



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

Meeting of the  
Environmental Quality and Operations Committee

**Thursday, December 19, 2024  
9:30 a.m.**

Microsoft Teams meeting

[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	<b>Call to Order</b>	Sarah Motsch Chair
	II	<b>Roll Call</b>	Michelle Rhodd Board Secretary
9:35 a.m.	III	<a href="#">BPAWTP Performance Update</a>	Nicholas Passarelli
9:40 a.m.	IV	<a href="#">Fire Hydrants Update</a>	Sylvia Okogi
9:45 a.m.	V	<a href="#">Water Quality Monitoring</a>	Maureen Schmelling
9:50 a.m.	VI	<a href="#">Low Service Area Boil Water Advisory</a>	Chris Collier Ryu Suzuki
10:00 a.m.	VII	<a href="#">Anacostia Area Sewer Rehabilitation</a>	Ryu Suzuki
10:15 a.m.	VIII	<a href="#">Action Items</a>	David Parker, William Elledge, John Pappajohn

**Joint Use**

**Non-Joint Use**

1. [Agreement No. A51900 Agreement No. A51900 of Contract No. DCFA-519, – Program Management & Construction Management – Lead Free Group, Joint Venture \(Ramboll Engineering, PC, and CDM Smith Inc\)](#)
2. [Contract No. 220160 - Major Sewer Rehabilitation 1-5 Northeast Boundary – Spinello](#)
3. [Contract No. 10246 – IT Software Contract Additional Funding – Voxai Solutions, Inc.](#)
4. [Contract No. 10345 – Tank Reservoir Cleaning Services – Jet Blast, Inc.](#)

<b>10:25 a.m.</b>	<b>IX</b>	<b>Other Business/Emerging Issues</b>	
<b>10:30 a.m.</b>	<b>X</b>	<b>Executive Session*</b>	Sarah Motsch
		*To discuss, establish, or instruct the public body's staff or negotiating agents concerning the position to be taken in negotiating the price and other material terms of a contract under the Open Meetings Act of 2010 § 2-575(b)(2).	
<b>11:00 a.m.</b>	<b>XI</b>	<b>Adjournment</b>	Sarah Motsch

*This meeting is governed by the Open Meetings Act. Please address any questions or complaints arising under this meeting to the Office of Open Government at [opengovoffice@dc.gov](mailto:opengovoffice@dc.gov)*

**Follow-up Items from Prior Meetings:**

1. Provide a copy of white paper on the equity analysis benefits and 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.**

<sup>1</sup>The DC Water Board of Directors may go into executive session at this meeting pursuant to the District of Columbia Open Meetings Act of 2010, if such action is approved by a majority vote of the Board members who constitute a quorum to discuss 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

December 19, 2024

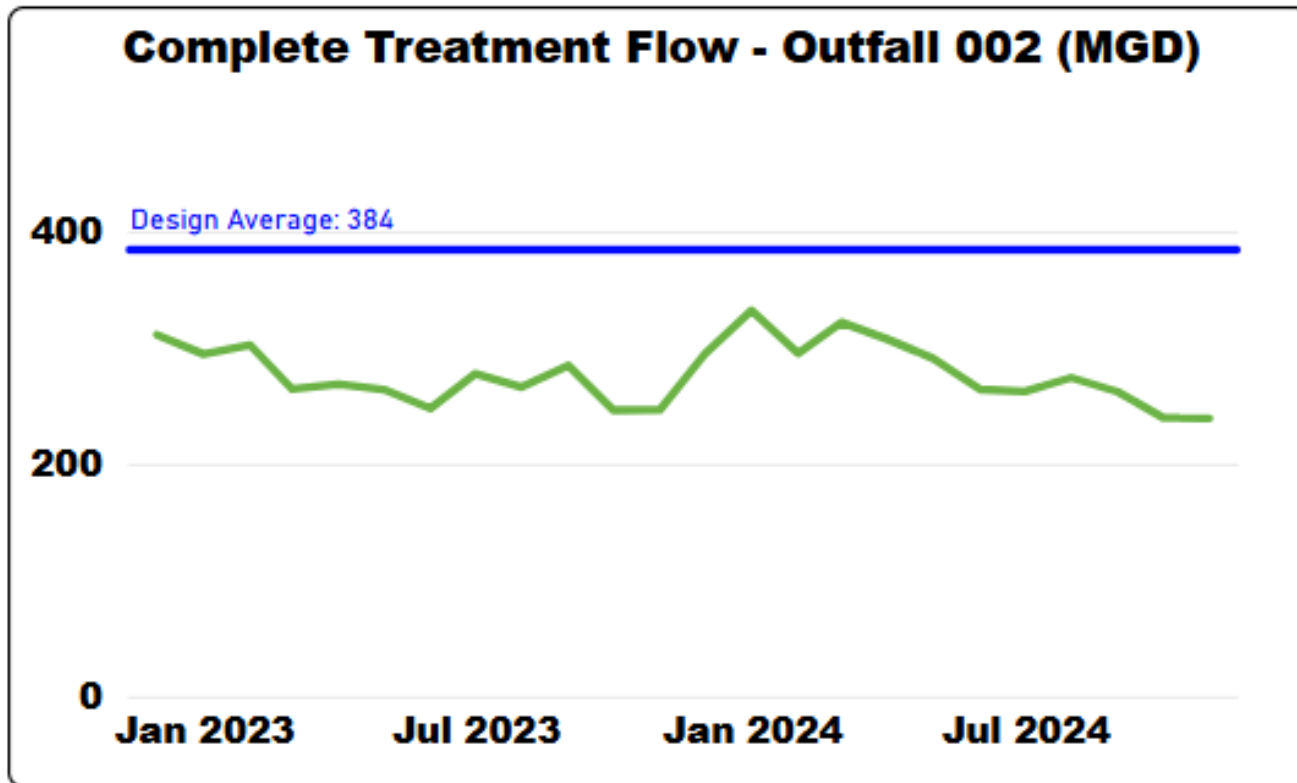


Nicholas Passarelli, Director of Wastewater Treatment Operations



# Operational Performance Complete Treatment

## Monthly Average Flow Trend to Complete Treatment (MGD)



All weekly and monthly NPDES permit requirements were met

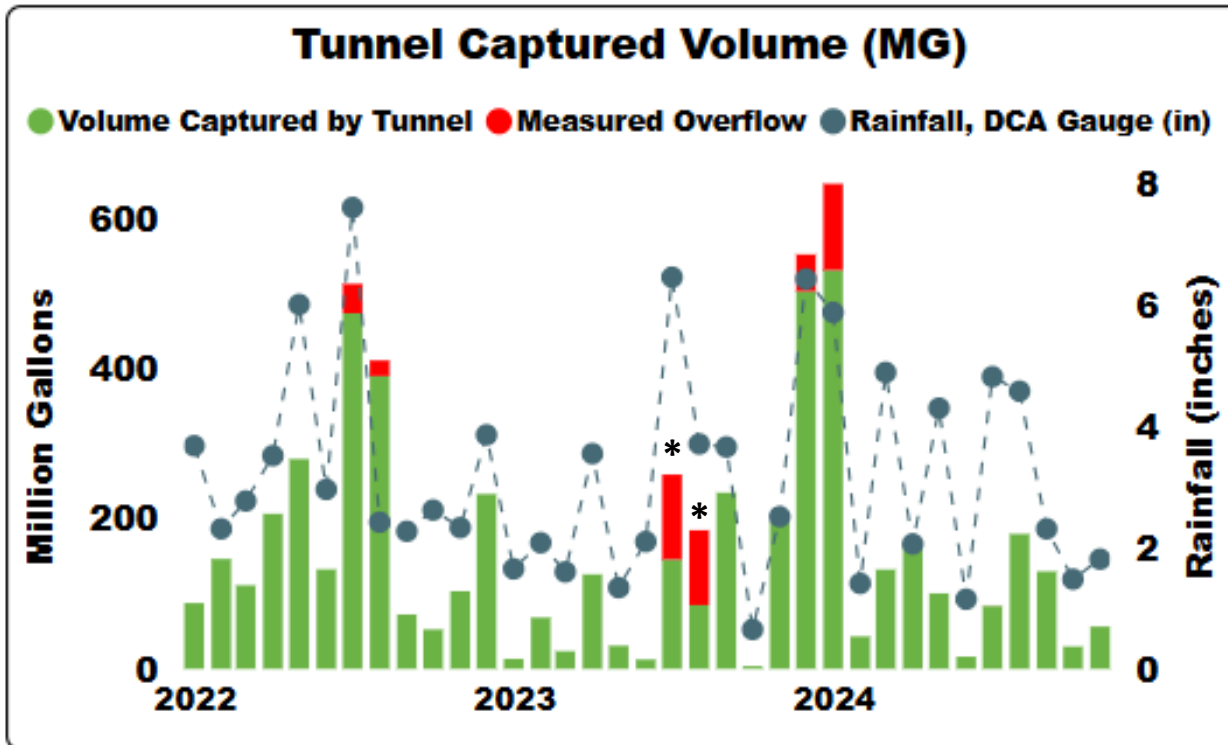
Average Outfall 002 flow for November 2024: 239 MGD

Peak Day flow for November 21<sup>st</sup> at 319 MGD



# Operational Performance Tunnel Systems and Wet Weather Treatment

## Anacostia River Tunnel System Monthly Performance 2022 – 2024 (Through Nov 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

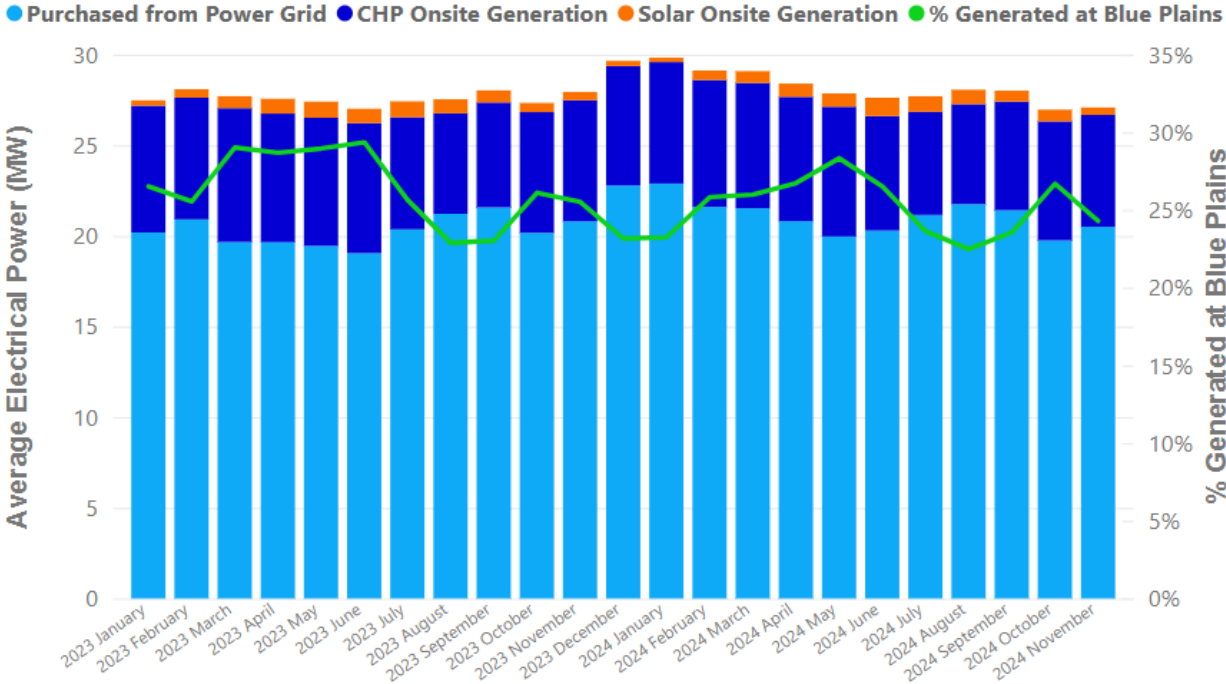
1443 MG of volume captured by Anacostia River Tunnel System in Calendar Year 2023 through December, with 262 MG overflow

