaces in public space after the completion of repair and replacement activities by the Department of Water Services and the Department of Sewer Services.

Original Contract Scope:

- Restore and/or replacement of asphalt and concrete roadways, brick and concrete sidewalks, landscaped areas, and other miscellaneous repairs that result from excavations performed in public space.

Previous Change Order Scope:

N/A

Current Change Order Scope:

- The current Public Space Restoration Contract for FY18-FY21 ends on April 8, 2021.
- A new contract will be advertised on June 4, 2021 with the goal of executing and starting it on January 5, 2022 so that there is no lag between the current and new contract
- As a result, a time change order and value increase are needed to continue executing Public Space Restoration until the new contract starts.

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	170170
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital, Operating	Department:	Water Services
Service Area:	Water, Sanitary, Combined Sewer, Stormwater, Non Process Facilities	Department Head:	Jason Hughes
Project:	KW, HH, LN		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$5,500,000.00
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%	\$5,500,000.00

Jason Hughes _____ February 5, 2021
 Jason Hughes _____ Date
 VP, Water Operations

Dan Bae _____ February 5, 2021
 Dan Bae, VP _____ Date
 Procurement and Compliance

Matthew T. Brown _____ February 5, 2021
 Matthew T. Brown _____ Date
 CFO and EVP
 Finance and Procurement

David Gadis _____
Digitally signed by David Gadis
 DN: cn=David Gadis, o=DCP
 email=David.Gadis@water.com, c=US
 Date: 2021.02.25 11:34:48 -0500
 David L. Gadis _____ Date
 CEO and General Manager

Presented and Approved: March 4, 2021
SUBJECT: Approval to Execute Contract No. 190040, Anchor Construction Corporation

#21-23
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
D.C. WATER AND SEWER AUTHORITY

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on March 4, 2021 upon consideration of a non-joint use matter, decided by a vote of ___() in favor and ___() opposed to execute Contract No. 190040, Anchor Construction Corporation.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to execute Contract No. 190040, Anchor Construction Corporation. The purpose of the contract is to implement rehabilitation and replacement of pipe segments identified with structural defects to extend the service life of the N Street NW and NE PCCP (Prestressed Concrete Cylinder Pipe) transmission main. The contract amount \$2,913,020.

Secretary to the Board of Directors

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

ACTION REQUESTED

**CONSTRUCTION CONTRACT:
66-Inch/72-Inch PCCP N Street
(Non-Joint Use)**

Approval to execute a construction contract for \$2,913,020.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Anchor Construction Corporation 2254 25th Place, NE Washington, DC 20018	Keys Materials Mt. Airy, MD	MBE 12.5%
	S & J Service, Inc. Hyattsville, MD	MBE 1.0%
	Sunrise Safety Services, Inc. Glen Burnie, MD	WBE 4.1%
	Sandras Supplies, LLC Bowie, MD	WBE 1.5%
	Resource Industries, LLC Washington, DC	WBE 0.5%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$2,913,020.00
Contract Time:	453 Days (1 Year 3 Months)
Anticipated Contract Start Date (NTP):	05-13-2021
Anticipated Contract Completion Date:	08-09-2022
Bid Opening Date:	11-18-2020
Bids Received:	4
Other Bids Received	
Garney Companies	\$3,193,800.00
Spiniello Companies	\$3,423,300.00
Sagres Construction Corporation	\$3,867,500.00

Purpose of the Contract:

As part of DC Water's continuing implementation of the large diameter water main rehabilitation program, this contract will implement rehabilitation and replacement of pipe segments identified with structural defects to extend the service life of the N Street NW and NE PCCP (Prestressed Concrete Cylinder Pipe) transmission main

Contract Scope:

- Perform watermain shutdown, dewatering, and disinfection.
- Rehabilitate ten (10) pipe segments using internal bonded CFRP (Carbon Fiber Reinforced Polymer) on the existing 66" to 72" PCCP pipe.
- Install one (1) 66" butterfly valve and replacement of 50 feet of a 66" watermain
- Install one (1) 2" Air release valve.
- Excavate paved over access manhole for access to PCCP pipe.
- Excavate a test pit to locate and verify a pipe location

Federal Grant Status:

- Construction Contract is eligible for Federal grant funding assistance: inclusion in grant is pending availability of grant funds.

