



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

Meeting of the
Environmental Quality and Operations Committee

**Thursday, November 17, 2022
9:30 a.m.**

Microsoft Teams

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Phone Conference ID: 142 812 080#

- | | | | |
|-------------------|-------------|--|--|
| 9:30 a.m. | I. | Call to Order | Sarah Motsch
Chair |
| | II. | Roll Call | Alfonzo Stukes
Acting Board Secretary |
| 9:35 a.m. | III. | Capital Improvement Program (CIP) Update | Paul Guttridge/David Parker |
| 10:05 a.m. | IV. | Capital Strategy for Construction Contracts
Misc. Facility Upgrades, Small Diameter Water Main
Replacement and Lead-Free DC Program | Dan Bae/Dave Parker
Rudy Gonzalez/William Elledge |
| 10:30 a.m. | V. | Fleet Purchasing Strategy | Maureen Holman |
| 10:40 a.m. | VI. | Action Items | Joel Grosser/David Parker |

Joint Use

1. FY23 & FY24 Fleet Vehicles and Equipment – Multiple Suppliers
2. Contract No.: 19-PR-DWT-21A - Supply and Delivery of Methanol, Colonial Chemical
3. Contract No.: 19-PR-DWT-21B - Supply and Delivery of Methanol, Mitsubishi International
4. Contract No.: 10195 – Janitorial Services, Clean Team
5. Contract No.: 210080 - Miscellaneous Facilities Upgrade – Phase 8 (MFU-8), Multiple Contractors

Non-Joint Use

1. Contract No.: 160100 - Small Diameter Water Main Replacement – 12C, Capitol Paving of D.C.
2. Contract No.: 170070 - Small Diameter Water Main – 14C, Fort Myer Construction Corp.
3. Contract No.: 230020 - Small Diameter Water Main Replacement, Multiple Contractors

10:55 a.m.	VII.	BPAWTP Performance Update	Aklile Tesfaye
11:10 a.m.	VIII.	Other Business / Emerging Issues	
11:15 a.m.	IX.	Executive Session*	
11:20 a.m.	X.	Adjournment	Sarah Motsch

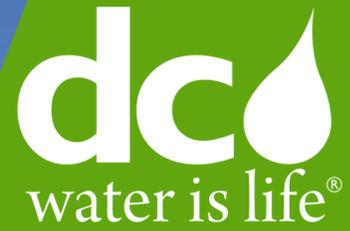
Follow-up Items from Prior Meetings:

1. Dave Parker (Acting, VP of Engineering) Matt Ries (Director, Sustainability and Watershed Management): In response to questions about infrastructure for electrification of fleet, the Committee requested a briefing at a future meeting about plans across the Authority to comply with District government initiatives to achieve carbon neutrality. **[Target: December EQ&Ops Meeting]**
2. Kishia Powell (Chief Operating Officer and EVP): To give presentation at the November Committee meeting, to address questions previously raised by the Board related to PFAS and to provide an update on regulatory progress. **[Target: December EQ&Ops Meeting]**

¹The 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 certain matters, including but not limited to: matters prohibited from public disclosure pursuant to a court order or law under D.C. Official Code § 2-575(b)(1); terms for negotiating a contract, including an employment contract, under D.C. Official Code § 2-575(b)(2); obtain legal advice and preserve attorney-client privilege or settlement terms under D.C. Official Code § 2-575(b)(4)(A); collective bargaining negotiations under D.C. Official Code § 2-575(b)(5); facility security matters 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); third-party proprietary matters under D.C. Official Code § 2-575(b)(11); train and develop Board members and staff under D.C. Official Codes § 2-575(b)(12); adjudication action under D.C. Official Code § 2-575(b)(13); civil or criminal matters or violations of laws or regulations where disclosure to the public may harm the investigation under D.C. Official Code § 2-575(b)(14); and other matters provided under the Act.



Capital Improvement Program (CIP) Update



CIP Quarterly Update

Environmental Quality & Operations Committee

November 17, 2022



Paul Guttridge, Director, CIP Infrastructure Management
David Parker, Acting VP, Engineering



Agenda

- FY22 CIP Accomplishments
- FY22 CIP Q4 Quarterly Update
- FY23 Look-Ahead



Non-Process Facilities

Non-Process Facilities Accomplishments

1. New Program Management consultant continued engagement to provide planning and technical support for the overall Facilities CIP program.
2. Request for Proposal Documents Underway (In Collaboration with Procurement) For The Following Projects:
 - a. Floatable Debris Docks
 - b. Bryant Street Parking
 - c. Main & O Seawall
 - d. Anacostia Pump Station
 - e. Fort Reno Watchman's Lodge
3. Facilities Assessments (preparation for populating and prioritizing RV Projects) are underway.
 - a. NPFM Roofing Assessment (Phase 1, First 6 Buildings) Has Been Completed
 - b. HVAC Assessments

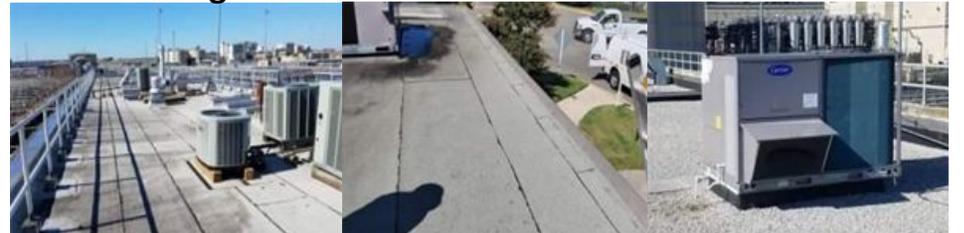
Floatable Debris Docks



Main & O Seawall



NPFM Roofing & HVAC

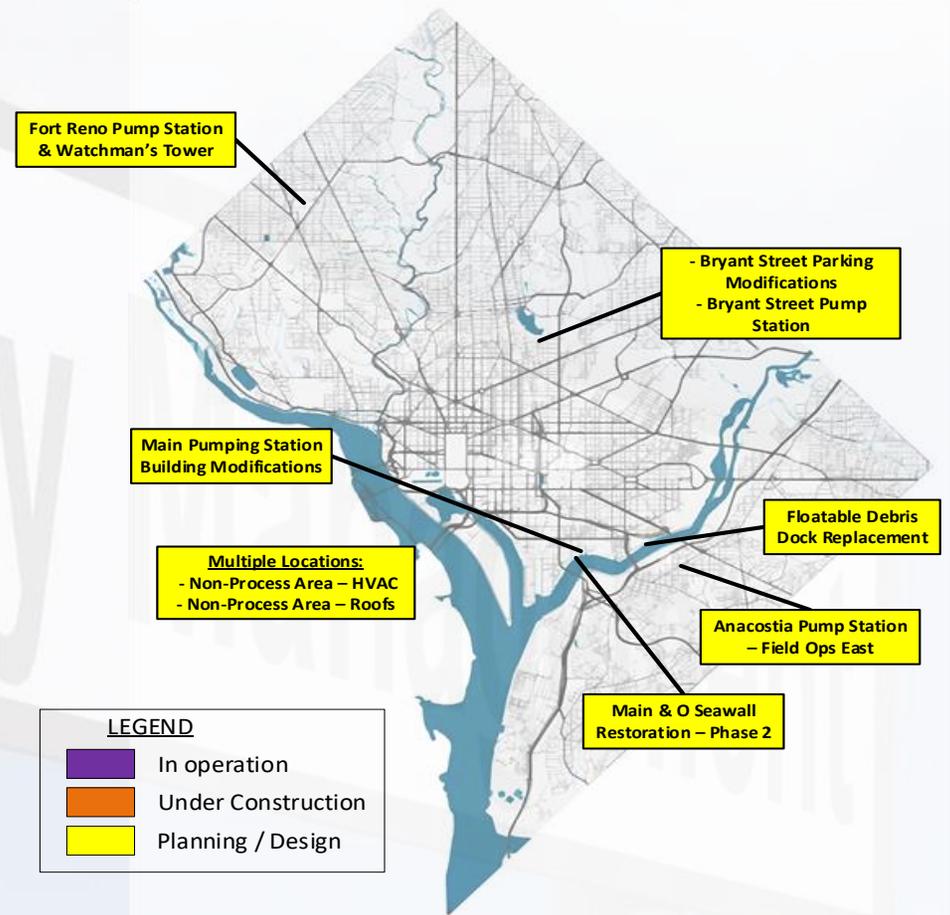




Non-Process Facilities

PROJECT LIST:

- BRYANT STREET PUMP STATION
- FORT RENO PUMP STATION & WATCHMAN'S TOWER
- COF RENOVATIONS
- CMF RENOVATIONS & CONSOLIDATIONS
- FLOATABLE DEBRIS DOCK REPLACEMENT
- ANACOSTIA PUMP STATION
- NPFM HVAC & ROOF PROJECTS
- BRYANT STREET PARKING
- MAIN & O SEAWALL
- MAIN PUMPING STATION
- SOLAR PROJECTS





Wastewater Treatment Construction Projects

FY2022 Accomplishments

Construction

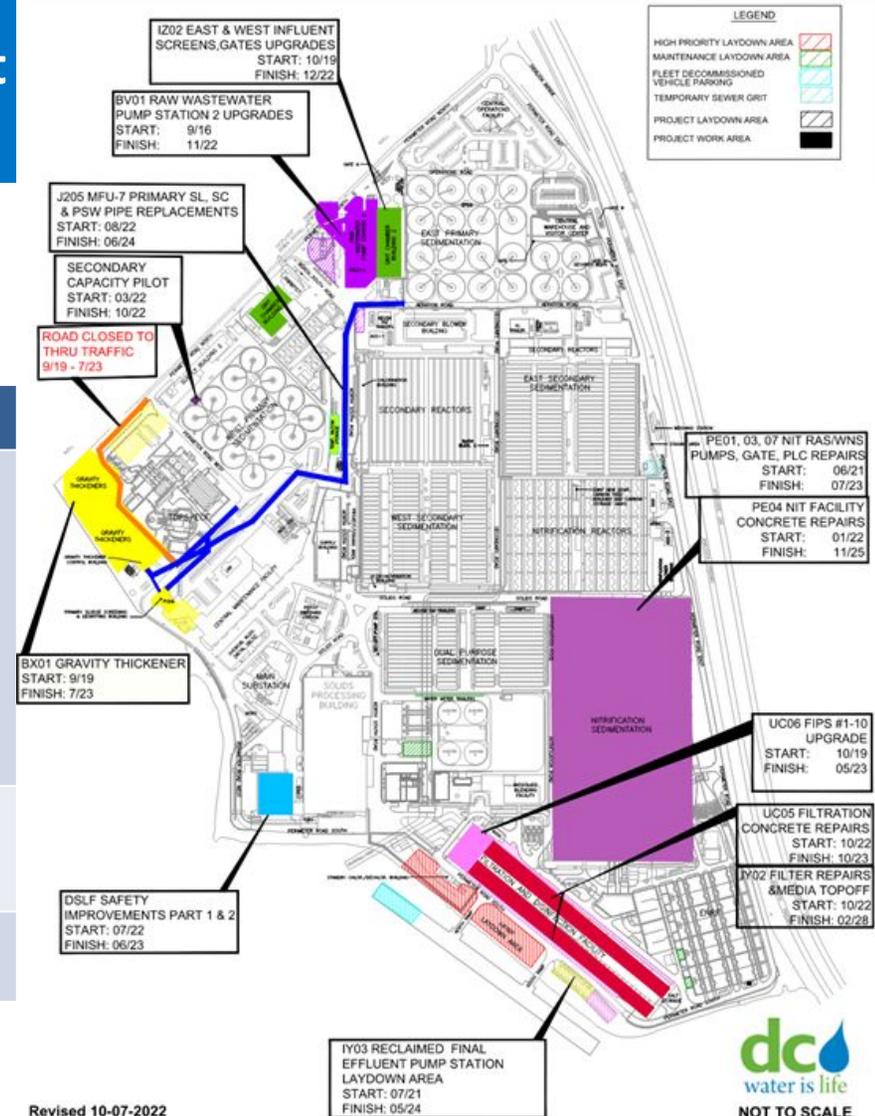
- Completed five (5) priority projects and initiated four (4) additional under the MFU Program
- Completed installation/upgrades of critical equipment for ten (10) Filter Influent Pumps and six (6) Gravity Thickeners
- Ongoing construction projects include 6 contracts with a cumulative contract amount of over \$200M
- Successfully closed two (2) construction contracts which included an \$8.7 Million savings in the final settlement for the TDPS-ECF project

Grant Funding

- 2 projects received FEMA grant funding valued over \$20M
- 1 received EPA grant.