\* - 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



24% of electricity was generated onsite

Combined Heat and Power (CHP) facility produced an average of 7.4 megawatts (MW), with 6.2 MW net to Blue Plains grid

Solar System produced an additional 0.41 MW of power on average

Total electricity consumption at Blue Plains averaged 27.1 MW

DC Water purchased an average of 20.5 MW of electricity from PEPCO

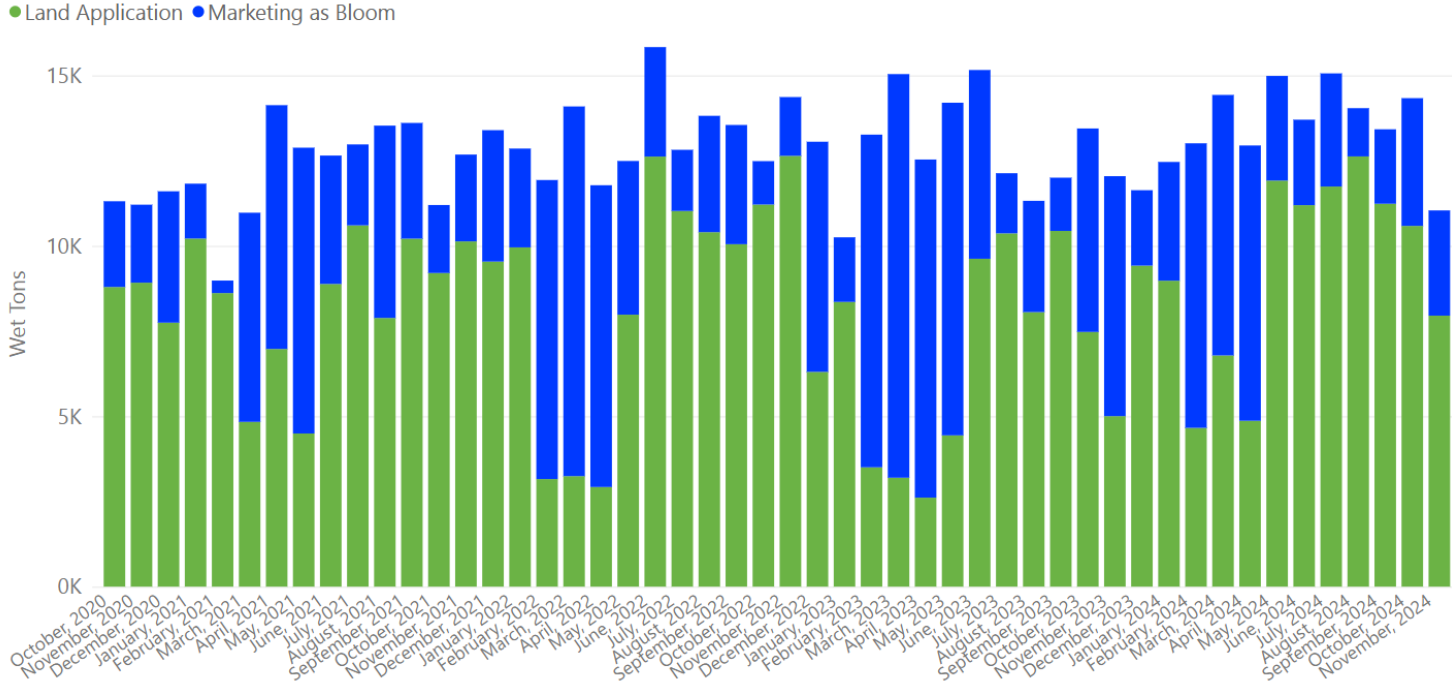
Total Purchased Power Savings FY2024:  
\$5,209,000

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



In November, Blue Drop sold approximately 3,088 tons of Bloom; for a total of 6,836 tons towards the FY25 goal of 70,000 tons.

Blue Plains Produced 11,041 tons of biosolids for the month with the remaining 7,953 tons managed through land application contracts.





# *Fire Hydrant Update*



# Fire Hydrant Update

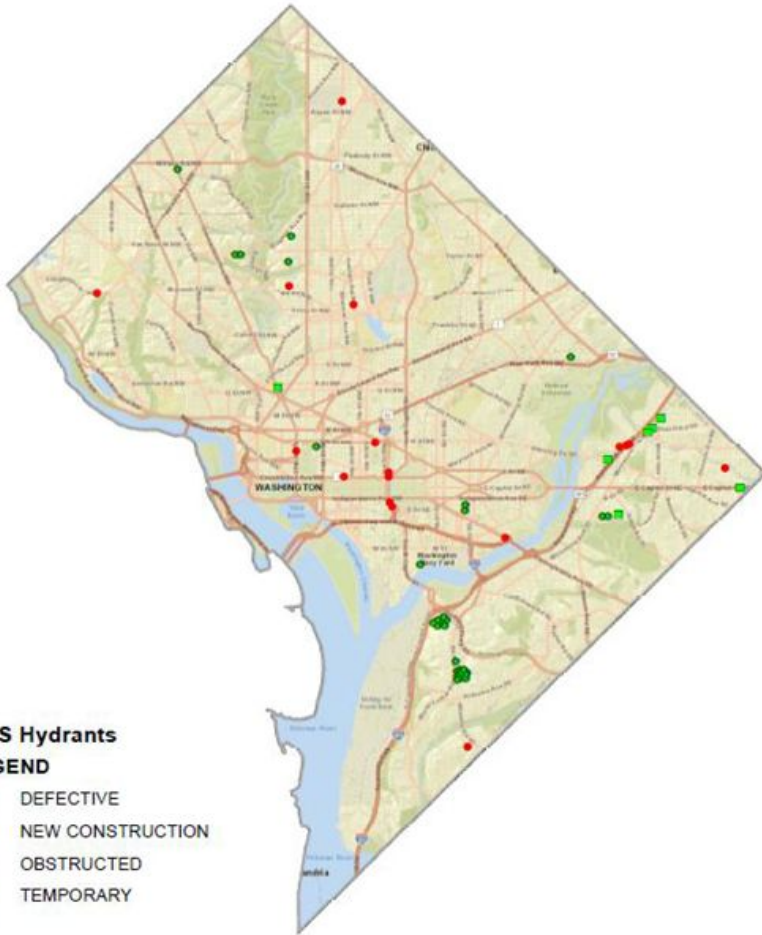
Environmental Quality & Operations Committee  
December 19, 2024



Sylvia Okogi, Acting Senior Manager, Water Operations

## Map of Public Out-of-Service Hydrants

December 04, 2024



### OOS Hydrants

#### LEGEND

- DEFECTIVE
- NEW CONSTRUCTION
- OBSTRUCTED
- TEMPORARY



Prepared By: Distribution Control Branch

### Status Report of Public Fire Hydrants for DC Water Services Committee - December 4, 2024

	September Cmte. Report (September 6, 2024)	October Cmte. Report (October 1, 2024)	November Cmte. Report (November 2, 2024)	December Cmte. Report (December 4, 2024)
Public Fire Hydrants:	9,823	9,829	9,829	9,831
In Service:	9,780	9,781	9,784	9,774
Marked Out-of-Service (OOS)	43	48	45	57
OOS - defective requiring repair/replacement	14	15	14	17
<b>% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)</b>	<b>0.14%</b>	<b>0.15%</b>	<b>0.14%</b>	<b>0.17%</b>
OOS - due to inaccessibility or temp construction work	29	33	31	40

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 December 4, 2024 57

Breakdown of Defective	0-7	8-14	15-30	31-60	61-90	91-120	> 120	Total
	Days	Days	Days	Days	Days	Days	Days	
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	1	0	1	0	1**	2**	11**	16
<b>Defective</b>								<b>17</b>

Breakdown of Others	0-7	8-14	15-30	31-60	61-90	91-120	> 120	Total
	Days	Days	Days	Days	Days	Days	Days	
Temporarily OOS as part of operations such as a main repair	6	1	0	0	0	0	0	7
Construction* - OOS	0	0	1	1	2	1	28	33
Obstructed Hydrant - OOS hydrant due to operation impeded by an obstruction.	0	0	0	0	0	0	0	0
<b>Others</b>								<b>40</b>

\*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  
December 19, 2024



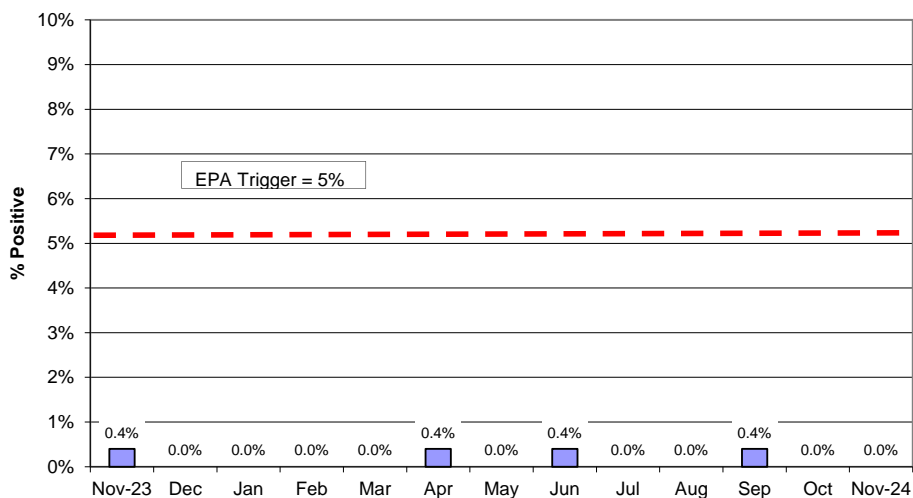
10 TAP WATER IS AFFORDABLE • SAFE • ECO-FRIENDLY

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

July -December 2024	1 <sup>st</sup> Draw	2 <sup>nd</sup> Draw
Lead 90 <sup>th</sup> Percentile*, parts per billion (ppb)	2.0	4.9
Number of samples	88	87
Number of samples > 15 ppb	1	1

**\*EPA Action Level is >15 ppb of 1<sup>st</sup> draw 90<sup>th</sup> Percentile**

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



## EPA Lead and Copper Rule Improvements related to Water Quality Monitoring

### The Lead and Copper Rule Action Level

- Action Level lowered from 15 ppb to 10 ppb and calculation is max of 1<sup>st</sup> and 5<sup>th</sup> liter; effective Jan 1, 2028.
- Water systems that exceed the Action Level must conduct additional public outreach and study corrosion control treatment options.

