



District of Columbia Water and Sewer Authority Board of Directors

Environmental Quality and Operations Committee May 15, 2025 / 9:30am

Microsoft Teams meeting

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Phone Conference ID: 807 516 457#

1. **Call to Order** _____ Sarah Motsch, Chairperson
2. **Roll Call** _____ Michelle Rhodd, Board Secretary
3. [April 2025 Blue Plains Wastewater Treatment Plant Performance](#) _____ Nicolas Passarelli
4. [Clean Rivers Quarterly Update](#) _____ Jeffery Peterson
5. [CIP Quarterly Update](#) _____ Moussa Wone & Paul Guttridge
6. [Lead Free DC Quarterly Update](#) _____ William Elledge
7. [Service Line Material Identification Pilot Update](#) _____ William Elledge
8. **Action Items** _____ John Pappajohn & Moussa Wone

Joint Use

1. [Contract No. 230040 – Blue Plains Floodwall Segments A, B and D – Kokosing Industrial, Inc.](#)
2. [Contract No. 210080 A.B.C.D. – Phase 8 \(MFU-8\) Program – Amendment 1 – Allan Myers VA, Inc., American Contracting & Environmental Services, Inc., Ulliman Schutte Construction, W.M. Schlosser Co. Inc.](#)

Non-Joint Use

1. [Contract No. 180040 – Small Diameter Watermain Rehab. Contract 15D – Capitol Paving of DC](#)

9. **Executive Session*** _____ Sarah Motsch

10. **Adjournment** _____ 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.

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.



Blue Plains Wastewater Treatment Performance

Nicholas Passarelli

Vice President Wastewater Treatment Operations



April 2025 Blue Plains Wastewater Treatment Plant Performance

Permit & Flows – April 2025

- All weekly and monthly NPDES permit requirements were met
- Average Outfall 002 flow for April 2025: 281 MGD
- Peak Day flow: April 11th at 432 MGD

Tunnel Systems and Wet Weather – April 2025

- 138 MG Captured in Tunnel with 0 overflows
- 3.0 inches of rain

Electrical Energy Use and Generation – April 2025

- 23% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 6.1 megawatts (MW)
- Solar System produced an additional 0.65 MW of power on average
- Total electricity consumption at Blue Plains averaged 29.3 MW with average of 22.6 MW purchased from PEPCO
- Total Purchased Power Savings FY2025 (thru Jan 2025): \$2,033,600

Class A Biosolids – April 2025

- Blue Drop sold approximately 11,118 tons of Bloom; total of 34,514 tons towards FY25 goal of 70,000 tons.
- Produced 12,711 tons of biosolids for the month, remaining 1,593 tons managed through land application contracts

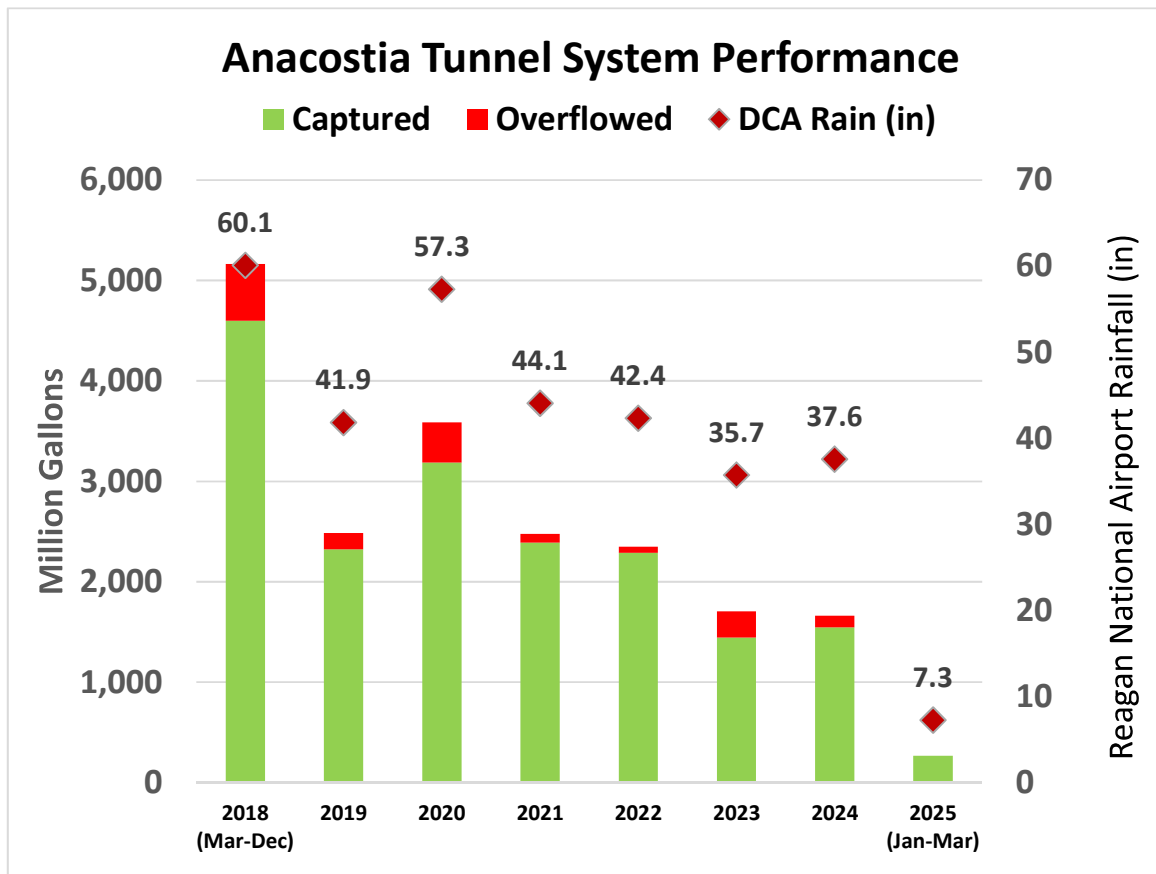


Clean Rivers Quarterly Report

Jeff Peterson
Director Clean Rivers Projects



Anacostia Tunnel System Performance

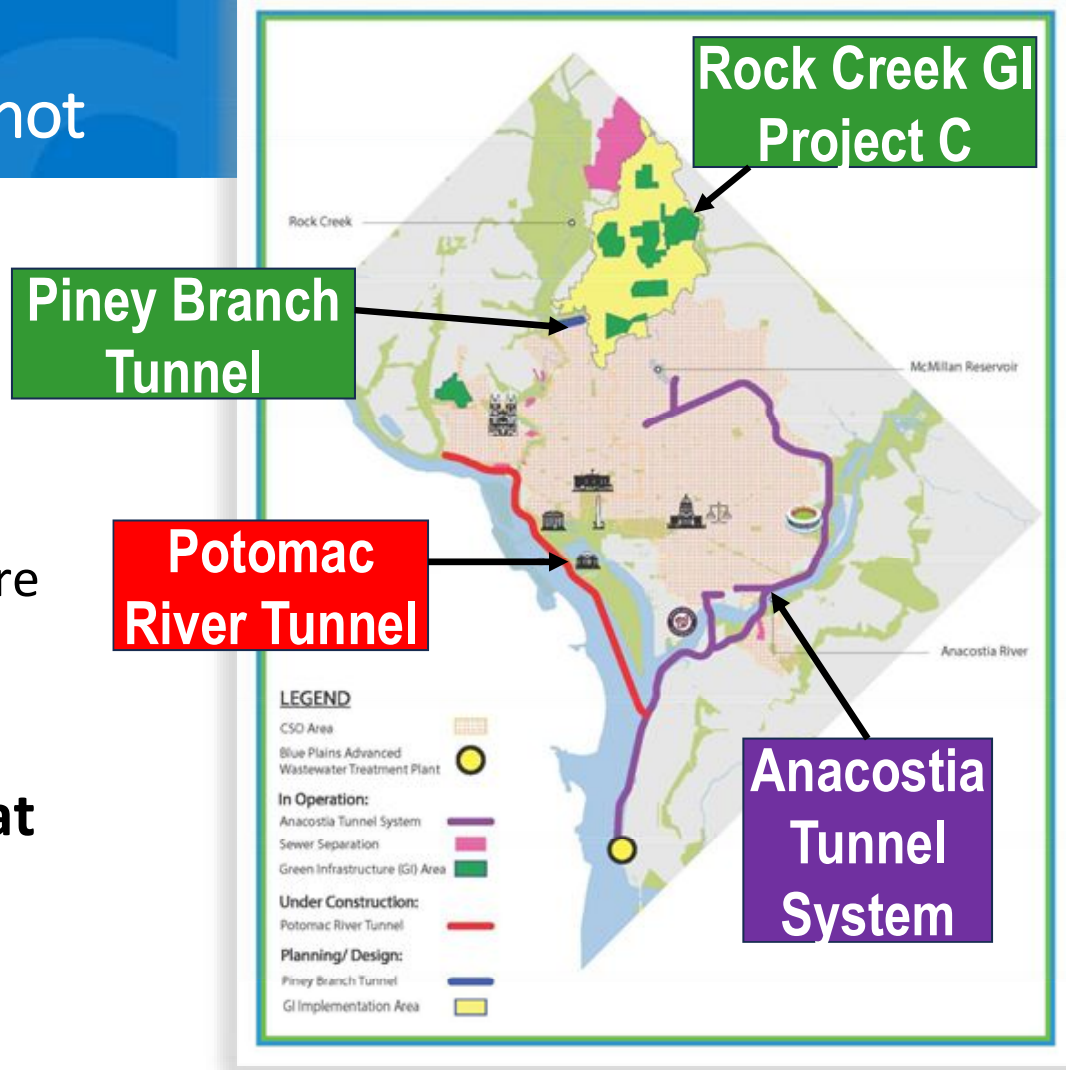


- 18 Billion gallons captured (March 2018 – March 2025)
- 11,495 tons trash, debris and solids captured



Project Snapshot

- **In operation:** Anacostia Tunnel System
- **In construction:**
 - Potomac River Tunnel
 - Rock Creek Green Infrastructure (GI) Project C
- **In preconstruction services (Construction Management at Risk):**
 - Piney Branch Tunnel





Potomac River Tunnel (PRT)

Mobilized to CSO 028
(Key Bridge)

Installed seawall protection
at CSO 022 (Watergate)

West Potomac Park (WPP):
-Excavating both shafts
-Setting up site





Potomac River Tunnel – Work Progress



WPP Overflow and
Mining Shaft
Temporary Support of
Excavation System



WPP Temporary Shaft
Temporary Support of
Excavation System



Installation of Micropile
System to Protect Seawall
during Construction



North Tunnel Boring Machine (TBM)



Factory Acceptance Test: April 3, 2025



Naming the PRT-B Tunnel Boring Machines

DC Water TBM naming convention has traditionally settled on local individuals of note.