Impact of capital project on Operating budget

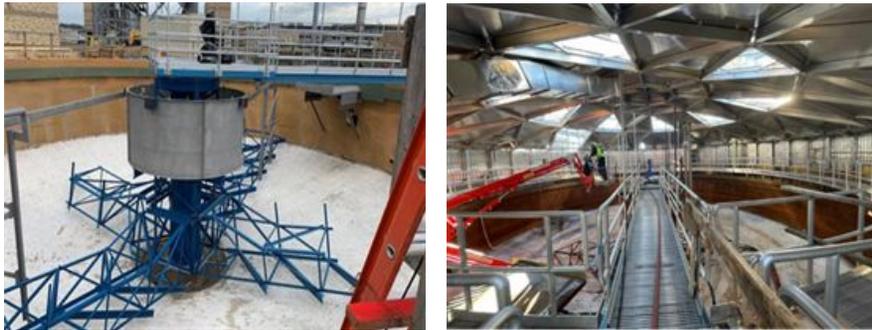
- Installation of Solar Arrays has decreased power purchase cost at Blue Plains





Blue Plains Ongoing Projects

**Gravity Thickener Upgrades
GT-1 through GT-10**



**Filter Influent Pump 1-10
Replacement Project**



NRL Feeder Upgrades



**Sedimentation Basin 12
Concrete Repairs**



Influent Screen Replacement



**Reclaimed Final Effluent Pump
Station Upgrades**

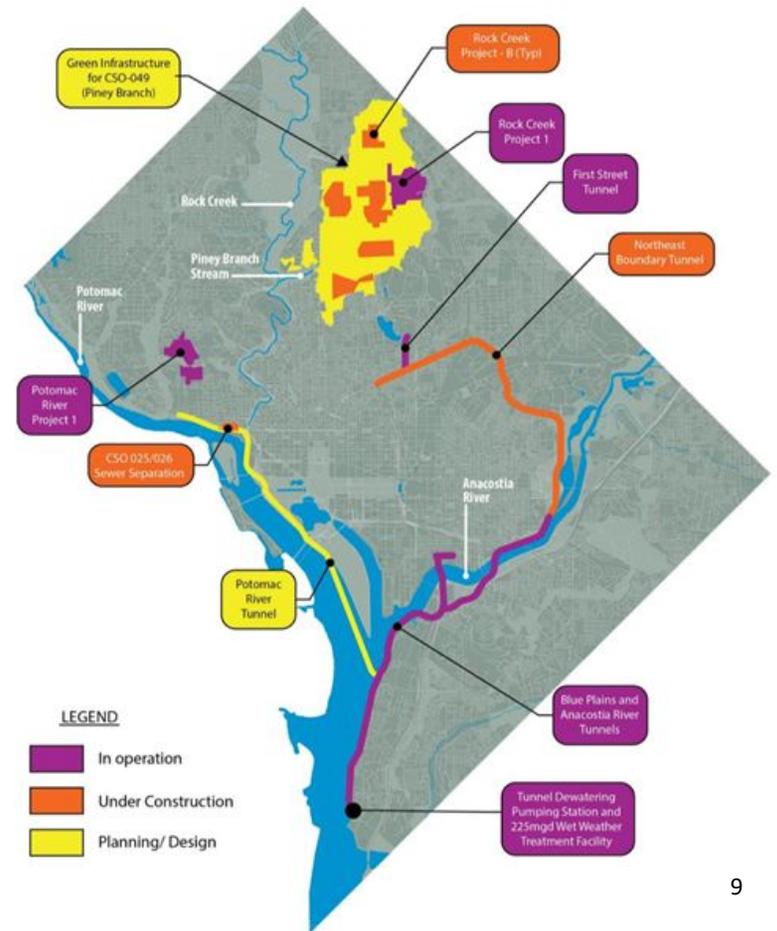




Clean Rivers

Projects to report on:

- Div J, Northeast Boundary Tunnel
- Div PR-C, CSO 025/026 Separation
- Div PRT-A, Potomac Tunnel Advance Utility
- Div RC-B, Green Infrastructure Project B





Clean Rivers Construction Projects (1 of 2)

Div J Northeast Boundary Tunnel	
Purpose	CSO control and flood mitigation in Northeast Boundary Area
Scope	5.5 miles of 23' dia tunnel and associated shafts and diversions
Phase	Construction
Contract Value	\$ 579,975,000
% Complete	93%
Schedule	Summer 2023, ahead of 3/23/2025 consent Decree deadline

Div PR-C, CSO 025/026 Sewer Separation	
Purpose	Separate 2 CSOs in Georgetown
Scope	Construct new sanitary sewers, convert existing CSO to storm sewer
Phase	Construction
Contract Value	\$ 7,799,988
% Complete	73%
Schedule	Consent Decree deadline 3/23/20-23



FSCT Second CIP Lift Reinforcement NEBT Sawcutting FLA Adit Shotcrete



Shoring at K St NW



Wisconsin Ave Traffic Control



Clean Rivers Construction Projects (2 of 2)

Div PRT-A, Pot Tunnel Advance Utility Construction

Purpose	Bring power to work sites in advance of Potomac Tunnel
Scope	Electrical duct banks on Independence Ave and other CSO sites
Phase	Construction
Contract Value	\$13,943,834 M
% Complete	84%
Schedule	Fall 2023, in advance of Potomac Tunnel (no Consent Decree deadline)

Div RC-B, Rock Creek Green Infrastructure Project B

Purpose	CSO control for Rock Creek
Scope	Alley permeable pavement and bioretention facilities
Phase	Construction
Contract Value	\$ 15,856,873
% Complete	33%
Schedule	Consent Decree deadline 1/23/2024



CSO-024 Manhole and Duct Bank



CSO-024 30th Street

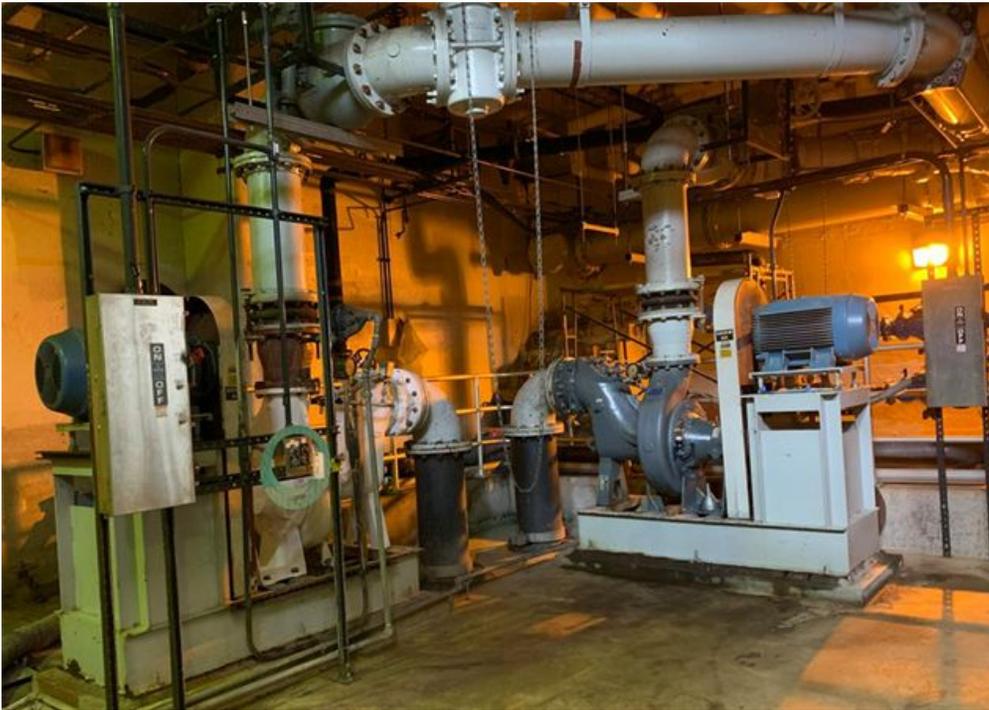


Alley Permeable Pavement (APP)



CSO, Sanitary, Stormwater Pumping

Main Pump Station – Low area pumps: Upgrade Design



Design completion scheduled : Nov. 22, Construction Start: Feb. 23

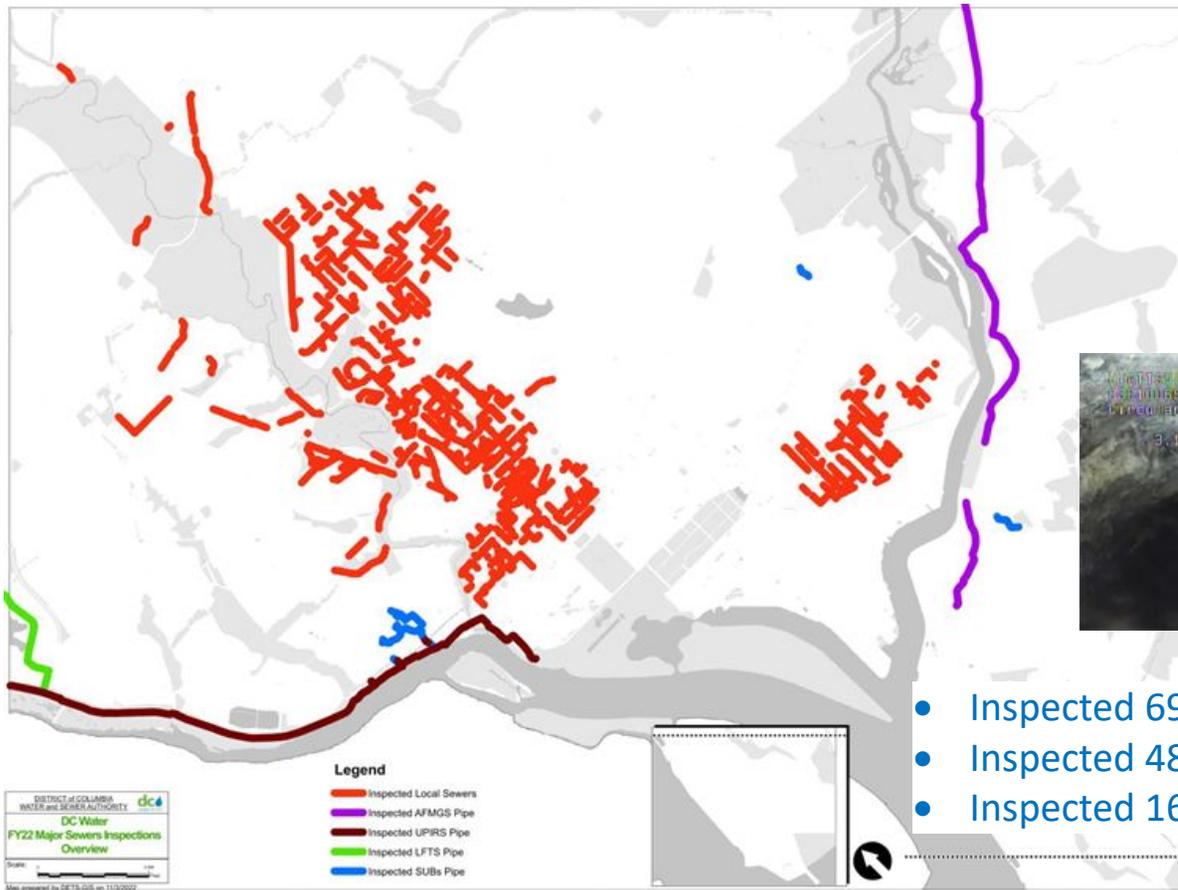
New SCADA Panels at Stormwater pump stations



Upgrades completed in 12 stations. Upgrades ongoing on 4 stations.



