



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY Board of Directors

Meeting of the
Environmental Quality and Operations Committee

Thursday, September 19, 2024
9:30 a.m.

Microsoft Teams meeting
Join on your computer, mobile app
[Click here to join the meeting](#)
Meeting ID: 260 049 398 97
Passcode: DQBHL3
Or call in (audio only)
[+1 202-753-6714,,424543557#](#)
Phone Conference ID: 424 543 557#

9:30 a.m.	I	Call to Order	Sarah Motsch Chairperson
	II	Roll Call	Michelle Rhodd Board Secretary
9:35 a.m.	III	BPAWTP Performance Update	Nicholas Passarelli
9:40 a.m.	IV	Fire Hydrants Update	Sylvia Okogi
9:45 a.m.	V	Water Quality Monitoring	Maureen Schmelling
9:50 a.m.	VI	CIP Quarterly Update	Paull Guttridge, Ryu Suzuki
10:05 a.m.	VII	A Different Approach to Emergency Repair Program Concept	Salil Kharkar
10:20 a.m.	VIII	Action Items	Moussa Wone, Ryu Suzuki, William Elledge, John Pappajohn

Joint Use

1. [Agreement No. DCFA-536-WSA – Program Management for CSO Long-Term Control Plan and Other Services – Greeley and Hansen LLC](#)
2. [Contract No. DCFA-550-WSA – Process Facilities Program Management \(PFPM\) – Stantec Consulting Services, Inc](#)
3. [Contract No. 10039 – IT Software Maintenance Renewal – Environmental Systems Research Institute, Inc](#)
4. [Contract No. 10279 – Security Systems – Pavion \(d/b/a Enterprise Security Solutions\)](#)

Non-Joint Use

1. [DDOT Participation Project: Amendment – S St. Revitalization from 7th St NW to Florida Ave NW – district of Columbia Department of Transportation](#)
2. [Contract No. 200030 – Fact Sheet Small Diameter Water Main Replacement-16 A – Capitol Paving of DC, Inc](#)
3. [Contract No: 230020 – Small Diameter Water Main Replacement Program – Multiple Contractors](#)

10:50 a.m. IX Other Business/Emerging Issues

10:55 a.m. X Executive Session*

11:00 a.m. XI Adjournment

Sarah Motsch

Follow-up Items from Prior Meetings:

1. Getachew Melsew (Sr. Manager, Planning, Engineering): To provide copy of white paper on the equity analysis benefits and either a presentation to the full Board or the opportunity for Board Members to observe a training session on the equity analysis tool and dashboard. **Responses will be provided in January 2025.**
2. William Elledge (Director, Engineering and Technical Services): To provide a study to identify technology the Lead Free Team can use at a more efficient cost to do significant material verification. **Presentation will be provided in October 2024.**

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.



BPAWTP UPDATE



Blue Plains Complete Treatment Performance
Environmental Quality & Operations Committee
September 19, 2024

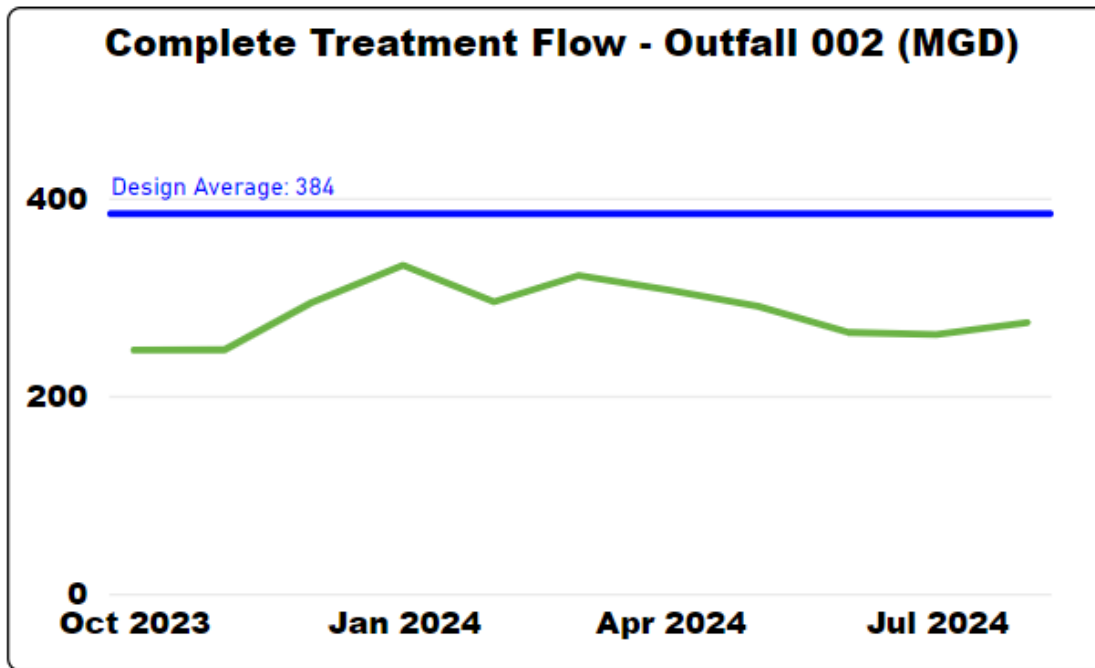


Elkin Hernandez, Director of Wastewater Treatment Operations



Operational Performance Complete Treatment

Monthly Average Flow Trend to Complete Treatment (MGD)



All weekly and monthly NPDES permit requirements were met

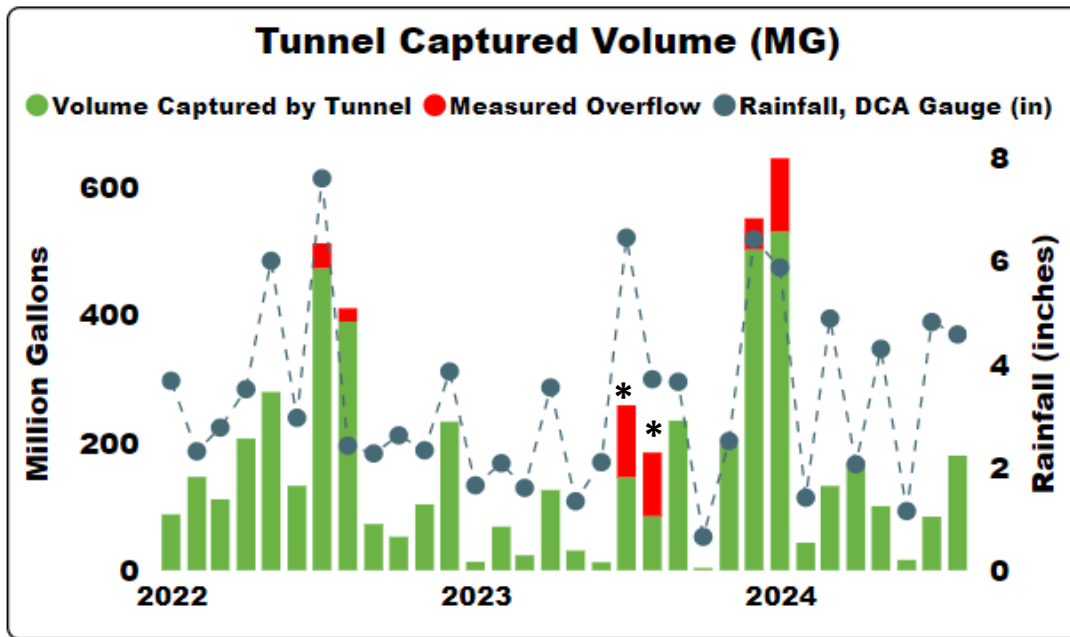
Average Outfall 002 flow for August 274 MGD

Peak Day flow for August 9th at 431 MGD



Operational Performance Tunnel Systems and Wet Weather Treatment

Anacostia River Tunnel System Monthly Performance 2022 – 2024 (Through August 2024)



Total Annual System Performance from Start-Up (2018-2023)

	Anacostia River Tunnel System
Number of events	290
Volume Captured, MG	16,229
Volume to CSO, MG	1,538
Percent Captured, %	91.0

Note: Total System includes Anacostia, Potomac, and Rock Creek
MG ~ Million Gallons
CSO~ Combined Sewer Overflow

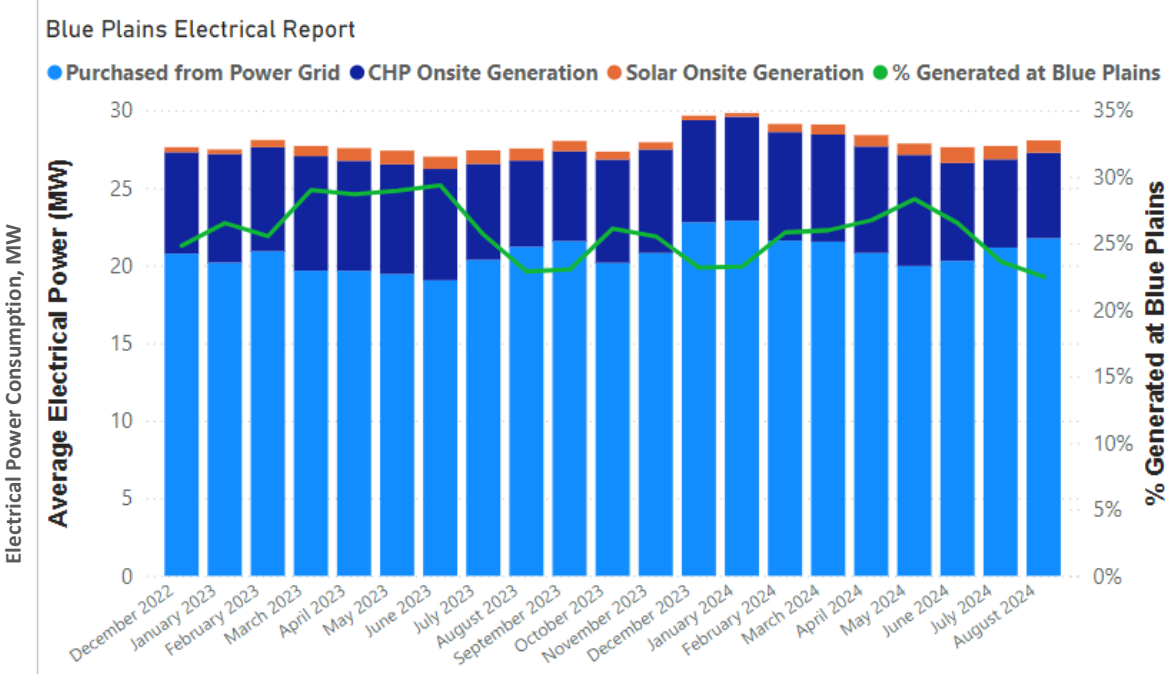
1443 MG of volume captured by Anacostia River Tunnel System in Calendar Year 2023 through December, with 262 MG overflow

* - CSO 019 diversion to tunnel was out of service July 5 - Aug 29, 2023, for commissioning of Northeast Boundary Tunnel, causing temporary increase in overflows. Necessary for safety of workers in tunnel. EPA/DOEE advised in advance.



Operational Performance Electrical Energy Use and Generation

Blue Plains Electrical Energy Use and Generation



22% of electricity was generated onsite

Combined Heat and Power (CHP) facility produced an average of 6.7 megawatts (MW), with 5.5 MW net to Blue Plains grid

Solar System produced an additional 0.80 MW of power on average

Total electricity consumption at Blue Plains averaged 28.1 MW

DC Water purchased an average of 21.8 MW of electricity from PEPCO

Total Purchased Power Savings FY24 through June: \$2,528,989

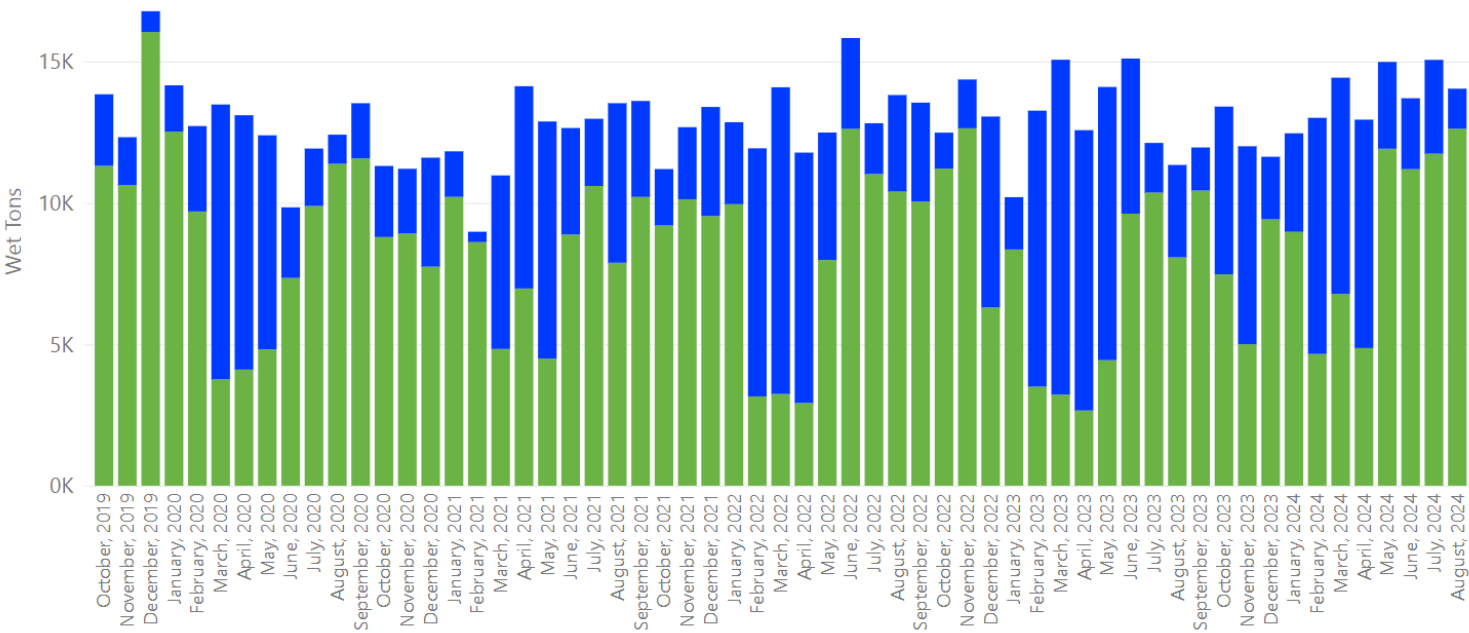
Note: Total Purchase Power Savings based on actual grid power invoicing to DC Water and power produced on site at CHP & Solar Panels.