July – December 2024	1 <sup>st</sup> Draw	2 <sup>nd</sup> Draw	Max
Lead 90 <sup>th</sup> Percentile*, parts per billion (ppb)	2.0	4.9	5.8
Number of samples	88	87	88
Number of sites > 10 ppb	2	1	3



# *Low Service Area Boil Water Advisory*

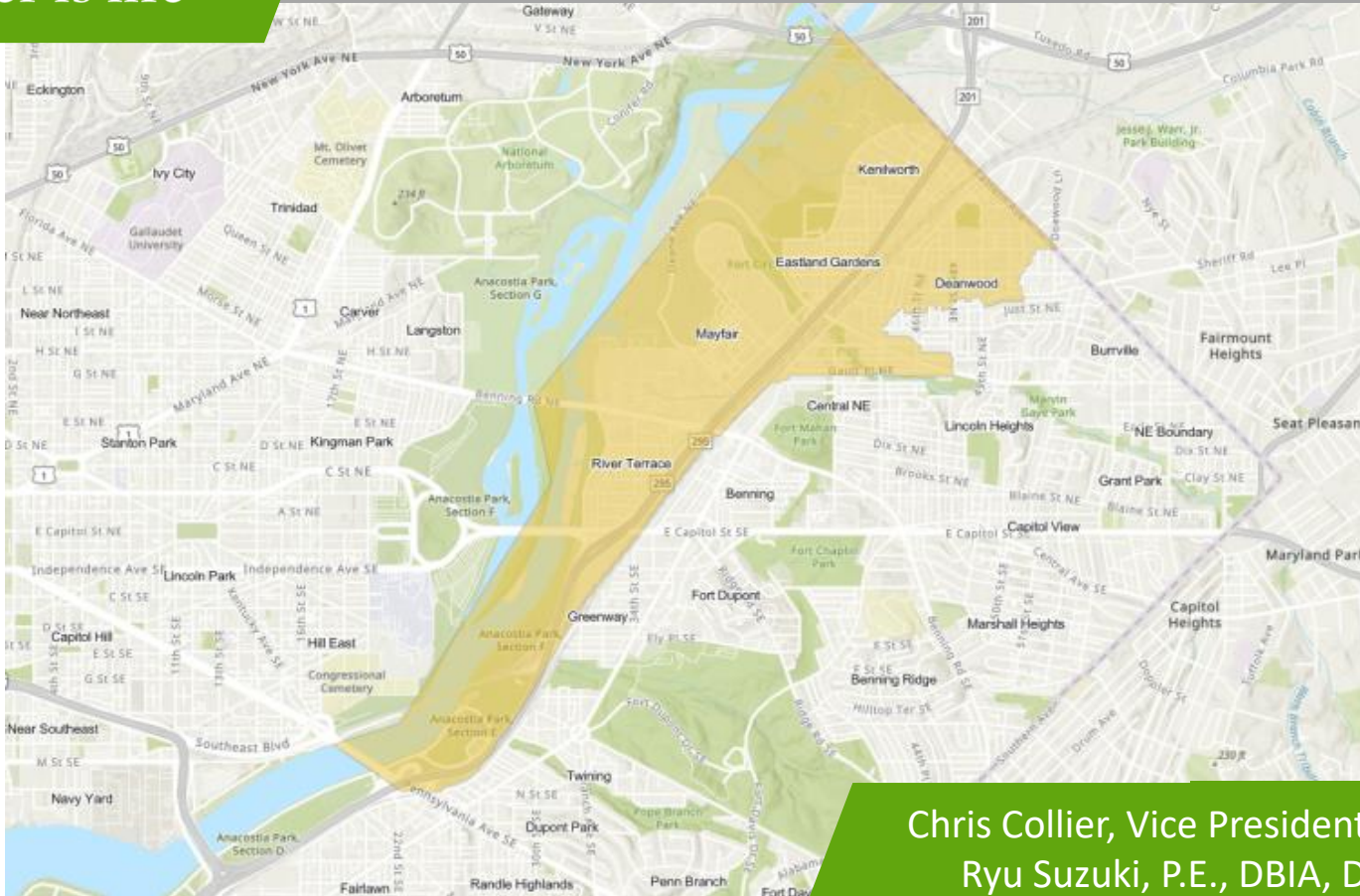




# Low Service Area Boil Water Advisory

## Environmental Quality & Operations Committee

December 19, 2024



Chris Collier, Vice President, Water Operations  
Ryu Suzuki, P.E., DBIA, Director Engineering



## Low Service Area Boil Water Advisory

### Situation to date

- **Incident timeframe:** 12/3/24 @ ~1:40 AM to 12/6/24 @ ~6:21 AM
- 30" Prestressed Concrete Cylinder Pipe (PCCP) water main, located in Anacostia Park, depressurized due to the failure of the pipe integrity creating pressure fluctuations (and subsequent pipe failures) within the distribution network resulting in no pressure/low pressure in the impacted area (~2,800 customers affected)
- The 16" feed along Benning Rd. NE was unavailable due to a broken valve leaving the A1H supply as the only supply available to repressurize the low service area
- Additional broken and inoperable valves were discovered during the water isolation efforts

### Actions to date

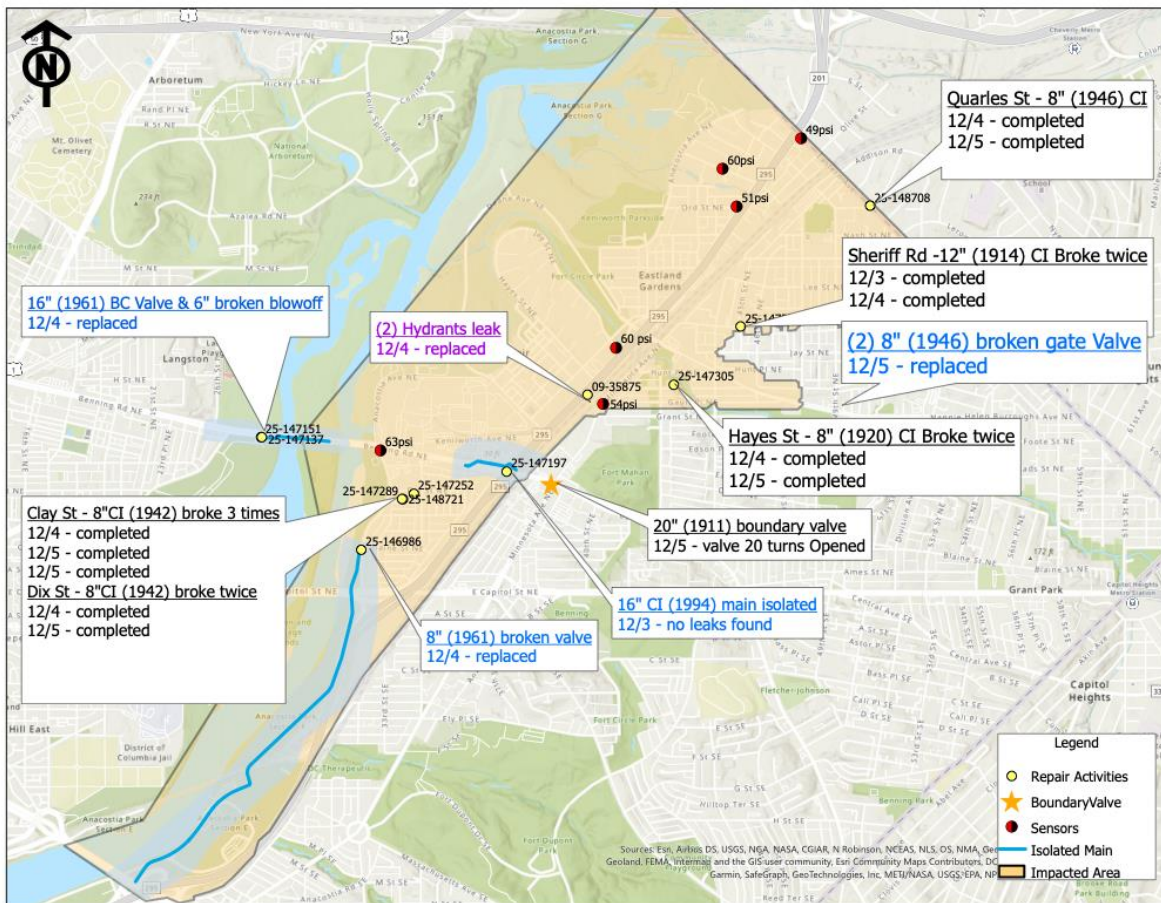
- Crews isolated 16" and a 30" water mains in response to the no pressure/low pressure complaints
- Crews opened an A1H boundary valve to repressurize the impacted area
- Boil Water Advisory issued during the early afternoon of 12/3/24, and was lifted at 6:00 AM on 12/6/24
- DC Water's Water Operations crews and contractors completed 32 water line and valve repairs (12 inside the impacted zone)
- Impacted areas were flushed after repair and regulatory samples (2) were taken (samples passed @ 5:00 AM on 12/6/24)
- 30" water main was briefly recharged to find the leak and was turned off once the leak area was identified

### Actions to be completed

- See "Anacostia Park Break Investigation Site" slide (inspection and repair of water and possible sewer infrastructure linear assets)
- Comprehensive valve, hydrant, and pipe assessment/repair program



# Boil Water Advisory Incident Map – 12/3/24 to 12/6/24



**Incident Timeline**

**12/3** - Pressure loss reported around 1:40am

**12/3** - DWO started investigation

**12/3** - Isolated 30" PCCP due to leaks

**12/3** - Found broken closed valve on 16" CI on Benning Road bridge

**12/3** - Boundary valve was opened as temporary water service to impacted area

**12/3** - Service restored through boundary valve by 5pm

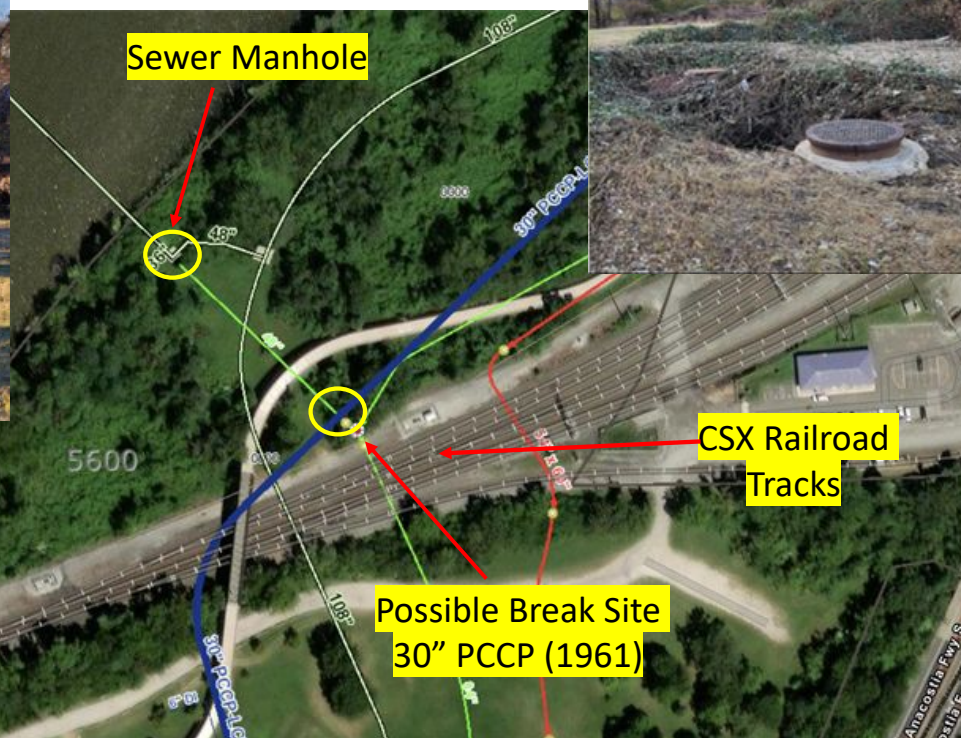
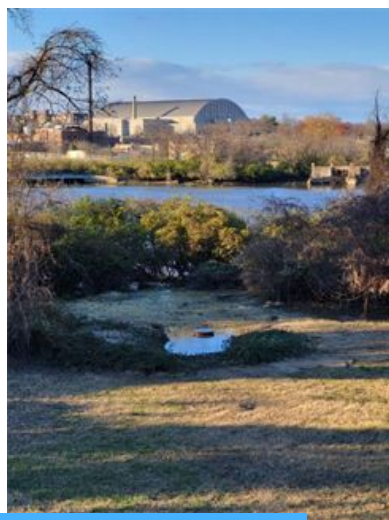
**12/3 to 12/5** - Main break started reporting. The first reported was at Dix Street at 6:20pm. Other break location are shown on the map

**12/5** - Boundary valve fully closed at 12:50pm

Current state is 30-inch PCCP is still isolated, pending locate leaks & repair. System is restored.