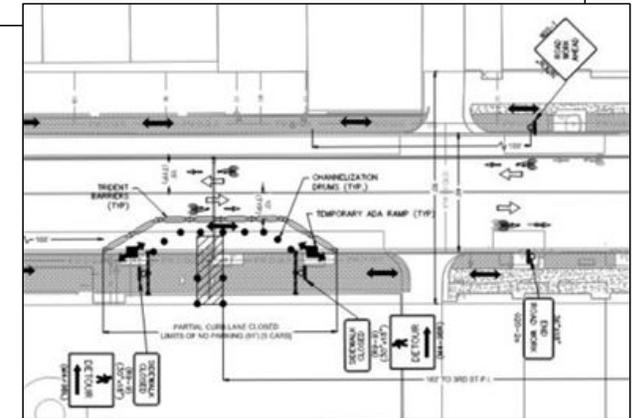
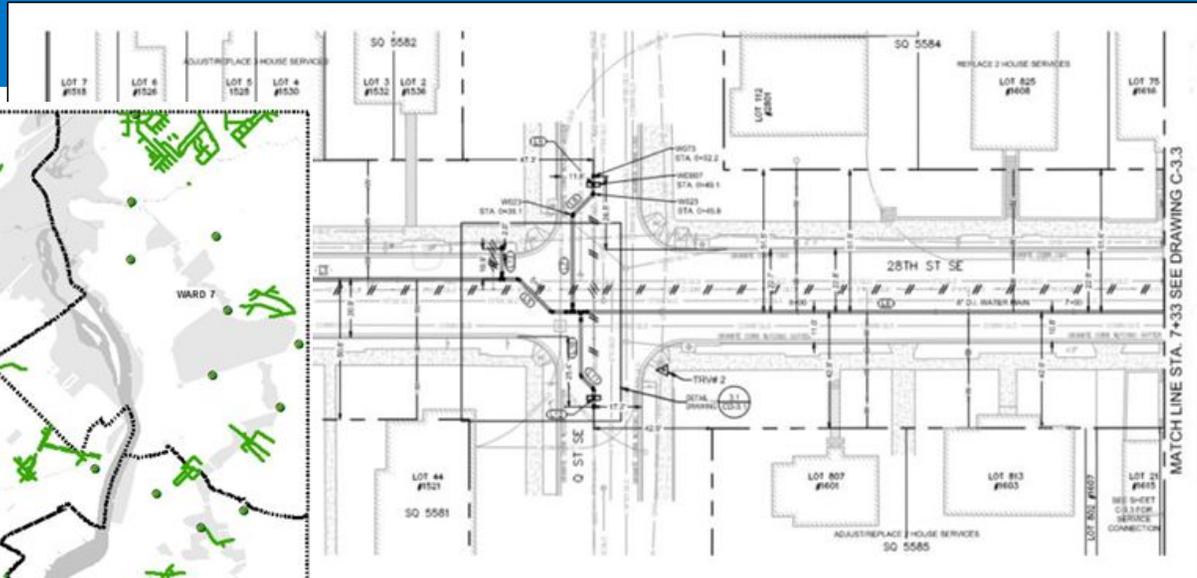
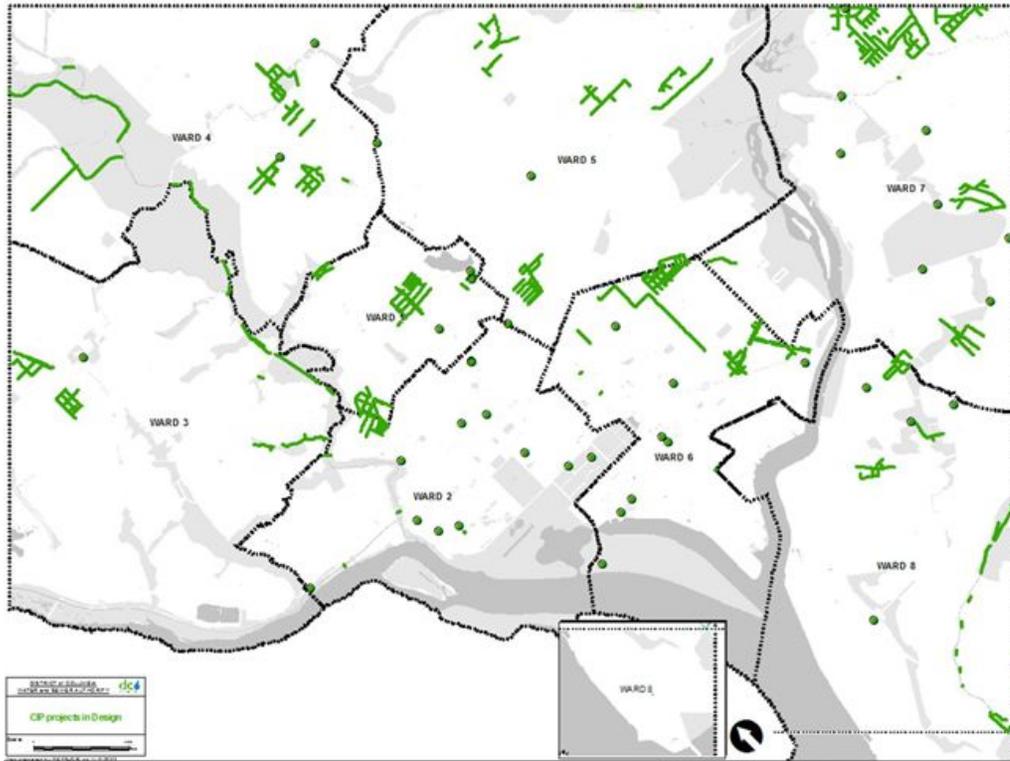
Planning Phase Sanitary Sewer Inspections and Assessments



- Inspected 69 miles of local sewer ≤ 12 inch
- Inspected 48 miles of local sewers > 12 inch < 60 inch
- Inspected 16 miles of major sewers ≥ 60 inch



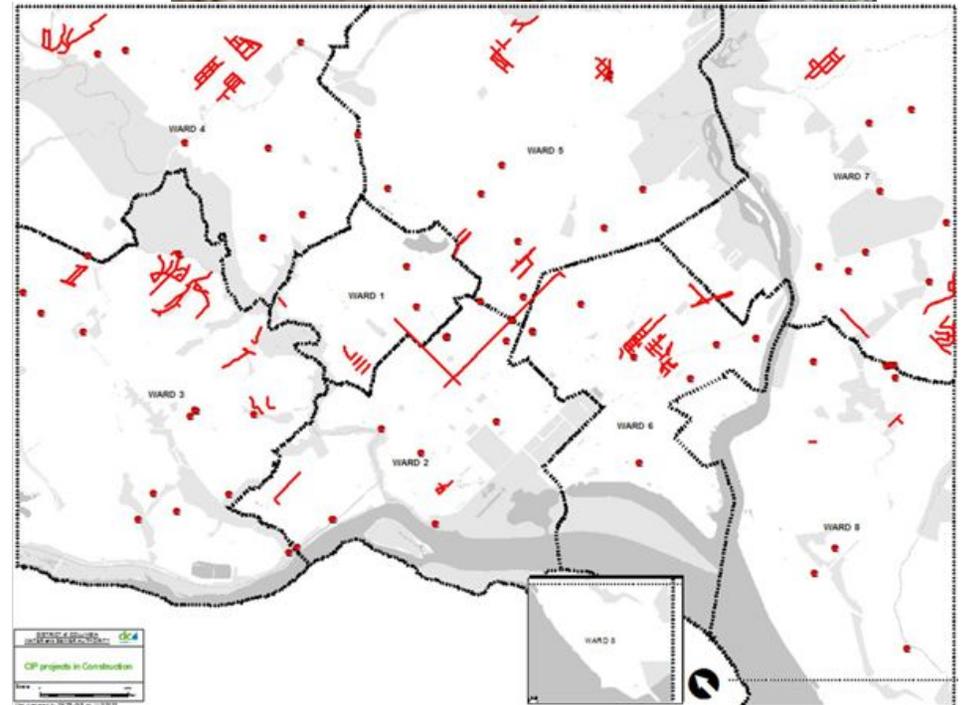
Water & Sewer Projects In Design – FY22



Completed ~2100 Design Sheets (~90% In-House)
Completed ~3800 Traffic Control Plans (~50% In-House)



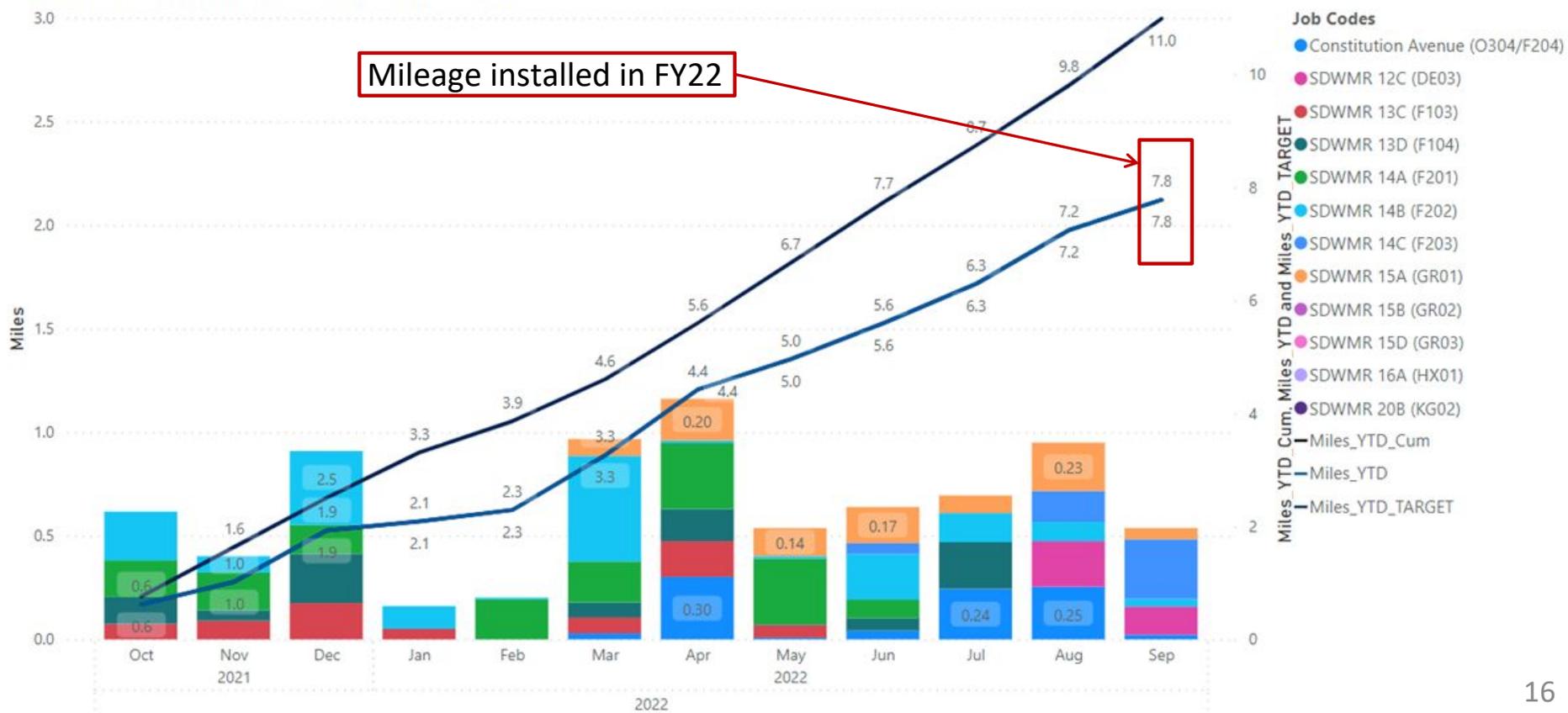
Water & Sewer Projects In Construction – FY22





Water Service Area highlight: SWDM Program Progress Summary – FY22

SDWMRP: FY22 Actual/Planned Water Main Renewed





Lead Free DC Program Status



- Increased Lead Replacement Rate by 100%
- Participated in Lead Task Force
- Solicited and selected Program Management contract.
- Gained significant program recognition with marketing



FY22 CIP Q4 Quarterly Update



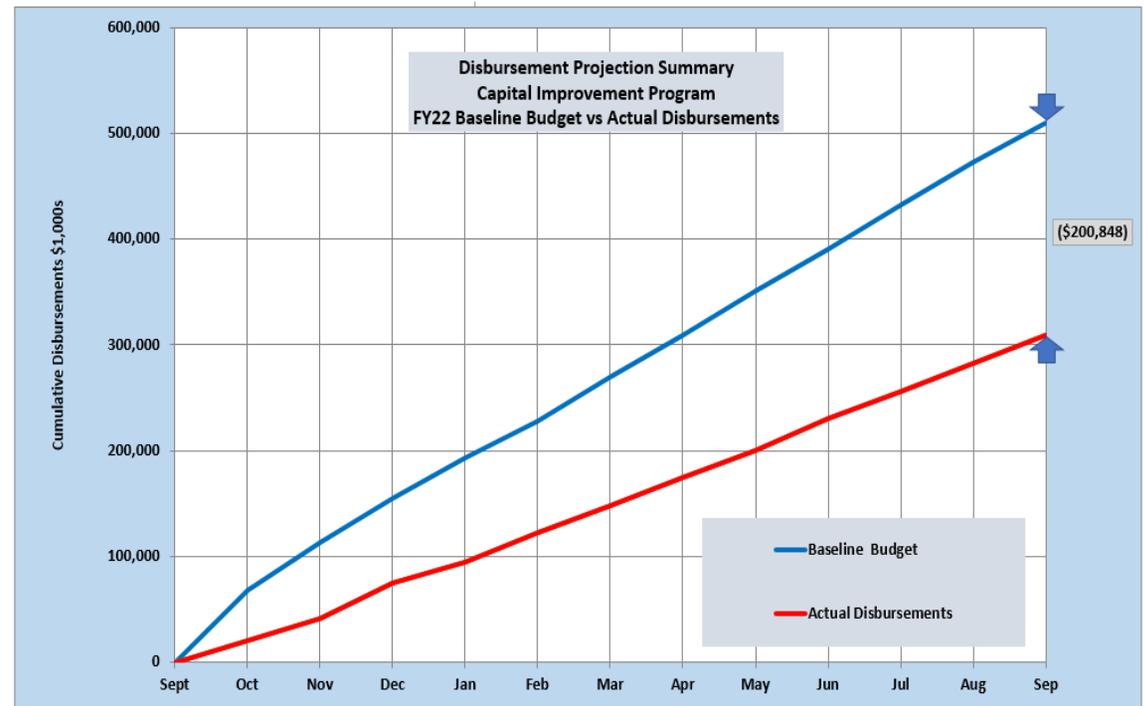
CIP Quarterly Update

FY22 CIP Disbursement Performance

The program disbursements through the end of the fiscal year compared with the approved FY22 baseline budget are shown in the chart (right).

The fiscal year 2022 CIP disbursements were **\$309M** through the end of September 2022 compared to the approved baseline budget of **\$510M**.