DC Water is proud to honor the sisters Mary and Emily Edmonson. Their contributions were instrumental in advancing civil rights.

North TBM – Mary
South TBM – Emily

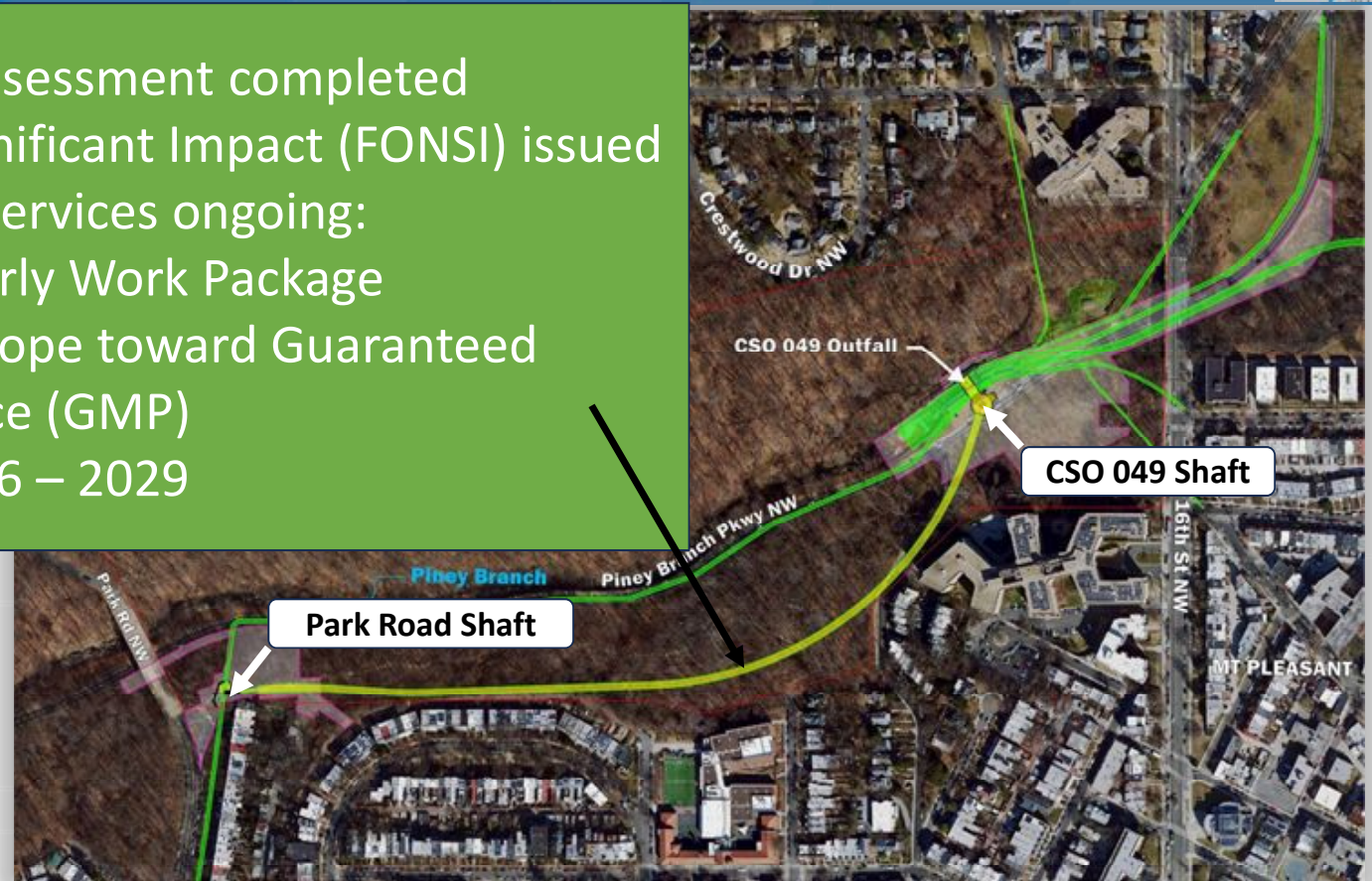




Piney Branch Tunnel



- Environmental Assessment completed
- Finding of No Significant Impact (FONSI) issued
- Preconstruction services ongoing:
 - Developing Early Work Package
 - Progressing scope toward Guaranteed Maximum Price (GMP)
- Construction 2026 – 2029





Projects to Complete Consent Decree

Project	Construction Timeframe
Anacostia River	
All controls	In service
Potomac River	
Potomac River Tunnel	2024 – 2030 (in construction)
Rock Creek	
Green Infrastructure Project C	2025 – 2027 (in construction)
Green Infrastructure Project D	2028 – 2030
Piney Branch Tunnel	2026 – 2029

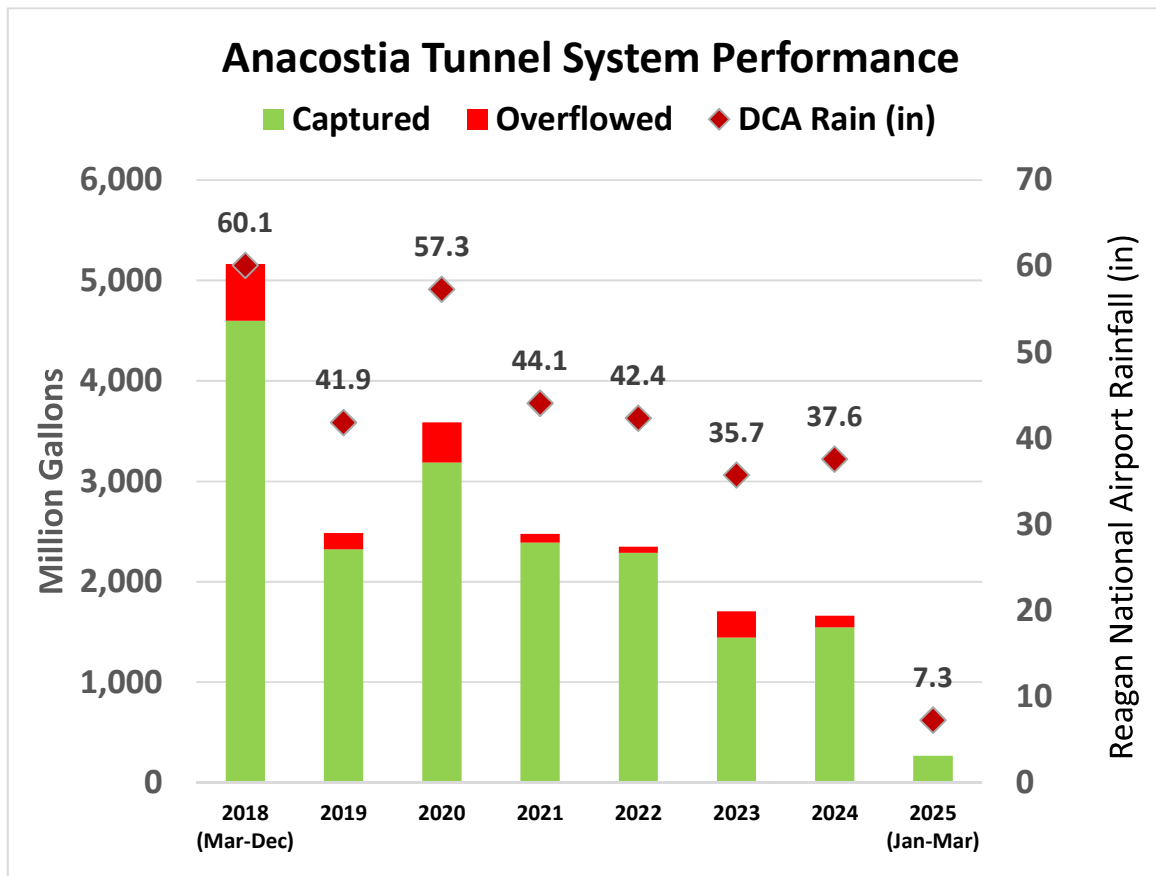


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Jeff Peterson
Director Clean Rivers Projects