Operational Performance Class A Biosolids Production

Total Production of Class A Biosolids and Beneficial Reuse by Type

● Land Application ● Marketing as Bloom



In August, Blue Drop sold approximately 1,416 tons of Bloom; for a total of 53,020 tons towards the FY24 goal of 65,000 tons.

Blue Plains Produced 14,041 tons of biosolids for the month with the remaining 12,625 tons managed through land application contracts.

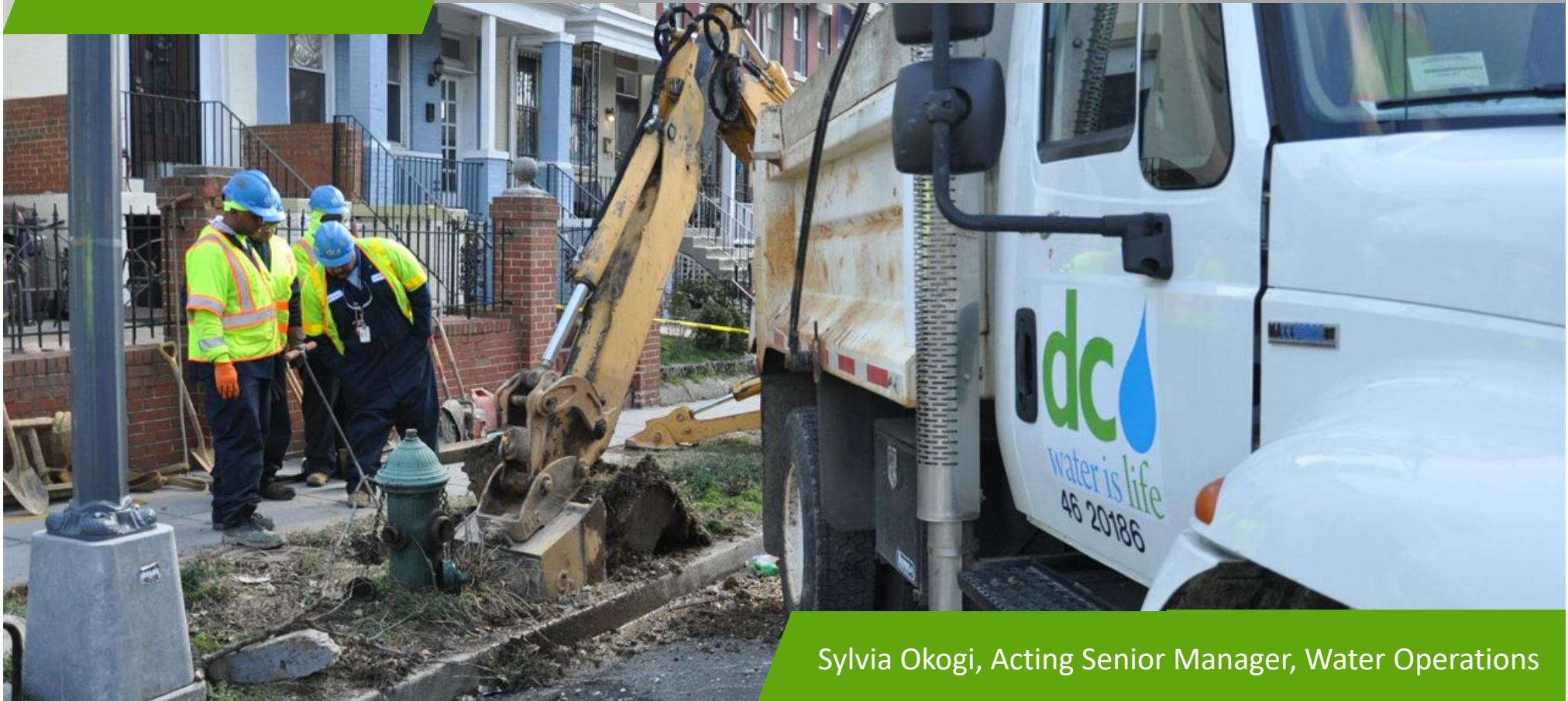


Fire Hydrant Update



Fire Hydrant Update

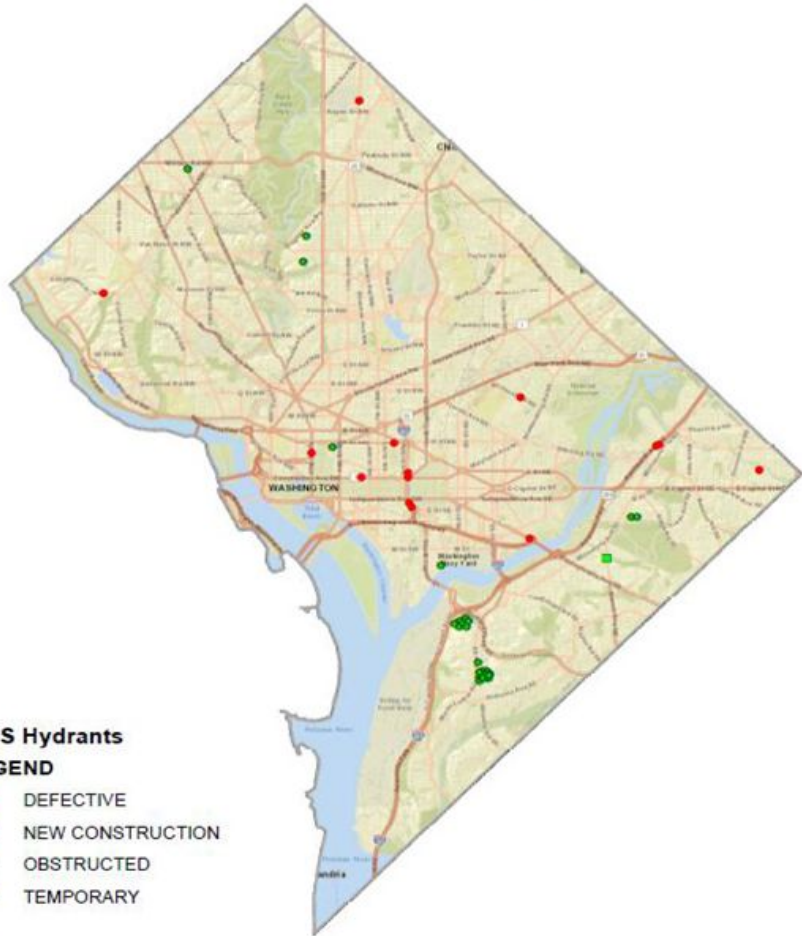
Environmental Quality & Operations Committee
September 19, 2024



Sylvia Okogi, Acting Senior Manager, Water Operations

Map of Public Out-of-Service Hydrants

September 06, 2024



Prepared By: Distribution Control Branch



Status Report of Public Fire Hydrants for DC Water Services Committee - September 6, 2024

	June Cmte. Report (June 5, 2024)	July Cmte. Report (July 5, 2024)	August Cmte. Report (August 2, 2024)	September Cmte. Report (September 6, 2024)
Public Fire Hydrants:	9,835	9,823	9,822	9,823
In Service:	9,791	9,780	9,781	9,780
Marked Out-of-Service (OOS)	44	43	41	43
OOS - defective requiring repair/replacement	15	15	12	14
% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)	0.15%	0.15%	0.12%	0.14%
OOS - due to inaccessibility or temp construction work	29	28	29	29

Note: The number of public hydrants in the DC Water system fluctuates; this number fluctuates as hydrants are added and removed during development or construction activities as well as at the request of the Fire Dept.

Breakdown of Public Fire Hydrants Out-of-Service (OOS) as of September 6, 2024 43

Breakdown of Defective	0-7 Days	8-14 Days	15-30 Days	31-60 Days	61-90 Days	91-120 Days	> 120 Days	Total
Hydrant Needs Repair/Investigation	1	0	0	0	0	0	0	1
Needs Valve Investigation for Low Flow/Pressure or Shut Test for Replacement	0	0	0	0	0	0	0	0
Needs Replacement	0	0	2	0	0	0	11**	13
Defective								14

Breakdown of Others	0-7 Days	8-14 Days	15-30 Days	31-60 Days	61-90 Days	91-120 Days	> 120 Days	Total
Temporarily OOS as part of operations such as a main repair	0	0	0	0	0	0	1	1
Construction* - OOS	0	0	0	0	0	3	25	28
Obstructed Hydrant - OOS hydrant due to operation impeded by an obstruction.	0	0	0	0	0	0	0	0
Others								29

*Fire hydrants not accessible due to construction activities. Also includes new hydrants which have not yet been commissioned or old hydrants which will be abandoned as part of ongoing construction projects.

**Fire hydrants pending replacements are due to constraints outside of our control at this time. Constraints include construction, critical customer impact, large Isolation, and critical Infrastructure Impact.



Water Quality Update



Water Quality Update
Environmental Quality & Operations Committee
September 19, 2024



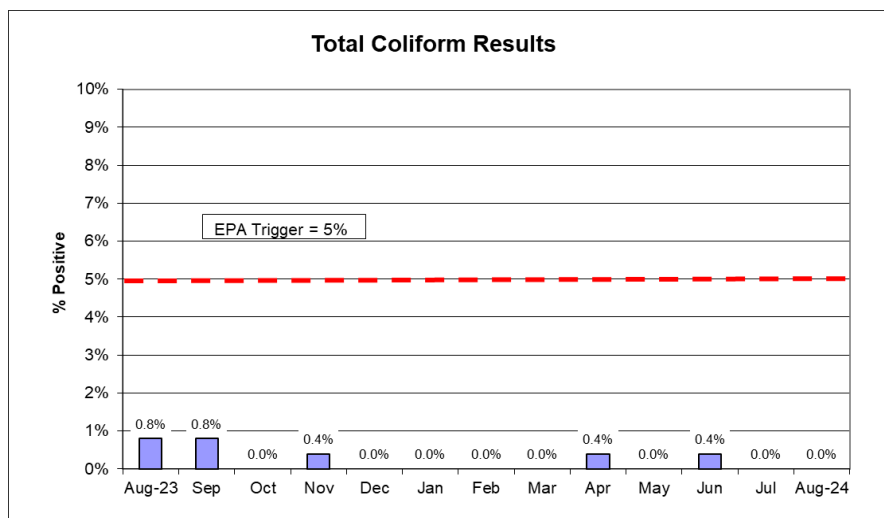
10 TAP WATER IS AFFORDABLE • SAFE • ECO-FRIENDLY

Maureen Schmelling, Director, Water Quality



Drinking Water Quality Update

Total Coliform Rule



- 240 minimum samples collected each month at over 50 government and commercial buildings

Lead and Copper Rule

Jan -June 2024	1 st Draw	2 nd Draw
90 th Percentile, parts per billion (ppb)	2.2	2.2
Number of samples	105	101
Number of samples > 15 ppb	0	1

90th Percentile should be less than 15 ppb (We are in compliance)

- 1st draw is a one-liter sample collected after minimum six hours of stagnation (no-water use period)
- 2nd draw is a one-liter sample collected after the 1st draw and filling and dumping three liters, resulting in between the 5th to 6th liter of water which is water that stagnated in the service line.