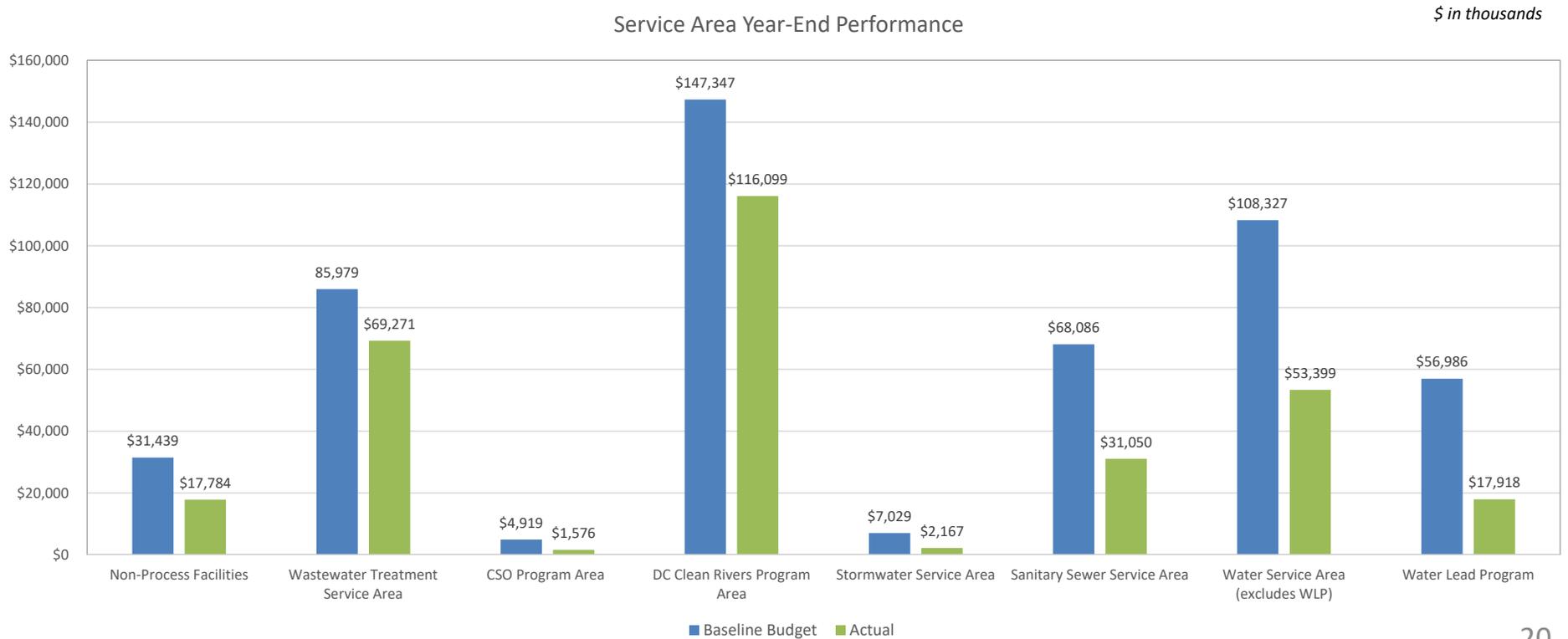
Baseline projection for FY23 developed and action plan in place to better align the execution with the baseline.





FY22 Performance by Service Area

CIP Disbursement Performance by Service Area





FY22 CIP Highlights by Service Area

Non-Process Facilities Achieved \$17.8M (57%):

- HH Main and O Relocation (Fleet and Sewer Facilities) – Projects near final completion pending resolution of dispute with contractor
- HJ COF Renovations - project reassessed and deferred

Wastewater Treatment Service Area Achieved \$69.3M (81%):

- Work under Miscellaneous Facilities Upgrade Contract 7 (MFU7) construction contract was less than projected due to Notice To Proceed later than scheduled and supply chain issues
- Scope change necessitating a change order that impacted the start of the Switchgear construction contract
- Gravity Thickener Upgrades on track for completion in FY23

CSO Program Area Achieved \$1.6M (32%):

- Work at Main and O St Pump Stations through MFU contracts delayed due to coordination of engineering documentation

DC Clean Rivers Program Area Achieved \$116.1M (79%):

- An uptick in Covid infections to crews and the inherent issues with the ground improvement technique selected over more invasive techniques to minimize traffic and neighborhood impacts during construction – The place-in-operation timeframe remains mid-2023, ahead of the March 23, 2025, Consent Decree deadline



FY22 CIP Highlights By Service Area (Continued)

Stormwater Service Area Achieved \$2.2M (31%):

- Although supply chain issues and DDOT issues delayed execution, the work is due to start in FY23: (Portland Street, 1st and D, Kenilworth Avenue and 12th and Maine pump stations)

Sanitary Sewer Service Area Achieved \$31.1M (46%):

- Permitting and contract negotiations of Phase II design-build contract for Potomac Interceptor Phase 5 Pipe Rehab took longer than anticipated and work is now underway.
- Major Sewer Assessment and Heavy Cleaning was re-bid to attract more bidders.
- Over 130 miles of sewer inspections performed, with total expenditures less than budget.

Water Service Area Achieved \$71.3M (43%):

- 7.8 miles of water mains replaced, multiple SDWM contracts are being impacted by DDOT regulations and permit issues that were not anticipated when the projects were awarded.
- Condition assessment activities have been impacted by inoperable valves needed to isolate the flow. Critical valves are being procured to allow assessment activities to continue.
- Customer participation rates for the Lead-Free DC (LFDC) program were less than anticipated, however, following extensive outreach the participation rates have doubled.
- Note, current supply chain issues will impact near-term future projects. Procurement is implementing a strategy to direct purchase materials in advance to counter supply chain issues.



Schedule - Key Performance Indicators

Summary of FY22 Key Performance Indicators (KPIs):

	Performance
34	Total KPIs due this year
18	KPIs completed within threshold
16	KPIs completed outside threshold (>90 days)

Q4 KPIs achieved within the 90-day threshold:

Job	Job Name	KPI type
JZ02	LDWM Replacement 3b	Design Start Milestone
KH01	Small Diameter Water Main Rehabilitation 21	Design Start Milestone
NG05	Stormwater Pump Station Rehab - 1st and D	Construction Start Milestone

Q4 KPIs not achieved within the 90-day threshold:

Job	Delta	Comment
MC01	-802	Sewer System SCADA work was re-prioritized with a delayed start. Ongoing work resulted in modifications to the originally planned scope of work.
I801	-182	Large Valve Replacements construction was not completed on time due to contractor delays.
F104	-162	SDWM Construction Completion date was not met due to delays including DDOT 1200 LF restriction.
HX02	-239	SDWM construction advertisement was rescheduled to be included with new construction contracts under the new Master Services Agreement.
QS03	-138	Local Sewer Rehab design start was delayed until December 2022.

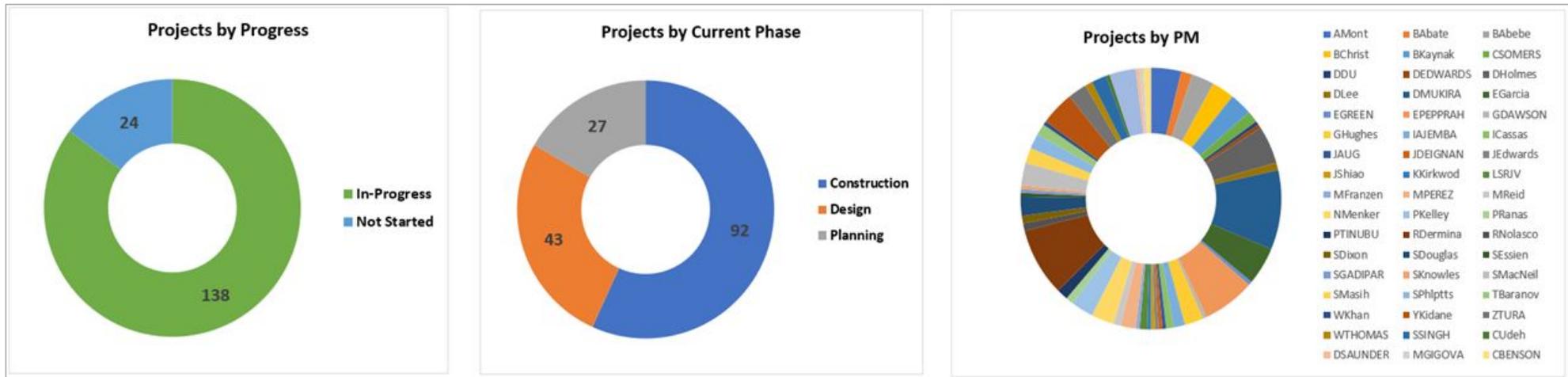


FY23 Look-Ahead



CIP FY23 Overview

- There are a total of **266** projects in the **10-year** Capital Improvement Program, with **162** active in FY23
- The current FY23 forecast is **\$386M**, to be expended across **162 Projects**, of which **138** are currently in-progress, and **24** are expected to commence in FY23
- Of the 162 projects, **27** are in the Planning/PM phase, **43** in Design/Procurement, and **92** in the Construction phase
- There are over **50 project managers** overseeing each phase of multiple projects



There are a total of **62 committed Construction Contracts** with forecast **\$221.5M** spending in FY23
 Total of **67 committed Agreements** (Design/CM Services/BOAs/PM) with forecast **\$111.9M** spending in FY23
 Total of **\$53M** of forecast spending in FY23 remaining to be committed



We've adjusted

The Fed Intensifies Its Battle Against Inflation

Federal Reserve officials made another large rate increase and signaled more to come, pledging to quash inflation despite expected pain.

Give this article



The Federal Reserve raised interest rates by three-quarters of a percentage point in an attempt to lower inflation back to 2 percent. Drew Angerer/Getty Images





Action Plan to Improve FY23 Performance

➤ Improve the Initial Plan (Baseline) Forecast (done) ✓

- Durations updated to reflect accurate schedules ✓
- Schedules include supply chain impacts ✓
- Anticipated performance levels accounted for in baseline ✓

➤ Improve Execution of the Plan (Actuals)

- Use a Master Service Agreements (MSAs) approach to execute contracts more efficiently and greater flexibility
- Continue to work collaboratively with DDOT to address 1,200 Foot rule, Traffic Control Plans and permitting challenges
- Non-Process Program Manager is on-board and providing resources for planning and execution
- 12-month lookahead collaboration between Engineering and Procurement
- Procurement developing strategy to mitigate supply chain issues.
- Increased focus on project execution and schedule adherence with monthly project updates, Department Head approval required for scope and schedule deviations.

Service Area	FY23
Non-Process	\$22,104
Wastewater	\$71,907
CSO/DCCR	\$108,031
Storm	\$7,509
Sanitary Sewer	\$68,031
Water	\$108,909
Grand Total	\$386,492



Contracting Approach for Capital Improvement Plan (CIP) Construction Services



**Contracting Approach for CIP Construction Contracts
Misc. Facility Upgrades, Small Diameter Water Main
Replacement & Lead-Free DC
Environmental Quality & Operations Committee
November 17, 2022**



**Dan Bae, Vice President, Procurement and Compliance
David Parker, Acting VP, Engineering
Rudy Gonzalez, Director, Capital Procurement
William Elledge, Director, Engineering and Technical Services**



Agenda

- Purpose & Scope
- Why do we need a different CIP Contracting Approach?
- The Contracting Approach Supports CIP Objectives
- Components of the Contracting Approach
- Business Equity and Inclusion
- Step-by-Step Process for Capital Contracting Approach
- The Qualification & Capacity-Building Process
- Q & A



Purpose & Scope

Discuss the Capital Procurement Contracting Approach for Capital Improvement Plan (CIP) Construction Projects to assist in meeting CIP KPIs and spending objectives

Discuss how the Contracting Approach will provide faster procurement times, and reduce risk thru early contractor/supplier engagement and annual procurement planning

Discuss how the Contracting Approach can be used to increase local business capacity & utilization thru early engagement of Compliance and Procurement staff

Seek Approval for the following (3) three **Fact Sheets** which incorporate the Contracting Approach

Miscellaneous Facility Upgrades (MFU)

\$ Amount	Base Term	Option Years	No. of Firms
\$160 Million over 6 years	3 Years	3 @ 1-year each	4

Small Diameter Water Main Replacements (SDWMR)

\$ Amount	Base Term	Option Years	No. of Firms
\$120 Million Over 3 Years	3 Years	3 @ 1-year each	7

Lead Free DC (LFDC) Lead Service Line Replacements (LSLR)

\$ Amount	Base Term	Option Years	No. of Firms
\$180 Million Over 3 Years	3 Years	3 @ 1-year each	TBD



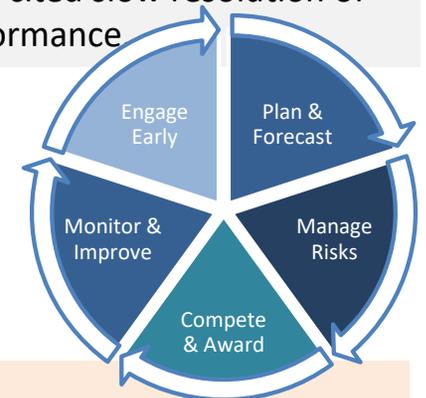
Why do we need a different CIP Contracting Approach?