Anacostia Tunnel System Performance

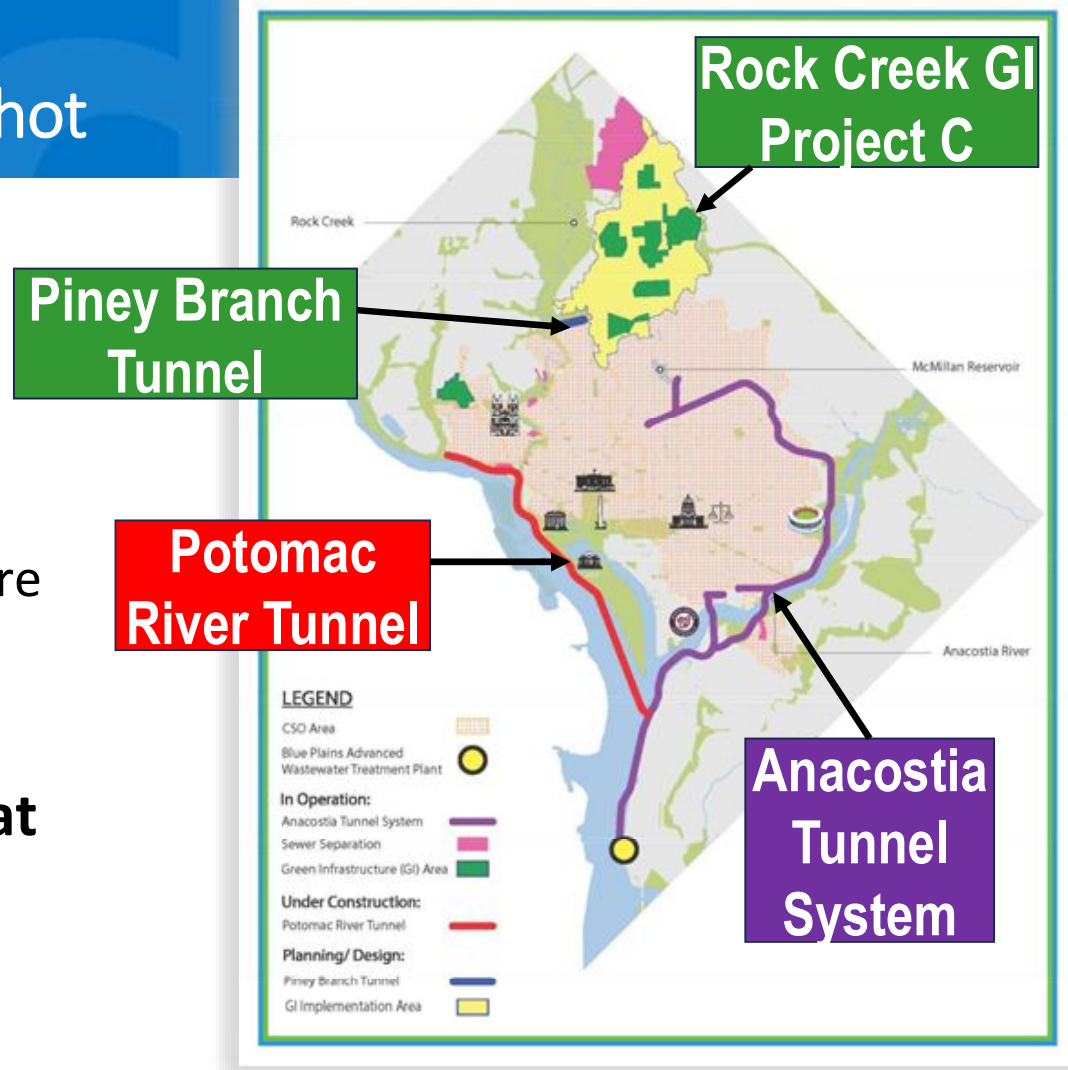


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CIP Quarterly Report

Moussa Wone, Ph.D., PE, DBIA
Vice President Engineering and Clean Rivers

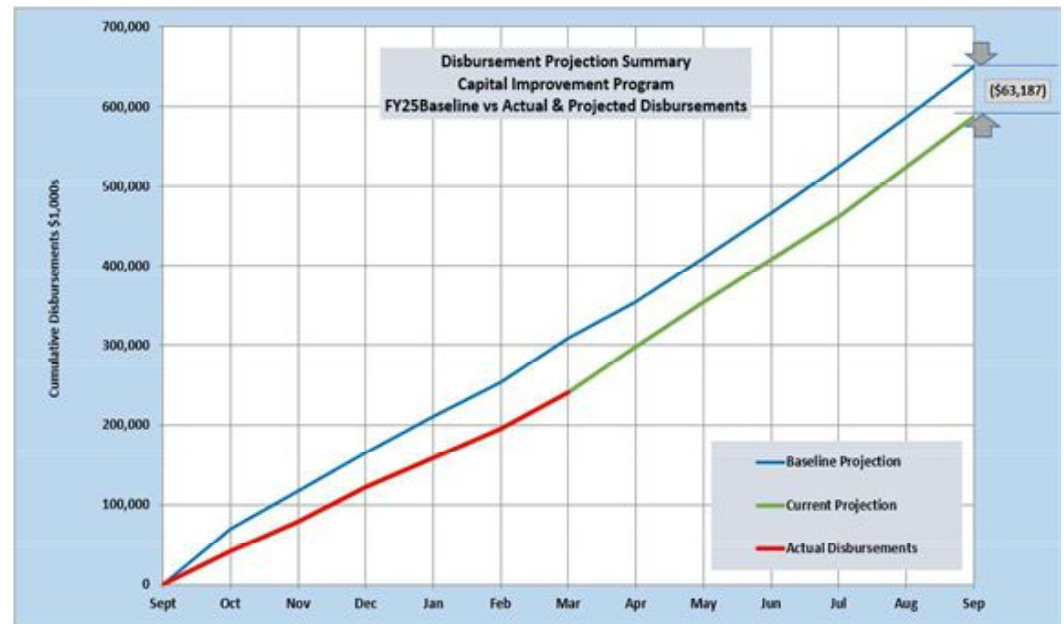
Paul Guttridge, PMP, Assoc. DBIA
Director Shared Services and Asset Management



CIP Quarterly Update

FY25 CIP Disbursement Performance

- The Baseline projection for FY25 was developed to better align with the anticipated execution of the planned work. Total Baseline budget is **\$650M**
- The actual total program disbursements through the end of Q2 are **\$240M**.
- The current projected fiscal year spending forecast is **\$587M**, approx. 90% of the overall target.





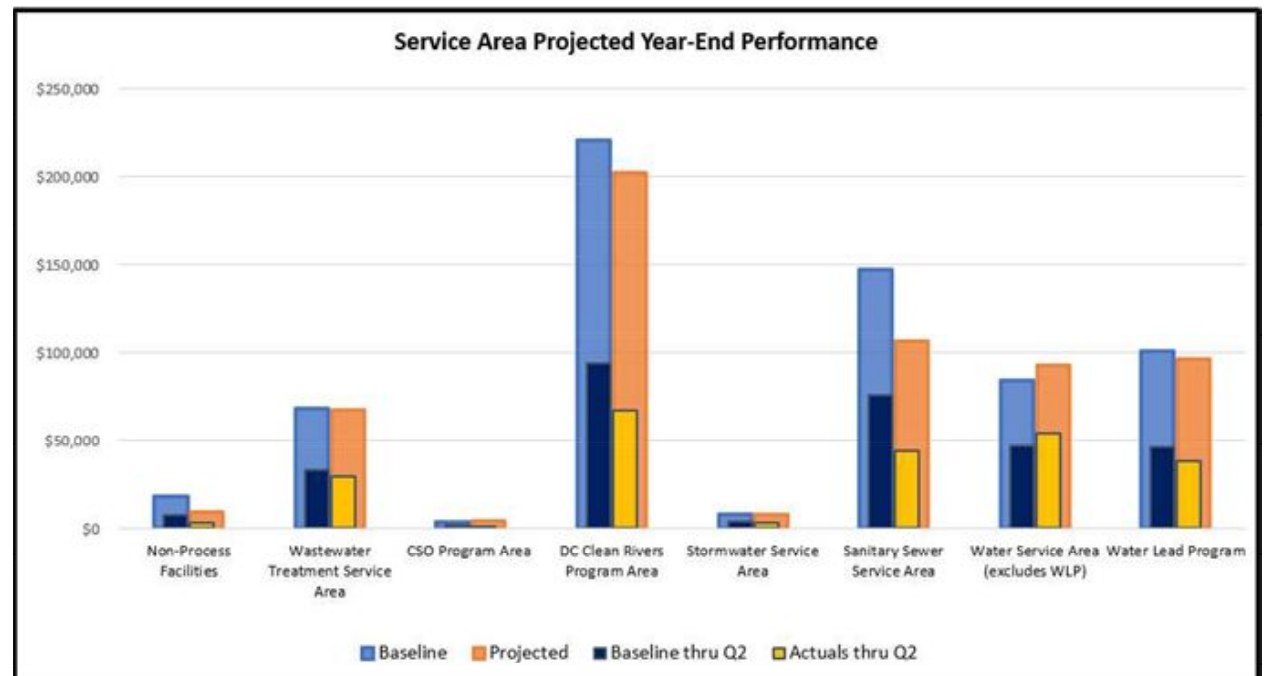
FY25 Spending Performance by Service Area

Service & Program Area Deltas

- The **LFDC program** current spending forecast is expected to over-achieve due to better than anticipated progress
- The **Sewer Area** is currently forecast to spend less due to changes on the Potomac Interceptor program and delays in local sewer rehab construction.
- Additionally, contingencies for Sewer emergency work have not arisen

Summary of FY25 KPIs– Schedule Milestones:

	Performance
52	Total KPIs due this year
5	KPIs completed within threshold
21	KPIs projected outside threshold (>90 days)





Water Program Updates

ACCOMPLISHMENTS:

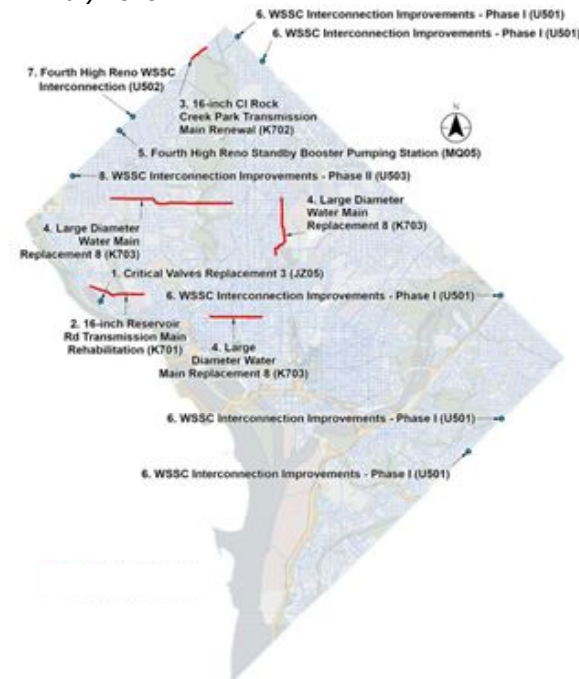
- CIP updates including identification and prioritization of capital project needs, validation of existing projects and updated coding to align with asset types and alternative delivery procurement.
- Conducted Procurement outreach for the Water Pumping & Storage Facilities Progressive Design Build (PDB). Request for Proposal (RFP) anticipated in July 2025.
- Continued condition assessment of large diameter water mains using non-invasive technologies to evaluate pipeline conditions. High resolution assessments are expected to start in June
- Provided support for repair and restoration of 30" pipe break in Anacostia Park.



Post-Repair Restoration of 30" PCCP Main in Anacostia Park

PROJECT SPOTLIGHT:

Scope and cost validation in progress for Transmission Mains and Critical Valves PDB, comprising of large diameter water main rehabilitation, critical valve replacements/improvements and new connections to the WSSC system. Planned procurement: Request for Qualifications (RFQ) May 2025, RFP July 2025.