# Anacostia Park Break Investigation Site



## Notes

- Break site adjacent to CSX railroad tracks
- Anacostia Skating Rink is the only facility impacted (reopens 5/24/25)
- Extent of damage to facilities is unknown
- Inspection technology vendors have been identified and contacted
- Repairs will be performed by contractors due to the scope of repairs (i.e., dewatering, shoring, excavation, etc.)

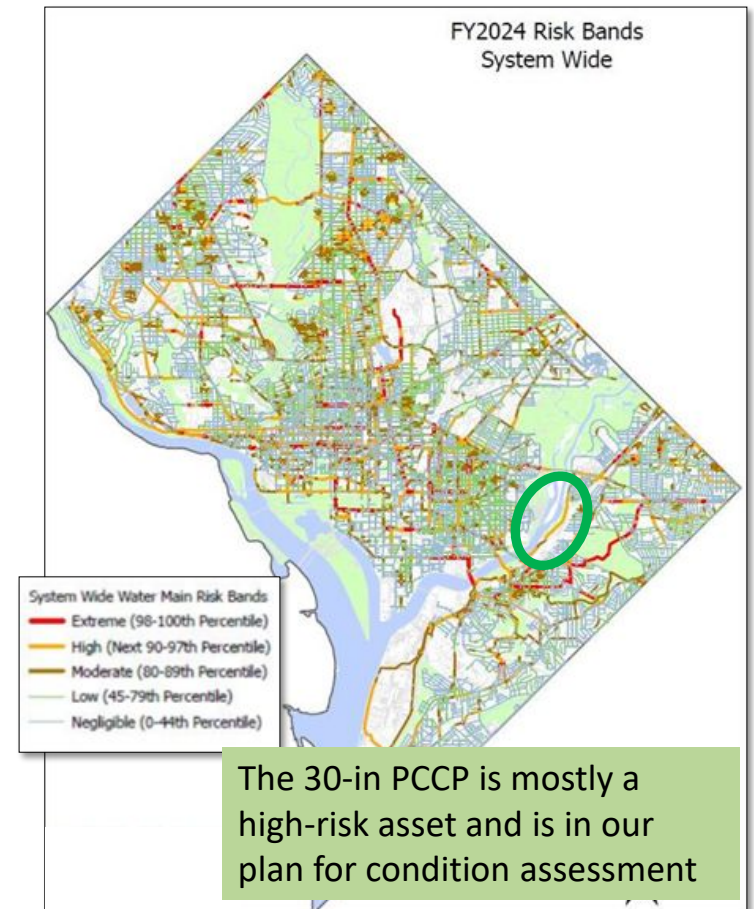


# Large Diameter WM Risk Bands

## Key factors considered

- Pipe attributes [DC Water GIS]
- Soil Data [corrosivity to concrete and steel pipes]
- Critical Customers
- Stray Current
- Land Use
- Flow rate
- Location [proximity to roads, water bodies, buildings, railways or metro and other environmental sensitive areas]

Risk Category	FY2023 Overall Mileage	Large Diameter Mileage	% of Total System Miles
Extreme	41.2	36.4	2.8%
High	111.8	94.7	7.3%
Moderate	111.2	71	5.5%
Low	459.3	22.7	1.7%
Negligible	575.9	0	0.0%
<b>Total</b>	<b>1,299.4</b>	<b>224.8</b>	<b>17.3%</b>





## What are we doing now?

- Repurposed some large diameter rehabilitation projects to pay for the replacement of critical valves. >20 critical valves have been replaced. Ongoing.
- Department of Water Operations has started procurement to start valve exercising and repair program.
- Engineering has started the process to bring on-call condition assessment contractors under the Water Program Management contract.
- Engineering has plans to assess the condition of about 4 miles of large diameter water mains in FY2025.
- The Engineering and Operations team are working to develop criteria to prioritize large valves for assessment and repair or replacement.



# *Anacostia Area Sewer Rehab Technical and Procurement*



# Anacostia Area Sewer Rehab Technical and Procurement

## Environmental Quality & Operations Committee

December 19, 2024



Anacostia Main Interceptor Sinkhole



East West Outfall Relief Sewer Temporary Bypass Channel

Ryu Suzuki, P.E., DBIA, Director Wastewater Engineering



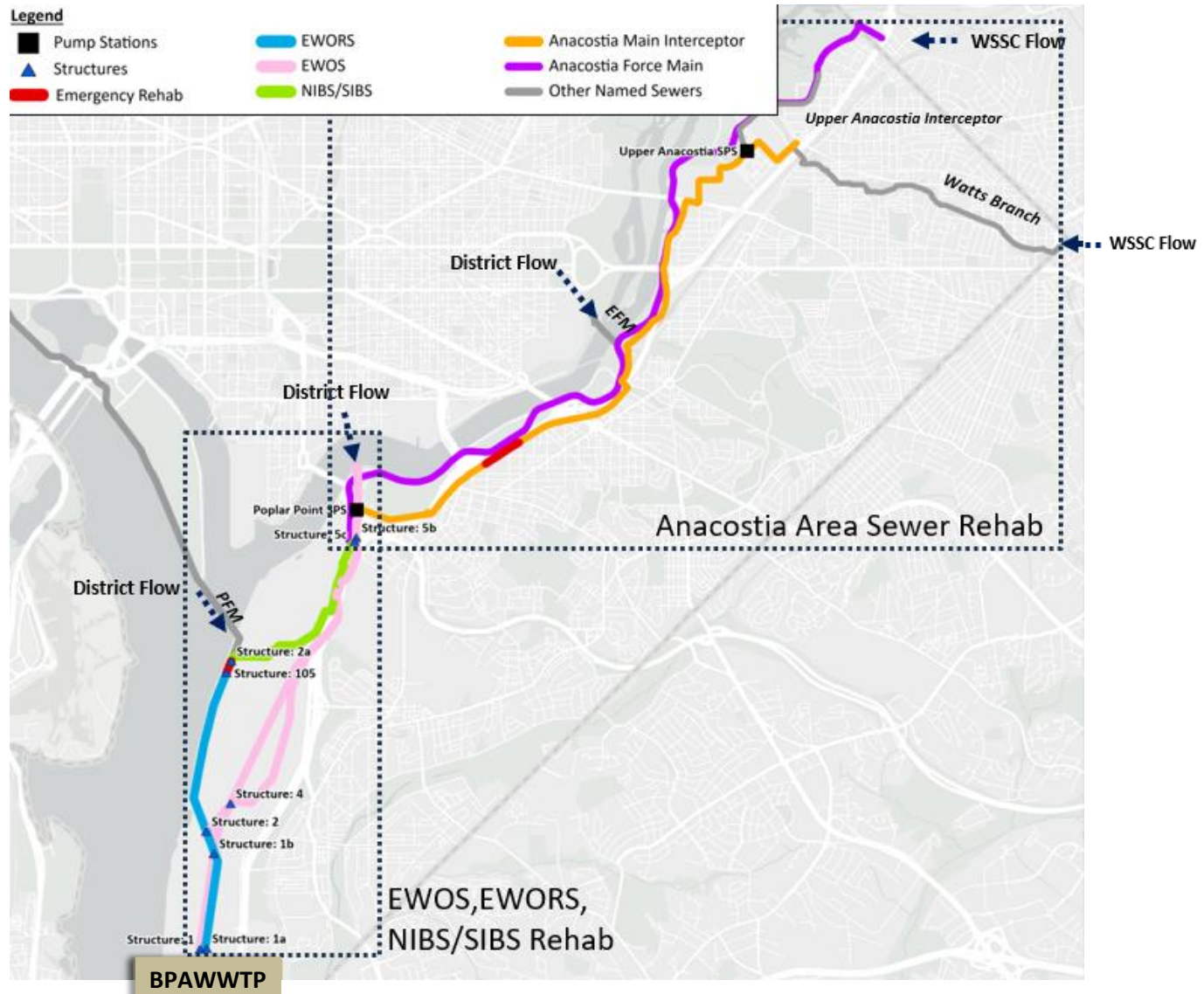


# Outline

## 1. Technical Information

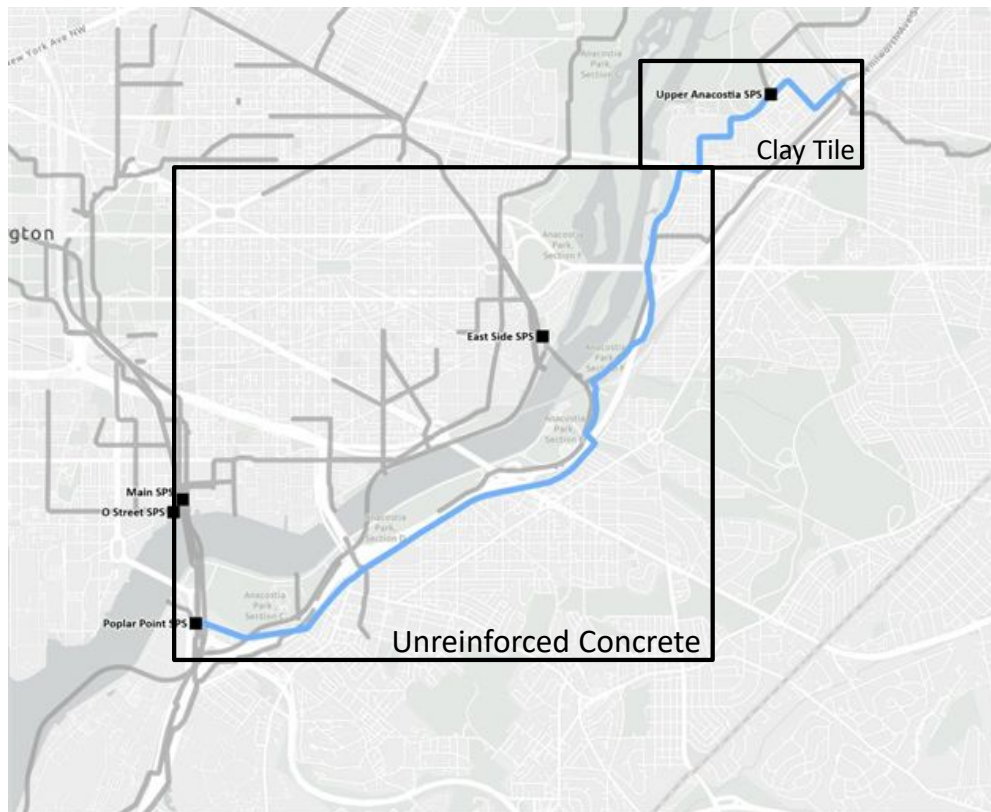
- a. Project Areas Overview
- b. Anacostia Sewers Rehab
  - a. Anacostia Main Interceptor
  - b. Anacostia Force Main
  - c. Outfall & Outfall Relief Sewers / NIBS and SIBS Rehab
- d. Technical Recommendations

