



DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
Board of Directors

Meeting of the
Environmental Quality and Operations Committee

Thursday, June 15, 2023
9:30 a.m.

Microsoft Teams meeting

Join on your computer, mobile app

[Click here to join the meeting](#)

Meeting ID: 253 852 644 717

Passcode: RtimME

Or call in (audio only)

[+1 202-753-6714,,578973231#](#)

Phone Conference ID: 578 973 231#

9:30 a.m.	I	Call to Order	Sarah Motsch Chair
	II	Roll Call	Michelle Rhodd Board Secretary
9:35 a.m.	III	BPAWTP Performance Update	Nicholas Passarelli
9:45 a.m.	IV	Lead Free DC Update	Will Elledge
10:05 a.m.	V	Clean Rivers Project Status Update	Moussa Wone Jeff Peterson
10:25 a.m.	VI	Action Items	Joel Grosser Dave Parker

Joint Use

1. Contract No. 10080 – PVS Technologies – Ferric Chloride
2. Contract No. 10272 – M.C. Dean Inc– High Voltage Annual Maintenance and Repair of Electrical Equipment
3. Contract No. 10147 – M.C. Dean Inc. – Annual Maintenance and Repair of (Low Voltage) Electrical Power Distribution Equipment
4. Contract No. N/A – Multiple Contracts – For Temporary Staffing Services
5. Agreement No. DCFA #483-WSA – HDR Engineering, Inc – Grit, Screenings and Primary Facilities Upgrade
6. Contract No. 10212 Global Com – Network Infrastructure Extension (NIE) System

10:45 a.m. **VII** **Other Business/Emerging Issues**

10:50 a.m. VIII Executive Session*

11:00 a.m. IX Adjournment

Sarah Motsch

Follow-up Items from Prior Meetings:

1. Getachew Melsew (Sr. Manager, Planning, Engineering): To provide copy of white paper on the equity analysis benefits and either a presentation to the full Board or the opportunity for Board Members to observe a training session on the equity analysis tool and dashboard. **Due September 2023**

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.



BPAWTP UPDATE



Blue Plains Complete Treatment Performance
Environmental Quality & Operations Committee
June 15, 2023



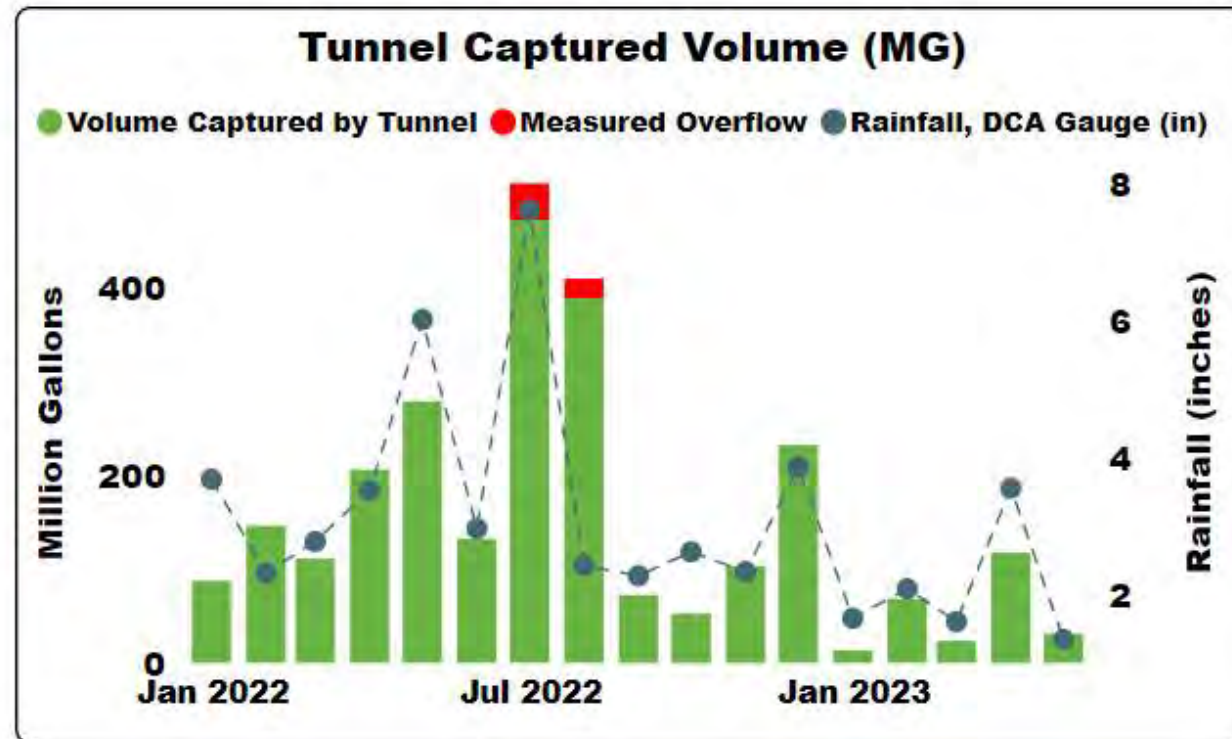
Nicholas Passarelli, VP, Wastewater Treatment Operations



Operational Performance Tunnel Systems and Wet Weather Treatment

Anacostia River Tunnel System Annual Performance 2021 – 2023 (Through May 2023)