Problem

Historically, Capital Contracting approach has been one solicitation, one-contract, one contractor. As regulations and requirements increase, the approach becomes lengthy for DC Water, costly for Contractors, and does not align with CIP objectives. Project team's limited options and speed of contractual execution does not align with CIP changing needs and contributes to CIP schedule under-performance. Silos among DC Water and Contractors limits CIPs ability to collaborate, plan, and forecast to pro-actively reduce supply risks. Business and community stakeholders have cited slow resolution of changes and Diversity, Equity and Inclusion (DEI) barriers are prevalent barriers to successful performance

Solution

Approve and Implement a more reliable and resilient CIP Contracting Approach that supports CIP performance and includes Qualifications-based Contractor selection, award of multiple Task Order contracts, competitively bid & award tasks, engage & plan, clarify and manage project risks & objectives with Qualified Contractors, and establish a “path to equity” for DEI objectives



Benefits

- | | |
|--|--|
| <ul style="list-style-type: none"> • Procurement Speed • Team of Contractors provides capacity, flexibility, options • Project Forecast provides predictability • Materials Planning Reduces | <ul style="list-style-type: none"> • supply risks and delay costs • Leverages Experience of Existing firms • Provides a Clear Path to Inclusion of New Firms • Provides a Clear Path towards Building Equity |
|--|--|

Value to the Enterprise

- Improves CIP & KPI performance
- Removes DC Water and contractor silos
- Establishes a culture of planning, collaboration, and innovation
- Increases opportunities, removes barriers
- Builds local DBE/WBE capacity



The Contracting Approach Supports DC Water CIP Objectives

- **Improves CIP Execution**
 - Reduce procurement time for planned work on average from 270 days to 90 Days
 - Provide flexibility and options to address urgent or unplanned work
 - Contractor can start working within 10 days of NTP
- **Provides vehicle to build a high-performing Team of Contractors**
 - Qualify experienced Contractors based on experience, capability, capacity & availability
 - Award Multiple Master Service Agreements (MSA) to all qualifying firms
 - Repeat the Qualification Process every 2 or 3 years
- **Addresses Supply Chain Risks**
 - Contractor participation during planning & design identifies and mitigates risk
 - Project scheduling helps Contractors to plan work & schedule crews
 - Contractors provide input for ordering pipes, valves & fittings
- **Ensures competitive selection requirements are met**
 - Work is awarded by competing Task Orders
 - Work can also be awarded as Time & Materials based on competed/negotiated rates.
 - Early Engagement will allow contractors to give us their best price



Components of the Contracting Approach

- (I) Assure Material Availability** by DC Water buying Pipes, Valves & Fittings – presented in October 2022 Environmental Quality & Operations meeting
- (II) Build a TEAM of highly engaged & qualified Contractors** that provide DC Water teams sufficient capacity, options, and flexibility to address CIP challenges
- (III) Reduce Risk thru Early Engagement & Collaboration** Contractor Design Reviews, Materials Planning & Forecasting, speedy resolution of changes and/or disputes, engage Procurement and Compliance.
- (IV) Implement a Local and Certified Business Utilization Plan** by removing barriers to participation coupled with a comprehensive training and development approach, supported by the existing primes and strategic partners.

The Strategy was developed over the past 12 months by Engineering, Procurement, and Compliance including Extensive Outreach and Market Analysis

The Approach meets all existing Procurement Regulations, Policies, and Delegation of Authority



Step-By-Step Process for the Capital Contracting Approach

- I. Publish a Request for Statements of Qualification (SOQ)
- II. Award a Master Service Agreement (MSA) to each Qualified Contractor
- III. Include Qualified Contractors during planning & design
- IV. Compete and Award “well-defined” projects among Qualified Contractors based on performance and price
- V. Negotiate urgent projects or when a design is not preferable using competitive/negotiated labor rates & markups based on capability and availability
- VI. Identify and develop meaningful opportunities to increase local based firms as prime and sub-contractors & increase local hiring
- VII. Re-open Qualifications Process after 2 or 3 years for new firms



The Qualification & Capacity Building Process

➤ Year 1 – Implement the Contracting Approach

- Publish SOQ Solicitation
- Qualify multiple contractors based on experience, capability, and capacity
- Award each Qualified Contractor a Master Service Agreement

➤ Year 1 thru Year 3

- Procurement & Compliance identify and develop opportunities at Planning and Design phases
- Provide coaching to new firms or firms that did not qualify
- Promote Mentor Protégé opportunities

➤ Year 3 – Refresh the Contracting Approach

- Re-Open Qualification period for new firms
- Requalify existing firms based on performance and award option terms
- Award new MSAs to newly-qualified firms
- Approval from the Board of Directors of new firms and next 3-year spending authority



*repeat every
three (3) years to
provide
opportunities for
new firms*



Business Equity and Inclusion

DC Water has engaged prime contractors and the certified business community to better understand their needs and challenges related to MSA contracts, including:

- Demand on Resources
- Inability to Plan
- Lack of Competition/ Perception that these are “Closed” Projects – No Real interest in new or small firm participation
- Lack of Consistent Opportunity/ Regular Work
- Maintaining Staff during periods of inactivity
- Slow Invoicing/ Cashflow
- Too much consolidation limits opportunities for firms to lead

DC Water has established an approach to address the concerns of the community and to promote greater equity and inclusion of certified firms.



Business Equity and Inclusion Cont.

Proposed “Pathway to Business Equity” Plan

- Three Year plan to target/ engage 5 – 10 certified firms in disadvantaged business communities and prepare them to take on key/lead roles.
- Plan is supported by the qualified primes for the MFU and SDWM programs
- 4 Main Components

Component 1: Setting “Key Partner” Utilization Goals for certified firms in disadvantaged business communities ([Justice 40](#))

Component 2: Comprehensive Three-Year Mentor Protégé Program (with DC Water Support)

- As part of the certified firm utilization, each Prime will take on at least one protégé for the initial three-year period.
- Modified Mentor Protégé standards to incorporate a training plan that provides the experience and knowledge to take the lead/larger roles (on tasks averaging \$50k to \$200k).
- Prompt pay contract terms between mentors and proteges
- Proteges training to include a DC Water Led “Contractor Training and Growth Accelerator” Program

Component 3: Structured Capacity Building Support

- Connect the proteges DC Water’s Support Network:
 - Financial Support (WACIF, etc.)
 - Project Management Support (Construction Management Association of America)
 - Bonding & Insurance Agencies
 - Workforce Development Providers

Component 4: Active Removal of Barriers To Participation

- Active engagement between Compliance, Engineering, and Procurement during CIP Planning
- Reducing Bond requirements by setting them at the Task Order Level.
- Removing materials purchasing responsibility from contractors.
- Leveraging task orders to allow for faster work times, reduction of idle time, and faster cash flow
- Designing tasks that are right sized and structured in a manner that increases competition
- Preparing annual forecasts for tasks to allow for better planning by firms.



Recommendation

That the Committee approve Fact Sheets for the following projects:

- I. **Miscellaneous Facility Upgrades (MFU) - Vertical**
 - I. Scope: Blue Plains wastewater treatment & pump stations, planned and emergency work
 - II. Challenges: Highly specialized, high risk, difficult to design, difficult to perform, long lead times
 - III. Marketplace: Limited supplier and contractor availability // Negotiations Advantage – Contractor
- II. **Small Diameter Water Main Replacements (SDWMR) - Linear**
 - I. Scope: Mains & Laterals, planned & urgent work (Sewer Program will have similar approach)
 - II. Challenges: Routine pipeline work, permitting delays, material lead times increasing
 - III. Marketplace: Limited suppliers, sufficient contractor availability // Negotiations Advantage – Equal
- III. **Lead Free DC (LFDC) - Linear**
 - I. Scope: Main activities are coordination, test-pitting, LSLR, and restoration
 - II. Challenges: Routine Service Lateral work, home-owner coordination, permitting delays, material lead times increasing
 - III. Marketplace: Limited suppliers, sufficient contractor availability // Negotiations Advantage – DC Water



APPENDIX



Miscellaneous Facility Upgrades (MFU) Procurement Approach

MFU-8, MFU-9, and MFU 10 were each scheduled to be solicited over the next three years, each as a single award Solicitation and Contract. Engineering and Procurement, in collaboration, formulated the following approach design to enhance reliability and resiliency of MFU:

- **Combined MFU 8, 9 & 10 planned solicitations** into a single \$160 Million Statement of Qualifications (SOQ) Solicitation
- **Received Five SOQs and qualified four (4) Contractors** based on experience, capabilities, and capacity
- **Award four (4) Task Order Based Construction Agreements**, each with a base term of 3-years and three 1-Year Options, and an agreement amount of not-to-exceed \$40 Million

Expected Outcomes: Increased contractual capacity, increased flexibility and options for project execution, increased leverage for DC Water, risk management and mitigation, a process to pro-actively develop opportunities for *local based firms*, attract more DC- based primes and subcontractors.



Small Diameter Water Main Replacements (SDWMR) - Procurement Approach

Nine (9) IFB Solicitations were scheduled to be solicited over the next three years, each as a single award Solicitation and Contract. Engineering and Procurement collaborated to develop and recommend the following approach which is designed to enhance reliability and resiliency of SDWMR:

- **Combined individual budgeted projects** into a single \$120 Million Statement of Qualifications (SOQ) Solicitation.
- **Received eight (8) SOQs and qualified seven (7) Contractors** based on experience, capabilities, and capacity.
- **Award Qualified Contractors a Task Order Based Construction Agreement**, each with a base term of 3-years and three 1-Year Options. The MSA's will have an initial contract amount of \$0. As Tasks are awarded, the award amounts will be tracked for each contract in Oracle. This is designed in attempt to reduce the administrative burden of managing 7 contracts.

Expected Outcomes: Increased contractual capacity; increased speed, flexibility, and options for project execution; increased leverage for DC Water, risk management and mitigation; fewer change orders, claims, disputes, a process to pro-actively develop opportunities for *local based firms*, attract more DC- based primes and subcontractors.

DETs will use this contract for special and urgent projects rather than using the IR&R contracts.



Lead Free DC (LFDC) Lead Service Line Replacements Contracting Approach

This solicitation is currently Active and scheduled to close on 11/9/2022. The approach differs from MFU and SDWMR, because the solicitation as published does not include provisions for awarding Task Order Agreements as result of the Solicitation. Engineering and Procurement collaborated to develop and recommend the following approach which is designed to enhance reliability and resiliency of LFDC:

- **LFDC Team identified** \$180 Million 3-year budget and solicited via Statement of Qualifications (SOQ) Solicitation.
- **Received XX (XX) SOQs and qualified YY (YY) Contractors** based on experience, capabilities, and capacity.
- **Award Qualified Contractors a Task Order Based Construction Agreement**, each with a base term of 3-years and three 1-Year Options. The MSA's will have an initial contract amount of \$0. As Tasks are awarded, the award amounts will be tracked for each contract in Oracle. This is designed in attempt to reduce the administrative burden of managing 7 contracts.

Expected Outcomes: Increased contractual capacity, increased flexibility and options for project execution, increased leverage for DC Water, risk management and mitigation, a process to pro-actively develop opportunities for *local based* firms, attract more DC- based primes and subcontractors.



Background

Significant differences between Current Approach and New Approach

Current Approach	New Approach
Single Contractor via RFP or IFB Statement	Multiple Contractors via Qualification (SOQ)
Award Project Work via Solicitation	Award Project Work via Task Order
Board of Directors Awards Solicitations	Board of Directors approves contracts & Procurement Awards Task Orders*

** Note: Task Order is awarded by Procurement per Delegation of Authority*

The Fact Sheet dollar amounts are larger than typical fact sheets:

MFU	SDWMR	LFDC LSLR
\$160 Million	\$120 Million	\$180 Million

EQ & Ops Fact Sheet Schedule:

November 2022	December 2022
Request approval for MFU and SDWMR	Request approval for LFDC LSLR



Community & Stakeholder Outreach

MFU 8

10/06/2021-Request for Interest published to request information and obtain industry input to support DC Water's Miscellaneous Facilities Upgrades Phase 8 (MFU-8) opportunity.
11/03/2021-Outreach Event held to inform Contracting Community of the MFU 8 opportunity and request for feedback via response to the RFI.
11/10/2021- RFI Responses and feedback received from 5 contractors
02/01/22-02/28/2022-Procurement met with multiple contractors independently to discuss the MFU 8 opportunity, feedback from RFI and potential approach for the MFU 8 contract
05/04/2022-Conducted Virtual Outreach Event with NUCA members to discuss (upcoming MFU8, SDWMR, LFDC LSLR contracts)
05/24/2022-Conducted Outreach Event to discuss the Compliance Requirements and provide Procurement Updates for the solicitation to obtain additional feedback
07/15/2022-Posted Solicitation
07/25/2022-Pre-proposal meeting held for interested Contractors to provide high level review of the solicitation requirements.
8/17/2022-Addendum no. 1 issued to provide responses to questions and extend the Response Due Date to provide additional time to address bidders' questions in a collaborative meeting session
8/22/2022-Q&A Discussion meeting held for interested Contractors to collaboratively review questions and responses and discuss any follow-up questions and feedback
09/01/2022-Addendum no. 2 issued to provide responses to the suppliers' questions
09/08/2022-Responses due date
09/19/2022-Proposal distribution meeting
10/07/2022-Consensus Meeting
10/12/2022 and 10/13/2022-Discussion meeting with the shortlisted firms

SDWMR

02/04/2022-Conducted outreach event to discuss the SDWMR qualification opportunity with the Contractor community.
05/04/2022-Conducted Outreach Event with NUCA members to discuss (upcoming MFU8, SDWMR, LFDC LSLR contracts)
08/18/2022-Solicitation posted
09/12/2022- Pre-proposal meeting held for interested Contractors to provide high level review of the solicitation requirements and discuss questions.
09/22/2022-Solicitation close date

LFDC LSLR

08/10/2021 & 08/12/2021 -Conducted outreach event to discuss LFDC opportunity with the Contractor community to gain an understanding of Consultant and Contractor capacity and capabilities for lead line service replacement.
05/04/2022-Conducted Outreach Event with NUCA members to discuss (upcoming MFU8, SDWMR, LFDC LSLR contracts)
06/29/2022- Conducted Outreach Event to provide Procurement Updates for the solicitation and obtain feedback from contractor community
09/20/2022-Solicitation posted
10/06/2022-Pre-proposal meeting held for interested Contractors to provide high level review of the solicitation requirements and discuss questions.
11/09/2022-Solicitation close date



Fleet Purchasing Strategy



Information to Support the Fleet Purchasing Fact Sheet

Environmental Quality & Operations Committee

November 17, 2022



Maureen Holman, Vice President, Shared Services



Agenda

- Strategic Context – Reliable Imperative
- Status of Current Acquisitions
- Purchasing Strategy for FY23 and FY 24

Reliable Imperative Strategic Context



Minimizing service disruptions for customers by improving Fleet availability.