## 2. Procurement Next Steps





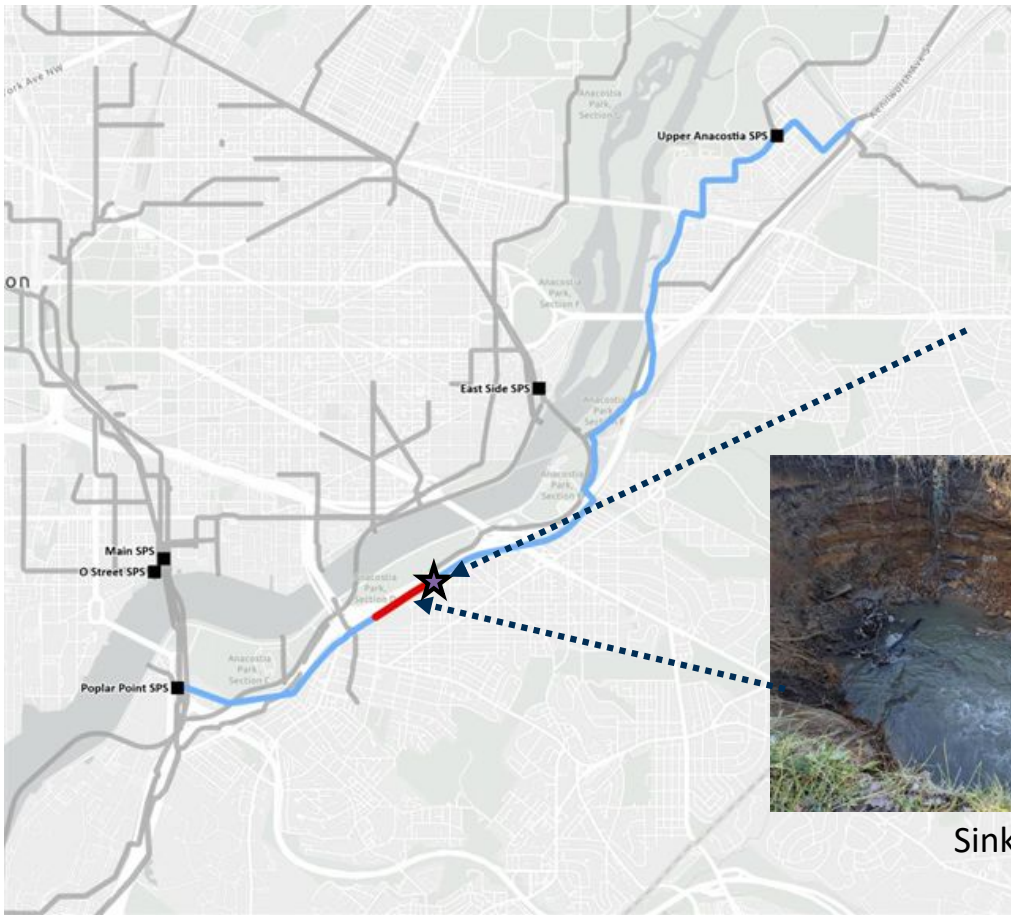
# Anacostia Main Interceptor Overview



Information	AMI
Material	Mostly unreinforced concrete, Clay tile
Diameter (in.)	24-66
Flow Type	Sanitary
MJUF Sewer?	Yes
Install Year	1910s
COF	6.7 (6-8.4)
Peak DWF (mgd)	21
Inspection %	95
Inspection Years	2011 and 2022
Total Length (miles)	5.1



# Anacostia Main Interceptor has had 2 failures in the past years



Point repair after failure



Debris (70% full)



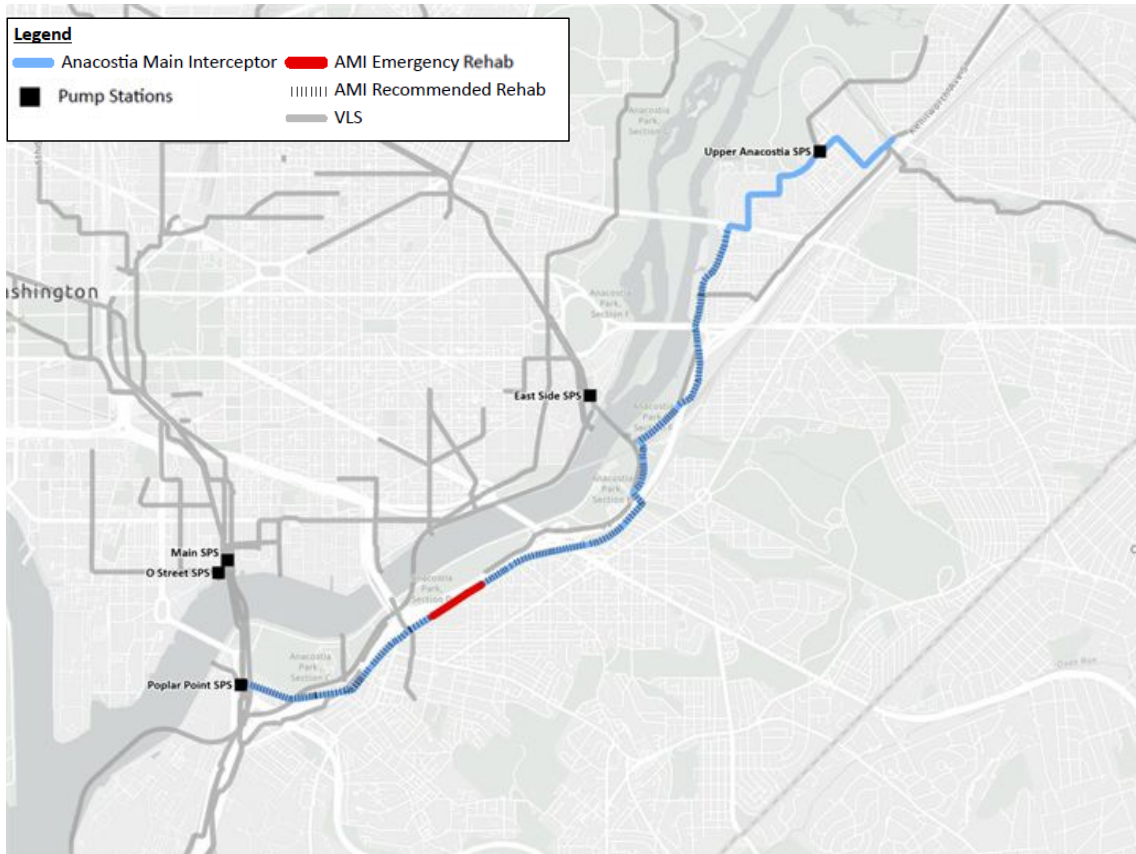
Sinkhole in 2023



Steel pipe installed



# Anacostia Main Interceptor Scope Recommendations



- Conduct heavy cleaning of the full length (5.1 miles).
- Rehabilitate 3.7 miles of non-reinforced concrete pipe.
- Performance Criteria:
  - Full structural rehabilitation
  - Trenchless
  - Preserve hydraulic capacity
- Opportunities for innovation:
  - Increase capacity
- Estimated cost<sup>(1)</sup>: **\$94M**

(1) Assumes CIPP and/or Geopolymer Lining



## *Anacostia Force Main (AFM)*



# AFM Background

- ~33,000 lf, 108-inch diameter PCCP, starting at WSSC's Anacostia PS #2 and terminates at Str5C
- Intersects National Park Service and CSX property and runs parallel to CSX
- Generally operates as a pressurized force main, but significant lengths operate partially full under gravity conditions
- Designed to convey ~305 mgd at design pressure of 110 psi
- Currently operating at max ~244 mgd/avg 68mgd (199 mgd from WSSC / 45 mgd from Eastside PS)



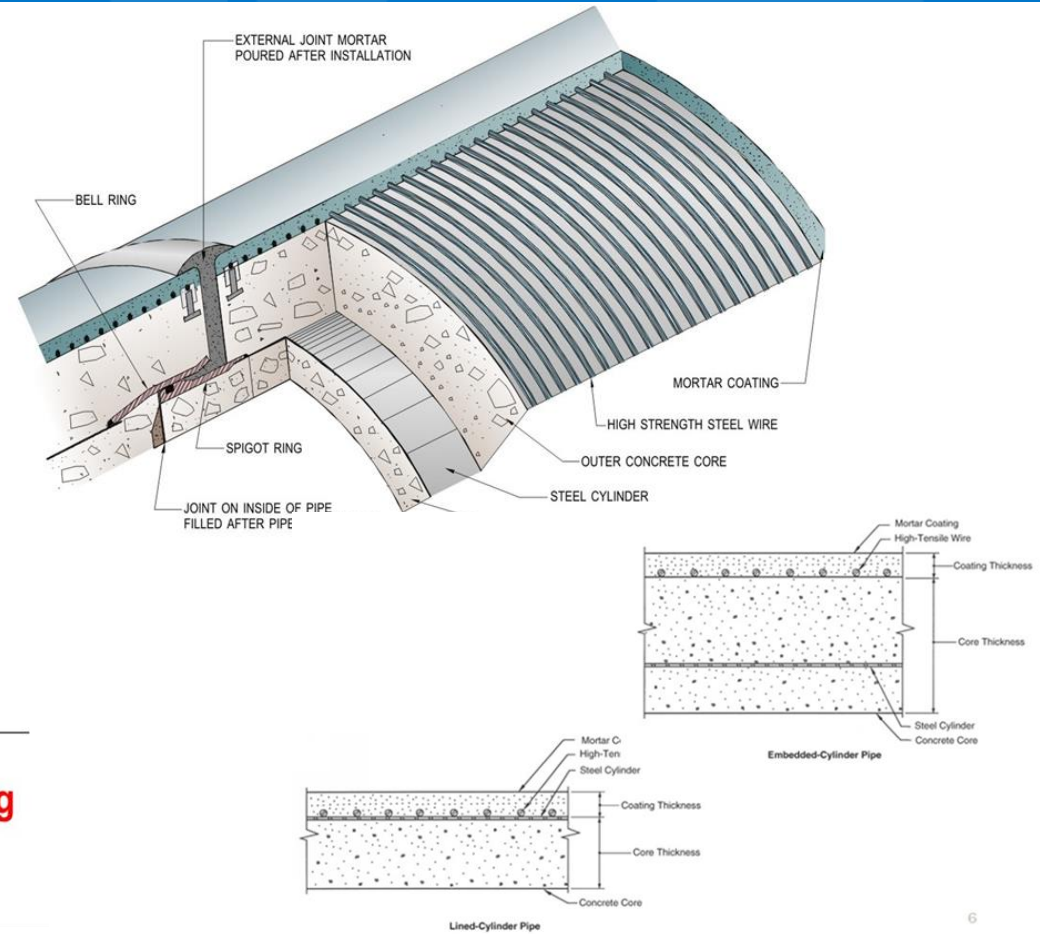


# AFM Pipe

## Report Conclusions:

108-inch diameter Prestressed Concrete Cylinder Pipe (PCCP) is 1970s vintage. Typical concerns include:

- Use of high strength Class IV wire (approx. 1973 to 1984)
- Steel cylinder grade and thickness
- Mortar coating quality and thickness (more porous due to less water content)



FINAL  
REPORT



DC Water and Sewer Authority  
Washington, DC

CONDITION ASSESSMENT  
OF THE  
ANACOSTIA RIVER  
108-INCH PCCP FORCE MAIN

## AFM Electromagnetic Testing Feasibility Study





## AFM History – 2018 Failure

- Failure assumed to be a result of biogenic corrosion at an air pocket void from reduced 68 mgd Average Daily Flow
- However, repair photos suggest a loss of protective mortar on the pipe's exterior that may have contributed to deterioration.