Total System Annual Performance 2018-2022



	Anacostia River Tunnel System	Total System
Number of events	61	398
Volume Captured, MG	14,786	18,177
Volume to CSO, MG	1,342	6,943
Percent Captured, %	91.7	72.4

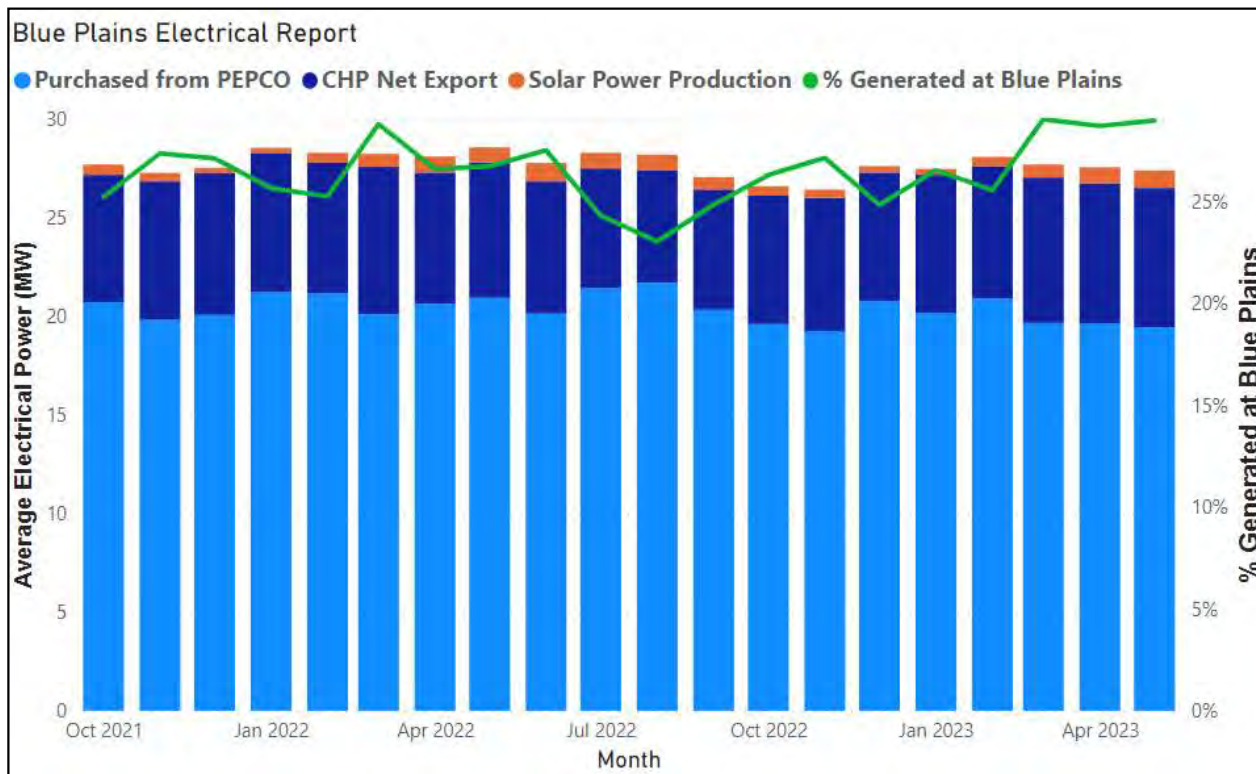
Note: Total System includes Anacostia, Potomac, and Rock Creek
 MG ~ Million Gallons
 CSO~ Combined Sewer Overflow

- 253 MG of volume captured by Anacostia Tunnel in Calendar Year 2023 through May with no measured overflow