CIP Quarterly Update



CIP Quarterly Update

Environmental Quality & Operations Committee

September 19, 2024



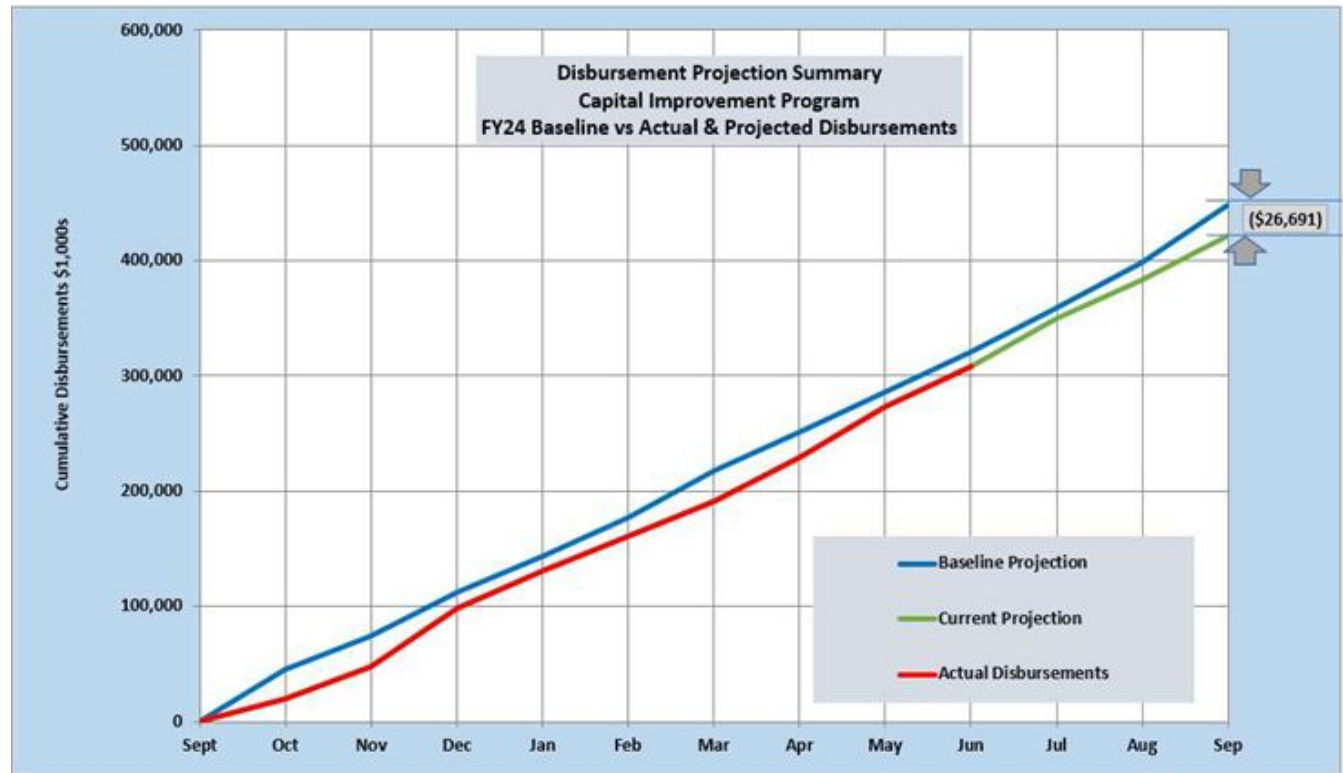
Paul Guttridge, Director CIP Infrastructure Management
Ryu Guttridge, Director Wastewater Engineering



CIP Quarterly Update

FY24 CIP Disbursement Performance

- The Baseline projection for FY24 was developed to better align with the anticipated execution of the planned work. Total Baseline budget is \$448.6M
- The actual total program disbursements through the end of Quarter 3 compared with the FY24 baseline budget are shown in the chart (right).
- The fiscal year 2024 thru Quarter 3 CIP disbursements were **\$308M** through the end of the Quarter.

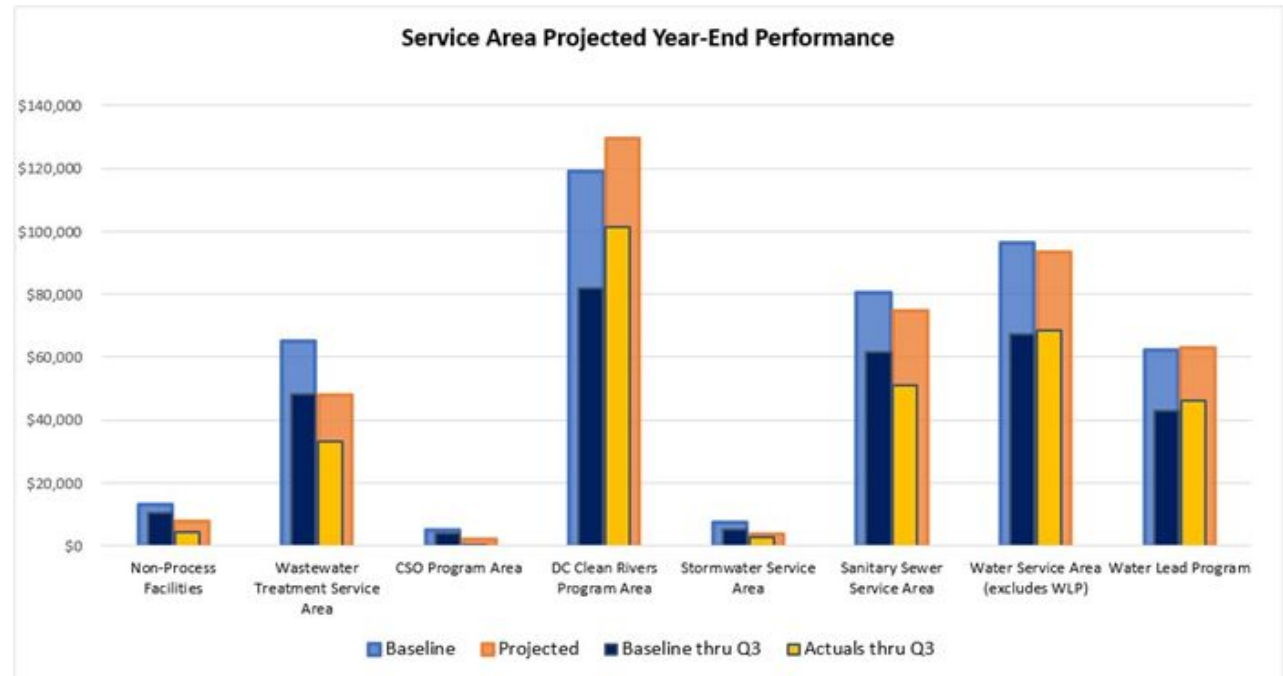




FY24 Performance by Service Area

Service Area Disbursements

- As of the third quarter, the forecast is on track to meet the overall target of \$448M, noting individual service area have varying deltas, as follows;
- DCCR is progressing ahead of anticipated progress and is expected to end above baseline at year-end.
- Both the Water program and Lead Program are on track.
- The Wastewater and Sewer Programs are below the baseline forecast.





Schedule - Key Performance Indicators (KPIs)

Summary of FY24 Key Performance Indicators:

	Performance
36	Total KPIs due this year
14	KPIs completed within threshold
12	KPIs outside threshold (>90 days)

Q3 KPIs achieved within the 90-day threshold:

Job	Job Name	KPI type	Due Date (Baseline)	Actual Completion
I302	Biosolids Curing Pad and Solar PV	Construction Start	01-Jun-24	01-Jun-24
EK02	Long Term Rehabilitation - Main Pump Station - Ph. 2	Design Start	28-Jul-24	01-Apr-24



New Emergency Responses

Northwest Boundary Trunk Sewer (NWBTS) Emergency Repair

- The NWBTS brick sewer, originally built in the 1800's, is constructed of brick above the springline and cobblestone below the springline. Missing and cracked cobblestones were discovered during a site walk in July 2024. In addition, a previous sinkhole in 2021 took place approximately 100' upstream of this area.
- Work started August and is expected to be completed in September 2024.
- Cost: Approx. \$2 Million



Northwest Boundary Trunk Sewer

Tiber Creek Emergency Repair

- Brick manhole deterioration at the southeast corner of F Street NE and 3rd Street NE was discovered during a planned inspection which could potentially lead to the destabilization of the roadway.
- The repair work commenced in August 1, 2024 and was completed on August 15, 2024.
- Cost: Approx. \$0.8M



Tiber Creek



Update on Emergency Project: Potomac Interceptor and East West Outfall Relief Sewer

Potomac Interceptor at Manhole 31

- Sinkhole discovered February 12, 2024. Bypass Pumping initiated.
- New temporary steel pipe installed to convey flow in collapsed segment
- Bypass pumping has been shut down, but pumps remain as contingency; heavy cleaning in progress.
- Original contract work will resume after heavy cleaning
- Expected Finish date: October 30, 2024

East and West Outfall Relief Sewer

- Project currently 29 % complete.
- Heavy cleaning of West channel completed in June 2024. Any additional accumulation of debris between now and diversion of flow will be removed by hand.
- Contractor substantially completed construction of the volleyball court. DOEE approval to remove erosion and sediment controls was received in July 2024.
- Expected Finish: projected rehab of 1st sewer February 2025 and 2nd sewer March 2025; restoration Spring 2025.

Anacostia Main Interceptor:

Phase 1: Heavy Cleaning: Completed June 3 2024

Phase 2: Rehabilitation Work to Address Emergency:

- Started: August 2024
- Geopolymer cementitious lining of ~2,000LF.
 - Rehabilitation and Construction: 6-9 months.
 - A bypass pump and piping will be used to dewater the pipe. Additional structures may be built to accommodate the bypass suction hoses.



Potomac Interceptor Manhole 31



Anacostia Main Interceptor

dc DC Clean Rivers Status

Area	Status
Anacostia River CSO Controls	
Anacostia Tunnel System	<ul style="list-style-type: none"> ❖ All CSO controls in service ❖ More than 17.4 billion gallons of CSO and 10,884 tons of trash/debris captured as of August 2024
Potomac River CSO Controls	
Potomac River Tunnel	<ul style="list-style-type: none"> ❖ Constructing relocated Ohio Drive at West Potomac Park ❖ Constructing support of excavation for mining shaft at West Potomac Park ❖ Advancing design packages
Rock Creek CSO Controls	
Green Infrastructure Project C	<ul style="list-style-type: none"> ❖ CMAR technical & price factor proposals received June 18, 2024 ❖ Evaluation and selection in progress
Piney Branch Tunnel	<ul style="list-style-type: none"> ❖ Environmental Assessment underway ❖ 90% design underway ❖ CMAR technical & price factor proposals received August 29, 2024; evaluation underway