Sewer Program Updates

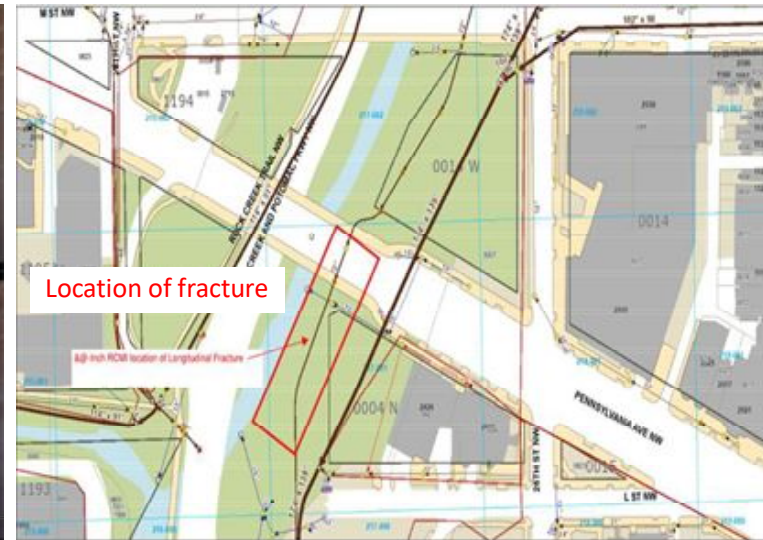
ACCOMPLISHMENTS:

- Contractor pre-qualifications pending approval and notification for \$200M Linear Water and Sewer Rehab Master Services Agreement (MSA).
 - Intended for when designs are complete or not needed, and for high-priority response.
- RFQ released on 4/22 for Anacostia Area Sewer Rehab Progressive Design Build. Statement of Qualifications (SOQs) due 5/22.
- Responded to a series of sink holes along a storm sewer pipe near Suitland Parkway. Interim repairs underway to rebuild the bottom of the pipe.
- FY25 inspection totals:
 - 27 miles of local sewers
 - 14 miles of very large sewers
 - 1,444 manholes



PROJECT SPOTLIGHT:

High-priority response at Rock Creek Main Interceptor (RCMI) escalated to Incident Management Team based on evidence of a worsening fracture. Geotechnical investigation and multi-sensory inspection (MSI) underway. Flow diversion options under evaluation and a task order in development for Structural Technologies to lead cleaning and repair work.





Process Facilities Program Updates

ACCOMPLISHMENTS:

- **Capital Program Delivery**

- Completed handover from incumbent for ongoing capital project delivery management
- Completed procurement selection for Headworks and Primary Upgrades Portfolio **CMAR Contract** (\$200M)
- Completed contract negotiations for Filtration and Disinfection Upgrades Portfolio **CMAR Contract** (\$200M)
- Completed contract negotiations for Floodwall Segments ABD **PDB Contract** (\$30M)

- **System Reliability and Regulatory Compliance**

- Guided contractor engagement for rehabilitation and repair of Digester Facilities at Blue Plains
- Mobilized task order construction management staff to meet Dept of Pumping & Sewer Operations and Dept of Wastewater Treatment needs on multiple projects

CONTRACT SPOTLIGHT:

Cleaning and surface preparation underway for concrete repairs within the Headworks Influent & Effluent Structures at Blue Plains AWTP (\$29M).





Non-Process Facilities Program Updates

ACCOMPLISHMENTS:

• Capital Program Delivery

- Bidding package prep in progress for 14 HVAC system Replacements (Projected Cost \$4.5M)
- Completed the Roof Assessments for 84 roof in Blue Plains campus.
- Completed the Concept design and cost estimate for Bryant Street meter building and distribution shop.
- Submitted the Central Operations Facility Building Life Safety Assessment report.
- NPFPM supported the Canal St Fencing Project through substantial completion in March 2025.
- Submission of the WELL Health & Safety Ratings certification application for 4 buildings, in March 2025.
- Intermediate design submission of the Yard Park Gate in February 2025.
- Pre-Final design submission of the HQ Terrace Improvements in February 2025.
- Achieved 95% design completion of the Old Anacostia Field Ops Project in March 2025

CONTRACT SPOTLIGHT:

*Bidding package prep in progress for Main Pump Station-Modifications and Historic Restoration. **CMAR Contract** (~\$12M)*



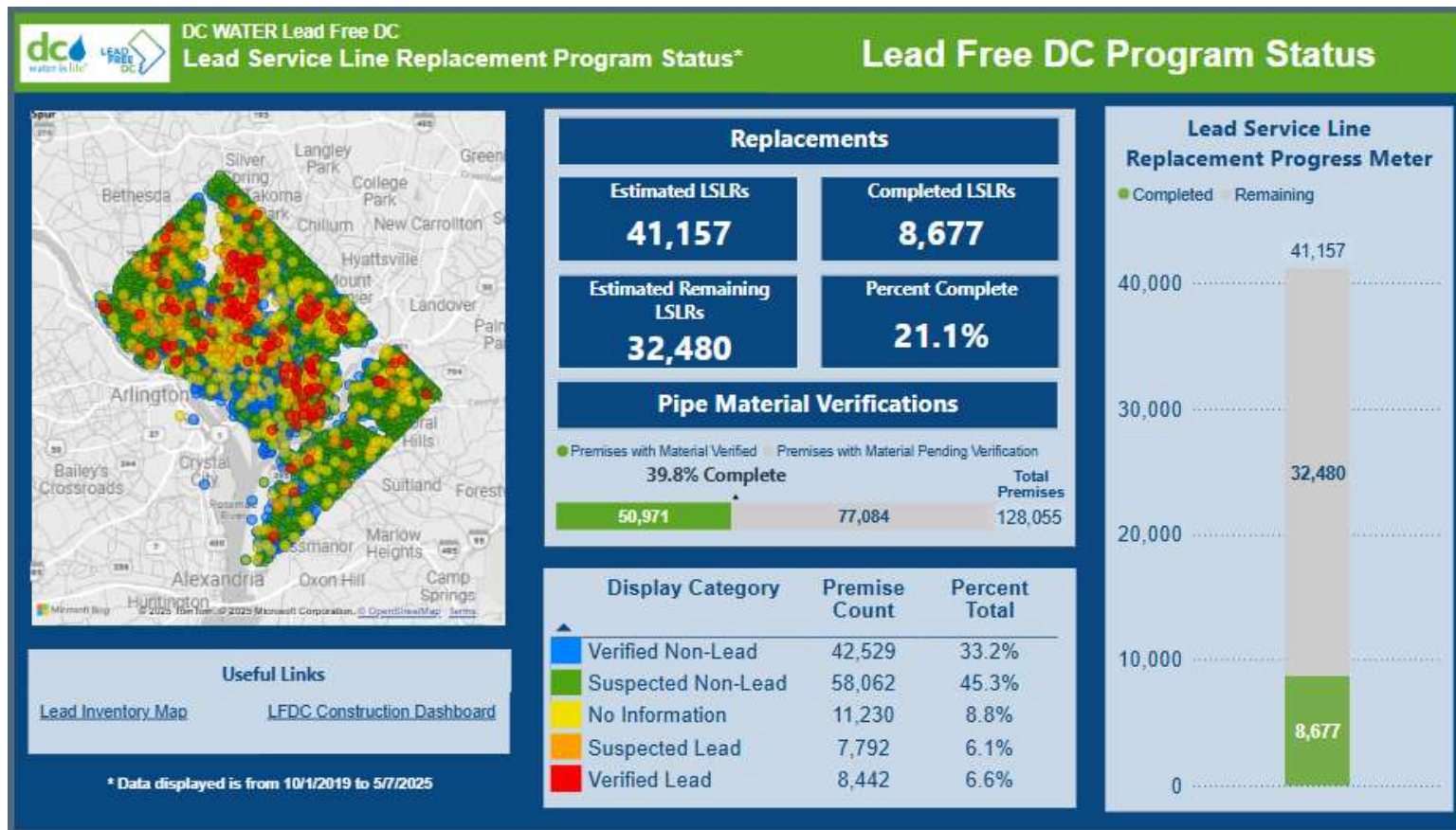


Lead Free DC Quarterly Update

William Elledge, PE, Assoc. DBIA
Director Capital Water Program and Lead Free DC



Lead Free DC Program Dashboard

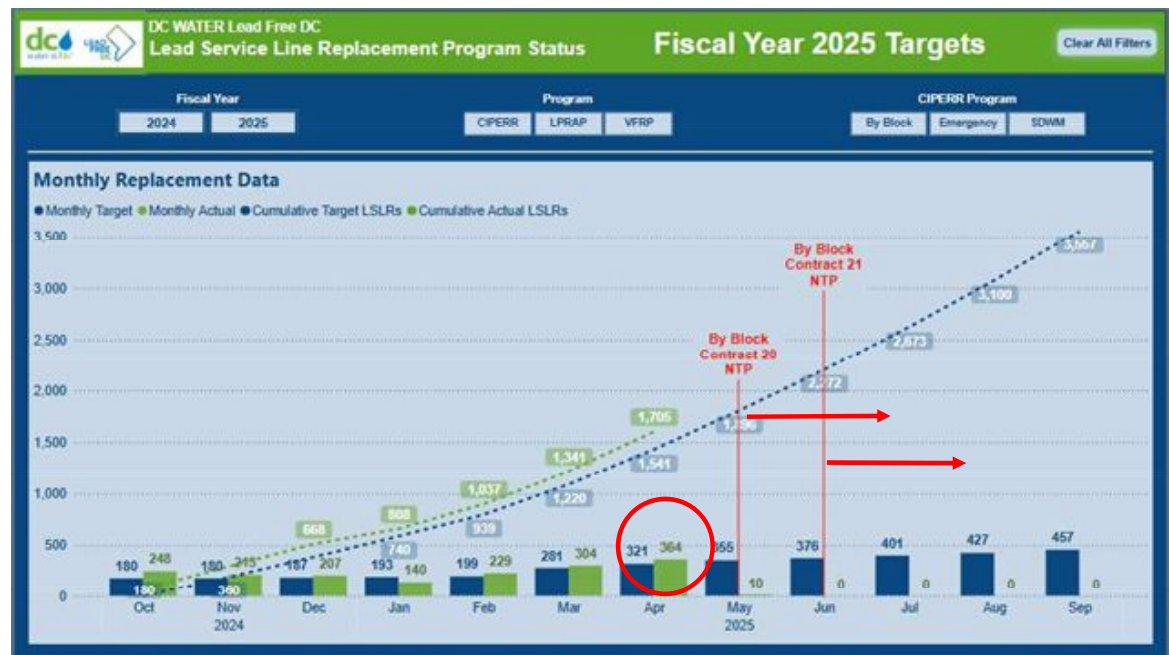




Lead Free DC Replacement Production



- Production rates recovered from the weather impacts in January
- March and April achieved the highest monthly replacement production rates since the launch of the program
- The Lead Pipe Replacement Assistance Program (LPRAP) resumed replacements in February with the use of available federal funding
- LFDC surpassed 8,000th program replacement in March
- Pave DC Collaboration \$400K savings to date