Reliable

A high performing network of systems and assets is critical to reliability, using real-time monitoring to inform better decision making. Our aim is to continue to deliver an excellent service for customers and ensure we minimize service disruption. This is enabled by ensuring we adopt an integrate and enterprise-wide approach in order to deliver services efficiently.





Status of Current Acquisitions



Fleet Acquisitions by year	Vehicle Quantity Purchased	Budgeted Amount	Vehicle Quantity Received to Date	Notes
FY 2021	69	\$5,786, 304	58	11 vehicles pending delivery <ul style="list-style-type: none"> • 8 valve trucks • Cargo Van • F550 Welder Truck • F750 ICB Truck
FY 2022	43	\$5,421,847	12	31 vehicles pending delivery <ul style="list-style-type: none"> • 26 vehicles pending receipt FY23 • 5 vehicles pending receipt FY24
TOTAL	112	\$11,208,151	70	42 pending delivery as of Oct 1, 2022



Purchasing Strategy for 83 Vehicles over the next Years Fact Sheet for FY23 & FY24



Vehicle Type	Estimated Quantities	Estimated Amount	Departments Receiving Vehicles
Pickup Trucks and SUVs	11	\$540,000	WS (2), WWT, WWT Maint (6), DPSO, SEC
Super Duty Pickup and Stake Body Trucks	12	\$830,000	WS, Facilities (3), WWT Maint (1), DPSO (3), DETS (2), Fleet (2)
Dump Trucks	6	\$1,160,000	Facilities; DPSO (5)
Backhoes and Skid Steer Loaders	4	\$590,000	DPSO (2), WWT
Stetcos and CCTV Inspection Van	3	\$1,130,000	DPSO (3)
Combination Jet Vac trucks	3	\$1,800,000	DPSO (3)
Intelligent Crew Body (ICB) Trucks	11	\$2,050,000	WS (7), DPSO (2), Fleet (2)
Valve Trucks	10	\$1,830,000	WS (10)
Cargo Vans	18	\$1,250,000	CS (9), SEC (2), WWT Maint (6), DPSO
Utility Carts and Fork trucks	3	\$170,000	DPSO, Fleet, WWT
Skimmer and floatable debris boats	2	\$650,000	DPSO (2)
TOTAL	83	\$12,000,000	



DC Water Fleet Management Purchasing Summary



💧 Total FY23/FY24 Vehicle Acquisition per Department

- Water Services 21
- Customer Services 9
- Wastewater Treatment 16
- Pumping & Sewer Ops 23
- Security 3
- Facilities 4
- Fleet 5
- Engineering 2

💧 From FY21 – FY24 DC Water Fleet will have acquired 195 tagged vehicles, carts and boats.

- This represents a \$23M investment in capital equipment funding over 4 years in very challenging times given persistent COVID supply chain issues
- DC Water has approximately 600 vehicles; these acquisitions replace over 30% of the Fleet working through the backlog of old & outdated heavy equipment vehicles
- Procurement strategy places DC Water in position to focus on electric purchases of smaller vehicles and pickups (FY25-30 to meet Clean Energy DC goals) once departments have reliable equipment available at all times to maintain proper service levels.

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

ACTION REQUESTED

**GOODS AND SERVICES PURCHASE ORDER AWARD
FY23 & FY24 Fleet Vehicles and Equipment
(Joint Use)**

Requesting approval to issue Purchase Orders for FY23 & FY24 Fleet Vehicles and equipment not to exceed \$12,000,000.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Multiple Suppliers TBD	N/A	
K. Neal International Trucks, Inc. Hyattsville, MD (DBE)		DBE 28%
Pacifico Ford Philadelphia, PA (WBE)		WBE 25%

DESCRIPTION AND PURPOSE

Base Period Contract Value: \$12,000,000.00
Base Contract Period: 11-01-2022 – 09-30-2024

Purpose of the Expenditures:

Acquire approximately 85 replacement and new vehicles and equipment to replenish DC Water’s Fleet and meet new requirements.

Scope of Purchases:

Vehicle and equipment requirements will be adjusted and ordered to meet user department needs. List of replacement, new vehicle and equipment types and estimated quantities;

- 11 Pickup Trucks and SUVs
- 12 Super Duty Pickup and Stake Body Trucks
- 6 Dump Trucks
- 3 Utility Carts and Fork trucks
- 4 Backhoes and Skid Steer Loaders
- 2 Skimmer and floatable debris boats
- 3 Stetcos and CCTV Inspection Van
- 3 Combination Jet Vac trucks
- 11 Intelligent Crew Body (ICB) Trucks
- 10 Valve Trucks
- 18 Cargo Vans

Market conditions:

Supply chain shortages and high demand for vehicles and equipment continues to challenge the acquisition of new vehicles and equipment. Timing orders with the opening of manufacturers new model year order books requires close coordination with vehicle dealers and the ability to react quickly to changing market conditions. DC Water strives to utilize dealers with the metropolitan area to simplify warranty repairs. Lead times for some vehicles can be greater than 12 months.

Purchase Orders will be issued as funds are available.

PROCUREMENT INFORMATION

Contract Type:	Good and Services	Award Based On:	Best Value
Commodity:	Vehicles and Equipment	Contract Number:	N/A
Contractor Market:	Limited Market & Sole Source		

BUDGET INFORMATION

Funding:	Capital	Department:	Shared Services
Service Area:	DC Water Wide	Department Head:	Maureen Holman

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	85.89%	\$6,488,989.50
Washington Suburban Sanitary Commission	9.91%	\$748,700.50
Fairfax County	2.54%	\$191,897.00
Loudoun Water	1.33%	\$100,481.50
Potomac Interceptor	0.33%	\$24,931.50
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$7,555,000.00

BUDGET INFORMATION

Funding:	Capital	Department:	Shared Services
Service Area:	DC Water Wide	Department Head:	Maureen Holman

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$4,445,000.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$4,445,000.00

 / 11/04/2022
 Maureen Holman Date
 VP of Shared Services

 /
 Dan Bae Date
 VP of Procurement

Dan Bae
 C=US, E=dan.bae@dowater.com,
 O=District of Columbia Water and
 Sewer Authority, OU=VP of
 Procurement & Compliance,
 CN=Dan Bae
 2022.11.04 11:57:30-04'00'

Matthew T. Brown Digitally signed by
 Matthew T. Brown
 Date: 2022.11.09 17:29:07
 -05'00' /
 Matthew T. Brown Date
 CFO and EVP of Finance and Procurement

_____/_____
 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

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

This contract action is to execute option year 3 in the amount of \$14,000,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Colonial Chemicals, Inc. 916 West Lathrop Avenue Savanah, GA 31415	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Base Period Contract Value:	\$7,000,000.00
Base Contract Period:	01-13-2020 – 01-12-2021
Option Year 1 Value:	\$6,500,000.00
Option Year 1 Dates:	01-13-2021 – 01-12-2022
Option Year 2 Value:	\$9,270,000.00
Option Year 2 Dates:	01-13-2022 – 01-12-2023
Option Year 3 Value:	\$14,000,000.00
Option Year 3 Dates:	01-13-2023 – 01-12-2024

Purpose of the Contract:

To secure the consistent supply and delivery of methanol to the Blue Plains Advanced Wastewater Treatment Plant. Methanol is used as the nutrient for bacteria in the Nitrification section of Blue Plains, where nitrogen is removed to comply with DC Water’s environmental permits as required by the EPA.

DC Water dual-sources methanol to assure continuity of supply. Colonial Chemical was awarded 90% of our volume requirements, and Mitsubishi was awarded 10%.

Contract Scope:

Under the contract, suppliers will deliver and provide all necessary equipment required to offload methanol into the designated storage tanks at the Blue Plains Wastewater Treatment.

The requested amount is significantly higher compared to previous years because global methanol pricing has risen significantly in the past year.

Spending Previous Year:

Cumulative Contract Value:	01-13-2020 to 01-12-2023: \$22,770,000.00
Cumulative Contract Spending:	01-13-2020 to 10-01-2022: \$19,470,720.00

Contractor’s Past Performance:

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

No LBE/LSBE participation.

PROCUREMENT INFORMATION

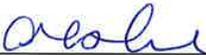
Contract Type:	Good and Services	Award Based On:	Best Value
Commodity:	Methanol	Contract Number:	19-PR-DWT-21A
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Operating	Department:	Wastewater Treatment
Service Area:	Blue Plains	Department Head:	Aklile Tesfaye

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	42.74%	\$5,983,600.00
Washington Suburban Sanitary Commission	42.85%	\$5,999,000.00
Fairfax County	9.16%	\$1,282,400.00
Loudoun Water	4.53%	\$634,200.00
Potomac Interceptor	0.72%	\$100,800.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$14,000,000.00

 / 11-3-2022
 Aklile Tesfaye Date
 VP of Wastewater Operation

_____/_____
 Dan Bae Date
 VP of Procurement

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

_____/_____
 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

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

This contract action is to execute option year 3 in the amount of \$1,600,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

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

Base Period Contract Value:	\$700,000.00
Base Contract Period:	01-13-2020 – 01-12-2021
Option Year 1 Value:	\$700,000.00
Option Year 1 Dates:	01-13-2021 – 01-12-2022
Option Year 1 Modification Value:	\$480,000.00
Option Year 1 Modification Dates:	10-13-2021 – 01-12-2022
Option Year 2 Value:	\$1,030,000.00
Option Year 2 Dates:	01-13-2022 – 01-12-2023
Option Year 3 Value:	\$1,600,000.00
Option Year 3 Dates:	01-13-2023 – 01-12-2024

Purpose of the Contract:

To secure the consistent supply and delivery of methanol to the Blue Plains Advanced Wastewater Treatment Plant. The methanol is used as the nutrient for bacteria in the Nitrification section of Blue Plains, where nitrogen is removed to comply with DC Water’s environmental permits as required by the EPA.

DC Water dual-sources methanol to assure continuity of supply. Colonial Chemical was awarded 90% of our volume requirements, and Mitsubishi was awarded 10%.

Contract Scope:

Under the contract, suppliers will deliver and provide all necessary equipment required to offload methanol into the designated storage tanks at the Blue Plains Wastewater Treatment.

The requested amount is significantly higher compared to previous years because global methanol pricing has risen significantly in the past year.

Spending Previous Year:

Cumulative Contract Value:	01-13-2020 to 01-12-2023: \$2,910,000.00
Cumulative Contract Spending:	01-13-2020 to 10-01-2022: \$2,834,432.00

Contractor’s Past Performance:

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

No LBE/LSBE participation.

PROCUREMENT INFORMATION

Contract Type:	Good and Services	Award Based On:	Best Value
Commodity:	Methanol	Contract Number:	19-PR-DWT-21B
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Operating	Department:	Wastewater Treatment
Service Area:	Blue Plains	Department Head:	Aklile Tesfaye

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	42.74%	\$683,840.00
Washington Suburban Sanitary Commission	42.85%	\$685,600.00
Fairfax County	9.16%	\$146,560.00
Loudoun Water	4.53%	\$72,480.00
Other (PI)	0.72%	\$11,520.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$1,600,000.00

Aklile Tesfaye / 11-3-2022
 Aklile Tesfaye Date
 VP of Wastewater Operation

_____/_____
 Dan Bae Date
 VP of Procurement

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

_____/_____
 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD

Janitorial Services

(Joint Use)

Approval to award and fund a contract to provide janitorial services in the amount of \$5,000,000.00 for the base and four option years.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Clean Team Janitorial Services 700 12 th St. NW Washington, DC 20005 (DBE)	SUBS: Premier Group Services 7404 Executive Pl. Lanham, MD 20706 (WBE)	PARTICIPATION: DBE 94% WBE 6%
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DESCRIPTION AND PURPOSE

Base Period Contract Value:	\$1,008,697.54
Base Period Contract Dates:	12-15-2022 – 12-14-2023
No. of Option Years in Contract:	4
Total Option Year 1-4 Value:	\$3,991,302.46
Proposal Closing Date:	1-10-2022
Proposal Price Range	\$4,708,068.48 - \$34,510,171.06
Total Numbers of Proposals:	10

Purpose of the Contract:

To provide janitorial services to DC Water facilities. These services are required and help DC Water manage cleaning throughout the Authority.

Scope of the Contract:

Furnish the management, labor, materials, supplies, and equipment necessary to provide janitorial services for office spaces, locker and lunchrooms, the fleet building, trailers, the boat house, welding shops, pumping stations, and blower buildings COVID deep cleaning related expenses throughout all DC Water locations. A 10% contingency was added to the original offering to account for COVID deep cleaning expenses. Approval to award a contract to provide janitorial services in the amount of \$5,000,000.00 for the base and four option years is requested. Each option year will be awarded based on requirements, availability of funds and performance.

Supplier Selection:

This was an open market solicitation. Over 500 suppliers were invited to participate, and they were required to attend one of two mandatory site visits. Ten responses were received at the close of the solicitation. Clean Team Janitorial Services is recommended for this contract because they were rated overall the best on the evaluation criteria of qualifications, experience, technical approach, and price.