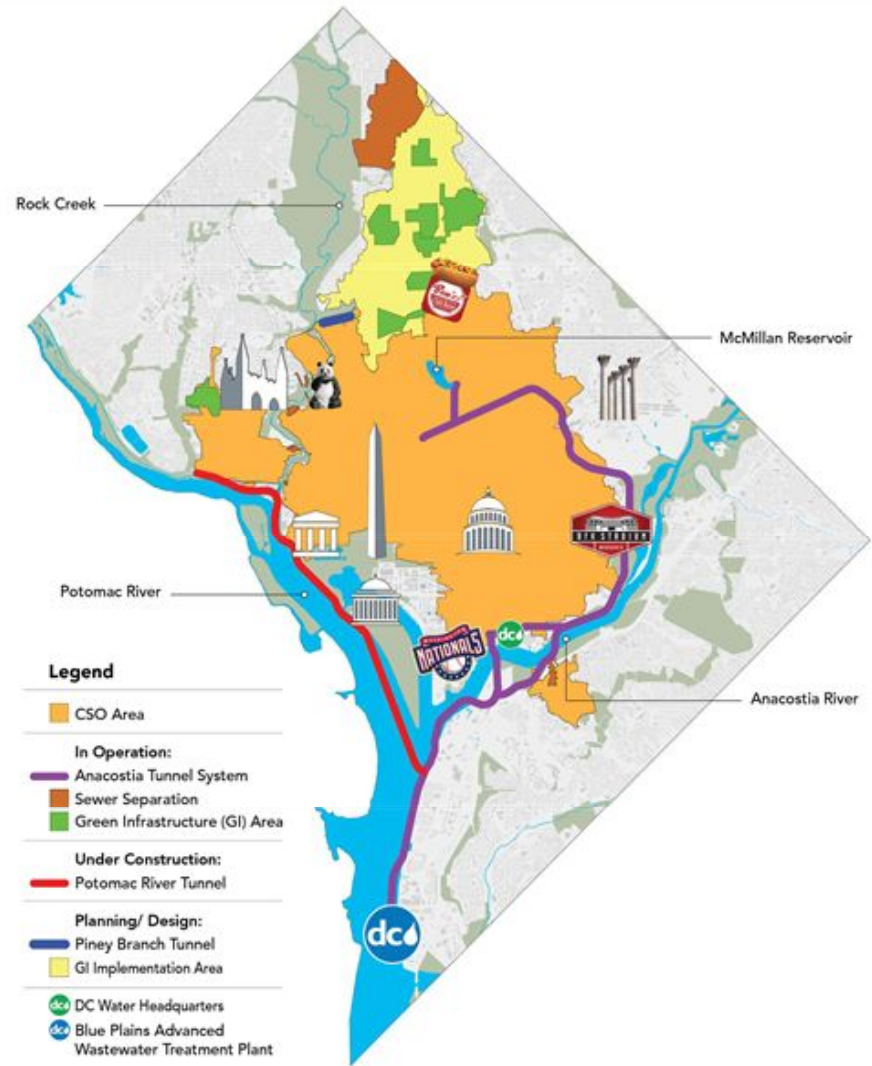


Trash /debris removal at Blue Plains

Potomac Tunnel Shaft Construction

Guide Walls for Shaft at West Potomac Park

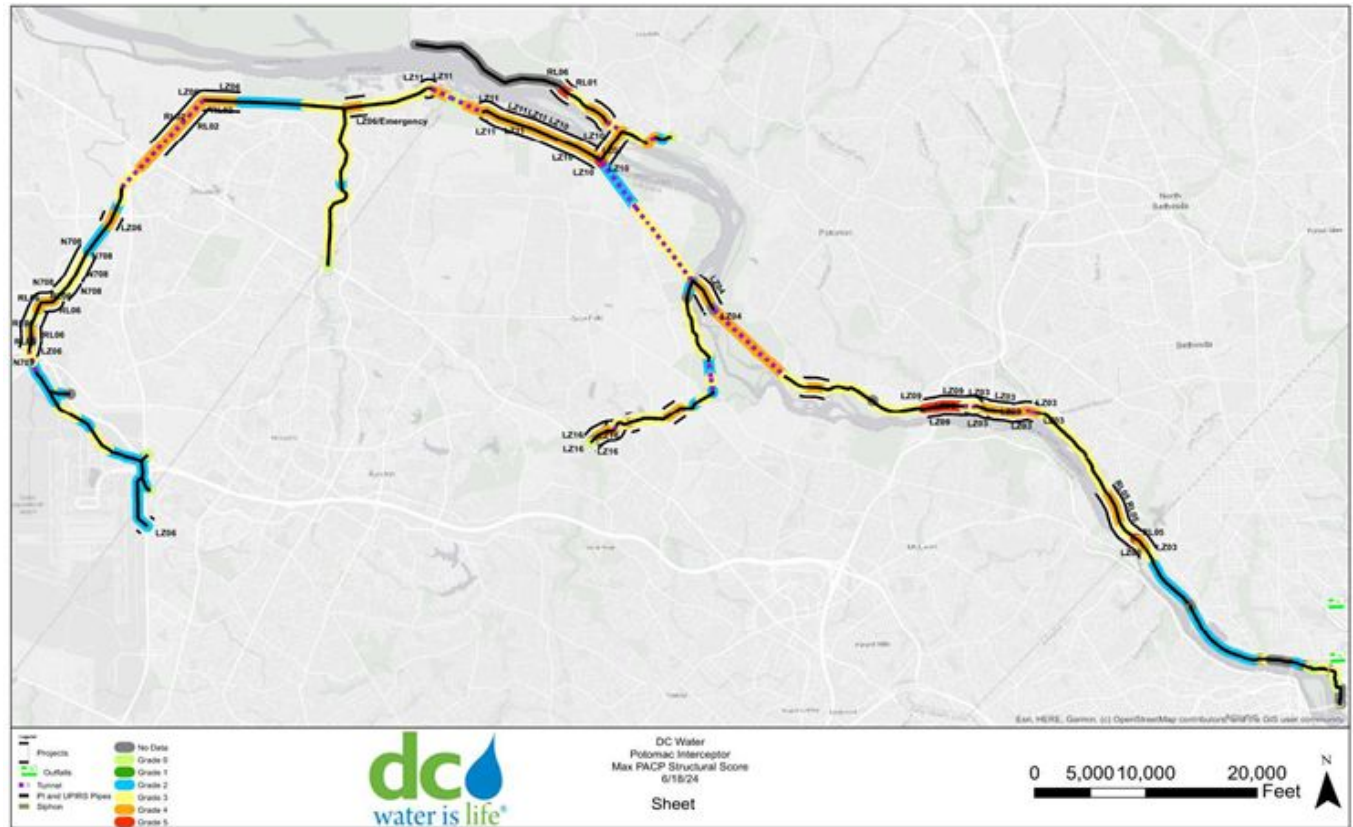
Piney Branch CSO 049 Outfall





Potomac Interceptor

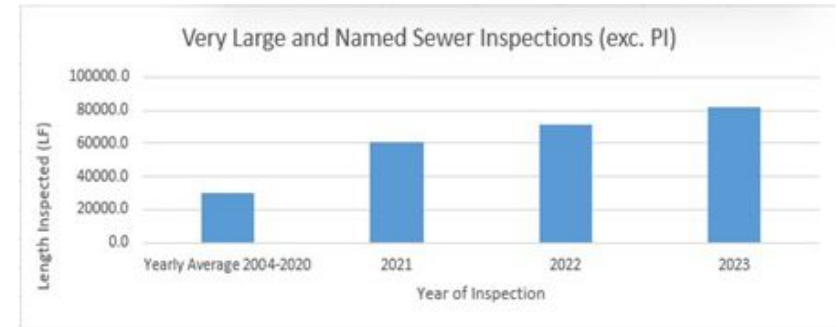
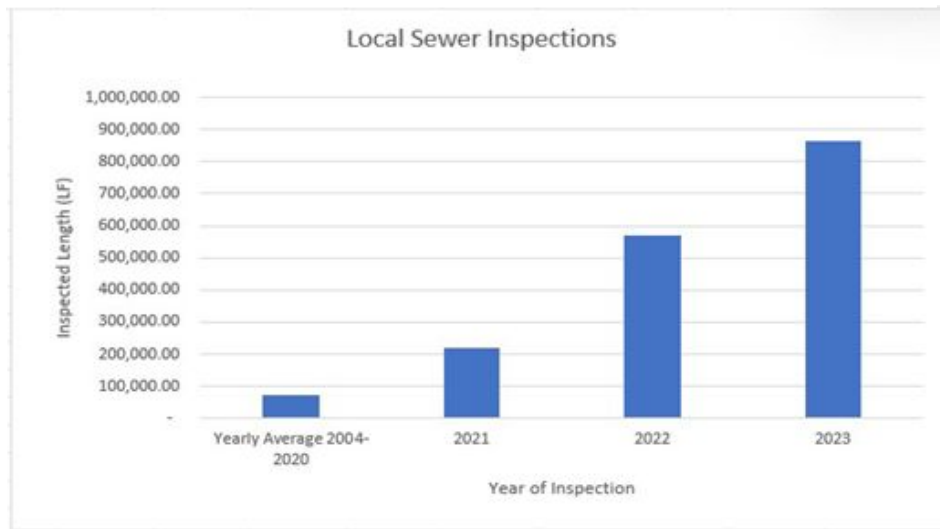
- Pipe experienced significant corrosion in selected sections
- No redundancy
- Current pipe status jeopardizes ability to deliver suburban flow to Blue Plains with associated regulatory ramifications
- Capital program being revised to include collaborative delivery, larger projects for more efficient project implementation





Sewer Pipe Condition Assessment Update

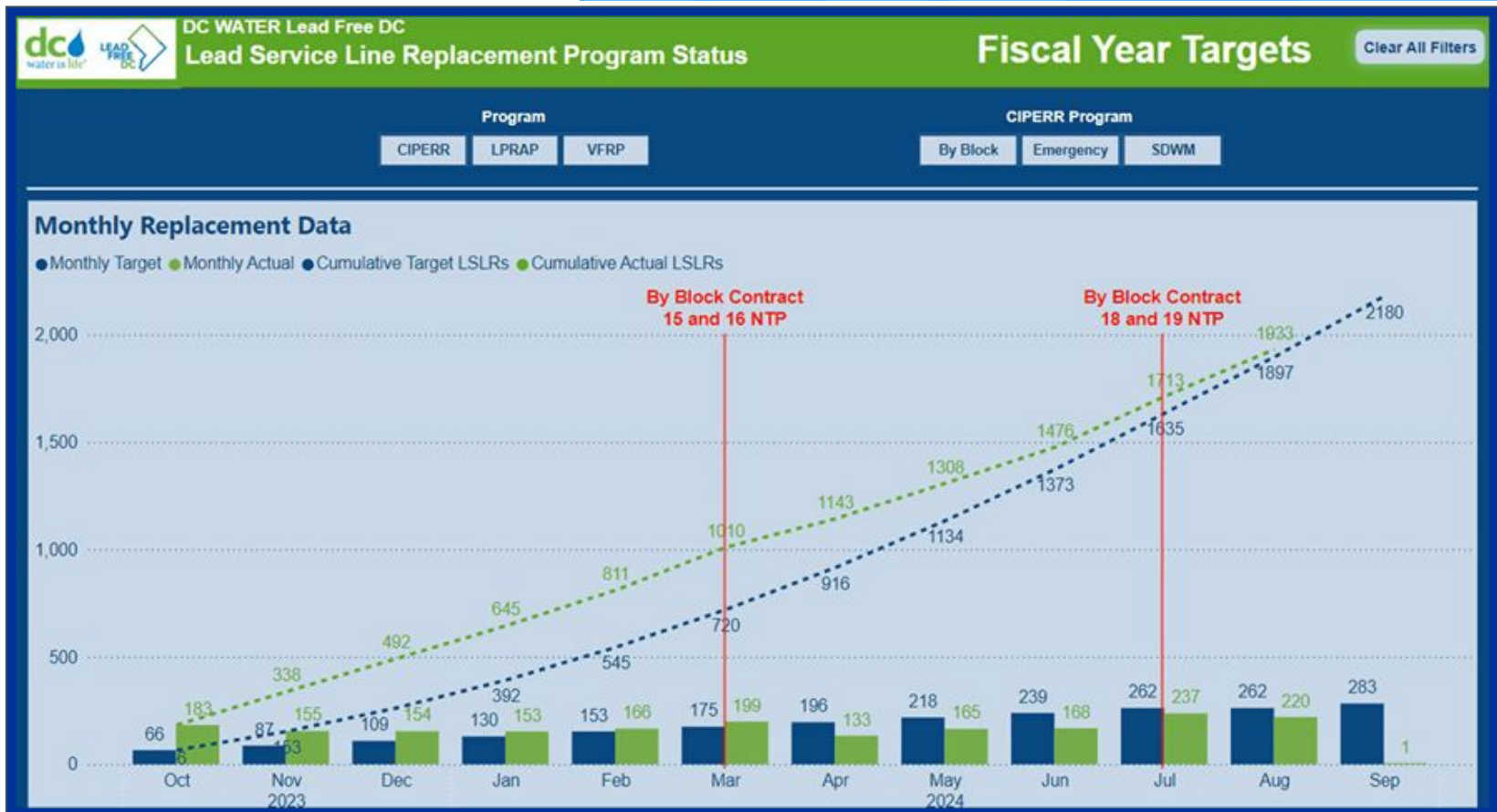
DC Water condition assessments have significantly ramped up since 2021



These assessments have proactively found problems before they became catastrophic failures such as:
East West Outfall Relief Sewer, Tiber Creek, Northwest Boundary Trunk Sewer.