Lead Free DC Program Updates



- The LFDC Customer Outreach team logged over 50,000 touchpoints in the last quarter, including over 12,100 in-person engagements with residents
- Surpassed 6,000 right of entry agreements secured this fiscal year
- LFDC released two new public facing YouTube videos, **"How to sign up for a lead service line replacement"** and **"What to expect after construction"**
- LFDC gave a briefing on the current state of the program to the Mayor's Office of Community Relations and Services and Constituent Staff members
- The pilot study for alternate material identification methods was completed



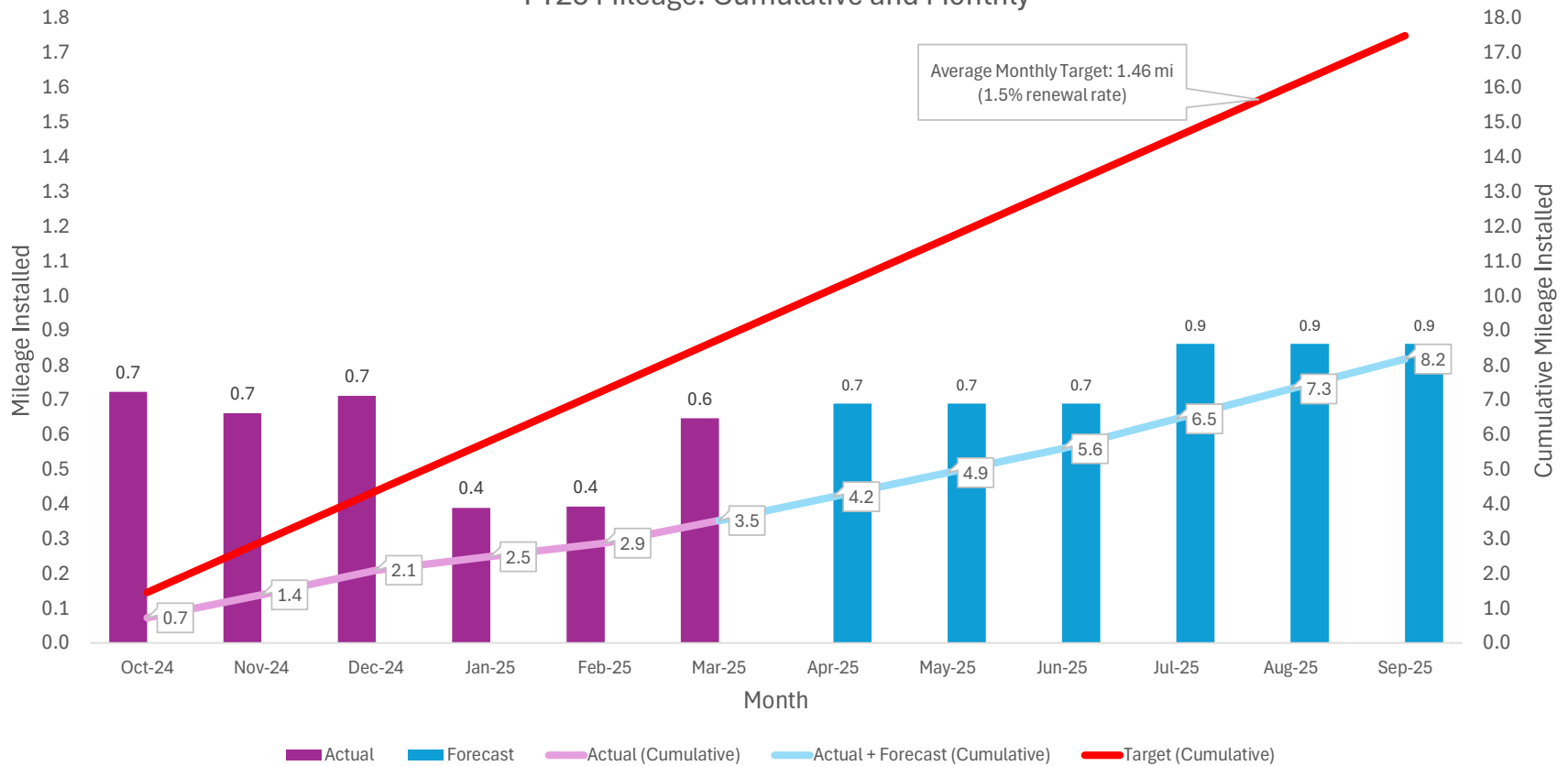


Small Diameter Water Main Update



SDWM Program FY25 Tracking

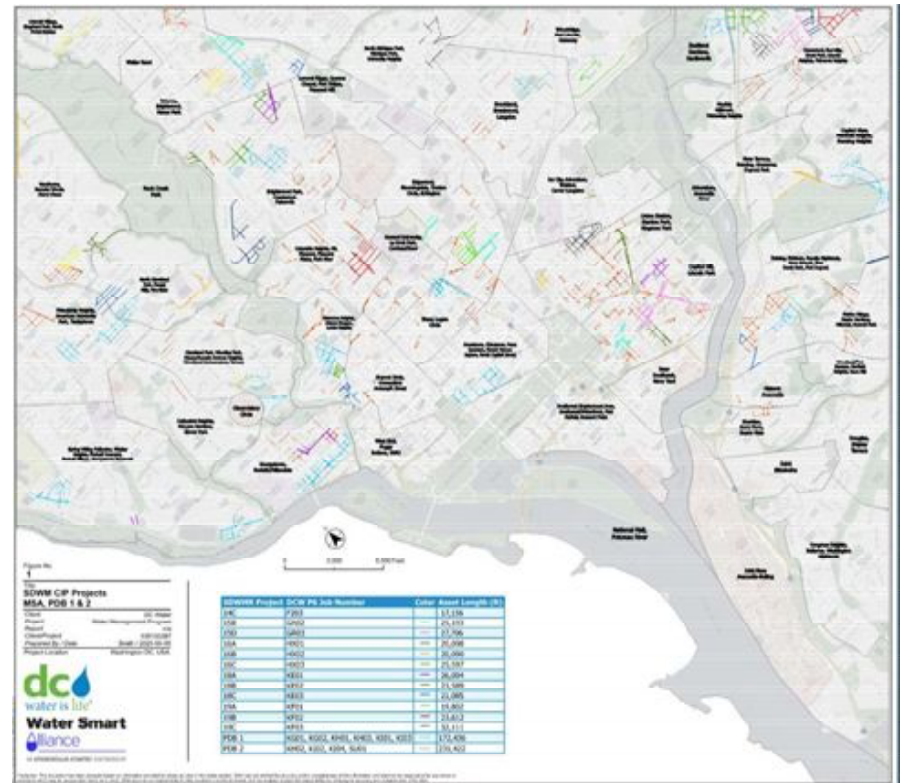
FY25 Mileage: Cumulative and Monthly





SDWM Program FY25 Production Updates

- January and February replacement were below the monthly target due to winter weather conditions.
- Two Master Service Agreement (MSA) task orders completed in March.
- One new MSA task order awarded in April. Construction expected to start in June/July due to material supply delay.
- Delay in procurement for the 4 upcoming MSA task orders will result in delayed construction start. Consequently, resulting in lower-than-expected replacement goal.
- 2 Progressive Design Build Contracts completed shortlisting and is on schedule. Request For Proposal issued to shortlisted proposers.





Service Line Material Identification Pilot Update

William Elledge, PE, Assoc. DBIA
Director Capital Water Program and Lead Free DC



Service Line Material Identification Without Excavation Pilot



- Service Line Identification Challenges:
 - Customer Impacts, effort, permitting, and cost
 - Incomplete Records
 - Some service lines can be over 70 years old – Records may not exist
 - Plumbing upgrades by property owners are not always reported
 - Access to Private Property
 - Variety in Service Line Configurations
 - Service line inventory identification methods vary in effort, impact, and cost
 - Test Pit, Records Review, Customer Supplied Data



Pilot easy-to-deploy, accurate, low-disruption technologies for DC Water at 43 homes.



Methods Considered	Advantages	Disadvantages	Deployed in Pilot
Swordfish , Electro Scan Inc.	<ul style="list-style-type: none"> Can inspect all sections of the SL Can detect where materials change Does not require entering the home 	<ul style="list-style-type: none"> May cause disturbance to interior lead scales Does not work with all piping configurations 	Yes
Service Line Material Testing (SMIT) , Engineering Design Technologies Inc.	<ul style="list-style-type: none"> Determines the majority material of the customer SL including the buried portion Not considered a disturbance 	<ul style="list-style-type: none"> Detects the majority material and may miss if there are multiple materials between the sensors Still in development phase 	Yes
PipeScreen , Muller	<ul style="list-style-type: none"> Determines the majority material of the customer SL including the buried portion Not considered a disturbance 	<ul style="list-style-type: none"> Requires going into the home for contact with pipe Detects the majority material and may miss if there are multiple materials between the sensors 	No. This product no longer exists in the market
GPR with Metal detection , US EPA-ORD	<ul style="list-style-type: none"> Can potentially verify buried pipe material on both the utility and customer sides Does not require entering the home 	<ul style="list-style-type: none"> May not work with DC's soil conditions or at depths of DC Water's service lines Still in development phase 	No. US EPA service contract expired before the Pilot
APEX , White River Technologies	<ul style="list-style-type: none"> Can potentially verify buried pipe material on both the utility and customer sides Does not require entering the home 	<ul style="list-style-type: none"> May not work with DC's soil conditions or at depths of DC Water's service lines Still in development phase 	No. On deployment with DOD at time of Pilot



Summary of Findings



- Swordfish and SMIT performed inadequately in identifying lead
 - Swordfish did not correctly identify any lead services
 - SMIT correctly identified 5 of 39 lead services (13%)
- Swordfish and SMIT performed better at predicting copper
- Due to low accuracy for lead identification DC Water will not be using these technologies moving forward



Next Steps



- Continue using test pits as the most reliable method for identifying SL materials
- Monitor development of emerging technologies for service line identification
- Further develop the machine learning model based on the test pit results until a high accuracy is achieved

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

ACTION REQUESTED

PROGRESSIVE DESIGN-BUILD CONTRACT:

Blue Plains Floodwall Segments A, B and D (Joint Use)

Approval to execute a Progressive Design-Build (PDB) contract for phase 1 preconstruction and early work packages not-to-exceed \$ 11,000,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS*: <u>PHASE 1A:</u>	PARTICIPATION: <u>PHASE 1A:</u>
Kokosing Industrial, Inc. 12001 Guilford Road Annapolis Junction, MD 20701	Mercado Consultants, Inc. Ashton, MD DBE	21.0%
<u>Headquarters</u> Westerville, OH 43081	Capitol Development Design, Inc. Beltsville, MD DBE	3.5%
	Soil and Land Use Technology, Inc. Glen Burnie DBE	3.5%
	Marine Solutions, Inc. Jessamine, KY WBE	1.7%
	Straughan Environmental, Inc. Columbia, MD WBE	2.3%

Phase 1A DBE Total = 28.5% and WBE Total = 4.0%

* Certified DBE/WBE Participation will be finalized as the Construction Phase planning is complete. The prime is committed to working with DC Water to meet (or exceed) the utilization goals for the Construction phase.