Operational Performance Electrical Energy Use and Generation

Blue Plains Electrical Energy Use and Generation



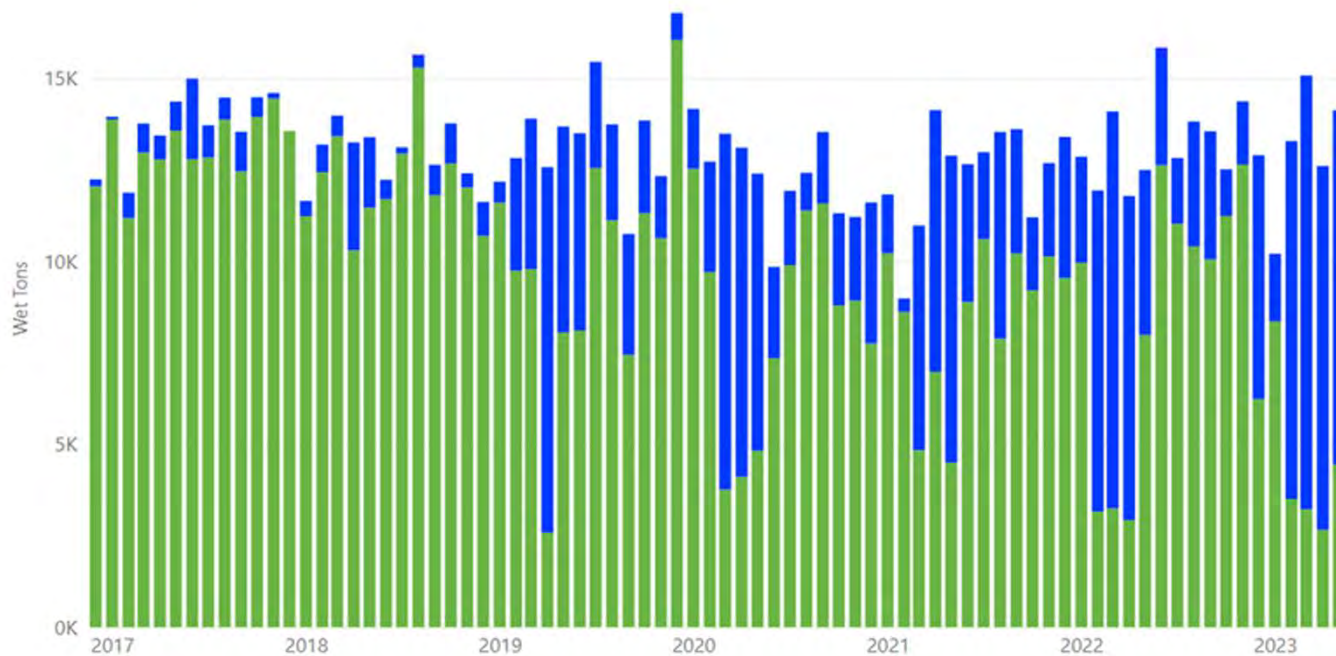
- 29% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 8.6 megawatts (MW), with 7.1 MW net to Blue Plains grid
- Solar System produced an additional 0.9 MW of power on average
- Total electricity consumption at Blue Plains averaged 27.4 MW
- DC Water purchased an average of 19.5 MW of electricity from PEPCO



Biosolids Production and Bloom Marketing

Total Production of Class A Biosolids and Beneficial Reuse by Type

● Land Application ● Marketing as Bloom



- In May, biosolids hauling averaged 455 wet tons per day (wtpd), or a total of 14,124 tons for the month.
- In May Blue Drop sold 9,684 wet tons of Bloom (against the goal of 3,826 tons) or 250% above target for the month. The remaining 4,440 wet tons not sold into the market were land applied through contracts. The FY23 cumulative sales are 52,838 tons against a goal of 46,037 tons through May, or 115% of the goal.
- May represents a third consecutive record month for Bloom sales.



Lead Free DC Update



Lead Free DC Update
Environmental Quality & Operations Committee
June 15, 2023

Imagine a city without lead



William Elledge
Director, DCW Engineering & Technical Services

- Inventory update
- Public messaging
- New cost estimate
- Permitting update
- Upcoming Milestones





Inventory update from 2021 to 2023

Analysis of DC Water's June 2021 Material Inventory							
June 2021 Review				May 2023 Review			
Material Type	Count	% Replace	Replacements	Material Type	Count	% Replace	Replacements
Lead	21,000	100%	21,000	Verified Lead	9,000	100%	9,000
				Suspected Lead	12,000	100%	12,000
Unknown	13,950	50%	6,975	No Information	13,950	50%	6,975
Non Lead	93,234	0%	0	Suspected Non-Lead	65,911	20%	13,182
				Verified Non-Lead	28,736	0%	-
Total	128,184		27,975	Total	129,597		41,157

Notes:

Verified means DC Water has a database record and backup documentation

Suspected means DC Water has a database record, but no backup documentation



How have we refined the inventory

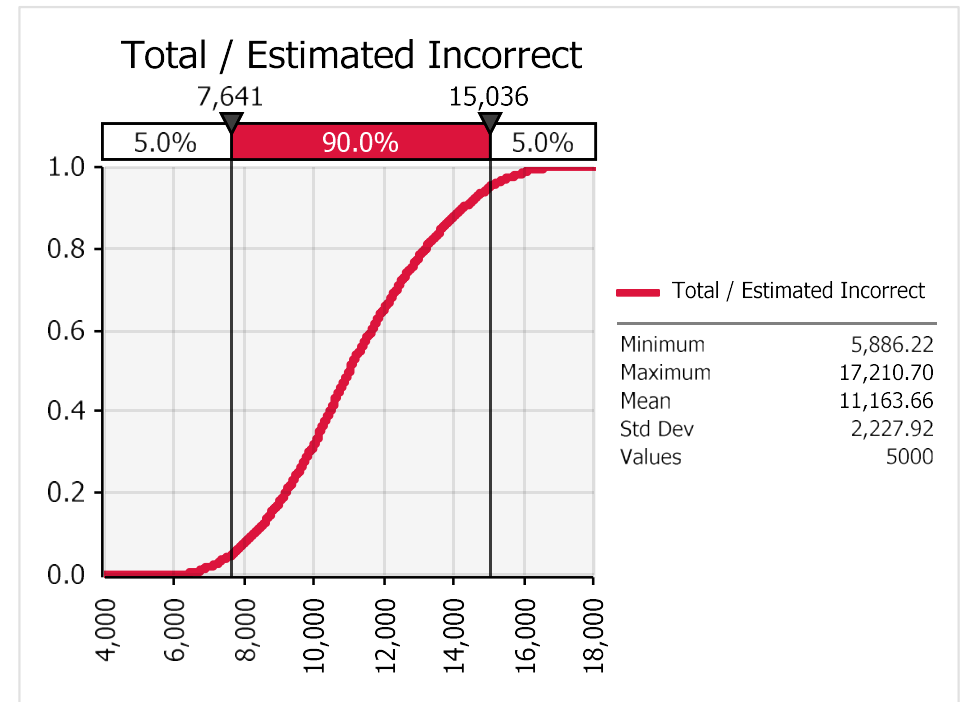
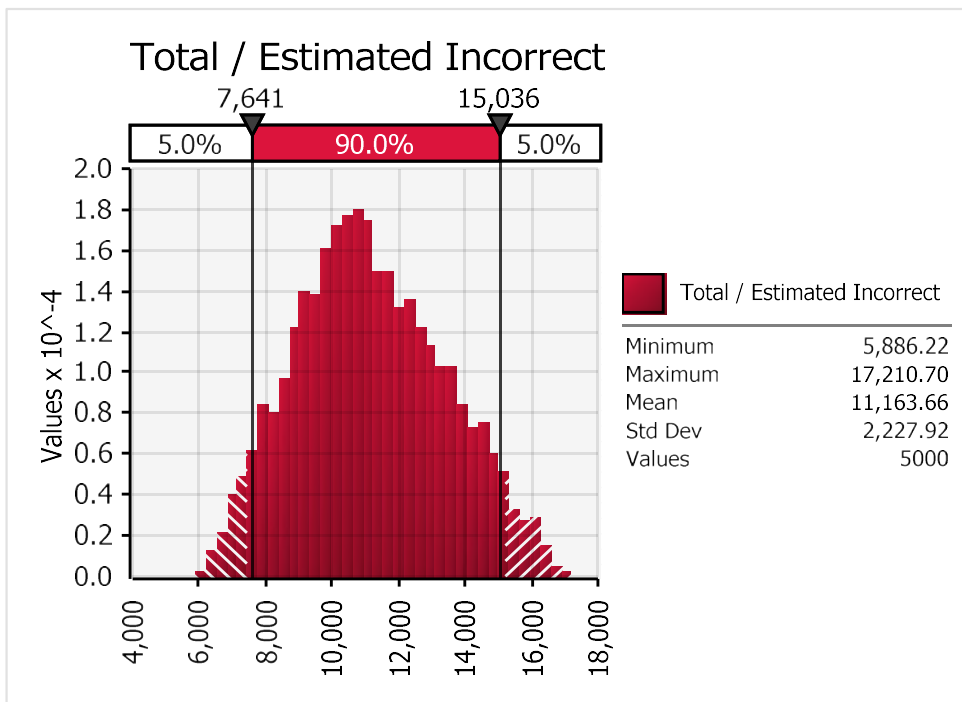
- Test Pits
- Ongoing replacements under LFDC
- Ongoing replacements under SDWM
- Evaluate original data sources (Monte Carlo)
- Confirm existence of backup documentation