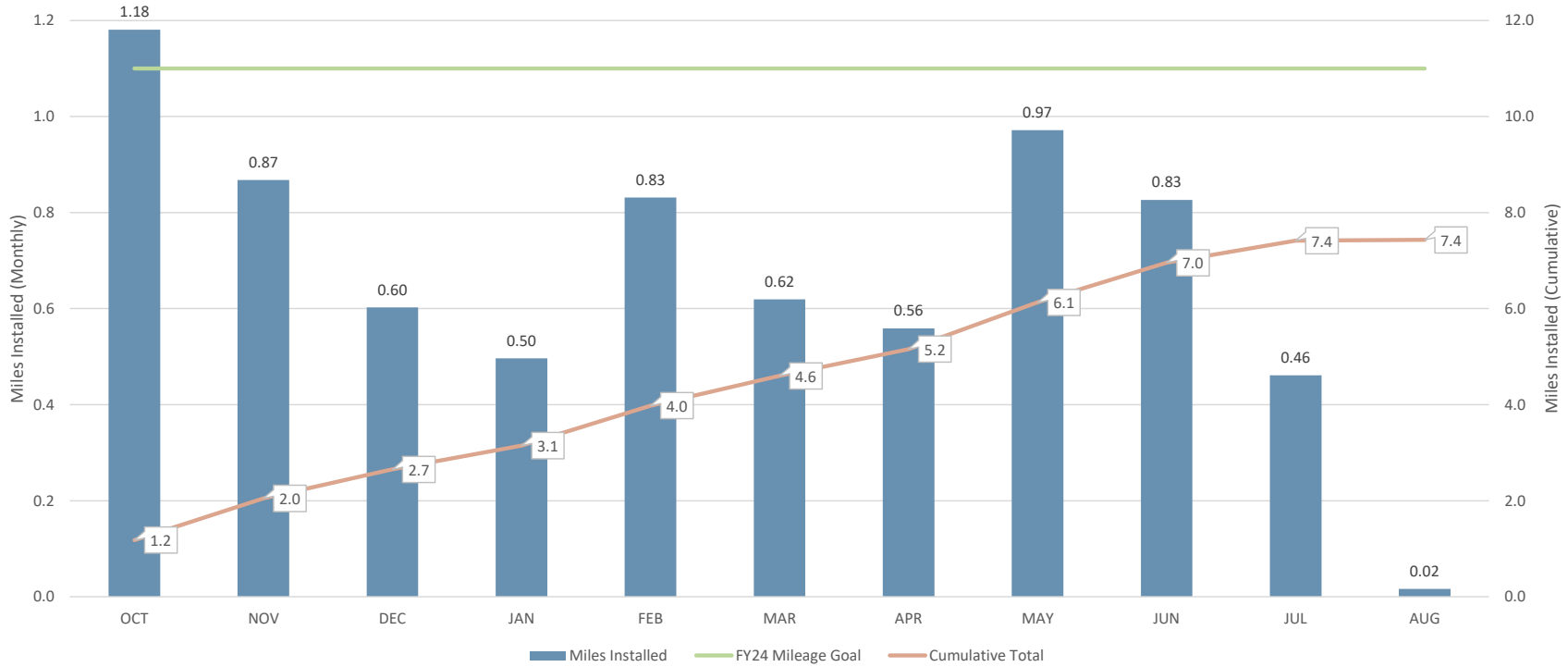


Lead Free DC



dc Small Diameter Water Main Replacement Mileage FY24

SDWMR Fiscal Year 2024 - Miles and Goals

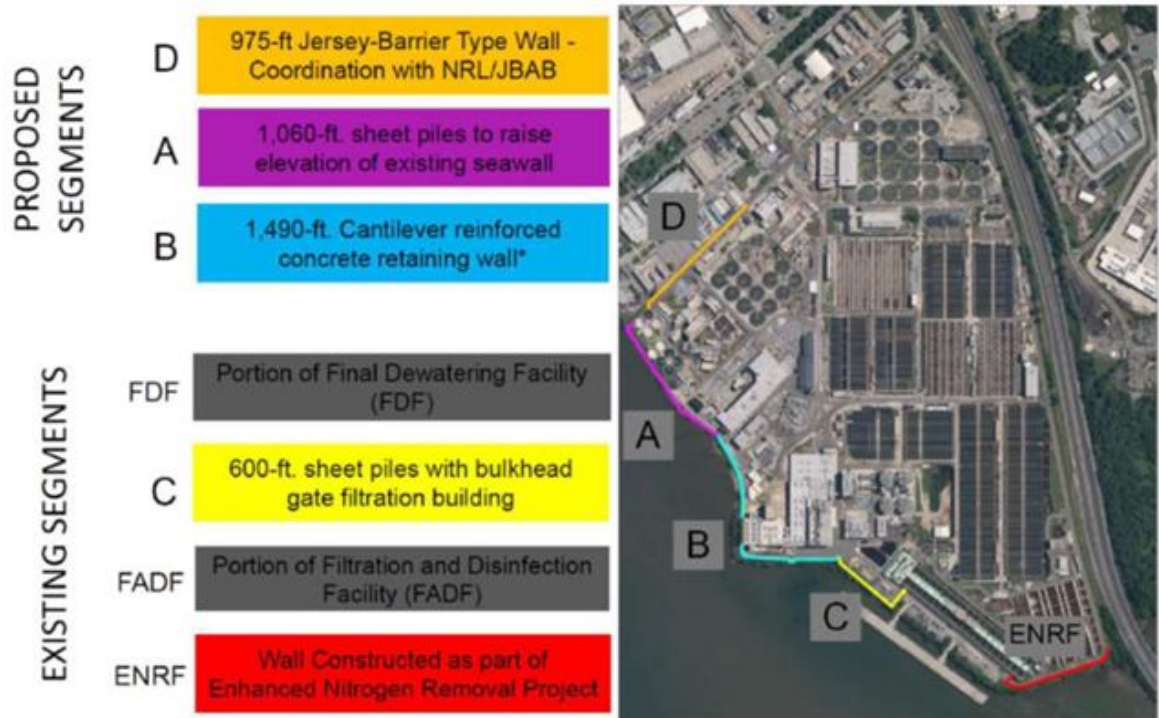


*August is underreported. Contractors are still submitting their Pay Apps.

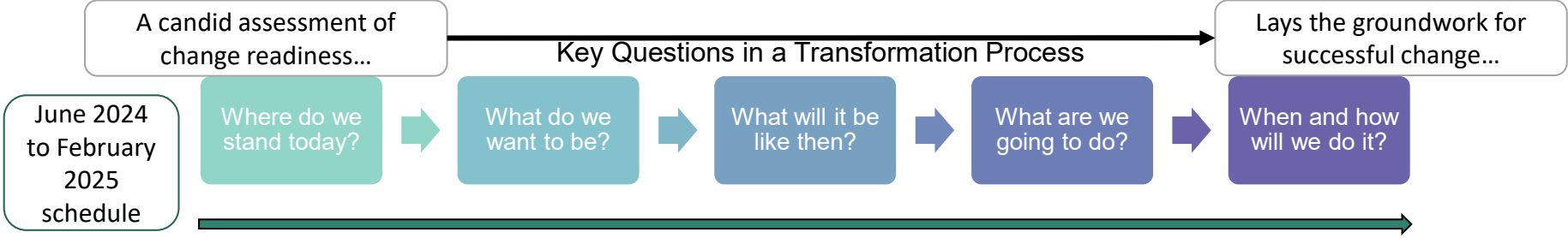


Blue Plains Flood Wall Update

- Project delivery method: Progressive Design-Build
- Last of the flood mitigation projects planned for Blue Plains
- Advance notification of FEMA grant award received, Phase 1 grant award letter forthcoming
- Solicitation: September 2024
- Phase 1 (Pre-construction) expected start: June 2025
- Phase 2 (Construction) expected start: January 2027
- Phase 2 expected finish: May 2028



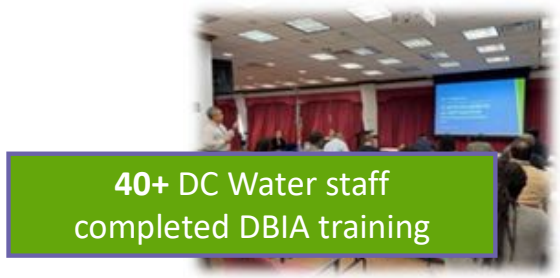
dc Collaborative Project Delivery Facilitator Update



- Focus on People:**
- Roles & Responsibilities
 - Training
 - Organization
 - Leveraging Partners
 - Culture Change and Staff Alignment

- Focus on PDB & CMAR Process:**
- Activities
 - Workflows

- Focus on Tools & Technology:**
- Consistency in approach
 - SOPs/Specifications/Design Manuals Update for PDB and CMAR
 - PM Platform (Unifier)



Engineering Division
Standard Operating Procedure (SOP)
2005 Stakeholder Identification and Engagement

Probability of Occurrence Categories for Qualitative Risk Assessment

Project Category	Frequency	Severity	Implication
High	High	High	High
Medium	Medium	Medium	Medium
Low	Low	Low	Low

Stakeholder Identification and Engagement

Stakeholder	Category	Engagement
DC Water	Internal	High
DC Public	External	Medium
DC Regulators	External	High

Approval: _____

Revision: _____

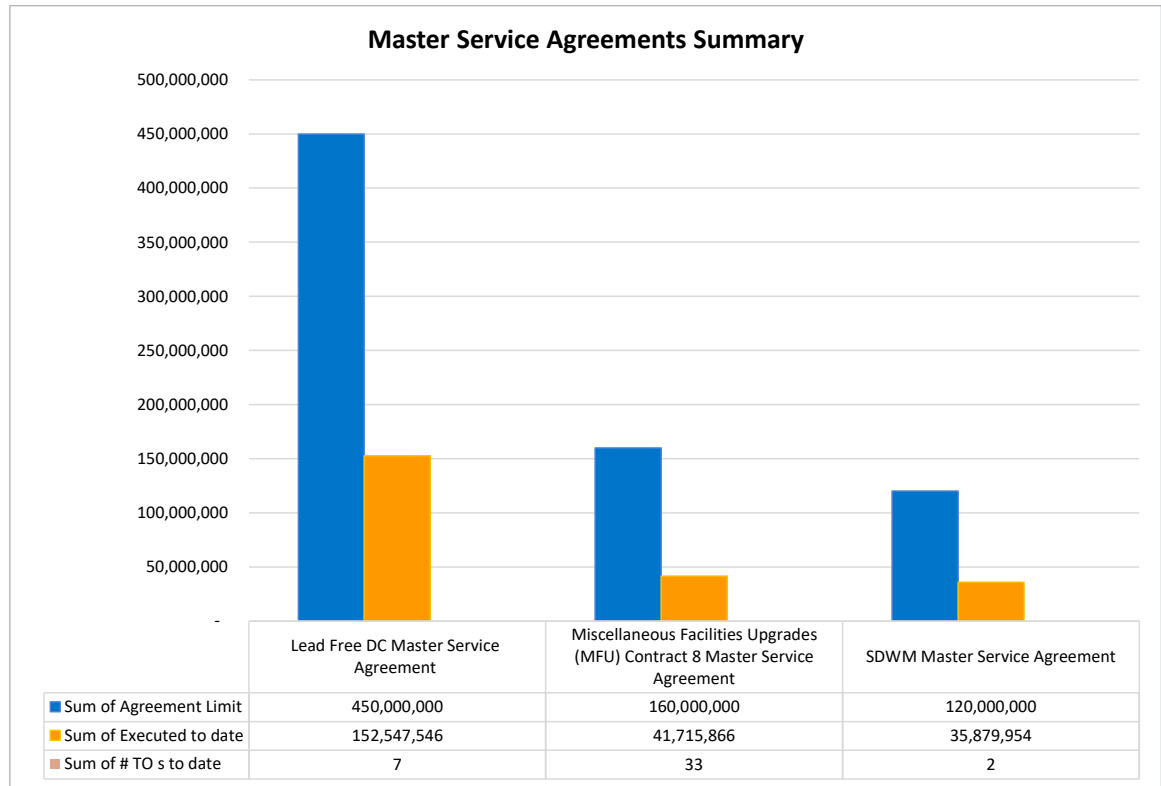
dc Master Service Agreements - Task Order Reporting

Master Service Agreements

- Issuance of MSAs allow early engagement with suppliers, for materials planning and risk mitigation, and allows the qualified contractors to compete thru concise **Task Order** bidding and award process reducing lead times.

Summary

MSA #	Agreement Title	Approved Contractors
210080	Miscellaneous Facilities Upgrades (MFU) Contract 8 Master Service Agreement	4
230020	SDWM Master Service Agreement	7
230030	Lead Free DC Master Service Agreement	8





Task Order Reporting Miscellaneous Facilities Upgrades (MFU) Contract 8

MFU Master Service Agreement:

- There are **4 Contractors** in the MFU8 MSA
- Total of **19 Task Orders** Issued this Fiscal Year, (33 to date)
- Total of **\$28M** executed this FY, (\$42M of the \$160M limit to date).

Task Order Number	Company Name	Task Order Amount	Executed Date
210080A - MFU 8 MSA Contract for Allan Myers			
TO-0041	Main Substation Yard Improvements	550,000.00	04/30/2024
TO-0048	TO 0048 9th & D Street PS Bypass Pumping Work AM	240,000.00	07/09/2024
TO-0045	Pre-Con 26th & K St. PS and Scott Circle PS	1,611,018.40	06/18/2024
TO-0033	TO 0045 Pre-Con 26th&K St. PS & Scott Circle PS AM	1,000,000.00	03/12/2024
TO-0019	TO 0019 West Primary Scum-PSW Replacment AM	2,200,000.00	10/25/2023
TO-0014	TO 0014 SHR CAV/SHR Short Term Leak Repair	475,000.00	10/11/2023
TO-0038	E&W Secondary Harmonic Correction Units	1,400,000.00	04/09/2024
TO-0025	TO25-Biosolids Curing Pad & Solar PV	10,650,000.00	06/01/2024
	Subtotal	18,126,018.40	
210080B - MFU 8 MSA Contract for ACE (American Contracting Envir. Services)			
TO-0036	PSL-PSW-PSC Piping Replacement	1,800,000.00	04/03/2024
TO-0051	Solids Compressed Air Interconnections	300,000.00	07/03/2024
TO-0049	Supplemental VFD Cooling for Potomac PS	300,000.00	06/27/2024
TO-0028	Cakebin Conveyor - Cakebin #4	200,000.00	02/12/2024
TO-0046	Pre-Con Inflatable Dams Replacement	99,660.00	06/27/2024
TO-0039	PDNA Pilot Demonstration	2,093,505.00	06/10/2024
TO-0021	TO-0021 DSLF Safety Repairs	10,525.00	12/03/2023
TO-0037	3rd & Va Avenue PS Framing Replacement	200,000.00	04/03/2024
TO-0043	Steam Pipe and Steam Pipe Replacement	350,000.00	07/15/2024
TO-0035	Asphalt & Conc Paving N/S Rd and CMF parking lot	1,400,000.00	03/01/2024
	Subtotal	6,753,690	



Task Order Reporting Miscellaneous Facilities Upgrades (MFU) Contract (cont)

MFU Master Service Agreement:

- There are **4 Contractors** in the MFU8 MSA
- Total of **19 Task Orders** Issued this Fiscal Year, (33 to date)
- Total of **\$28M** executed this FY, (\$42M of the \$160M limit to date).