DESCRIPTION AND PURPOSE

Initial Contract Value, Not-To-Exceed:	\$ 11,000,000.00
Preconstruction Services Duration:	567 Days (1 Year, 7 Months)
Phase 1 Preconstruction Services Start Date:	06-16-2025
Anticipated Phase 2 Construction Services Duration:	513 Days (1 Year, 5 Months)
Anticipated Construction Services Start Date:	01-04-2027
Anticipated Construction Services Completion Date:	05-31-2028
Other design-builders submitting proposals/qualification statements:	
Allan Myers*	Kiewit Infrastructure Co.
Cianbro Corp.	Northeast Remsco Construction*
Flatiron Constructors, Inc.	Skanska USA Civil

* Asterisk indicates short listed firms.

Purpose of the Contract:

This is the last in a series of flood risk mitigation projects planned for the Blue Plains Advanced Wastewater Treatment Plant (AWTP). The completed floodwall system will provide the Blue Plains Plant with flood risk mitigation against the 500-year flood event plus freeboard. This project includes Segments A, B and D of the Blue Plains floodwall system.

Current Contract Scope:

- Phase 1A Preconstruction - field investigation and concept finalization.
- Phase 1B Preconstruction - detailed design, permitting, bidding and preparation of Guaranteed Maximum Price (GMP) proposal.
- Early Work Package to allow Contractor to proceed with purchase of long lead time materials including marine sheet pile and to enable early site preparation activities to meet schedule.
- Project features include:
 - Approximately 3,350 linear feet of perimeter floodwall for the protection of the Blue Plains AWTP.
 - Protection of Outfall 001, Gravity Thickener Facility, Final Dewatering Facility, and all underground DC Water and PEPCO utilities along the floodwall alignment.
 - Back-flooding protection at Outfall 002.
 - Underground seepage protection at floodwall crossings of buried utilities and roadways.

Future Contract Amendment Scope:

- Phase 2 GMP Amendment – construction services.

Federal Grant Status:

Progressive Design Build Contract is eligible for Federal grant funding assistance: inclusion in grant is pending availability of grant funds.

PROCUREMENT INFORMATION


Contract Type:	Fixed Price	Award Based On:	Best Value
Commodity:	Design and Construction	Contract Number:	230040
Contractor Market:	Open Market		

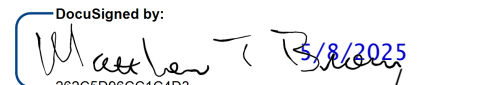
BUDGET INFORMATION


Funding:	Capital	Department:	Wastewater Engineering
Service Area:	Wastewater Treatment	Department Head:	Ryu Suzuki
Project:	JF		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	41.22%	\$ 4,534,200.00
Federal Funds	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	45.84%	\$ 5,042,400.00
Fairfax County	8.38%	\$ 921,800.00
Loudoun County & Potomac Interceptor	4.56%	\$ 501,600.00
Total Estimated Dollar Amount	100.00%	\$ 11,000,000.00

Signed by:

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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

DocuSigned by:

 40BDAE0B31F6420...
 Korey R. Gray / Date
 Vice President of Compliance
 and Chief Procurement Officer

 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

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

Approval to amend four existing Task Order Based Construction Agreements to the not-to-exceed program amount of \$160,000,000.00. This will supersede the previously requested individual agreement amount not-to-exceed \$40,000,000.00 for each of the four agreements, while maintaining the original agreement period of three years plus three renewal periods of one year each.

CONTRACTOR/SUB/VENDOR INFORMATION

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

*Four firms were pre-qualified to participate in the Miscellaneous Facilities Upgrade – Phase 8 (MFU-8) program.

** Each of the four firms demonstrated a history of successfully meeting established goals for DBE/WBE utilization. Additionally, the firms agreed to work with DC Water to actively engage the certified business community and meet/exceed the utilization goals established for each Task Order they are awarded.

DESCRIPTION AND PURPOSE

Original Program Value, Not -To-Exceed:	\$ 160,000,000.00
Value of this Amendment:	\$ 0.00
Current Program Value, including this Amendment:	\$ 160,000,000.00
Original Program Time	1,095 Days (3 Years)
No. of Option Years in Contract	3
Time extension, this Amendment:	0 Days
Total Amendment contract time extension	0 Days
Program Start Date (NTP):	04-05-2023
Program Completion Date:	04-05-2026

Primes	Original Contract Budget Limit	Current Committed Budget	Uncommitted Budget***
Allan Myers VA, Inc	\$ 40,000,000.00	\$ 22,095,037.00	\$ 17,904,963.00
American Contracting & Environmental Services, Inc.	\$ 40,000,000.00	\$ 32,414,332.00	\$ 7,585,668.00
Ulliman Schutte Construction	\$ 40,000,000.00	\$ 34,501,657.00	\$ 5,498,343.00
W.M. Schlosser Co. Inc.	\$ 40,000,000.00	\$ 4,375,000.00	\$ 35,625,000.00
Total	\$ 160,000,000.00	\$ 93,386,026.00	\$ 66,613,974.00

*** Remaining uncommitted budget will be used to issue Task Orders to primes based on their capacity and capability for the work required.

Purpose of the Program:

The Miscellaneous Facilities Upgrade Phase – 8 (MFU-8) program was solicited to qualify contractors to perform emergency and non-emergency repairs and upgrades to wastewater, sewer, and water facilities including, but not limited to, process equipment, piping systems, electrical, mechanical, instrumentation and controls. The above contractors will facilitate:

- Early engagement with sub-contractors and suppliers for materials planning, constructability reviews, and risk mitigation.
- Reduction of procurement time and effort through task order contracting mechanism.

Task Orders (TO) will be awarded based on competitive bidding or open book negotiation to ensure that DC Water is receiving the best value.

Original Contract Scope:

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

- Construction of a new storm water drainage pump station at Blue Plains.
- Sludge, Scum and Water Line Replacements at Blue Plains.
- Performing miscellaneous upgrades at Water, Stormwater and Sanitary Pumping Stations.
- Response to emergency and critical work and other specialized services.

Purpose of the Amendment:

This amendment removes the not-to-exceed limitation of \$40,000,000 stipulated in their respective contracts. The change will enable the authority to effectively utilize uncommitted budget to the most qualified MFU8 contractors instead of being constrained by the individual contract limitations.

Federal Grant Status:

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

PROCUREMENT INFORMATION

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

BUDGET INFORMATION

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

User	Share %	Dollar Amount
District of Columbia	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	0.00%	\$0.00
Fairfax County	0.00%	\$0.00
Loudoun Water & Others (PI)	0.00%	\$0.00
Total Estimated Dollar Amount	0.00%	\$0.00

Signed by:

 5/2/2025

Jeffrey F. Thompson
Chief Operating Officer and EVP

DocuSigned by:

 5/5/2025

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

DocuSigned by:

 5/2/2025

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

David L. Gadis
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:

Small Diameter Watermain Rehab. Contract 15D (Non-Joint Use)

Approval to execute Change Order No. 09 for \$370,976.00. The modification exceeds the Chief Executive Officer's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of DC, Inc. 2211 Channing Street, NE Washington, DC 20018	Omni Excavators Inc Washington, DC DBE	13.6%
	Amerigal Construction Glenn Dale, MD DBE	13.3%
	E&R Minority Supplier LLC Sterling, VA DBE	1.6%
	Acorn Supply & Distributing, Inc. White Marsh, MD WBE	6.5%

DBE Total = 28.5% and WBE Total = 6.5%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$21,544,813.00
Total of Previous Change Orders:	\$ 755,847.91
Current Contract Value:	\$22,300,660.91
Value of this Change Order:	\$ 370,976.00
Total Contract Value, including this CO:	\$22,671,636.91
Original Contract Time:	480 Days (1 Year, 4 Months)
Time extension, this CO:	0 Days
Total CO contract time extension:	484 Days (1 Year, 4 Months)
Contract Start Date (NTP):	11-23-2022
Anticipated Contract Completion Date:	07-14-2025
Cumulative CO % of Original Contract:	5.2%
Contract Completion %:	98%

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:

Replacement of approximately 25,706 LF of small diameter water main and 39,191 LF of both public and private water services.

Previous Change Order Scope:

To replace asphalt pavers on South Carolina Ave SE that were not included in the original contract.

Current Change Order Scope:

Additional milling and overlay at multiple locations beyond the contract bid quantities to complete final roadway restoration.