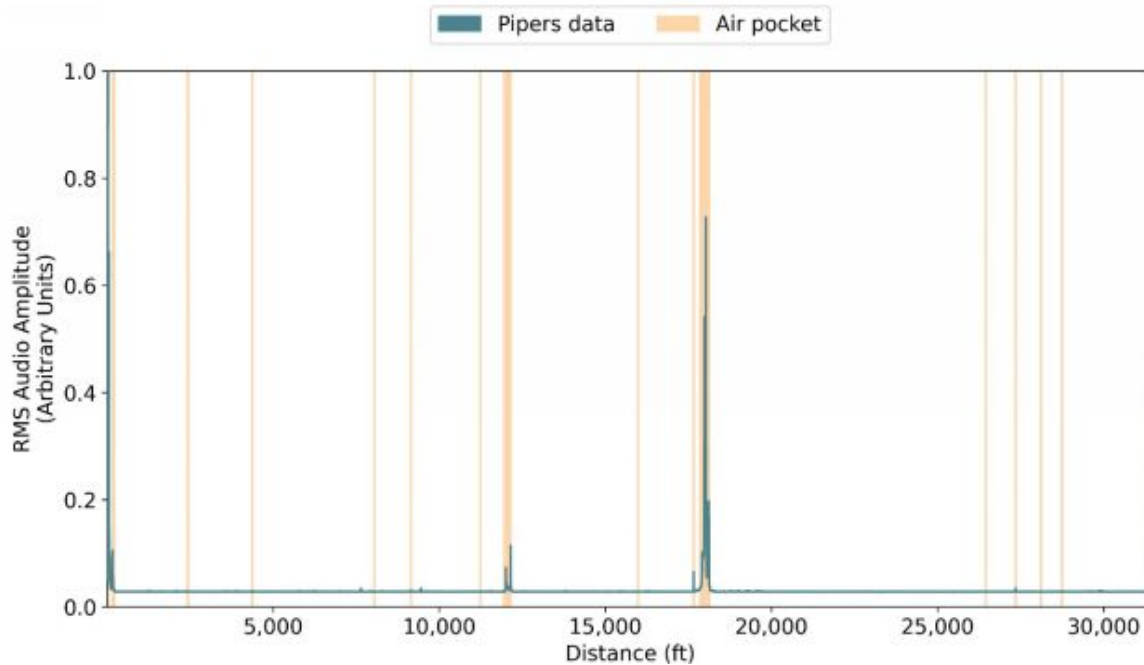


# INGU's Pipers Tool

- Sewer Program Manager Inspection Opinion Memo identified Pipers for the near-term inspection
- Inspection in 2024 identified 19 discrete gas pocket locations approximated as 800 feet of pipe (7 validated with repeat identification)



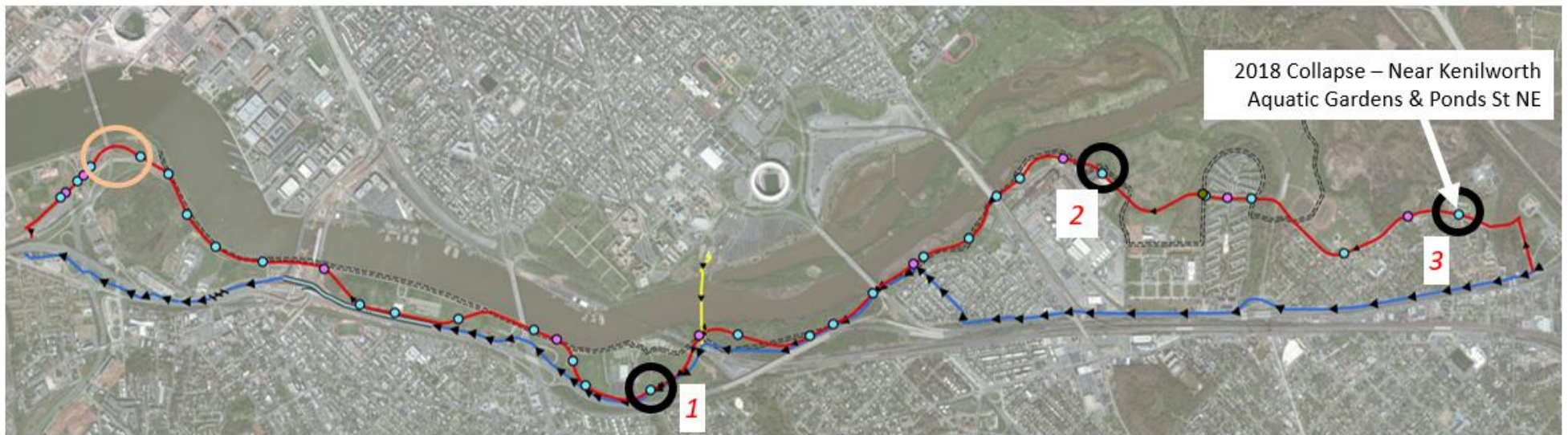
INGU's Pipers



Feature	Distance (ft)	Comment
Segment with air pockets	19.2 - 31.3	Around an elevation change
Segment with air pockets	47.9 - 65.8	Around an elevation change
Segment with air pockets	162.6 - 203.6	-
Air pocket	222.1 - 224.4	-
Air pocket	2,423.7 - 2,425.7	Non repeatable
Air pocket	2,444.1 - 2,445.6	Non-repeatable
Segment with air pockets	4,370.8 - 4,382.2	-
Air pocket	8,045.9 - 8,047.3	-
Segment with air pockets	9,130.7 - 9,168.1	Non-repeatable
Air pocket	11,225.9 - 11,249.3	Non-repeatable
Air pocket	11,953.3 - 11,960.0	-
Segment with air pockets	12,001.6 - 12,182.0	Around an elevation change
Air pocket	15,981.4 - 15,989.0	Non-repeatable
Air pocket	17,647.2 - 17,670.1	-
Segment with air pockets	17,817.4 - 18,155.2	Around an elevation change
Air pocket	26,457.2 - 26,459.9	Non-repeatable
Air pocket	27,347.9 - 27,359.6	-
Air pocket	28,101.8 - 28,105.9	-
Air pocket	28,742.6 - 28,747.5	Non-repeatable



# Hydraulic Model Gas Pocket Prediction



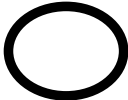
 Hydraulic Model Suggested Air Pockets

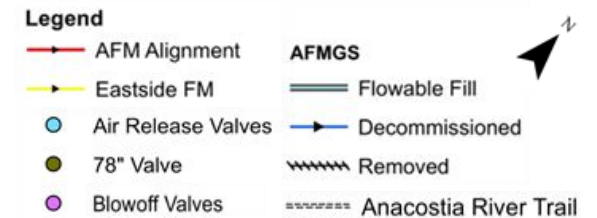
- Legend**
- AFM Alignment
  - Eastside FM
  - Air Release Valves
  - 78" Valve
  - Blowoff Valves
  - AFMGS
  - Flowable Fill
  - Decommissioned
  - Removed
  - Anacostia River Trail



# Hydraulic Model Gas Pocket Prediction with Verified Gas Pockets per Pipers



 Hydraulic Model Suggested Air Pockets





# Anacostia Force Main Scope Recommendations

- 2024 inspection detected no leaks but identified gas pockets at known high points (biogenic corrosion). Based on these results and low operating pressure (~28psi), the following improvements are recommended:
  - Replace manual ARVs with automatic ARVs (including odor control)
  - Install bypass accesses
  - Apply coating on the air pocket areas
  - Restore cathodic protection system
- Estimated cost: **\$15M**





## *Outfall Sewers:*

*East West Outfall Sewer (EWOS)*

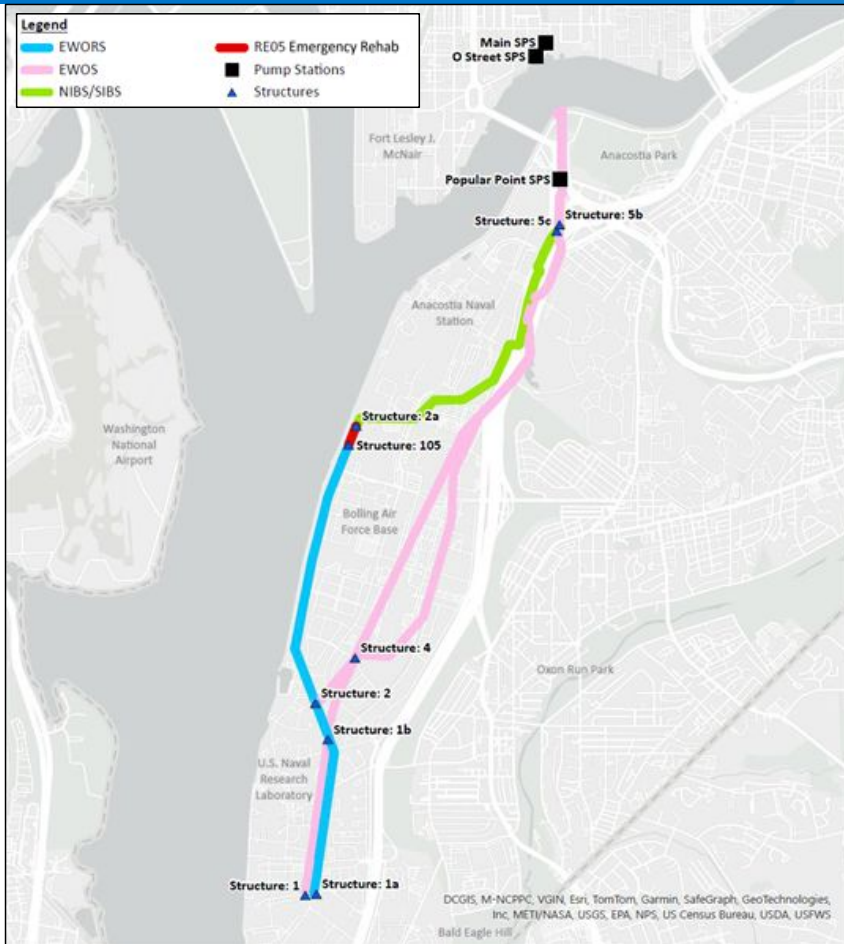
*East West Outfall Relief Sewer (EWORS)*