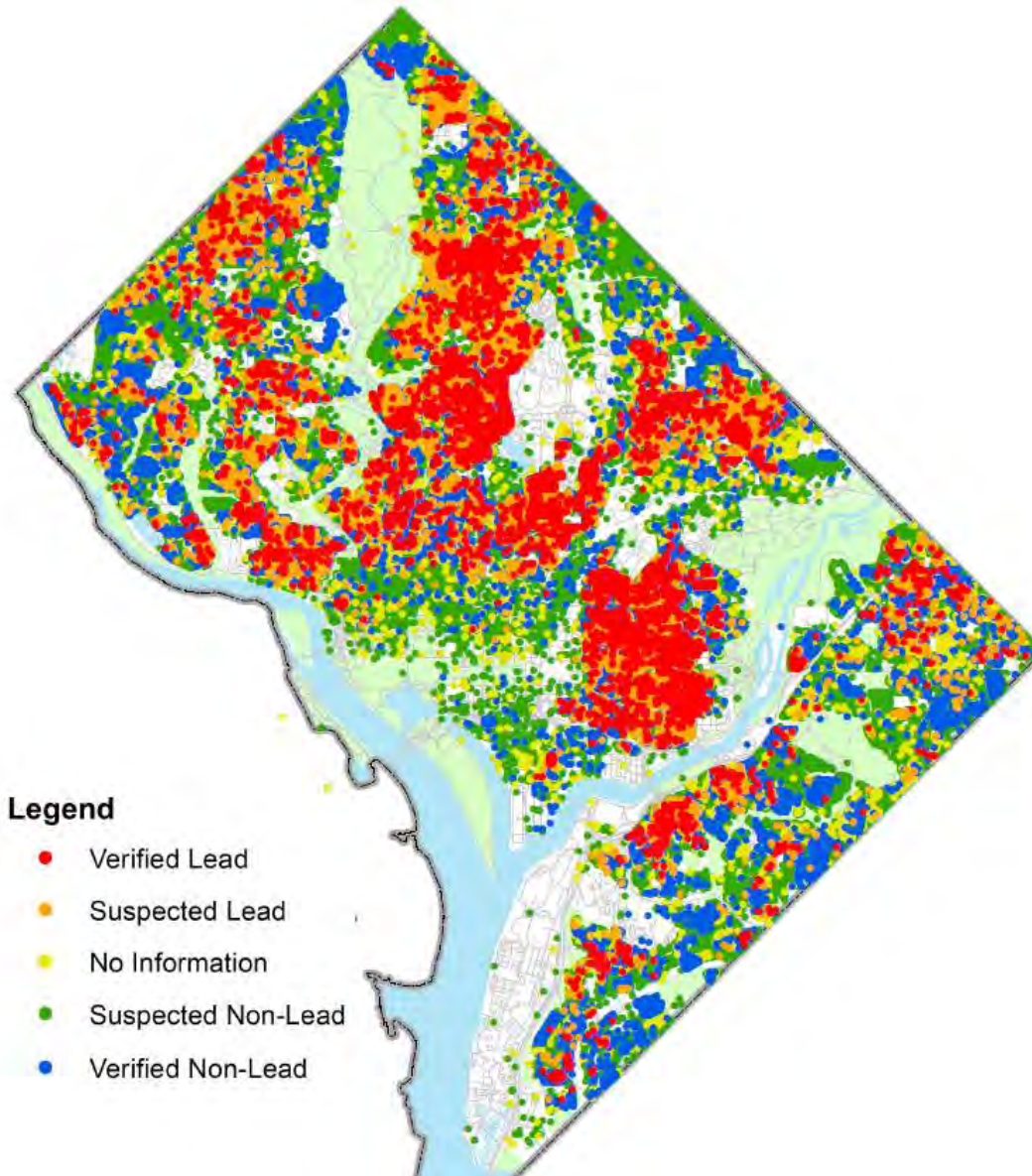
How have we refined the inventory

Monte Carlo Analysis





Updated Map



Legend

- Verified Lead
- Suspected Lead
- No Information
- Suspected Non-Lead
- Verified Non-Lead



Messaging

Tactic	Purpose	Date	Audience	Distribution Method
June 2023 LFDC Plan Report	Report on progress since 2021; Summarize key program changes/updates	June 30, 2023	Public	LFDC Website
Press Briefing*	Introduce 2023 plan report, new Lead Inventory Map and Construction Dashboard	Tentative: June 30, 2023*	Invited Media	In Person Event
Press Release*	Circulated to media who didn't attend press briefing	Tentative: June 30, 2023*	Select Media	Press Release
LFDC Webinar*	Introduce and provide tutorials for: <ul style="list-style-type: none">• Construction Dashboard• Lead Inventory Map	Tentative: July 21, 2023*	Community Based Organizations, ANCs	Live Webinar, Recording available on LFDC Website

- Estimated ~~27,975~~ 41,157 lead service lines
- ~~28~~ 29 miles of small diameter water main in addition to the water main replacement program