Clean Team Janitorial Services is the incumbent. They have a proven success record and expertise in performing the requirements set forth in the scope of work. The COTR is satisfied with Clean Team Janitorial Services' performance.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Best Value
Commodity:	Janitorial Cleaning Services	Contract Number:	10195
Project Area:	DC Water wide		

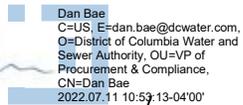
BUDGET INFORMATION

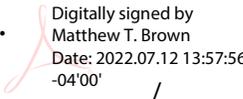
Funding:	Operating	Department:	Facilities Services
Project Area:	Authority Wide	Department Head:	Brent Christ

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	70.33%	\$3,516,500.00
Washington Suburban Sanitary Commission	22.20%	\$1,110,000.00
Fairfax County	4.75%	\$237,500.00
Loudoun Water	2.35%	\$117,500.00
Other (PI)	0.37%	\$ 18,500.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$5,000,000.00

 / _07/11/2022_
 Maureen Holman Date
 EVP of Administrative Services

 
 Dan Bae Date
 VP, Procurement

Matthew T. Brown 
 Digitally signed by Matthew T. Brown
 Date: 2022.07.12 13:57:56 -04'00'
 Matthew T. Brown Date
 CFO and EVP, Finance and Procurement

_____/_____
 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

**Miscellaneous Facilities Upgrade – Phase 8 (MFU-8)
(Joint Use)**

Approval to execute four Task Order Based Construction Agreements each with an agreement amount not-to-exceed \$40,000,000.00 for the agreement period of three years plus three renewal periods of one year each. The renewal periods will be approved at DC Water’s sole discretion.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
210080 A Allan Myers VA, Inc. 301 Concourse Blvd., Suite 300 Glen Allen, VA 23059	TBD	*See note below table regarding Utilization Goals.
210080 B American Contracting & Environmental Services, Inc. 10330 Old Columbia Road, Suite 102 Columbia, MD 21046	TBD	
210080 C Ulliman Schutte Construction 9111 Springboro Pike Miamisburg, OH 45342	TBD	
210080 D W.M. Schlosser Co Inc 2400 51 st Place Hyattsville, MD 20781	TBD	

*Four firms were qualified to participate on this Miscellaneous Facilities Upgrade Phase 8 program. Each of the four demonstrated a history of successfully meeting established goals for DBE/ WBE utilization. Additionally, the qualified firms agreed to work with DC Water to actively engage the certified business community and meet/exceed DC Water’s business diversity, equity, and inclusion goals established for each task order they are awarded.

DESCRIPTION AND PURPOSE

Program Value, Not-To-Exceed:	\$ 160,000,000.00
Contract Value, Not-To-Exceed:	\$ 40,000,000.00
Contract Time:	2190 Days (6 Years)
No. of Option Years in Contract:	3
Anticipated Contract Start Date (NTP):	01-10-2023
Anticipated Contract Completion Date:	01-08-2029
Bid Opening Date:	09/08/2022

Purpose of the Contract:

The Miscellaneous Facilities Upgrade program was solicited to qualify contractors to perform emergency and non-emergency rehabilitation and upgrades to wastewater, sewer, and water facilities including, but not limited to, process equipment, piping systems, electrical, mechanical, instrumentation and controls. Award of the qualified contractors will facilitate:

- Early engagement with Contractors and Suppliers for materials planning and constructability /risk mitigation.
- Efficient competition of well-defined projects via low bid competitive Task Orders as requested by DC Water.
- Negotiation of “not-well-defined” projects based on qualified contractor capability, capacity, prior task performance, DBE/WBE standing, and availability.

- Awarding of project Task Orders equitably by implementing a rotational bidding process.

Contract Scope:

Some of the major items of work included in MFU are:

- Construction of a new storm water drainage pump station at Blue Plains.
- Sludge, Scum and Water Line Replacements at Blue Plains.
- Return Sludge Line inspection and rehabilitate.
- Inflatable Dams Structure Replacement.
- Performing miscellaneous upgrades at Water, Stormwater and Sanitary Pump Stations.
- Response to emergency and critical work and other specialized services may be required and will be defined by DC Water during project execution.
- Specialized Services as per Task Scope.

Federal Grant Status:

- This Construction Contract is eligible for Federal grant funding assistance.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Request For Qualifications
Commodity:	Construction	Contract Number:	210080 (A, B, C, D)
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Wastewater Engineering
Service Area:	Wastewater, Storm, CSO, Water, Sanitary	Department Head:	David Parker
Project:	BR, BT, BX, EI, E8, EQ, FQ, HL, IY, J2, J6, NG, OB, OD, OE, OG, OH, OS, PE, PF, PM, RN, RH, RU, V1, V2, V3, V4, XA, XZ, YD		

ESTIMATED USER SHARE INFORMATION

BR, BT, BX, E8, EQ, EI, HL, IY, J2, J6, OB, OD, OE, OG, OH, OS, PM, PE, PF, RN, V1, V2, V3, V4 XA XZ YD - Blue Plains Allocation

User	Share %	Dollar Amount
District of Columbia	41.22%	\$ 50,472,735.43
Washington Suburban Sanitary Commission	45.84%	\$ 56,129,796.02
Fairfax County	8.38%	\$ 10,261,075.28
Loudoun County & Potomac Interceptor	4.56%	\$ 5,583,592.28
Total Estimated Dollar Amount	100.00%	\$122,447,199.01

FQ - MJ21

User	Share %	Dollar Amount
District of Columbia	89.70%	\$ 2,090,010.00
Washington Suburban Sanitary Commission	10.30%	\$ 239,990.00
Total Estimated Dollar Amount	100.00%	\$ 2,330,000.00

FQ, NG, RH - CAPM

User	Share %	Dollar Amount
District of Columbia	100.00%	\$27,574,678.00
Total Estimated Dollar Amount	100.00%	\$27,574,678.00

RH, FQ, RU, OB - MJ14

User	Share %	Dollar Amount
District of Columbia	49.80%	\$ 1,871,545.25
Washington Suburban Sanitary Commission	29.40%	\$ 1,104,888.16
Fairfax County	14.70%	\$ 552,444.08
Loudoun County & Potomac Interceptor	6.10%	\$ 229,245.50
Total Estimated Dollar Amount	100.00%	\$ 3,758,123.00

RU - MJ13

User	Share %	Dollar Amount
District of Columbia	24.40%	\$ 795,440.00
Washington Suburban Sanitary Commission	58.60%	\$ 1,910,360.00
Fairfax County	12.00%	\$ 391,200.00
Loudoun County & Potomac Interceptor	5.00%	\$ 163,000.00
Total Estimated Dollar Amount	100.00%	\$ 3,260,000.00

RU - MJ20

User	Share %	Dollar Amount
District of Columbia	90.00%	\$ 567,000.00
Washington Suburban Sanitary Commission	10.00%	\$ 63,000.00
Total Estimated Dollar Amount	100.00%	\$ 630,000.00

Total Combined Allocation

User	Share %	Dollar Amount
District of Columbia	52.11%	\$ 83,371,408.68
Washington Suburban Sanitary Commission	37.16%	\$ 59,448,034.18
Fairfax County	7.00%	\$ 11,204,719.36
Loudoun County & Potomac Interceptor	3.73%	\$ 5,975,837.78
Total Estimated Dollar Amount	100.00%	\$160,000,000.00

David Parker
Acting VP of
Engineering

_____/_____
Kishia L. Powell Date
COO and EVP

_____/_____
Dan Bae Date
VP of Procurement

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

_____/_____
David L. Gadis Date
CEO and General Manager

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

ACTION REQUESTED

**CONSTRUCTION CONTRACT CHANGE ORDER:
Small Diameter Water Main Replacement 12C
(Non-Joint Use)**

Approval to execute a Change Order No.001 for \$8,500,000. The modification exceeds the Chief Executive Officer and General Manager’s approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of D.C., Inc 2211 Channing Street, N.E. P.O. Box 21248 Washington, DC 20018	E&R Minority Supplier, LLC Sterling VA DBE	11.8%
	Omni Excavators, Inc. Washington DC DBE	11.2%
	S&J Services, Inc. Hyattsville, MD DBE	9.4%
	Acorn Supply & Distribution, INC Whit Marsh, MD WBE	6.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$ 5,767,648.00
Value of this Change Order:	\$ 8,500,000.00
Cumulative CO Amount, including this CO:	\$ 8,500,000.00
Total Contract Value, including this CO:	\$ 14,267,648.00
Original Contract:	445 Days (1 Year 3 Month)
Time extension, this CO:	416 Days (1 Year 2 Months)
Total CO Contract time extension:	416 Days (1 Year 2 Months)
Contract Start Date (NTP):	05-23-2022
Anticipated Contract Completion Date:	09-30-2024
Cumulative CO % of Original Contract	147.0%
Contract Completion %:	34.8%

Purpose of the Contract:

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

Original Contract Scope:

- Replace 1.47 miles of water mains ranging from three (3) inches to twelve (12) inches and associated valves and appurtenances.
- Replace water services two (2) inches in diameter and smaller in public and private space as needed.
- Replace curb stop / curb stop box, meter box and penetration through building wall and connection to first fitting inside the building including installation of a shut-off valve and pressure reducing valve.
- Provide permanent pavement and surface restoration.

Previous Change order Scope:

N/A

Current Change Order Scope:

To support the start of DC Water’s Lead-Free DC (LFDC) Program which will replace all lead service lines in the District of Columbia by 2030. The change order to this contract will provide construction resources for FY23-FY24 block-by-block lead service line replacements as a component of the LFDC Capital Improvement Program as the transition is made to the Lead-Free Group (LFG) Program and Construction Management (PM/CM) Team. The change order scope includes the following in addition to the original contract scope:

- Remove and replace existing lead and galvanized water service lines (which includes test-pitting and temporary restoration).
- Install new copper service line from corporation stop to building.
- Installation of Meters (provided by DC Water) Meter Boxes, Frame and Covers. Meter activation will be completed by DC Water staff.
- Installation of Curb Stop and Curb Stop Box.
- Private side tie-in and coordination with homeowners.
- Restore and/or replacement of asphalt and concrete roadways (i.e., permanent street restoration), brick and concrete sidewalks, landscaped areas, and other miscellaneous repairs that result from block-by-block projects.

Federal Grant Status:

- This construction contract change order 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:	160100
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	William Elledge
Project:	ST		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$8,500,000.00
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%	\$8,500,000.00

David Parker
Acting VP of
Engineering
for



Digitally signed by David Parker
DN:
E=David.Parker@dcwater.com,
CN=David Parker,
OU=Engineering, OU=WASA
Users, DC=dcwasa, DC=com
Date: 2022.11.10 16:07:30-05'00'

Kishia L. Powell
COO and EVP

Date

Matthew T. Brown
CFO and EVP of Finance and Procurement

Date



Dan Bae
VP of Procurement

C=US, E=dan.bae@dcwater.com,
O=District of Columbia Water and
Sewer Authority, OU=VP of
Procurement & Compliance, CN=Dan
Bae
Date: 2022.11.10 16:42:54-05'00'

Date

David L. Gadis
CEO and General Manager

Date

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

ACTION REQUESTED

CONSTRUCTION CONTRACT CHANGE ORDER:

**Small Diameter Water Main 14C
(Non-Joint Use)**

Approval to execute a Change Order No.01 for \$8,499,999.98. The modification exceeds the Chief Executive Officer and General Manager’s approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Fort Myer Construction Corp. 2237 33 rd St NE Washington, DC 20018	S&J Services, INC Hyattsville, MD DBE	32.0 %
	United Construction Services, LLC Upper Marlboro, MD WBE	6.0%

DESCRIPTION AND PURPOSE

Original Contract Value	\$ 11,639,133.75
Value of this Change Order:	\$ 8,499,999.98
Cumulative CO Amount, including this CO:	\$ 8,499,999.98
Total Contract Value, including this CO:	\$ 20,139,133.73
Original Contract:	550 Days (1 Year 6 Months)
Time extension, this CO:	626 Days (1 Year 9 Months)
Total CO Contract time extension:	626 Days (1 Year 9 Months)
Contract Start Date (NTP):	07-12-2021
Anticipated Contract Completion Date:	09-30-2024
Cumulative CO % of Original Contract	73.0%
Contract Completion %	15.0%

Purpose of the Contract:

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

Original Contract Scope:

- Replace 3.52 miles of water mains ranging from six inch to twelve inches diameter and associated valves and appurtenances.
- Replace copper water services 2 inch 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.
- Provide permanent pavement and surface restoration.

Previous Change order Scope:

N/A

Current Change Order Scope:

To support the start of DC Water’s Lead-Free DC (LFDC) Program which will replace all lead service lines in the District of Columbia by 2030. The change order to this contract will provide construction resources for the FY23-24 By-Block lead service line replacements as a component of the LFDC Capital Improvement Program as the transition is made to the Lead-Free Group (LFG) Program and Construction Management (PM/CM) Team. The scope of this change order includes the following in addition to the original contract scope:

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

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

Approval of task order based Small Diameter Water Main Replacement (SDWMR) Program with a program budget amount not-to-exceed \$120,000,000.00 for a period of three years plus three renewal periods of one year each and to execute seven Master Service Agreements (MSA) to the selected Qualified Contractors.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: See Attachment A for list of PRIME Qualified Contractor Participation.	SUBS: Subs will be identified for each task order awarded.*	PARTICIPATION: Participation will be established for each task order awarded.*
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* Seven firms were qualified to participate on this Small Diameter Water Main Replacement Program. Each of the seven demonstrated a history of successfully meeting established goals for DBE/ WBE utilization. Additionally, the qualified firms agreed to work with DC Water to actively engage the certified business community and meet/exceed DC Water’s business diversity, equity, and inclusion goals established for each task order they are awarded.