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	180040
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	Will Elledge
Project:	GR		

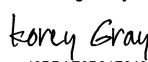
ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 370,976.00
Washington Suburban Sanitary Commission	0.00%	\$ 0.00
Fairfax County	0.00%	\$ 0.00
Loudoun County & Potomac Interceptor	0.00%	\$ 0.00
Total Estimated Dollar Amount	100.00%	\$ 370,976.00

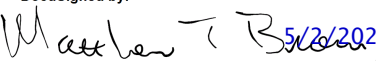
Signed by:

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 Jeffrey F. Thompson Date
 Chief Operating Officer and EVP

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 5/2/2025
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 Korey R. Gray Date
 Vice President of Compliance
 and Chief Procurement Officer

DocuSigned by:

 5/2/2025
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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

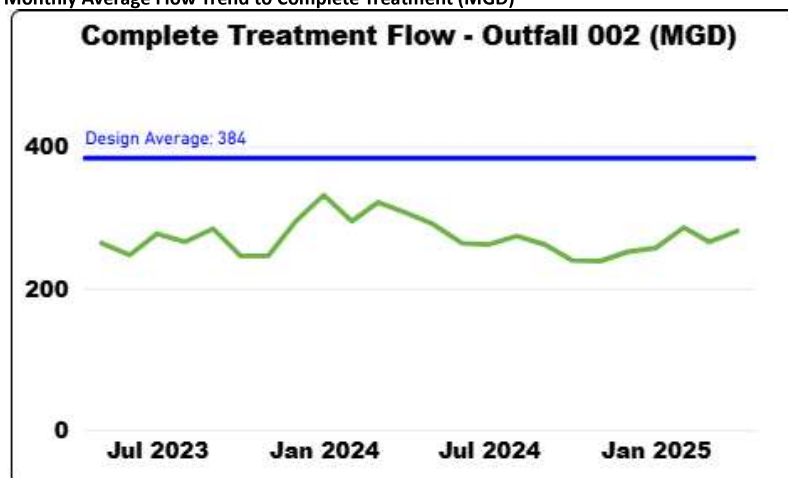


District of Columbia Water and Sewer Authority Board of Directors

Meeting of the Environmental Quality and Operations Committee – Executive Summary April 17, 2025 / 9:30am

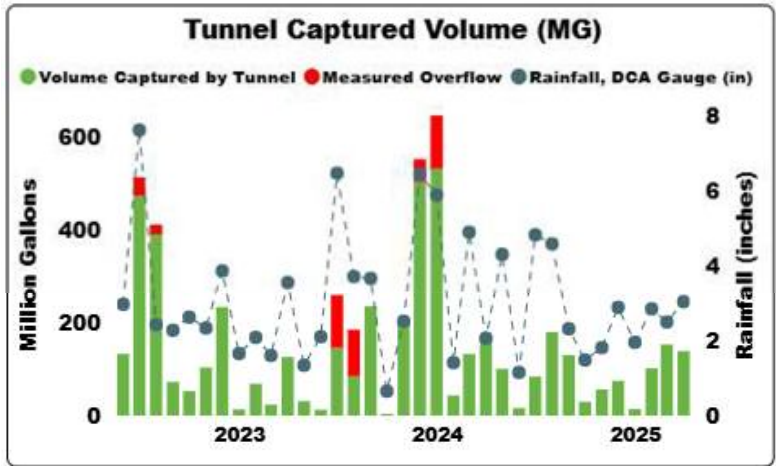
April 2025 Blue Plains Wastewater Treatment Plant Performance

Monthly Average Flow Trend to Complete Treatment (MGD)



- All weekly and monthly NPDES permit requirements were met
- Average Outfall 002 flow for April 2025: 281 MGD
- Peak Day flow for April 11th at 432 MGD

Anacostia River Tunnel System
Monthly Performance May 2022 – April 2025



* - 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.

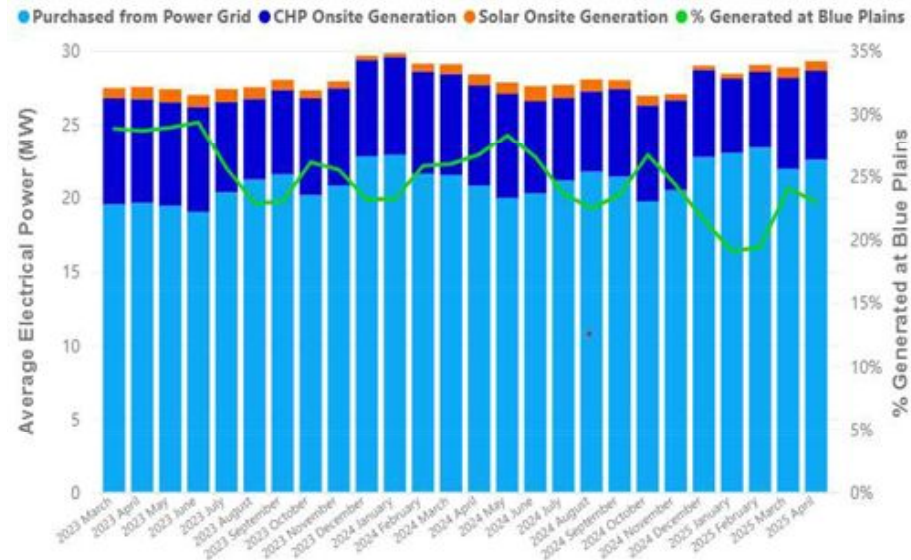
Total Annual System Performance
from Start-Up (2018-2024)

	Anacostia River Tunnel System
Number of events	350
Volume Captured, MG	17,775
Volume to CSO, MG	1,653
Percent Captured, %	91.5

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

- 1546 MG of volume captured by Anacostia River Tunnel System in Calendar Year 2024, with 115 MG overflow

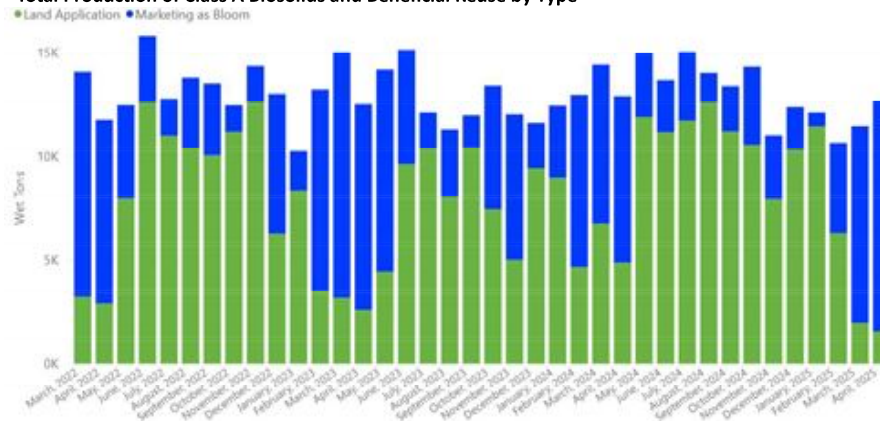
Blue Plains Electrical Energy Use and Generation



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

- 23% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 7.9 megawatts (MW), with 6.1 MW net to Blue Plains grid
- Solar System produced an additional 0.65 MW of power on average
- Total electricity consumption at Blue Plains averaged 29.3 MW
- DC Water purchased an average of 22.6 MW of electricity from PEPCO
- Total Purchased Power Savings FY2025 (thru Dec): \$2,033,600

Total Production of Class A Biosolids and Beneficial Reuse by Type



- In April, Blue Drop sold approximately 11,118 tons of Bloom; for a total of 34,514 tons towards the FY25 goal of 70,000 tons.
- Blue Plains Produced 12,711 tons of biosolids for the month with the remaining 1,593 tons managed through land application contracts.



District of Columbia Water and Sewer Authority Board of Directors

Meeting of the Environmental Quality and Operations Committee – Executive Summary May 15, 2025

May 2025 Quarterly CIP Report

Water Program Updates

1. Accomplishments

This section highlights the major accomplishments achieved during the quarter. It includes completed projects, milestones reached, and any other significant achievements.

- Program staff mobilized and on-site at Blue Plains Central Operating Facility office.
- Focused meetings with internal stakeholders to track the status of legacy projects and identify new capital project needs.
- Developed updated WBS code structure to better align with asset types and alternative delivery procurement packages.
- Commenced initial bundling/consolidation of projects to reduce number while increasing size of future solicitations.
- Conducted initial project review and prioritization exercise utilizing updated Triple Bottom Line (TBL) methodology.
- Identified proposed FY26 – 35 10-Yr CIP projects list focusing on projects that align DC Water's goal to address the most critical water infrastructure, improve service delivery, and enhance system resiliency.

2. CIP Project Updates

This section provides updates on ongoing Water Program CIP projects under procurement. It includes the status and expected award dates by fiscal year.

Project Name	Current Status	Expected /Actual Award Date	Estimated Budget / Award
Small Diameter Water Main 18B	Procurement Complete	Q3 2025	\$13.9M
Small Diameter Water Main 18C	TO Advertised	Q3 2025	\$18.7M
Valve and Hydrant Assessment Program	Procurement Complete	Q3 2025	\$3.5M

Project Name	Current Status	Expected /Actual Award Date	Estimated Budget / Award
Small Diameter Water Main 19A	Design Finalization	Q4 2025	\$17.7M
Small Diameter Water Main 19B	Design Finalization	Q1 2026	\$17.8M
Small Diameter Water Main 19C	Design Finalization	Q4 2025	\$23.9M
Water Pumping & Storage Facilities	RFQ Complete	Q2 2026	\$142.5M
Transmission Mains & Critical Valves	Upcoming RFQ	Q2 2026	\$125M
Small Diameter Water Main PDB 1&2	RFP Issued	Q1 2026	\$357.8M
Small Diameter Water Main PDB 3	RFQ Development	Q3 2026	\$210.7M
Small Diameter Water Main PDB 4	Planning	Q3 2027	\$157.9M

3. Quarterly Look ahead

This section outlines the plans for the next quarter. It includes upcoming projects, goals, and any anticipated challenges or opportunities.

- SDWM MSA TO Projects : Continued mobilization and ramp up of program PM/CM staffing resources to meet the needs of ongoing and upcoming SDWM MSA contracts
- SDWM PDB 1&2 Selection, RFP Response evaluation
- Continue development of PDB3 & 4 procurement materials
- Water Pumping & Storage Facilities, and Transmission Mains & Critical Valves PDBs: Continuation of procurement activities (RFQ, Shortlist, RFP)
- Ongoing Water Projects: Planning, selection and prioritization of upcoming CIP projects; Continuation of construction management and/or inspection services for ongoing construction projects
- Anticipated Valve and Hydrant Assessment program NTP



District of Columbia Water and Sewer Authority Board of Directors

Meeting of the Environmental Quality and Operations Committee – Executive Summary May 15, 2025

May 2025 Quarterly CIP Report

Sewer Program Management

1. Accomplishments

This section highlights the major accomplishments achieved during the quarter. It includes completed projects, milestones reached, and any other significant achievements.