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	190040
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	Craig Fricke
Project:	FT		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$2,913,020.00
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%	\$2,913,020.00

Leonard R. Benson _____
 February 9, 2021
 Leonard R. Benson _____
 SVP, CIP Project Delivery Date

Dan Bae _____
 February 9, 2021
 Dan Bae, VP _____
 Procurement and Compliance Date

Matthew T. Brown _____
 February 10, 2021
 Matthew T. Brown _____
 CFO and EVP Date
 Finance and Procurement

D.L. Gadis _____
 2/23/2021
 David L. Gadis _____
 CEO and General Manager Date

Presented and Approved: March 4, 2021

SUBJECT: Approval to Participate in DDOT's Pennsylvania Avenue NW Streetscape Project Phase 1 under the Terms of the 2002 MOA between DDOT and DC Water.

**#21-24
RESOLUTION
OF THE
BOARD OF DIRECTORS
OF THE
D.C. WATER AND SEWER AUTHORITY**

The Board of Directors ("Board") of the District of Columbia Water and Sewer Authority ("the Authority") at its meeting on March 4, 2021 upon consideration of a non-joint use matter, decided by a vote of __() in favor and __() opposed to participate in DDOT's Pennsylvania Avenue NW Streetscape Project Phase 1 under the terms of the 2002 MOA between DDOT and DC Water.

Be it resolved that:

The Board of Directors hereby authorizes the CEO/General Manager to participate in DDOT's Pennsylvania Avenue NW Streetscape Project Phase 1 under the Terms of the 2002 MOA between DDOT and DC Water. The purpose of DC Water's participation is to replace small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues within the District of Columbia in conjunction with DDOT project. The total amount is \$3,500,000.

Secretary to the Board of Directors

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

ACTION REQUESTED

PARTICIPATION IN DDOT PROJECT:

**DDOT - Pennsylvania Avenue NW Streetscape Phase 1
From 17th Street to 22nd Street**

(Non-Joint Use)

Approval to participate in DDOT's Pennsylvania Avenue NW Streetscape project under the terms of the 2002 Memorandum of Agreement (MOA) between District of Columbia Department of Transportation (DDOT) and DC Water for an amount up to \$3,500,000.00. This amount exceeds the General Manager's approval authority.

PARTY INFORMATION

PARTY:	SUBS:	PARTICIPATION:
District Department of Transportation 55 M Street, SE, Suite 400, Washington, DC 20003	MBE and WBE fair share objectives will follow DDOT goals.	

DESCRIPTION AND PURPOSE

Value, Not-To-Exceed: \$3,500,000.00
 Time: 730 Days (2 Years, 0 Months)
 Anticipated Start Date: Late 2021
 Anticipated Completion Date: Late 2023

Purpose of DC Water's participation:

Replacement of small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues within the District of Columbia in conjunction with DDOT project.

Scope of DC Water's participation:

- Replace 0.85 miles of water mains ranging from four (4) inches to twelve (12) inches diameter and associated valves and appurtenances.
- Replace copper water services 2-inch diameter and smaller in public and private space.
- 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.
-

Federal Grant Status:

- Work is not eligible for Federal grant funding assistance.

AGREEMENT INFORMATION

Contract Type:	MOA	Award Based On:	N/A
Commodity:	Design and Construction	Contract Number:	N/A

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	Craig Fricke
Project:	F2, GR and KE		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 3,500,000.00
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%	\$ 3,500,000.00

Leonard Benson
 Digitally signed by Leonard Benson
 Date: 2021.02.08 09:26:18 -05'00'
 Leonard R. Benson Date
 SVP, CIP Project Delivery


 Digitally signed by Dan Bae
 DN: cn=US, e=dan.bae@dcwater.com, o=District of Columbia Water and Sewer Authority, ou=VP of Procurement & Compliance, cn=Dan Bae
 Date: 2021.02.09 15:07:29 -05'00'
 Dan Bae, VP Date
 Procurement & Compliance

Matthew T. Brown
 Digitally signed by Matthew T. Brown
 Date: 2021.02.12 12:52:11 -05'00'
 Matthew T. Brown Date
 CFO and EVP
 Finance & Procurement

David Gadis
 Digitally signed by David Gadis
 DN: cn=David Gadis, o, ou,
 email=David.Gadis@dcwater.com, c=US
 Date: 2021.02.23 13:32:07 -05'00'
 David L. Gadis Date
 CEO & General Manager