DESCRIPTION AND PURPOSE

Program Value, Not-To-Exceed:	\$120,000,000.00
Program Time:	2190 Days (6 Years)
No. of Option Years in Contract:	3
Anticipated Program Start Date (NTP):	02-15-2023
Anticipated Program Completion Date:	02-15-2029
Bid Opening Date:	09-22-2022
Qualified Bids Received (See Attachment A):	7

Purpose of the Program:

The Small Diameter Water Main Replacement Program was solicited to qualify contractors with SDWMR experience and to establish task order-based construction agreements to address small diameter water mains that have experienced failures, have a history of low water pressure, or have water quality issues. DC Water’s intends to improve the agility and flexibility of its Small Diameter Water Main Replacement Program by implementing the following fundamental changes to address current supply chain risks.

- Qualification process to identify and engage a pool of multiple contractors who have the capacity, capability and experience needed to successfully complete a SDWMR project.
- Issuance of master service agreements that will allow early engagement with Suppliers for materials planning and constructability /risk mitigation during project planning phase and the opportunity to efficiently compete for SDWMR projects as task orders.
- Implementation of a competitive task order process for SDWMR projects that will allow qualified contractors to compete through a concise task order rotational bidding and award process, intended streamlining bid execution to award and NTP within 30 days of bid close, reducing lead times.

Contract Scope:

- Replace 33 miles of water mains ranging from four (4) inch to twelve (12) inches and associated valves and appurtenances
- Replace water services 2" and smaller in public and private space as needed
- Replace curb stop / curb stop box, meter box and penetration through building wall and connection to first fitting inside the building including installation of a shut-off valve and pressure reducing valve
- Provide permanent pavement and surface restoration

Federal Grant Status:

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

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	230020
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	William Elledge
Project:	HX, BW, KE, KF		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 120,000,000.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$120,000,000.00

David Parker
Acting VP of
Engineering
for

_____/_____
Kishia L. Powell Date
COO and EVP

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

_____/_____
Dan Bae Date
VP of Procurement

_____/_____
David L. Gadis Date
CEO and General Manager

**CONSTRUCTION CONTRACT:
Small Diameter Water Main Replacement Program
(Non-Joint Use)**

**Attachment A
Qualified Contractors**

Anchor Construction Co Inc.
2254 25th Place NE
Washington, DC 20018

Capitol Paving of DC Inc.
2211 Channing Street, N.E.
Washington, DC 20018

Fort Myer Construction Corporation
2237 33rd Street, Northeast
Washington, DC 20018

Milani Construction LLC
2001 MLK Jr Ave, SE
Washington, DC 20020

Old Line Construction Inc
2972 Penwick Ln, Suite 201
Dunkirk, MD 20754

Sagres Construction Corp
3680 Wheeler Ave., Suite 300
Alexandria, VA 22304

Spiniello Companies
3500 East Biddle Street
Baltimore, MD 21213



BPAWTP UPDATE



Blue Plains Complete Treatment Performance Environmental Quality & Operations Committee November 17, 2022

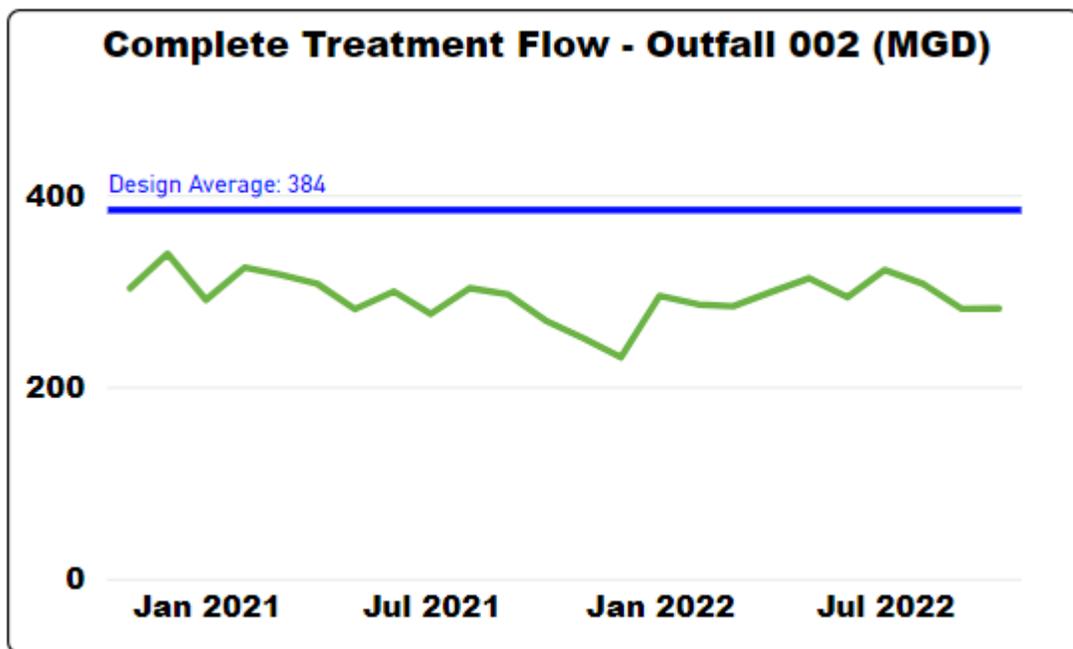


Aklile Tesfaye, Vice President, Wastewater Treatment Operations



Operational Performance Complete Treatment

Monthly Average Flow Trend to Complete Treatment (MGD)
October 2022



Summary

- Performance was excellent
- All effluent and biosolids qualities were within NPDES and Class A Biosolid Exceptional Quality requirements
- Average Outfall 002 flow was 281 MGD



Operational Performance Complete Treatment

EPA Compliance Inspection Report (CIR)

- CIR (37 pages) received by DC Water includes findings and conclusions of Annual NPDES Permit Inspection of permitted facilities completed in September by DOEE on behalf of EPA.
- Inspection included O&M of the Blue Plains Advanced Wastewater Treatment Plant and Tunnel System and Wet Weather Treatment Facility, O&M of Wastewater Conveyance and Pumping Systems, Clean Rivers Green Infrastructure Projects, and discharge outfalls.
- Documents review included Discharge Monitoring Reports (DMR) and supporting O&M and training records; pretreatment program, sampling and laboratory quality assurance/quality control records; Storm Water Pollution Prevention Plan (SWPPP); and hazardous waste management records.
- **Conclusion:** DC Water operates under the terms of the permit and properly utilizes capital and staff to manage the Blue Plains facility and related collection systems. DC Water has improved efforts to proactively identify issues before they arise using predictive maintenance and testing of equipment on the Blue Plains facility and in pumping stations and begun expanding predictive maintenance measures to other operational aspects covered under the permit.



Operational Performance Wet Weather Treatment Facility

Wet Weather Treatment Facility Performance October 2022

	October 2022*	Calendar Year 2022 (Through October)
Total Precipitation, inches	2.6	36.2
Total Volume Captured in the Anacostia Tunnel, MG	53	1953
Measured Overflow, MG	0	72
Percent Captured	100%	96%
Screenings and Grit Capture, tons	155	1212

Summary

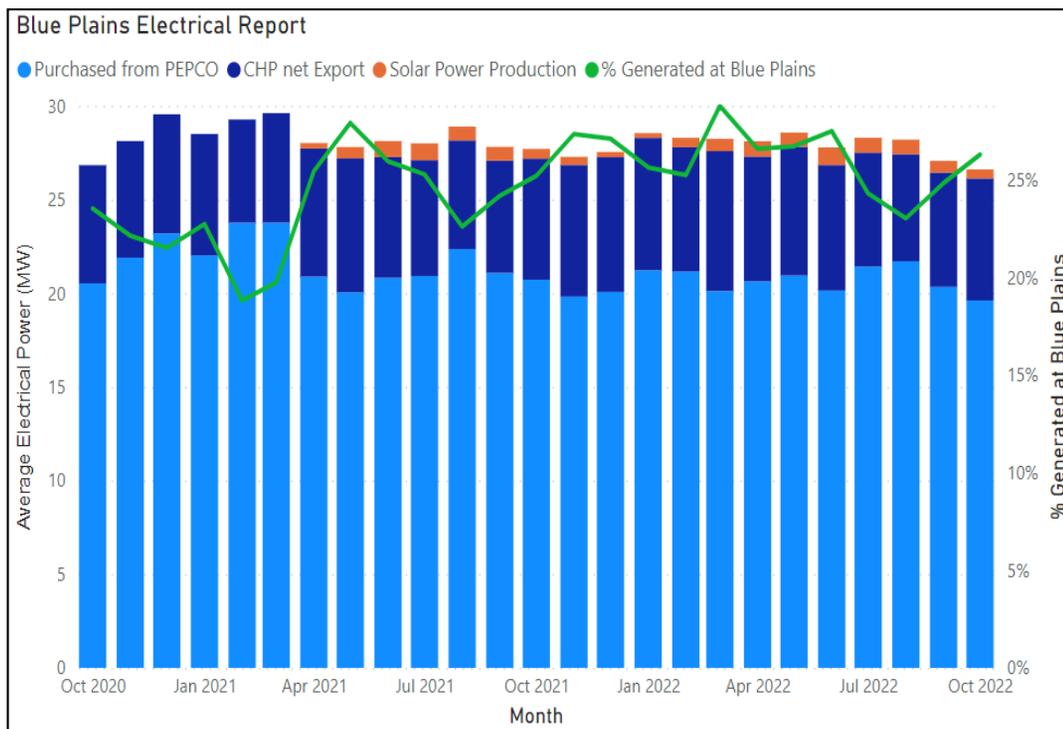
- Total of 53 MG of combined wet weather flow was captured in the tunnel and treated through the plant
- Preliminary data showed no overflows from CSOs associated with the existing Anacostia Tunnel System

*Based on preliminary data



Operational Performance Electrical Energy Use and Generation

Blue Plains Electrical Energy Use and Generation October 2022



Summary

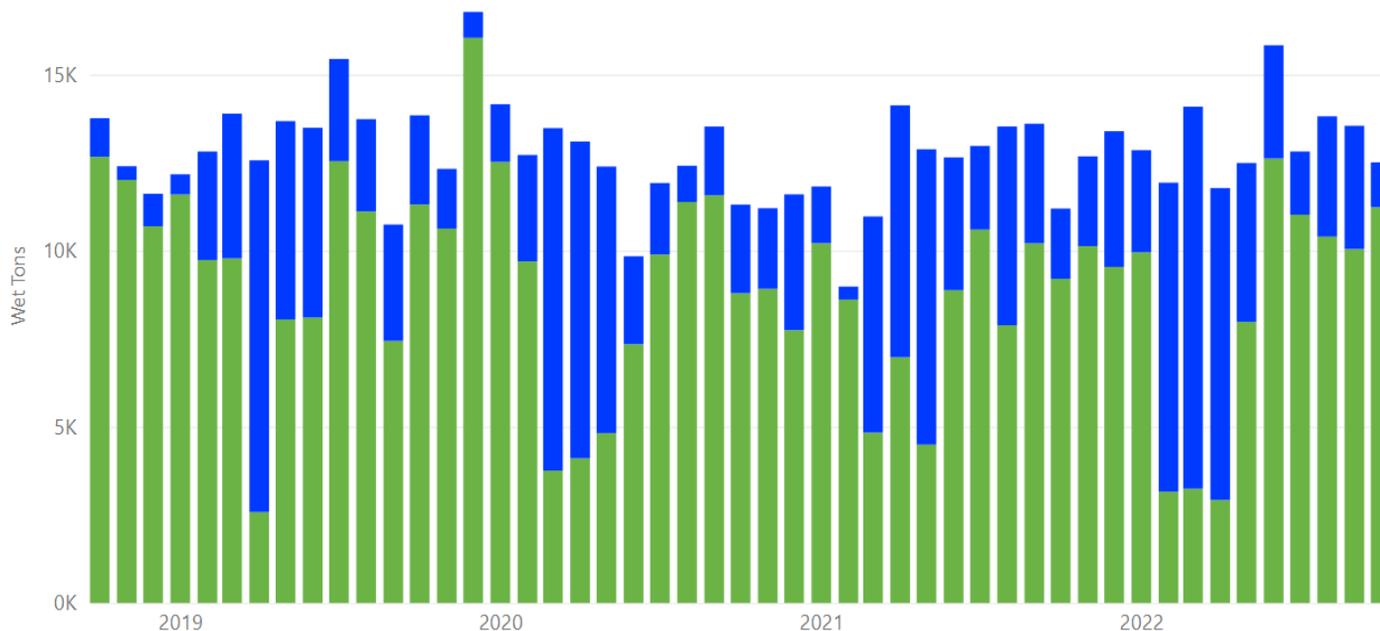
- 26% of electricity was generated onsite
- Combined Heat and Power (CHP) produced an average of 7.8 megawatts (MW), with 6.5 MW net to Blue Plains grid
- Solar System produced an average of 0.5 MW of power
- Total electricity consumption at Blue Plains averaged 26.6 MW
- DC Water purchased an average of 19.6 MW of electricity from PEPCO



Operational Performance Class A Biosolids Production

Total Production of Class A Biosolids and Beneficial Reuse by Type October 2022

● Land Application ● Marketing as Bloom



Summary

- 12,510 wet tons of Class A Biosolids were produced
- Blue Drop sold 1,274 tons of Bloom
- Marketing goal for FY 2022 is 60,000 wet tons