- **Anacostia**
 - a. Prepared background documentation package
 - b. RFQ development and coordination with Procurement and Compliance
 - c. Outreach meeting held on 2/7/25
 - d. Solicitation issued on 4/22/25
 - e. Started Level 3 P6 scheduling effort
- **CMAR**
 - a. Finalized draft RFQ and coordination with Procurement and Compliance
 - b. Updated RACI matrix to be project specific
 - c. Procurement effort for the CMAR MSA Contract
 - d. Outreach event held on 1/28/25
 - e. Solicitation issued on 2/12/25
 - f. Pre-bid meeting held on 2/26/25
 - g. SOQ reference checks
 - h. SOQ Evaluation of eight CMAR Contractors completed on 4/29/25
 - i. Started Level 3 P6 scheduling effort
 - j. Began work package development
- **CIP Management/Planning**
 - a. Develop an “all-in” 10-year CIP (FY26-FY35).
 - b. Oversee the delivery of the approved CIP.
 - c. As part of the transition to alternative delivery, update the work breakdown structure in Primavera P6 and update the schedule and budgets of the proposed FY26-FY35 CIP.

2. CIP Project Updates

This section provides updates on select ongoing CIP projects exclusive of new collaborative delivery contracts currently in procurement. It includes the current status, progress made, challenges faced and expected completion dates.

Project Name	Status	Progress	Completion Date	Contract Amount
Piney Branch Sewershed Rehab Phase 1	Ongoing Construction	85%	Q4 2025	\$16M
Potomac Force Main Rehabilitation	Ongoing Design	5%	Q4 2028	\$2M
Creekbed Sewer Rehabilitation Soapstone Valley	Ongoing Construction	80%	Q4 2027	\$11M
Major Sewer Rehab 1-5 Northeast Boundary	Ongoing Construction	70%	Q4 2025	\$12M
Service Life Restoration 2	Ongoing Construction	15%	Q4 2026	\$34M

3. Quarterly Look ahead

This section outlines the plans for the next quarter. It includes upcoming projects, goals, and any anticipated challenges or opportunities.

Fiscal Year 2025 Goals

- **Inspections and Condition Assessment**
 - a. Inspect 40 miles of local sewers.
 - b. Inspect 12 miles of major sewers:
 - i. Ongoing inspections of named major sewers include: Rock Creek Main Interceptor (RCMI), Rock Creek Main Interceptor Relief Sewer (RCMIRS), Upper Potomac Interceptor (UPI), Slash Run, Tiber Creek Trunk Sewer (TCTS), East Rock Creek Diversion Sewers (ERCDS), and Piney Branch Trunk Sewer System (PBTSS).
 - ii. Inspect previously uninspected very large sewers (20 miles).
 - c. Conduct annual creek bed inspections.
 - d. Prepare package to procure inspection contractors to assess the condition of water and sewer mains.

- e. Implement the roadmap developed as part of the Rethinking the Pipe Condition Assessment (PCA) effort.
- **Asset Management and Risk Modeling**
 - a. Oversee and maintain the sewer risk model, maintaining consequence of failure (COF) algorithms and updating likelihood of failure (LOF) scores based on condition assessment results. Modify other scoring and prioritization methodology as needed to maintain alignment with DC Water's strategic direction.
 - b. Conduct annual InfoAsset Planner model update and run to support FY26 project prioritization.
 - c. Migrate the risk model from InfoAsset Planner to Aquanuity AquaTwin Asset.
 - d. Interface with DC Water GIS, engineering, and operations to refine asset data, populating missing data fields and adjusting to as-built or field conditions where necessary.
 - e. Support the Cityworks implementation.
- **Hydraulic Modeling and RTCs**
 - a. Oversee and maintain the DC Water collection system hydraulic model.
 - b. Assist with migration of the hydraulic model from ICM to Aquanuity AquaTwin Sewer. Maintain the ICM model while beta testing AquaTwin.
 - c. Maintain a model change tracking log, identifying temporary and permanent asset condition and operational changes reflecting system hydraulics.
 - d. Oversee metering program results, comparing flow data with modeled conditions.
 - e. Identify discrepancies between model results and real-time conditions; develop and conduct validations and calibrations as needed and at the direction of DC Water.
- **Provide support to Engineering as needed, including but not limited to:**
 - a. Review of Benning Road DDOT project coordination for impacted water/sewer assets.
 - b. Provide on-call engineering and program support for pump stations and major structures as approved by DC Water.
- **Provide support to the Department of Pumping and Sewer Operations (DPSO) to maintain a reliable and resilient sewer system, including but not limited to:**
 - a. Coordinate operations activities with engineering team.
 - b. Support IRRR team to develop/update current process for repairs and coordination.
 - c. Development of Standard Operating Procedures (SOP).
 - d. Development of Sewer Emergency Containment Plans (SECP).
 - e. Infiltration and Inflow reduction studies.



District of Columbia Water and Sewer Authority Board of Directors

Meeting of the Environmental Quality and Operations Committee – Executive Summary May 15, 2025

May 2025 Quarterly CIP Report

Process Facilities Program

1. Accomplishments

This section highlights the major accomplishments achieved during the quarter. It includes completed projects, milestones reached, and any other significant achievements.

- Mobilized dedicated program staff to onsite office space at the Blue Plains AWTP
- Supported the development of Agreement and General Conditions templates for DC Water CMAR and PDB contracts
- Completed procurement selection for Headworks and Primary Upgrades Portfolio CMAR Contract (\$200M)
- Completed contract negotiations for Filtration and Disinfection Upgrades Portfolio CMAR Contract (\$200M)
- Completed contract negotiations for Floodwall Segments ABD PDB Contract (\$30M)

2. CIP Project Updates

This section provides updates on select ongoing CIP projects exclusive of new collaborative delivery contracts currently in procurement. It includes the status, progress made, challenges faced and expected completion dates.

Project Name	Status	Progress	Completion Date	Contract Amount
Headworks Influent Structures	Ongoing Construction	12%	Q1 2028	\$29M
Effluent Filter Upgrade – MFU 8	Ongoing Construction	99%	Q1 2026	\$7M
Biosolids Blending Center	Ongoing Construction	30%	Q4 2026	\$10.7M

Project Name	Status	Progress	Completion Date	Contract Amount
– (Curing Pad & Solar PV)				
Primary Treatment 20-Year Upgrades	Ongoing Design	2%	Q4 2030	\$8.9M
PdNA Pilot Project	Ongoing Construction	24%	Q4 2026	\$5.4M
Stormwater Pump Stations Rehabilitation – 1 st and D	Ongoing Construction	71%	Q4 2025	\$3.8M

3. Quarterly Look ahead

This section outlines the plans for the next quarter. It includes upcoming projects, goals, and any anticipated challenges or opportunities.

- Continued mobilization and ramp up of program PM/CM staffing resources to meet the needs of new CMAR and PDB contracts
- Mobilize CM resources for On-Demand construction projects for vertical pump station facilities upgrades
- Development of Annual CIP Budget Updates for FY26 – FY35
- Validate capital projects, contract packaging and procurement plan for first Collaborative Facilities Upgrades (CFU) PDB contracts. Planning Summer 2025 Contractor Outreach and Fall 2025 advertisement
- Continuing On-Demand Operations support to DWT and DPSO through delivery of engineering Basic Ordering Agreements (BOAs) and Miscellaneous Facilities Upgrades (MFU) Task Order contracts
- Issue NTP for Phase 1 Preconstruction services for Filtration and Disinfection Upgrades Portfolio CMAR Contract
- Complete contractor negotiations and issue NTP for Phase 1 Preconstruction services for Headworks and Primary Upgrades Portfolio CMAR Contract
- Issue NTP for Phase 1 Preconstruction services and Early Works package for Floodwall Segments A, B, D PDB Contract
- Continue to guide development of Collaborative Delivery guidelines in coordination with other capital program teams



District of Columbia Water and Sewer Authority Board of Directors

Meeting of the Environmental Quality and Operations Committee – Executive Summary May 15, 2025

Month Year Quarterly CIP Report

Non-Process Facilities Program

1. Accomplishments

This section highlights the major accomplishments achieved during the quarter. It includes completed projects, milestones reached, and any other significant achievements.

- Bidding package prep in progress for 14 HVAC system Replacements (Projected Cost \$4.5M)
- Completed the Roof Assessments for 84 roofs in Blue Plains campus.
- Completed the Concept design and cost estimate for Bryant Street meter building and distribution shop.
- Submitted the COF Building Life Safety Assessment report.
- NPFPM supported the Canal St Fencing Project through substantial completion in March 2025.
- Submission of the WELL Health & Safety Ratings certification application for 4 buildings, in March 2025.
- Intermediate design submission of the Yard Park Gate in February 2025.
- Pre-Final design submission of the HQ Terrace Improvements in February 2025.
- Achieved 95% design completion of the Old Anacostia Field Ops Project in March 2025

2. Project Updates

Project Name	Status	Progress	Completion Date	Budget
DS00 New Headquarters building	Ongoing	98.65%	Q2 2026	\$76,892,998.00
HE01 BSPS Meter Building	Ongoing	5.31%	Q4 2026	\$40,574,651.55
HK02 Supply Building	Ongoing	4.09%	Q4 2027	\$12,907,008.55
RV01 Non-Process HVAC	Ongoing	17.37%	Q2 2029	\$7,450,000.00
RV02 Non-Process Roofing	Ongoing	7.22%	Q2 2029	\$9,338,035.00
SA01 Anacostia Pump Station	Ongoing	6.63%	Q3 2028	\$5,634,490.88

SB01 Bryant Street Parking Mod	Ongoing	10.00%	Q3 2028	\$4,791,553.37
SD01 Main Pump Station Mod	Ongoing	1.52%	Q1 2028	\$13,000,000.00
JB03 BSPS & Metershop upgrades	Ongoing	7.21%	Q3 2027	\$11,327,367.39

3. Quarterly Look ahead

The Team is working on the procurement Phase of following projects:

1. SD01 Main Pump Station Mod
2. RV01 HVAC Replacements
3. JB03 BSPS & Meter shop upgrades
4. HE01 BSPS Meter Building

The Team will work on Feasibility/Concept design for the following project:

1. SH01 Operations Training Facility.

The Team will work on Out of box thinking-Solution/Feasibility for the following project:

1. SG01 Sewer Services Office and Garage expansion.
2. HE03 Bryant Street Warehouse.