Task Order Number	Company Name	Task Order Amount	Executed Date
210080C - MFU 8 MSA Contract for USC			
TO-0012	TO 0012 Nit PSW Pipe Replacement	1,000,000.00	09/20/2023
TO-0023	Denit Mixer Feeder Replacement	409,713.00	02/14/2024
TO-0053	Emergency Caustic System	2,315,000.00	09/04/2024
TO-0032	Guardrail Work at O Street PS	250,000.00	03/28/2024
TO-0034	Asphalt & Conc. Paving Blue Plains E. Primary Rd	1,300,000.00	03/03/2024
TO-0042	O Street Magmeter PS Replacement	45,000.00	04/26/2024
TO-0044	FIPS Wall Retrofit	750,000.00	05/14/2024
TO-0047	RSL Pipe Support Replacement	71,000.00	06/09/2024
TO-0050	Plantwide Storm Drainage Improvements	4,443,000.00	07/09/2024
TO-0029	48inch Check Valve Replacement at Bryant Street PS	1,500,000.00	02/29/2024
TO-0023	TO 0023 Denit Mixer Feeder Replacement	627,445.00	06/07/2024
	Subtotal	12,711,258	
210080D - MFU 8 MSA Contract for WM Schlosser			
TO-0009	TO 0009 Digester Roof Repairs	1,000,000.00	10/02/2023
TO-0020	TO 0020 O St. Loading Dock Access Ramp	175,000.00	12/10/2023
TO-0010	TO 0010 Potomac PS VFD Replacement (Pmps 1,2,3)	2,500,000.00	10/05/2023
TO-0040	TO-0040 Seal Water Modifications	450,000.00	04/02/2024
	Subtotal	4,125,000	
	Total	41,715,866	



Task Order Reporting Lead Free DC & SDWM Master Service Agreements (MSA)

Master Service Agreements

- The are **8 Contractors** in the **Lead-Free DC MSA** with the overall limit of **\$450M**,
- Total of **1** Task Order Issued this Fiscal Year, **7** issued to date.
- Total of **\$53M** executed this FY, (\$153M to date.)
- The are **7 Contractors** in the **SDWM MSA**, with a **\$120M limit**
- **1** Task Order Issued this Fiscal Year, **2** issued to date.
- Total of **\$20M** executed this FY. (\$36M to date.)

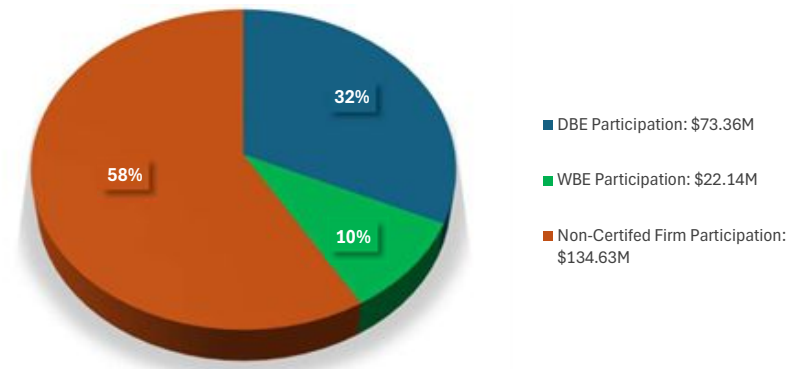
Contract/ Task Number	Contract/ Task Name	Company Name	Amount	Contract/ Task Executed Date
Lead Free DC Master Service Agreement				
230030.01	LSLR Program Construction Package 7	Capitol Paving of DC, Inc.	9,292,335	07/25/2023
230030.02	LSLR Program Construction Package 8	Ft. Myer Construction Corporation	9,067,565	07/25/2023
230030.03	LSLR Program Construction Package 9	Anchor Construction Corporation	1,995,008	07/25/2023
230030.04	LSLR Program Construction Package 10	The Ford Design Group	1,165,315	07/27/2023
230030.09	LSLR Program Construction Package 15	Capitol Paving of DC, Inc.	43,746,263	02/15/2024
230030.10	LSLR Program Construction Package 16	Spiniello Companies	33,823,445	03/06/2024
230030.11	LSLR Construction Package 18	Murphy Pipeline Contractors, LLC	53,457,614	08/21/2024
			152,547,545	
SDWM Master Service Agreement				
230020.01	SDWMR - Phase 16B	Ft. Myer Construction Corporation	15,932,953	06/09/2023
230020.02	SDWMR Replacement 16C	Sagres Construction Corporation	19,947,000	11/27/2023
			35,879,953	



Task Order Reporting Lead Free DC, SDWM, & MFU Projects

Contract/ Task Number	Contract/ Task Name	Company Name	Amount	DBE Award	WBE Award
Lead Free DC Master Service Agreement					
230030.01	LSLR Program Construction Package 7	Capitol Paving of DC, Inc.	9,292,335.00	35%	15%
230030.02	LSLR Program Construction Package 8	Ft. Myer Construction Corporation	9,067,565.00	35%	15%
230030.03	LSLR Program Construction Package 9	Anchor Construction Corporation	1,995,008.00	35%	15%
230030.04	LSLR Program Construction Package 10	The Ford Design Group	1,165,315	65%	35%
230030.09	LSLR Program Construction Package 15	Capitol Paving of DC, Inc.	43,746,263.00	24%	10%
230030.10	LSLR Program Construction Package 16	Spiniello Companies	33,823,445.00	35%	15%
230030.11	LSLR Construction Package 18	Murphy Pipeline Contractors, LLC	53,457,614.00	33%*	7%*
SDWM Master Service Agreement					
230020.01	SDWMR - Phase 16B	Ft. Myer Construction Corporation	5,576,533.73	35%*	10%*
230020.02	SDWMR Replacement 16C	Sagres Construction Corporation	6,582,510.00	33%*	7%*
MFU Master Service Agreement					
210080B	MFU 8 MSA Contract	Allan Myers	18,126,018.40	32%*	6%*
210080B	MFU 8 MSA Contract	American Contracting Envir. Services	6,753,690.00	32%*	6%*
210080B	MFU 8 MSA Contract	Ulliman Schutte	12,711,258.00	32%*	6%*
210080B	MFU 8 MSA Contract	WM Schlosser	4,125,000.00	32%*	6%*

**Lead Free DC, SDWM & MFU Projects
Certified Firm Utilization**



*Projects subject to the EPA Fairshare Objectives (Overall Goals: 32% DBE/ 6% WBE)



Program Management Contract Actions

Water Service Area Program Manager DCFA-541

- Awarded to Water Smart Alliance (Atkins/Stantec); Fact sheet presented in May
- 5 years total, \$43M; 100% District of Columbia

Process Facilities Program Manager DCFA-550

- Recommended Award to Stantec Consulting; Fact sheet to be presented in September
- 5 years total, \$101M; Shared costs

Program Management for CSO Long-term Control Plan and Other Services DCFA-536

- Recommended Supplemental Agreement to Greeley and Hansen; Fact sheet to be presented in September
- 4 years, \$40M; 100% Wholesale Partners

Sewer Service Area Program Manager DCFA-555

- Proposals received and being evaluated - Fact sheet expected November



A Different Approach to Emergency Repair Program Concept



A Different Approach to Emergency Repair Program Concept

Environmental Quality & Operations Committee

September 19, 2024



Salil Kharkar, Vice-President and Senior Technical Advisor



Emergency Repair Progressive Design Build

Progressive Design-Build Structural Rehabilitation IDIQ for emergency repairs of:

- Large sewers systems
- Large water lines
- Sinkholes
- Tanks
- Structural elements





Infrastructure Repair and Rehabilitation (IR&R)

Why Not Use IR&R Contract?

- Emergency that needs immediate attention
 - Addressed with IR&R
- Emergency that can be stabilized with IR&R and does not present immediate public hazard
 - Addressed with a planned CIP Project
- Emergency that has been stabilized short term but must be mitigated in a time frame that does not allow a full solicitation
 - To Date has been a pass through for the IR&R Contract
 - **This presentation is proposing issuing separate Progressive Design Build Structural Rehabilitation IDIQ Contract**



Emergency Repair Program Concept

Past emergency repair project examples:

1. North-East Boundary Trunk Sewer (2015) – Complete – pass through to IR&R
2. Anacostia Force Main (2018) – Complete – pass through to IR&R
3. East-West Relief Outfall Sewer (2023/2024) – Ongoing – pass through to IR&R
4. Tiber Creek Manhole (2024) – Complete – pass through to IR&R
5. Northwest Boundary Trunk Sewer (2024) – Phase 1 Complete – pass through to IR&R
6. **Northwest Boundary Trunk Sewer (2024) – Phase 2 Ongoing – PDB Contract**
7. **14th and K Street (2024) Ongoing Investigation – Ongoing – PDB Contract**



North-East Boundary Trunk Sewer 2015

- **Challenge**: Structure built over top of 22-foot diameter brick sewer resulting in cracking of sewer
- **Condition**: Top of sewer developed crack along 200 feet and sewer could not be bypassed
- **Solution**: *Emergency repair* completed with sewer in-service using carbon fiber and chemical resistant coating on top portion of sewer





Anacostia Force Main 2018

- **Challenge**: 108-inch diameter concrete sewer developed a hole in the top portion
- **Condition**: Top portion developed large hole from chemical attack, and sewer could not be bypassed
- **Solution**: *Emergency repair* completed with sewer in-service including fixing hole and reinforcing entire pipe segment





East-West Outfall Relief Sewer 2024/2025

- **Challenge**: Failure of large concrete sewer structure due to chemical attack
- **Condition**: Extensive concrete loss including missing wall between box structures
- **Solution**: *Emergency repair* planned including installation of concrete and pipe reinforcement system consisting of steel ribs and chemical resistant surface





Tiber Creek Manhole 2024

- **Challenge**: Manhole structure with void and large amount of missing bricks
- **Condition**: Manhole structure rapidly deteriorating – with many pipe inlets to accommodate
- **Solution**: *Emergency repair* including soil stabilization, steel reinforcement, and shotcrete installation on interior of manhole





Northwest Boundary Trunk Sewer 2024 – Phase 1

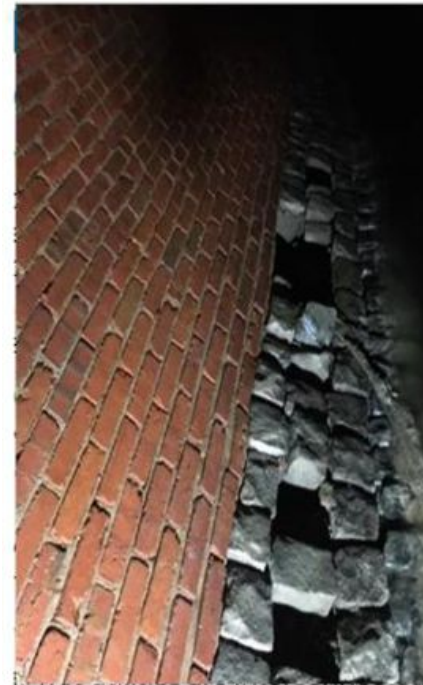
- **Challenge**: Large brick & cobblestone sewer structure developed extensive void and cracking due to surcharge
- **Condition**: Adjacent 20-inch water main and potential of sinkholes due to missing brick & cobblestones
- **Solution**: *Emergency repair* completed including filling void and strengthening of sewer using steel reinforcement and geopolymer





Northwest Boundary Trunk Sewer 2024 – Phase 2

- **Challenge**: Large brick & cobblestone sewer structure developed extensive void and cracking due to surcharge
- **Condition**: Longitudinal crack in ceiling of brick sewer, and missing cobblestones at base for a distance of 1,000 feet
- **Solution**: Emergency structural repair of brick sewer envelope.





14th and K street Brick Sewer – Abandoned?

- **Challenge**: Failure of abandoned large brick sewer structure under busy K street
- **Condition**: Failing support structure
- **Solution**: Options under review



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

ACTION REQUESTED

ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT:

**Program Management for CSO Long-term Control Plan and Other Services
(Joint Use)**

Approval to execute Supplemental Agreement No. 1 for \$40,351,545. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Greeley and Hansen LLC 5301 Shawnee Road, Suite 400 Alexandria, VA 22312	DBE/WBE/CBE Eligible Amounts: Potomac Interceptor and Shared Services: \$ 40,351,545.00 DBE \$ 11,298,433.00 WBE \$ 1,614,062.00	28% 4%
<u>Headquarters</u> Chicago, IL 60606		

DESCRIPTION AND PURPOSE

Original Contract Value:	\$103,416,990
Value of this Supplemental Agreement:	\$ 40,351,545
Cumulative SA Value, including this SA:	\$ 40,351,545
Current Contract Value, Including this SA:	\$143,768,535
Original Contract Time:	1,827 Days (5 Years, 0 Months)
Time extension, this SA:	0 Days
Total SA contract time extension:	0 Days
Contract Start Date:	10-01-2023
Contract Completion Date:	09-30-2028

Purpose of the Contract:

To provide program management services to assist DC Water in the continuing implementation of its Long-term Control Plan (LTCP) to control combined sewer overflows (CSOs) to the Anacostia and Potomac Rivers and Rock Creek and other services. The DC Clean Rivers (DCCR) Project is the organization responsible for managing the implementation of the LTCP.

This work is required by a Consent Decree.

Original Contract Scope:

Provide services relating to program management to ensure attainment of all Consent Decree milestones and other services. These include program administration, hydraulic design, public and third-party outreach, environmental document preparation, regulatory assistance, property acquisition, agency coordination and permitting, risk management, cost estimating, budget, and financial planning, design, and construction oversight, and establishing preliminary design guidelines.