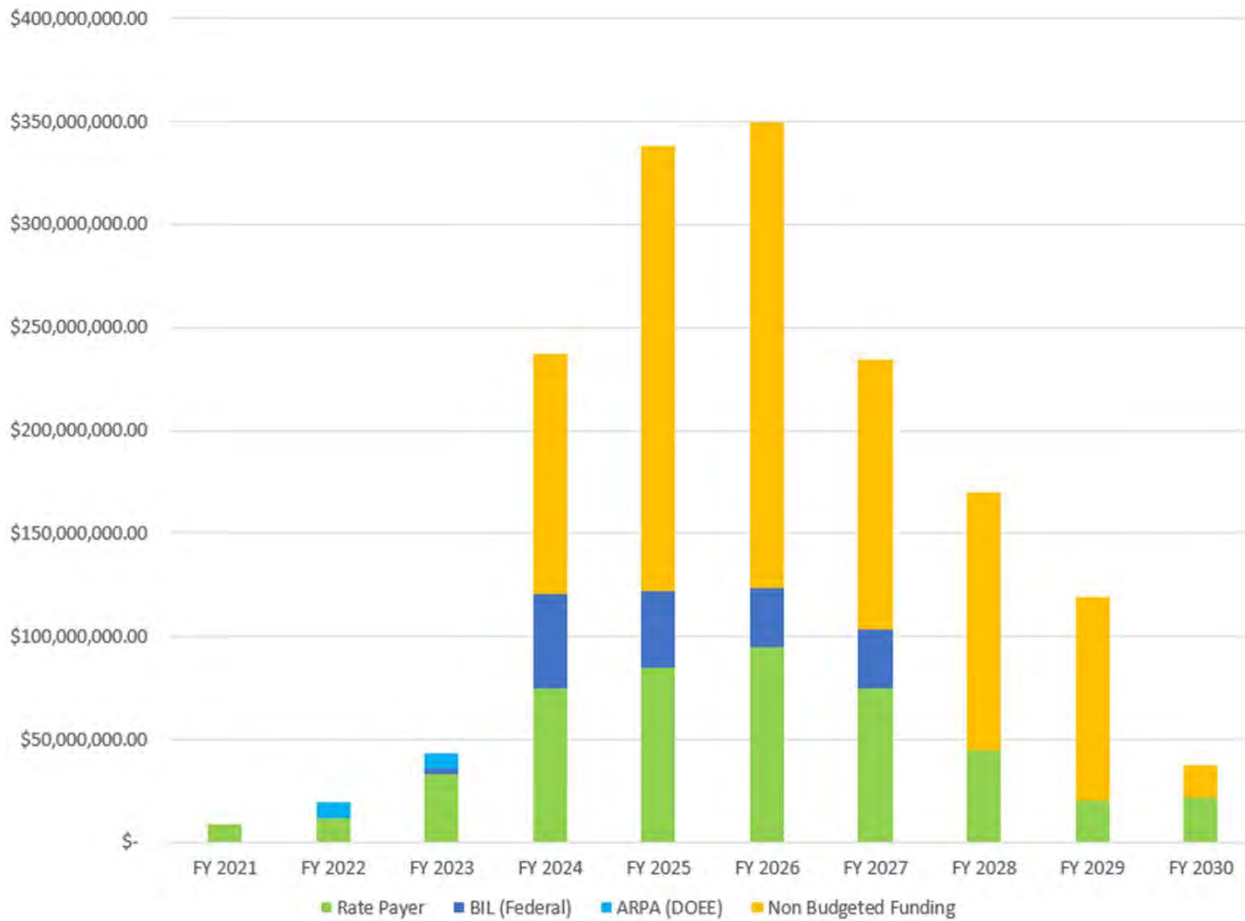
New Cost Estimate

Lead Free DC Program Cost - w/ Contingency, 5% Inflation

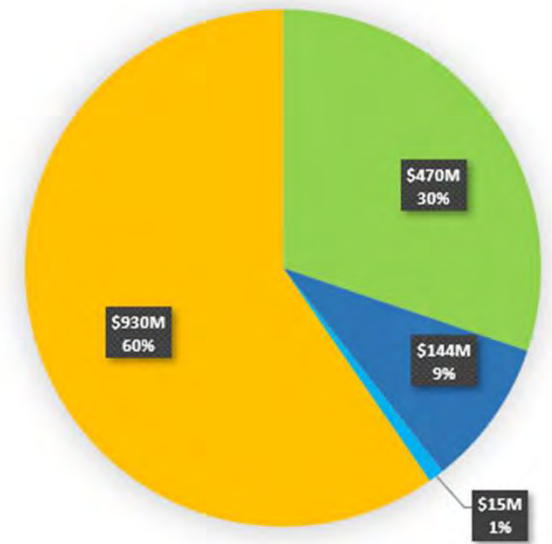
Fiscal Year	Construction	Program Management	Filters	20% Contingency on Construction	Annual Cost
FY2021	\$ 8,728,322	\$ -	\$ -	\$ -	\$ 8,728,322
FY2022	\$ 19,329,875	\$ 137,558	\$ -	\$ -	\$ 19,467,434
FY2023	\$ 23,881,616	\$ 10,000,000	\$ 9,517,912.00	\$ -	\$ 43,399,528
FY2024	\$ 178,865,760	\$ 12,917,991	\$ 9,625,004.93	\$ 35,773,152	\$ 237,181,908
FY2025	\$ 257,930,924	\$ 20,010,222	\$ 8,460,545.67	\$ 51,586,185	\$ 337,987,876
FY2026	\$ 267,589,467	\$ 21,529,986	\$ 7,027,848.66	\$ 53,517,893	\$ 349,665,195
FY2027	\$ 177,671,704	\$ 16,210,813	\$ 5,029,341.26	\$ 35,534,341	\$ 234,446,198
FY2028	\$ 130,241,558	\$ 11,144,934	\$ 2,820,454.58	\$ 26,048,312	\$ 170,255,258
FY2029	\$ 90,637,493	\$ 9,245,229	\$ 942,228.23	\$ 18,127,499	\$ 118,952,449
FY2030	\$ 30,212,498	\$ 1,251,272	\$ 314,076.08	\$ 6,042,500	\$ 37,820,345
Total	\$ 1,185,089,216	\$ 102,448,005	\$ 43,737,411	\$ 226,629,881	\$ 1,557,904,513



Funding Source



LFDC Funding Sources



- Rate Payer
- BIL (Federal)
- ARPA (DOEE)
- Non Budgeted Funding

- 5% inflation
- 20% contingency
- 40% of construction cost for public space restoration
- Pre-replacement pitcher filter program added (\$42M)
- Replacement of brass remains excluded



Permitting – DC Water Request

- DDOT execute MOU
- Block closures
 - 300 block in a month
 - 100 blocks on same day
- Blanket permits
- 3rd party review of permits and 3rd party inspection
 - Manage through IPMD
 - Eliminate bottleneck
 - Use small team model
 - Commit to faster review times
 - Allow block faces instead of house numbers
 - Use published standards
- 3rd Party Review paid by DCW





Permitting – DDOT Benefits

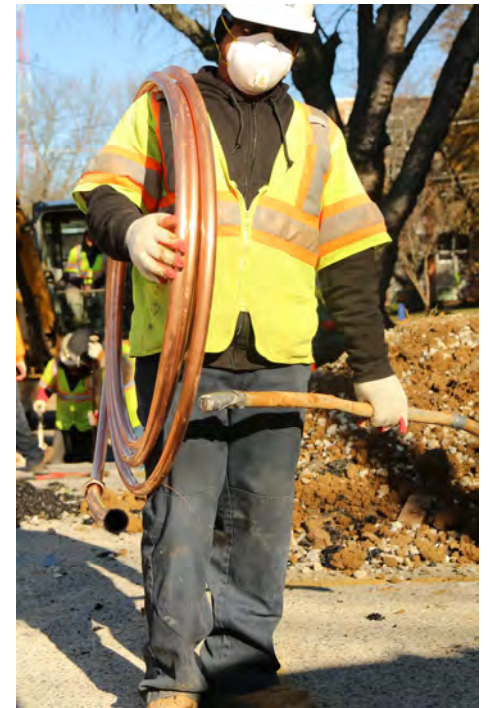
- Reduced Duration of Construction
- Supports Vision Zero
- Saves time and money
- Reduces complaints
- Supports Operation Smooth Streets
- Required to achieve LFDC by 2030