*North Interconnecting Branch Sewer (NIBS)*

*South Interconnecting Branch Sewer (SIBS)*



# Outfall Sewers, NIBS/SIBS Overview



Information	WORS	EORS	WOS	EOS	NIBS	SIBS
Material	RCP					
Dimension (in.)	96-147	124-165	78-164	48-164	100-112	64-112
Flow Type	Combined					
MJUF	Yes					
Install Year	1968		1940	1905-1906	1980-1982	
COF	6.0 to 7.3		4.0 to 8.4		5.1 to 7.3	
Peak DWF (mgd)	213	109	37	58	97	55
Inspection %	98%		93%	98%	64%	
Last Inspection	2023					
Total Length (miles)	2.1	2.1	3.0	3.8	1.5	1.5



# EWOS, EWORS, and NIBS/SIBS

Signs of severe corrosion following 2023 inspections:


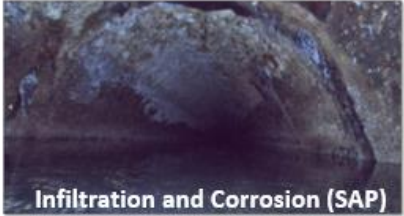
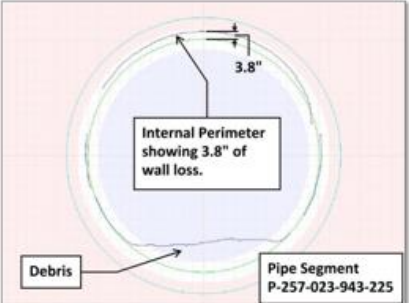



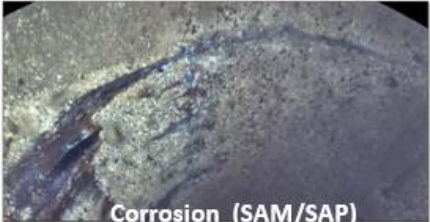

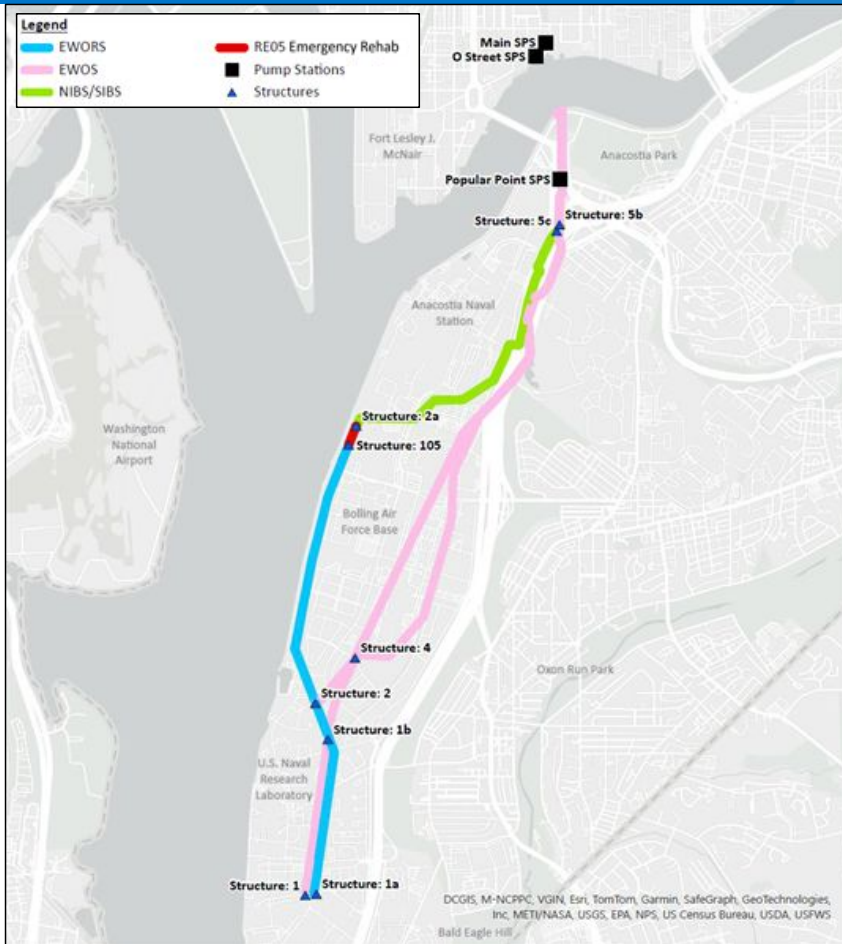
EWOS	EWORS	NIBS and SIBS
 <p>Cracks and Fractures</p>	 <p>Infiltration and Corrosion (SAP)</p>	 <p>Internal Perimeter showing 3.8" of wall loss.</p> <p>Debris</p> <p>Pipe Segment P-257-023-943-225</p>
 <p>Corrosion (SRV)</p>	 <p>Corrosion (SRV)</p>	<p>Severe corrosion</p> 
 <p>Corrosion (SAM/SAP)</p>	 <p>Corrosion (SAM/SAP)</p>	

Figure 1-3: Laser Profiling Results Showing Wall Loss and Debris Accumulation





# Rehabilitation Recommendations



Conduct heavy cleaning of West Outfall Sewer (3.0 miles) and NIBS/SIBS (3.0 miles)  
Rehabilitate all 14 miles EWOS pipes previously lined (Shotcrete) in 2010 show signs of corrosion

Performance Criteria  
Fully structural rehabilitation  
Trenchless  
Preserve hydraulic capacity  
Respond to Emergencies  
Estimated cost: **\$454M**



# *Anacostia Area Sewer Rehab*

## Budget

- Estimated Cost (Class V): \$566M
- Approved budget Cost at Completion: \$431M

## Procurement

- Release Request for Qualification in April 2025
- Issue Notice to Proceed: January 2026
- Estimated Construction Completion January 2031



# *Action Items- DCFA519*

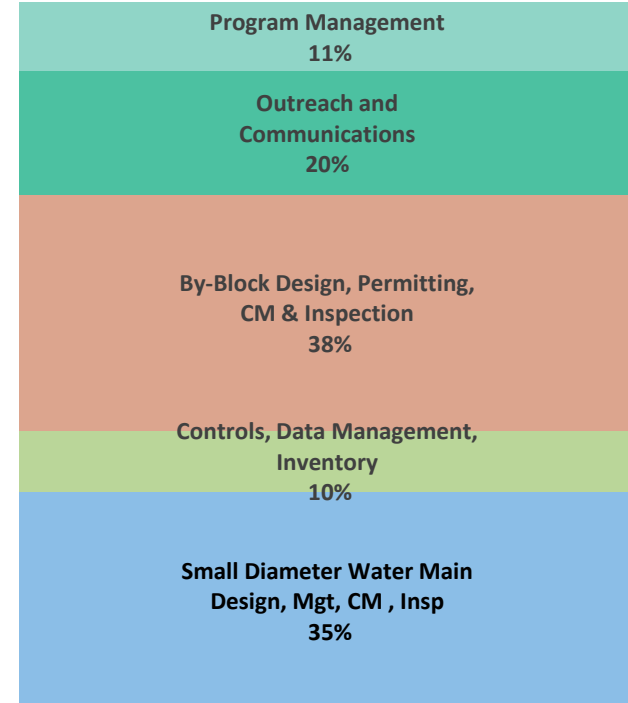


## DCFA 519 Program Management Services Supplemental Agreement



- 2023 Plan and Inventory Update
  - 28,000 Services to 42,000 Services
- Additional services for the Lead-Free Group across Program Management, Data Management, Design, Permitting, Outreach, Marketing, Construction Management, Inspection
- Maintained SDWM program during WPM transition
- More than 23,000 replacements anticipated to come through Small Diameter Water Main Replacement Projects requiring focus on consistent outreach for right of entry agreements on those projects
- Increase Base Term Funding of Program Management Contract by \$35M to provide additional services and level of effort
  - Budget is still available for program management services for future years following the base term

Breakdown of Services of Amended Agreement



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

**ACTION REQUESTED**

**ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT:**

**Lead Free DC - Program Management & Construction Management (PMCM)  
(Non-Joint Use)**

Approval to execute Supplemental Agreement No. 1 for \$35,250,000. The modification exceeds the Chief Executive Officer's approval authority.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Lead Free Group, Joint Venture (Ramboll Engineering, PC and CDM Smith Inc.)  10306 Eaton PI, Suite 220 Fairfax, VA 22030	BVF Engineering, Inc. Wayne, NJ	DBE 5.0%
	DM Enterprises, LLC Baltimore, MD	DBE 5.0%
	ADC Management Solutions Washington, DC	DBE 4.0%
	Bryant Associates, Inc. Hyattsville, MD	DBE 4.0%
	Interagency, Inc Washington, DC	DBE 2.0%
	CorGroup, LLC Dayton, NJ	DBE 1.0%
	PL Associates, Inc. Edgewood, MD	DBE 1.0%
	DP Consultants, Inc. Washington, DC	WBE 5.0%
	SZ PM Consultants, Inc. Oakton, VA	WBE 5.0%
	PRR, Inc. Baltimore, MD	WBE 3.0%

DBE Participation = 22% WBE Participation= 13%

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$ 66,354,880.00
Total of Previous SA's	\$ 0.00
Current Contract Value:	\$ 66,354,880.00
Value of this SA:	\$ 35,250,000.00
Total Contract Value, Including this SA:	\$101,604,880.00
Original Contract Time:	1,460 Days (4 Years, 0 Months)
No. of Option Years in Contract	4
Time extension, this SA:	0 Days
Total SA contract time extension:	0 Days
Contract Start Date:	10-01-2022
Contract Completion Date:	09-30-2030 (Including 4 Option years)

**Purpose of the Contract:**

Provide program management, construction management, and all necessary technical services to achieve the Lead Free DC program goal of replacing all lead service lines in Washington, DC.

**Original Contract Scope:**

The overall scope is to replace all lead service lines within the District of Columbia by 2030. This contract provides core services needed to obtain that goal. Work includes:

- Providing program and construction management services
- Providing public outreach and communication, program controls and reporting to maximize customer participation.
- Providing data management, field management services, technical support, workshops and other related services as needed.
- Expanding and refining DC Water's existing service line data inventory
- Enhancing local subconsultants/subcontractors' participation.

**Previous Supplemental Agreement Scope:**

- N/A

**Current Supplemental Agreement Scope:**

- Perform additional level of effort required for the program due to:
  - Accommodate a 47% increase in the number of estimated lead service line replacements
- Inclusion of Small Diameter Water Main (SDWM) Replacement projects in the program
  - Volume of assigned tasks under the original contract scope exceeding initial estimated quantities
- Provide original and supplemental scope through year 4 of the contract, through the end of the 2026 Fiscal Year.