Previous Supplemental Agreement Scope:

- There are no previous supplemental agreements.

Current Supplemental Agreement Scope:

- Provide Program Management services to assist DC Water in managing the Potomac Interceptor (PI).
- Provide services relating to program management to include program administration, procurement, hydraulic design, public and third-party outreach, environmental document preparation, regulatory assistance, property acquisition, agency coordination and permitting, risk management, cost estimating, budget, and financial planning, design, and owner’s adviser , and establishing preliminary design guidelines.
- Support DC Water’s efforts to rehabilitate the infrastructure, assure adequate capacity for jurisdictional users and minimize environmental impacts. Rehabilitation of the infrastructure is necessary to meet DC Water regulatory obligations and the Intermunicipal Agreement (IMA) of 2012. If the degradation of the infrastructure is not addressed, DC Water faces the risk of regulatory enforcement actions including NPDES Permit violations and imposition of a consent decree

Future Supplemental Agreement Scope:

- None planned at this time.

PROCUREMENT INFORMATION

Contract Type:	Cost Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Professional Services	Contract Number:	DCFA #536-WSA
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	DC Clean Rivers Project
Service Area:	Sewer	Department Head:	Moussa Wone
Project:	LZ		

ESTIMATED USER SHARE INFORMATION

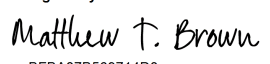
LZ – Potomac Interceptor Projects – Rehab Phase 2¹


User	Share %	Dollar Amount
District of Columbia	0.00%	\$
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	28.90%	\$11,661,596.50
Fairfax County	44.50%	\$17,956,437.53
Loudoun County & Potomac Interceptor	26.60%	\$10,733,510.97
Total Estimated Dollar Amount	100.00%	\$40,351,545.00

¹ Allocations are approximate. Under the terms of the IMA, the capital cost of the Potomac Interceptor is apportioned to the Jurisdictions based on the proportion of facilities determined to be Multi-Jurisdiction Use Facilities. As tasks are assigned for work associated with specific facilities, costs will be allocated accordingly.

Signed by:

 9/12/2024
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 Jeffrey F. Thompson Date
 Chief Operating Officer and EVP

Signed by:

 9/13/2024
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 Matthew T. Brown Date
 Chief Financial Officer and EVP
 Finance, Procurement and Compliance

DocuSigned by:

 9/13/2024
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 Corey R. Gray Date
 Vice President of Compliance
 and Interim Chief Procurement Officer

 Date
 David L. Gadis
 Chief Executive Officer and General Manager

ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT**CONTRACT DCFA#536-SA1****PROGRAM MANAGEMENT FOR CSO LONG TERM CONTROL PLAN AND OTHER SERVICES****ATTACHMENT A - SUBCONTRACTOR LISTING PARTICIPATION AND DOLLAR AMOUNT**

SUBCONSULTANT:		PARTICIPATION:	AMOUNT:
DBE/WBE Subconsultants(1)			
Delon Hampton & Associates Washington, DC 20001	DBE	3.25 (1)	\$ 1,312,789.00 (1)
Foxxstem Washington, DC 20003	DBE	1.37% (1)	\$ 554,833.00 (1)
Shrewsberry & Associates, LLC Indianapolis, IN 46256	DBE	9.53% (1)	\$ 3,845,322.00 (1)
MNK Consultant Woodbridge, VA 22192	DBE	0.78% (1)	\$ 315,284.00 (1)
Mckissack & Mckissack Washington, DC 20001	DBE	7.17% (1)	\$ 2,892,457.00 (1)
PL Associates, Inc Washington, DC 20004	DBE	1.55% (1)	\$ 625,743.00 (1)
Interagency Washington, DC 20003	DBE	1.04% (1)	\$ 418,532.00 (1)
J-DOS International Washington, DC 20011	DBE	0.71% (1)	\$ 286,457.00 (1)
EBA Engineering Laurel, MD 20707	DBE	1.01% (1)	\$ 408,478.00 (1)
E2CR, Inc Baltimore, MD 21227	DBE	1.58% (1)	\$ 638,538.00 (1)
Subtotal DBE		28.00%	\$11,298,433.00
DP Consultants Washington, DC 20005	WBE	0.35% (1)	\$ 142,353.00 (1)
LS Caldwell & Associates, Inc Washington, DC 20011	WBE	0.31% (1)	\$ 125,742.00 (1)
Rice Associates, Inc Manassas, VA 20109	WBE	3.34%	\$ 1,345,967
Subtotal WBE		4%	\$1,614,062.00
Non-DBE/WBE/ Subconsultants			
AECOM Arlington, VA	N/A	Note (2)	Note (2)
Delve Underground Seattle, WA 98104	N/A	Note (2)	Note (2)
FusionTek Kirkland, WA 98103	N/A	Note (2)	Note (2)
G&H Architects Chicago, IL 60606	N/A	Note (2)	Note (2)
Hazen & Sawyer Fairfax, VA	N/A	Note (2)	Note (2)

SUBCONSULTANT:		PARTICIPATION:	AMOUNT:
Infrastructure Project Services Vienna, VA	N/A	Note (2)	Note (2)
Johnson, Miriam & Thompson Hunt Valley, MD	N/A	Note (2)	Note (2)
Limno-Tech, Inc Washington, DC	N/A	Note (2)	Note (2)
Pini Group USA, Inc Washington, DC 20002	N/A	Note (2)	Note (2)
Stantec Consulting Laurel, MD	N/A	Note (2)	Note (2)

Notes:

- (1) Level of participation and percentage allocations are approximate. As the nature of services required to implement the project is further defined, tasks to individual firms will be assigned accordingly.
- (2) The level of participation is dependent on the nature of services required to implement the project

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

ACTION REQUESTED

ENGINEERING SERVICES:

**Process Facilities Program Management (PFPM)
(Joint Use)**

Approval to execute an architectural and engineering services contract not to exceed \$90,000,000 for the contract period of three years plus two renewable periods of one year each. The renewal periods will be approved at DC Water's sole discretion pending acceptable performance.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Stantec Consulting Services, Inc 199 Pennsylvania Ave. Washington, DC 20004	Total DBE Participation Total WBE Participation	30.5% 4.0%
<u>Headquarters</u> Denver, CO 80202	See Attachment A for list of DBE/WBE participants.	

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$90,000,000
 Contract Time: 1825 Days (5 Years, 0 Months)
 No. of Option Years in Contract: 2
 Anticipated Contract Start Date: 11-01-2024
 Anticipated Contract Completion Date: 10-30-2029

Other firms submitting proposals/qualification statements:

- Eastern Contractors
- Jacobs Engineering Group Inc*.

* Asterisk indicates short listed firms.

Purpose of the Contract:

Provide program management services to implement Capital Improvements Program (CIP) for the DC Water vertical facilities including Blue Plains AWTP, sewer and stormwater pumping stations. The Process Facilities Program Manager (PFPM) will also provide comprehensive support to DC Water throughout the project lifecycle, from initial planning stages to construction closeout, ensuring seamless coordination and execution of the CIP. The PFPM will coordinate various processes, projects, and operational interfaces, while ensuring robust budgeting, scheduling, fiscal reporting, procurement, and project controls, and updating and executing master plans.

Contract Scope:

Services will include but not limited to:

- Preparing and updating master plan, facility plans, CIP projects schedules and budget
- Managing designs, design-build projects, progressive design build and Construction Manager at Risk (CMAR) and other ongoing construction projects.
- Assist Engineering and Operations Departments in technical expertise pertaining to existing, newly constructed, or proposed process facilities with an emphasis on innovation, CIP delivery methodologies, grants management, reliability improvements and cost savings solutions.
- Serve as Owner's Agent for all new collaborative delivery projects executed at Blue Plains, sewer and storm water service areas including preparing scope of work of the process facilities projects in collaboration with all the stakeholders.
- Providing construction management, quality control and facilities start-up services

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- Augment DC Water staff with experienced & qualified technical resources, project managers and construction managers.
- Assist with Second Source initiatives.
- Support inspection and condition assessment programs for vertical assets in wastewater treatment and pumping system.
- Assist in air permitting under Clean Air Act.
- Continuously identify lessons learned and areas for improvement for ongoing and future projects.
- Developing program delivery strategies and project delivery sequencing that ensure facilities remain operational and in regulatory compliance.
- Preparing preliminary cost estimates and reviewing contractor's pricing at each stage of the project and collaborating with contractors to establish Guaranteed Maximum Price (GMP) for construction phase.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Highest Ranking Score
Commodity:	Engineering Design Services	Contract Number:	DCFA 550
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Wastewater Engineering
Service Area:	Wastewater, Sanitary Sewer, Stormwater, Combined Sewer	Department Head:	Ryu Suzuki
Project:	A2,AL,AM, ZT,AU,QH,S8		

ESTIMATED USER SHARE INFORMATION

GIBP – Allocation

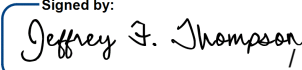
User	Share %	Dollar Amount
District of Columbia	56.81%	\$ 30,588,949.80
Washington Suburban Sanitary Commission	33.68%	\$ 34,017,405.60
Fairfax County	6.16%	\$ 6,218,714.20
Loudoun County & Potomac Interceptor	3.35%	\$ 3,383,930.40
Total Estimated Dollar Amount	100.00%	\$ 74,209,000.00


CAPM – Allocation

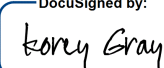
User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 15,791,000.00
Total Estimated Dollar Amount	100.00%	\$ 15,791,000.00

Total Combined Allocation

User	Share %	Dollar Amount
District of Columbia	56.81%	\$ 46,379,949.80
Washington Suburban Sanitary Commission	33.68%	\$ 34,017,405.60
Fairfax County	6.16%	\$ 6,218,714.20
Loudoun County & Potomac Interceptor	3.35%	\$ 3,383,930.40
Total Estimated Dollar Amount	100.00%	\$ 90,000,000.00

Signed by: 
 Jeffrey F. Thompson / Date
 Chief Operating Officer and EVP

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 Matthew T. Brown / Date
 Chief Financial Officer and EVP
 Finance, Procurement and Compliance

DocuSigned by: 
 Corey R. Gray / Date
 Vice President of Compliance
 and Interim Chief Procurement Officer

DocuSigned by: _____ / Date
 David L. Gadis
 Chief Executive Officer and General Manager

**ENGINEERING SERVICES:
CONTRACT DCFA#550
Process Facilities Program Management (PFPM)
(Joint Use)**

Attachment A

PRIME	SUBS	DBE/WBE	PARTICIPATION
Stantec Consulting Services, Inc 199 Pennsylvania Ave. Washington, DC 20004 <u>Headquarters</u> Denver, CO 80202	EPCM, Inc Burke, VA	DBE	5.5%
	Delon Hampton & Associates Washington, DC	DBE	4.0%
	EPC Consultants, Inc. San Francisco, CA	DBE	3.0%
	Sigma Associates, Inc. Detroit, MI	DBE	3.0%
	CES Consultant Pembroke Pike, FL	DBE	2.5%
	DM Enterprises of Baltimore, LLC Baltimore, MD	DBE	2.0%
	SZ PM Consultants, Inc. Washington, DC	DBE	2.0%
	C.C.Johnson & Malhotra, P.C. Rockville, MD	DBE	2.0%
	McKissack & McKissack Washington, DC	DBE	2.0%
	SG Contracting Atlanta, GA	DBE	2.0%
	Milhouse Engineering and Construction Chicago, IL	DBE	1.0%
	Shrewsbury & Associates Indianapolis, IN	DBE	1.0%
	Engineering Design Technologies Glen Burnie, MD	DBE	0.5%
	Peer Consultants Washington DC	WBE	4.0%
Total DBE Participation = 30.5% Total WBE Participation = 4%			

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT MODIFICATION

IT SOFTWARE MAINTENANCE RENEWAL

(Joint Use)

Approval to extend the Geographic Information System (GIS) Software Maintenance Enterprise Agreement (EA) for three (3) years in the total amount of \$1,327,500.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Environmental Systems Research Institute, Inc. 380 New York Street Redlands, California, 92373	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Original Period Contract Value:	\$962,000.00
Original Contract Dates:	08-14-2018 – 08-13-2021
Contract Modification No. 1 Value:	\$987,000.00
Contract Modification No. 1 Dates:	08-14-2021 – 08-13-2024
Contract Modification No. 2 Value:	\$0.00
Contract Modification No. 2 Dates:	08-14-2024 – 11-08-2024
Contract Modification No. 3 Value:	\$1,327,500.00
Contract Modification No. 3 Dates:	08-14-2024 – 08-13-2027

Purpose of the Contract:

DC Water requires the ongoing use of Geographic Information System (GIS) software to visually present various operational assets including water mains, sewer-stormwater systems, pipes, hydrants, valves etc. on a map to support DC Water daily operations.

Contract Scope:

The scope of the Enterprise Agreement with ESRI covers the Enterprise Licenses for access to the GIS software products and maintenance of software listed below. Utility Network Management is added in this EA extension to support future enhancements.