Upcoming Milestones

- June 30: New map goes live
- June 30: New Annual Plan published
- July 6: Tentative DC Council Hearing
- July 20: EQ&Ops Regular Quarterly Update
 - Outreach Efforts
 - Procurement
 - Legislation
 - Residents
 - Design
 - Construction
- 2030 National Headlines: Washington, DC has zero lead water services





Clean Rivers Project Status Update



DC Cleans Rivers Project Quarterly Update
Environmental Quality & Operations
Committee
June 15, 2023



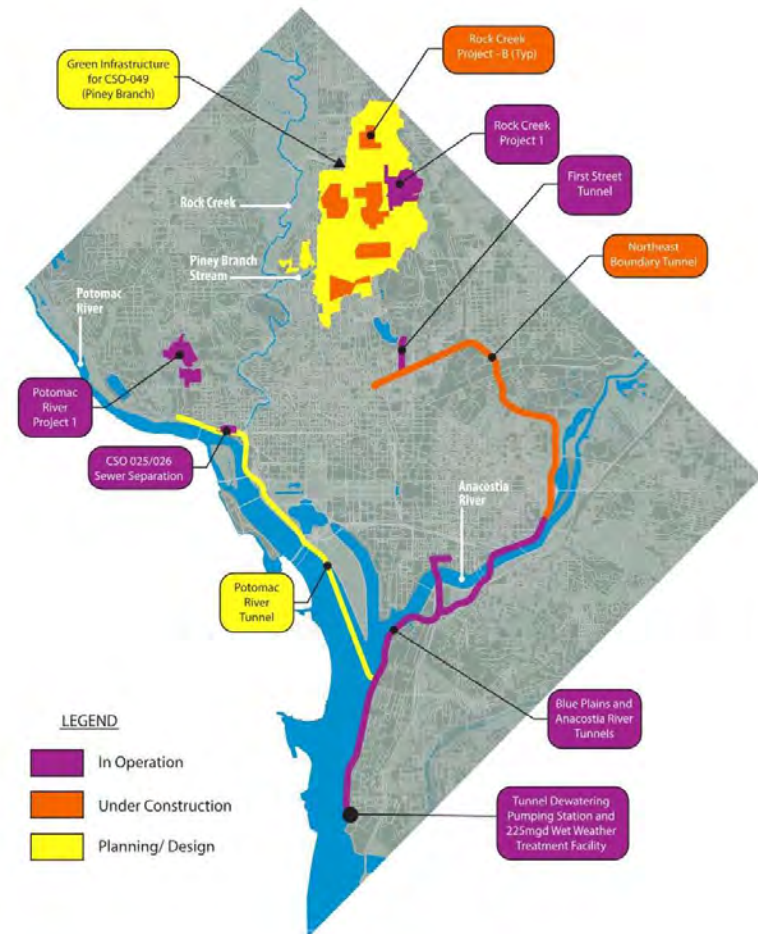
Moussa Wone, Vice President, DC Clean Rivers Project
Jeff Peterson, Sr. Manager, Construction, DC Clean Rivers Project



DC Clean Rivers Project Snapshot



Area	Status
Anacostia	
Anacostia Tunnel System	<ul style="list-style-type: none"> • More than 15 billion gallons captured • More than 9,545 tons of trash/debris removed
Northeast Boundary Tunnel	<ul style="list-style-type: none"> • Preparatory work for commissioning underway
Potomac	
CSO 025/026 Separation	<ul style="list-style-type: none"> • Completed
Potomac Tunnel Advance Utility Construction	<ul style="list-style-type: none"> • Project has achieved Substantial Completion • Remaining work at CSO 024 to accommodate for PEPCO relocation for Potomac Tunnel
Potomac Tunnel Construction	<ul style="list-style-type: none"> • Technical and cost proposals received • Technical proposals being evaluated
Rock Creek	
Green Infrastructure (GI) Project B	<ul style="list-style-type: none"> • Five Alley Permeable Pavement (APP) and two Planter Bioretention (PBR) facilities are under construction • Four APPs remain to be constructed