**Future Supplemental Agreement Scope:**

- A future supplemental agreement may be authorized to continue services into 1 or more of the 4 option years of the contract.

**PROCUREMENT INFORMATION**


<b>Contract Type:</b>	Cost Plus Fixed Fee	<b>Award Based On:</b>	Best Value
<b>Commodity:</b>	Professional Services	<b>Contract Number:</b>	DCFA-519
<b>Contractor Market:</b>	Open Market		


**BUDGET INFORMATION**


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

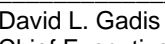
**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$35,250,000.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$35,250,000.00</b>

Signed by:  
  
 52A2EE0BEE29492... / 12/13/2024  
 Kirsten B. Williams Date  
 Chief Communications and Stakeholder  
 Engagement Officer and EVP

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 262C5D96CC1C4D3... / 12/13/2024  
 Matthew T. Brown Date  
 Chief Financial Officer and EVP  
 Finance, Procurement and Compliance

DocuSigned by:  
  
 40BDAE0B31F6429... / 12/13/2024  
 Korey Gray Date  
 Vice President of Compliance  
 and Interim Chief Procurement Officer

DocuSigned by:  
  
 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 CHANGE ORDER:**

**Major Sewer Rehabilitation 1-5 Northeast Boundary  
(Non-Joint Use)**

Approval to execute Change Order No. 004 for \$2,723,934. The modification exceeds the Chief Executive Officer's approval authority.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Spiniello Companies 3500 East Biddle Street Livingston, New Jersey 07039	Shekinah Group, LLC New Brunswick, NJ	DBE 9.0%
	RAM Construction, Inc Olney, MD	WBE 5.0%

DBE Participation = 9% WBE Participation= 5%

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$ 7,823,300.00
Total of Previous Change Orders:	\$ 1,213,748.16
Current Contract Value:	\$ 9,037,048.16
Value of this Change Order:	\$ 2,723,934.00
Total Contract Value, including this CO:	\$11,760,982.16
Original Contract Time:	560 Days (1 Year, 6 Months)
Time extension, this CO:	90 Days
Total CO contract time extension:	90 Days
Contract Start Date (NTP):	10-18-2023
Anticipated Contract Completion Date:	07-29-2025
Cumulative CO % of Original Contract:	50.3%
Contract completion %:	68.0%

**Purpose of the Contract:**

This project aims to rehabilitate a section of the Northeast Boundary Trunk Sewer, thereby extending the lifespan of the sewer and its associated structures. The majority of the work will be carried out using trenchless rehabilitation technologies, primarily Geopolymer Lining Systems (GLS).

**Original Contract Scope:**

- Structural rehabilitation using Geopolymer Lining System (GLS) for approximately nine hundred (900) linear feet of 22-foot circular and three hundred and seventy (370) linear feet of 6-foot by 9-foot combined sewer pipes with associated internal point rehab and lateral/pipe reinstatements.
- Structural rehabilitation using Geopolymer Lining System (GLS) on five (5) sewer manholes/structures.
- Internal sewer flow control, pipe cleaning, inspection, and erosion and sediment control of project site.

**Previous Change Order Scope:**

- Revised the General Wage Decision (GWD) dated March 31, 2023, from the Contract Labor Provisions and replaced it with the GWD dated September 1, 2023.
- Revise schedule of prices for a 22-foot circular sewer pipelining quantity from eight hundred (800) linear feet to nine hundred (900) linear feet to align with the drawings and specifications, unit price cost remains unchanged.
- Scope of work addition to furnish all labor, material, and equipment to repair the identified sinkhole.

**Current Change Order Scope:**

- Cracks and missing bricks have been detected in the wall of an existing 22-foot circular combined sewer main southbound of the current project limits. This is a cunette section located 900LF from access manhole at the end of current construction requiring extended bypass piping and scaffolding modifications. However, the contractor can continue the Geopolymer line item without having to remobilize or delay this critical repair. Perform rehabilitation of additional cracks and missing bricks along 399 linear feet of the sewer main wall, starting at the cunette.

**PROCUREMENT INFORMATION**

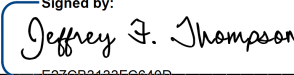
<b>Contract Type:</b>	Unit Price	<b>Award Based On:</b>	Lowest responsive, responsible bidder
<b>Commodity:</b>	Construction	<b>Contract Number:</b>	220160
<b>Contractor Market:</b>	Open Market		

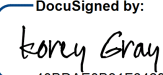
**BUDGET INFORMATION**

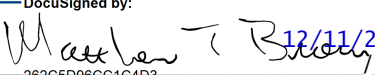
<b>Funding:</b>	Capital	<b>Department:</b>	Wastewater Engineering	
<b>Service Area:</b>	Sanitary	<b>Department Head:</b>	Ryu Suzuki	
<b>Project:</b>	RC			

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 2,723,934.00
Washington Suburban Sanitary Commission	0%	\$
Fairfax County	0%	\$
Loudoun County & Potomac Interceptor	0%	\$
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 2,723,934.00</b>

Signed by:  
  
 Jeffrey F. Thompson / 12/11/2024  
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 Jeffrey F. Thompson Date  
 Chief Operating Officer and EVP

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 Korey R. Gray / 12/11/2024  
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 Korey R. Gray Date  
 Vice President of Compliance  
 and Interim Chief Procurement Officer

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 Matthew T. Brown / 12/11/2024  
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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  
 Chief Executive Officer and General Manager



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

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT MODIFICATION**

**IT SOFTWARE CONTRACT ADDITIONAL FUNDING**

**(Non-Joint Use)**

Approval to extend the contract for Genesys Cloud CX for fourteen (14) months in the amount of \$477,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Voxai Solutions, Inc. (DBE) 635 Fritz Dr. Suite 220 Coppell, TX 75019	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> 100%
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**DESCRIPTION AND PURPOSE**

Original Period Contract Value:	\$991,524.00
Original Contract Dates:	08-05-2022 – 8-04-2025
Contract Modification No. 1 Value:	\$477,000.00
Contract Modification No. 1 Dates	01-15-2025 – 10-13-2026

**Purpose of the Contract:**

DC Water’s Customer Care department requires the ongoing use of a cloud-based call center orchestration platform capable of omnichannel engagements, Automatic Call Distribution (ACD), Interactive Voice Response (IVR), intelligent call routing, built-in workforce engagement, management reporting, metrics dashboards, and end to end customer journey management.

**Contract Scope:**

The scope of the contract includes software licenses for the Genesys Cloud CX application platform, IVR maintenance service and maintenance on the dependencies within DC Water’s internal network. Genesys Cloud CX provides improved capabilities for the Customer Service Dept. to work remotely and removes limitations and risks of on-premises system (local outages, license limitations and hardware failures).

Additional funding is required to cover the extended term, telephony usage, an additional year of Managed Services and Tier 3 help desk support for the final year of the contract.

**Spending Previous Years:**

Cumulative Contract Value:	08-05-2022 – 08-04-2025: \$991,524.00
Cumulative Contract Spending:	08-05-2022 – 11-19-2024: \$970,343.26

**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**

<b>Contract Type:</b>	Goods & Services	<b>Award Based On:</b>	Best Value
<b>Commodity:</b>	IT Software	<b>Contract Number:</b>	10246
<b>Contractor Market:</b>	Limited Competition – Qualified Genesys Cloud Integrators		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Information Technology
<b>Project Area:</b>	DC Water Wide	<b>Department Head:</b>	Joe Edwards

**ESTIMATED USER SHARE INFORMATION**

User - Operating	Share %	Dollar Amount
District of Columbia	100%	\$477,000.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$477,000.00</b>

Joseph M. Edwards / 12/6/2024  
 Joe Edwards Date  
 CIO and EVP of Information Technology

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Korey Gray / 12/6/2024  
408DAF0931F6420  
 Korey Gray Date  
 Vice-President of Compliance and  
 Interim Chief Procurement Officer

**Matthew T. Brown**  
 Digitally signed by Matthew T. Brown  
 Date: 2024.12.09 12:06:19 -05'00'  
 Matthew T. Brown Date  
 CFO and EVP of Finance and Procurement

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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**

**GOODS AND SERVICES CONTRACT MODIFICATION  
TANK RESERVOIR CLEANING SERVICES  
(Non-Joint Use)**

Approval to add funding for continued High Pressure/High Vacuum Cleaning Services in the amount of \$741,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Jet Blast, Inc. 6800 Fort Smallwood Rd Baltimore, MD 21226	<b>SUBS:</b>  N/A	<b>PARTICIPATION:</b>  0.00%
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**DESCRIPTION AND PURPOSE**

Base Years Contract Value:	\$400,000.00
Base Years Contract Dates:	03-01-2023- 02-28-2025
No. of Option Years in Current Contract:	2
Option Years 1-2 Value:	\$400,000.00
Option Years 1-2 Dates:	03-01-2025 – 02-28-2027
<b>Add funding (This request):</b>	<b>\$741,000.00</b>
<b>Funding Dates:</b>	<b>12-01-2024 - 2-28-2027</b>

**Purpose of the Contract:**

Department Pumping Sewer Operations (DPSO) requires the services of a qualified contractor to provide services to complete tank cleaning, waste disposal, disinfection work, including site mobilization, staging and demobilization of nine water storage tanks/ underground reservoirs and appurtenances at various locations throughout the Washington, DC area. Water tanks and underground storage reservoirs must be regularly cleaned to remove sediment and disinfected to maintain the quality of the drinking water to meet federal regulations and to maintain the structural integrity of the facilities and pipe that store and carry drinking water.

**Scope of the Contract:**

Vendor to provide all labor, materials, tools, and equipment required to complete the thorough cleaning (via water blasting), waste disposal, and disinfection work. Additional requirements include site mobilization, staging, and demobilization of various DC Water underground water storage reservoirs and tanks at various locations throughout the Washington, DC area.

**Purpose of Request:**

This request is to add funding to the final 2 option years of the contract due to the following unplanned costs incurred:

- Additional emergency flushing and cleaning due to the type of debris found within the Brentwood Reservoir and for the protection of our customers from water quality concerns.
- Additional flushing of the transmission mains occurred along with additional recleaning after the flushing to ensure no further debris was found.
- Emergency sand filter restoration required by an inspection from DOEE, requiring work.

**Spending Previous Year:**

Cumulative Contract Value:	03-01-2023 – 10-30-2027: \$800,000.00
Cumulative Contract Spending:	03-01-2023 – 10-16-2024: \$708,437.24

**Contractor’s Past Performance:**

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

No LBE/LSBE Participation

**PROCUREMENT INFORMATION**


<b>Contract Type:</b>	Goods and Services	<b>Award Based On:</b>	Best Value
<b>Commodity:</b>	Tank Reservoir Cleaning Service	<b>Contract Number:</b>	10345
<b>Contractor Market:</b>	DC Water Wide		

**BUDGET INFORMATION**


<b>Funding:</b>	Operating	<b>Department:</b>	Department Pumping & Sewer Operations
<b>Service Area:</b>	DC Water Wide	<b>Department Head:</b>	Kenrick St. Louis

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$741,000.00
Washington Suburban Sanitary Commission		
Fairfax County		
Loudoun Water		
Other (PI)		
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$741,000.00</b>

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 Chris M. Collier Date  
 Vice President, Water Operations

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

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

\_\_\_\_\_  
 David L. Gadis Date  
 CEO and General Manager