ArcGIS Desktop products	ArcGIS Developer Subscription Enterprise
ArcGIS Enterprise and extensions	ArcGIS Runtime Advanced and Analysis
ArcGIS Server Advanced, Standard, Basic	ArcGIS Enterprise Advanced Edited User
ArcGIS Geostatistical Analyst for ArcGIS Pro Enterprise	ArcGIS Online Professional Advanced, Standard, Basic

The GIS software tracks DC Water material assets including pipes, hydrants, valves etc. on the map. The Information Technology team works closely with departments in DC Water to ensure critical information and operational issues like pipe breaks, water quality etc. are up to date and accessible to staff and contractors.

Spending Previous Years:

Cumulative Contract Value:	08-14-2018 – 11-08-2024: \$1,949,000.00
Cumulative Contract Spending:	08-14-2018 – 09-13-2024: \$1,949,000.00

Contractor's Past Performance

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

PROCUREMENT INFORMATION


Contract Type:	Goods & Services	Award Based On:	Sole Source
Commodity:	GIS System Software	Contract Number:	10039
Contractor Market:	Sole Source Contract Award		

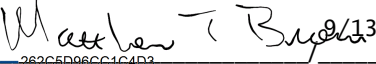
Funding:	Operating	Department:	Information Technology
Project Area:	DC Water Wide	Department Head:	Joe Edwards

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	66.78%	\$886,504.50
Washington Suburban Sanitary Commission	24.12%	\$320,193.00
Fairfax County	5.87%	\$77,924.25
Loudoun Water	2.82%	\$37,435.50
Potomac Interceptor	0.41%	\$5,442.75
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$1,327,500.00

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 Joe Edwards Date
 CIO and EVP of Information Technology

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 9/11/2024
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 Korey Gray Date
 Vice-President of Compliance and
 Interim Chief Procurement Officer

DocuSigned by:
 9/13/2024
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 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

**Security Systems
(Joint Use Indirect)**

This contract action is to exercise option year 2 and add funds in the amount of \$1,647,000.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Pavion (d/b/a Enterprise Security Solutions). 44710 Cape Court Unit 112. Ashburn, VA 20147	SUBS: Telecommunications Development Corp., Washington DC Aspen of DC., d/b/a ADC Management Solution, Washington DC	PARTICIPATION: DBE 20% WBE 10%
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DESCRIPTION AND PURPOSE

Base Year – Option Year 4 Value: \$3,610,000.00
 Base Year – Option Year 4 Date: 11-01-2022 – 10-31-2027
 Option Year 2 Additional Value: \$1,647,000.00
 Option Year 2 Date: 11-01-2024 – 10-31-2025

Purpose of the Contract:

DC Water requires a qualified contractor to provide maintenance and on-call and emergency repair services to ensure the continued proper, safe and reliable operation of access control, alarm and video surveillance systems utilized at DC Water Facilities.

Contract Scope:

To provide preventative and operational maintenance of DC Water’s security system. The work includes: the maintenance, repair, installation, testing, troubleshooting, replacement and reconfiguration of existing and future hardware and software that comprise the facilities security and access control systems: including card readers, locking devices, cabling, wiring, control panels, software, etc. The contractor is also responsible for maintaining an on-site spare parts inventory for all security systems installed at DC Water facilities.

Spending Previous Year:

Cumulative Contract Value: 11-01-2022 to 10-31-2027: \$3,610,000.00
 Cumulative Contract Spending: 11-01-2022 to 08-01-2024: \$3,270,780.00

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:	Good and Services	Award Based On:	Highest Ratings
Commodity:	Security	Contract Number:	10279
Contractor Market:	Open Market with DBE/WBE Goal		

BUDGET INFORMATION

Funding:	Operating and Capital	Department:	Security
Project Area:	DC Water Wide	Department Head:	Ivelisse Cassas

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	66.78%	\$514,206.00
Washington Suburban Sanitary Commission	24.12%	\$185,724.00
Fairfax County	5.87%	\$45,199.00
Loudoun Water	2.82%	\$21,714.00
Other (PI)	0.41%	\$3,157.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$770,000.00

ESTIMATED USER SHARE INFORMATION

User - Capital	Share %	Dollar Amount
District of Columbia	84.12%	\$737,732.40
Washington Suburban Sanitary Commission	8.23%	\$72,177.10
Fairfax County	3.43%	\$30,081.10
Loudoun Water	2.43%	\$21,311.10
Other (PI)	1.79%	\$15,698.30
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$877,000.00

Wayne W. Griffith, September 12, 2024

 Wayne Griffith Date
 Chief Administration Officer and EVP

DocuSigned by:
Korey Gray, 9/12/2024

 Kory Gray Date
 Vice-President of Compliance and
 Interim Chief Procurement Officer

DocuSigned by:
Matthew Brown, 9/13/2024

 Matthew T. Brown Date
 CFO and EVP of Finance, Procurement and
 Compliance

 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

**AMENDMENT TO A PARTICIPATION DDOT PROJECT:
DDOT – S St Revitalization from 7th St NW to Florida Ave NW
(Non-Joint Use)**

Approval for a commitment between District of Columbia Department of Transportation (DDOT) and DC Water for an amount up to \$862,000.00. The modification exceeds the General Manager’s approval authority.

PARTY INFORMATION

PARTY:	SUBS:	PARTICIPATION:
District of Columbia Department of Transportation 55 M Street SE Washington, DC 200003	DBE and WBE fair share objectives will follow DDOT goals.	

DESCRIPTION AND PURPOSE

Commitment Value, Not-To-Exceed:	\$1,500,000.00
Commitment Amendment Value:	\$ 862,000.00
Total Committed Value, Including this Amendment	\$2,362,000.00
Construction Duration Time:	818 Days (2 Years, 3 Months)
Construction Start Date:	11-01-2023
Anticipated Construction Completion Date:	04-28-2025

Purpose of the Commitment:

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.

Commitment Scope:

- Replace 0.28 miles of water mains ranging from six (6) inches to eight (8) inches diameter and associated valves and appurtenances.
- Replace water services 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.
- Installation of storm and sanitary sewer main via cost share.

Amendment Scope

The original agreement with DDOT was based on an estimated construction cost, where unit prices were provided directly by DDOT. However, once we received the escrow, the actual construction costs were found to be \$862,000 higher than the original estimate. This significant cost increase was primarily driven by the addition of storm and sanitary sewer main work, which DC Water agreed to co-fund. Additionally, unit prices for multiple items had increased compared to the original estimates.

Federal Grant Status:

Although the work scope is generally eligible for grant funding, grant funding was not applied to the project because it was procured through DDOT.

PROCUREMENT INFORMATION

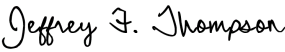
Contract Type:	DDOT Participation	Award Based On:	N/A
Commodity:	Design and Construction	Contract Number:	N/A
Contractor Market:	Open Market		

BUDGET INFORMATION

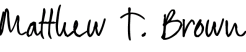
Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	William Elledge
Project:	HX		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 862,000.00
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%	\$ 862,000.00

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 Jeffrey F. Thompson Date
 Chief Operating Officer, EVP

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 Corey R. Gray Date
 Vice President of Compliance
 and Interim Chief Procurement Officer

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 9/13/2024
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 Matthew T. Brown Date
 Chief Financial Officer and EVP
 Finance, Procurement and Compliance

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 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-16A
(Non-Joint Use)**

Approval to execute Change Order No. 0005 for \$1,930,885.41. The modification exceeds the Chief Executive Officer's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of D.C., Inc. 2211 Channing St NE Washington, DC 20018	OMNI Excavators, Inc. Washington D.C. DBE	32.0%
	Acorn Supply White Marsh, MD WBE	6.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$14,157,282.00
Total of Previous Change Orders:	\$ 2,233,062.80
Current Contract Value:	\$16,390,344.80
Value of this Change Order:	\$ 1,930,885.41
Total Contract Value, including this CO:	\$18,321,230.21
Original Contract Time:	1005 Days (2 Years, 9 Months)
Time extension, this CO:	0 Days
Total CO contract time extension:	0 Days (0 Years, 0 Months)
Contract Start Date (NTP):	03-29-2023
Anticipated Contract Completion Date:	02-26-2026
Cumulative CO % of Original Contract:	29.4%
Contract completion %:	49.8%

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 3.82 miles of small diameter water mains, associated valves and appurtenances.
- Replace water services in public and private space as needed.
- Replacement 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:

- Due to reported water quality and existing contaminated soil issues that are deemed critical, lining of 2200 linear feet of existing water main on Quebec St NW between Fordham Rd NW to University Avenue NW was required.
- Due to two water main breaks in recent years and the significant risk of another break in the I-395 Air Rights Tunnel which resulted in a sink hole, water outages, and severe DDOT travel conflicts, it was deemed essential to line the existing 1200 linear feet water main in the I-395 Air Rights Tunnel.

Current Change Order Scope:

- Addition of a P-trap and a 48-inch manhole that is required for an Autoflusher before connecting to the existing sanitary sewer

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- Increase the quantities of multiple bid items to account for unexpected conditions on site, including:
 - Asphalt Base Course
 - Mill & Overlay
 - Installation of 6-inch diameter Water Distribution Piping
 - Installation of 8-inch diameter Water Distribution Piping
 - Installation of 12-inch diameter Water Distribution Piping and concrete thrust restraints
 - Additional Mainline Fittings (Contingent Item)
 - Installation of meter boxes, frames and covers

PROCUREMENT INFORMATION

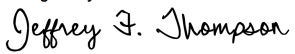
Contract Type:	Unit Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	200030
Contractor Market:	Open Market		

BUDGET INFORMATION

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


ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 1,930,885.41
Washington Suburban Sanitary Commission	0%	\$
Fairfax County	0%	\$
Loudoun County & Potomac Interceptor	0%	\$
Total Estimated Dollar Amount	100.00%	\$ 1,930,885.41

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 Jeffrey F. Thompson Date
 Chief Operating Officer and EVP

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 Matthew T. Brown Date
 Chief Financial Officer and EVP
 Finance, Procurement and Compliance

 David L. Gadis Date
 Chief Executive Officer and General Manager

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

ACTION REQUESTED

**CONSTRUCTION CONTRACT AMENDMENT 1:
SMALL DIAMETER WATER MAIN REPLACEMENT PROGRAM
(Non-Joint Use)**

Approval to add four additional contractors to the Small Diameter Water Main Replacement (SDWMR) Program, bringing the total number of prequalified contractors to 11. These contractors will be eligible to participate in the competitive bidding process for the program.

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: See Notes Below**
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* Seven firms were originally prequalified to participate on the 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. Four additional firms are being added to the list of pre-qualified firms in this amendment.

** The overall utilization goals for the Master Service Agreement are 32% DBE and 6% WBE, respectively.

DESCRIPTION AND PURPOSE

Original Program Value, Not-to-Exceed	\$ 120,000,000.00
Value of past Amendments	\$ 0,000,000.00
Value of this Amendment, Not-to-Exceed	\$ 0,000,000.00
Current Program Value, including this Amendment	\$ 120,000,000.00
Original Program Time:	2,190 Days (6 years)
Time Extension, This Amendment:	0 Days (0 years, 0 Months)
Program Start Date (NTP):	01-18-2023
Program Completion Date:	01-18-2029

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.

Original 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 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.

Amendment No. 01

- Amendment No. 01 will approve the qualification of 4 additional contractors which increases the program to a total of 11 prequalified contractors, who will be eligible to competitively bid on the SDWMR projects under this MSA program.

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

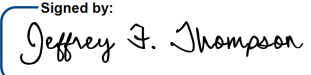
Contract Type:	Fixed Price	Award Based On:	Lowest responsive, Responsible Bidder
Commodity:	Construction	Contract Number:	230020
Contractor Market:	Open Market		


BUDGET INFORMATION

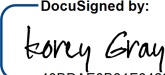
Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	William Elledge
Project:	HX, BW, KE, KF		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$
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%	\$ 0.00

Signed by:

 Jeffrey F. Thompson 9/12/2024
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 Jeffrey F. Thompson Date
 Chief Operating Officer and EVP

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 David L. Gadis Date
 Chief Executive Officer and General Manager

**CONSTRUCTION CONTRACT AMENDMENT 1:
SMALL DIAMETER WATER MAIN REPLACEMENT PROGRAM**

	<u>Original Contractors</u>		<u>New Contractors (4 Added)</u>
1	Anchor Construction Co Inc. 2254 25 th Place NE Washington, DC 20018	8	Allan Myers VA, Inc. 301 Concourse Boulevard, Suite 300 Glen-Allen, VA 23059
2	Capitol Paving of DC Inc. 2211 Channing Street, N.E. Washington, DC 20018	9	AECON Capital Joint Venture 6000 Massachusetts Avenue NW, Suite 250a, Washington D.C. 20001
3	Fort Myer Construction Corporation 2237 33 rd Street, Northeast Washington, DC 20018	10	Murphy Pipeline Contractors 12235 New Berlin Road Jacksonville, FL 32226
4	Milani Construction LLC 2001 MLK Jr Ave, SE Washington, DC 20020	11	Roman E&G Corp. 14 Ogden Street Newark, NJ 07104
5	Old Line Construction Inc 2001 MLK Jr Ave, SE Washington, DC 20020		
6	Sagres Construction Corp. 3680-Wheeler Avenue Alexandria, VA 22304		
7	Spiniello Companies 3500 East Biddle Street Baltimore, MD 21213		