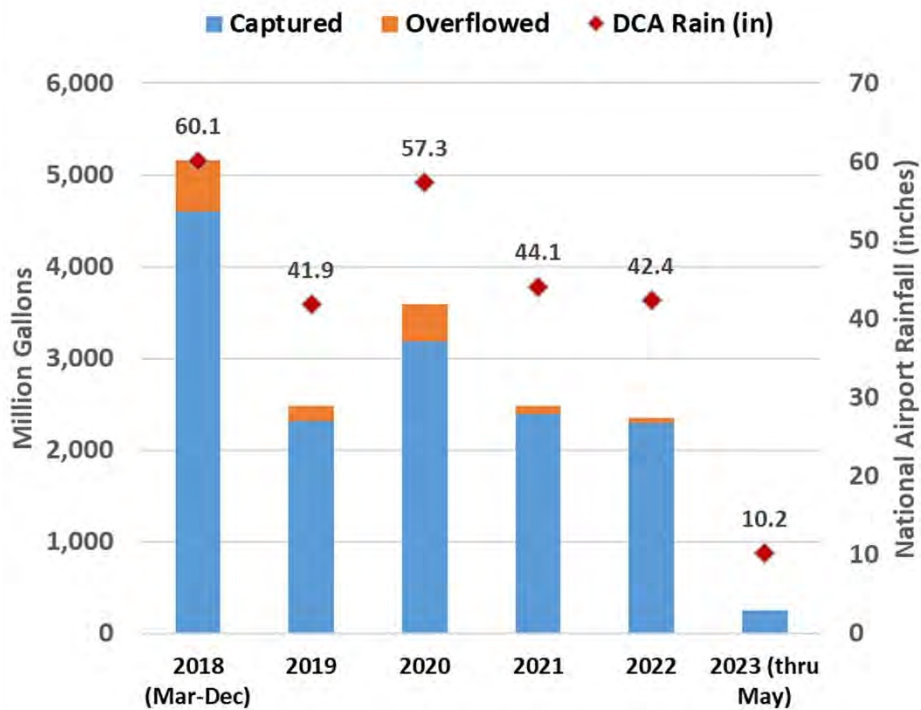




Anacostia Tunnel System Performance



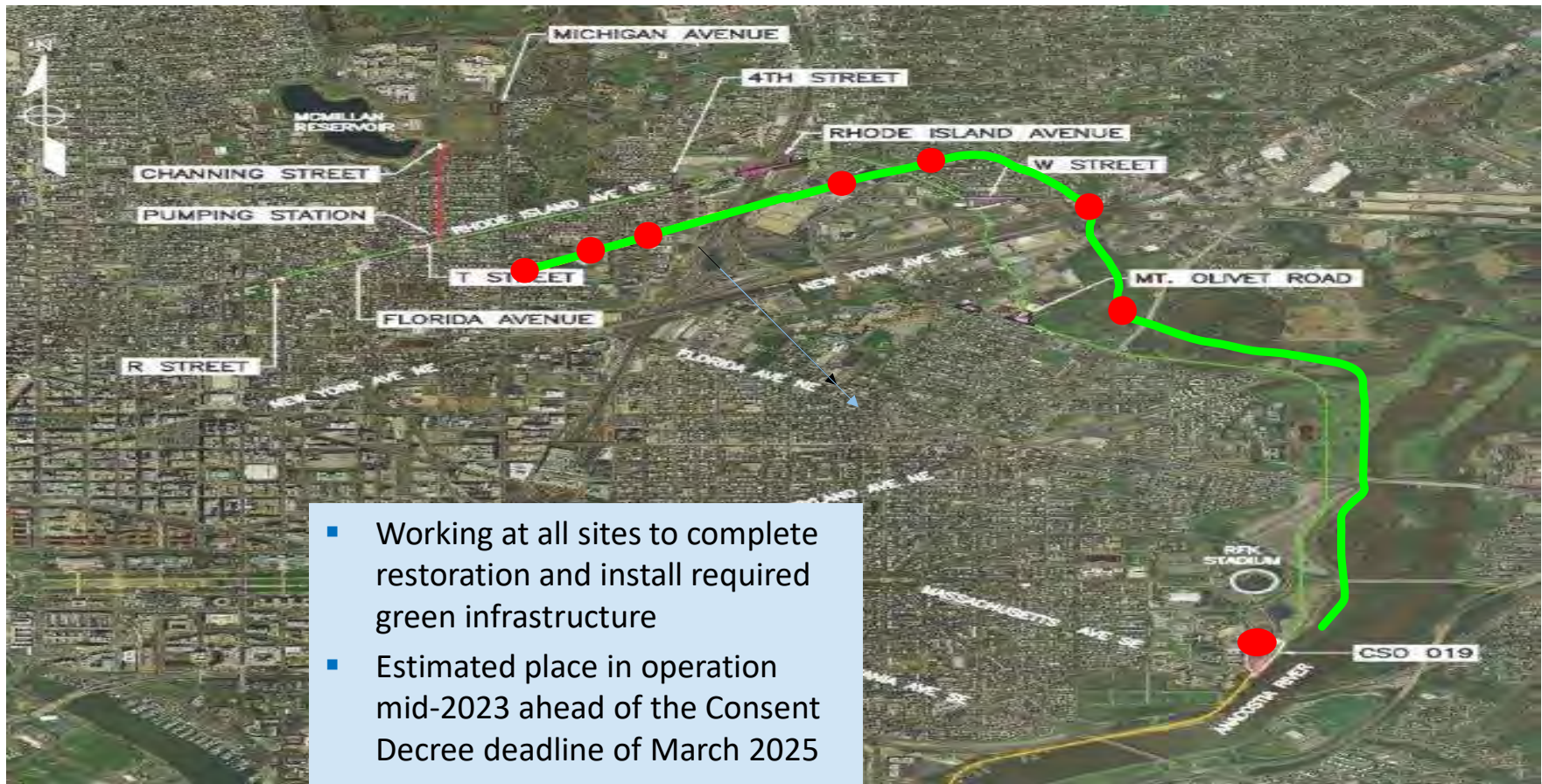
Anacostia Tunnel System Performance

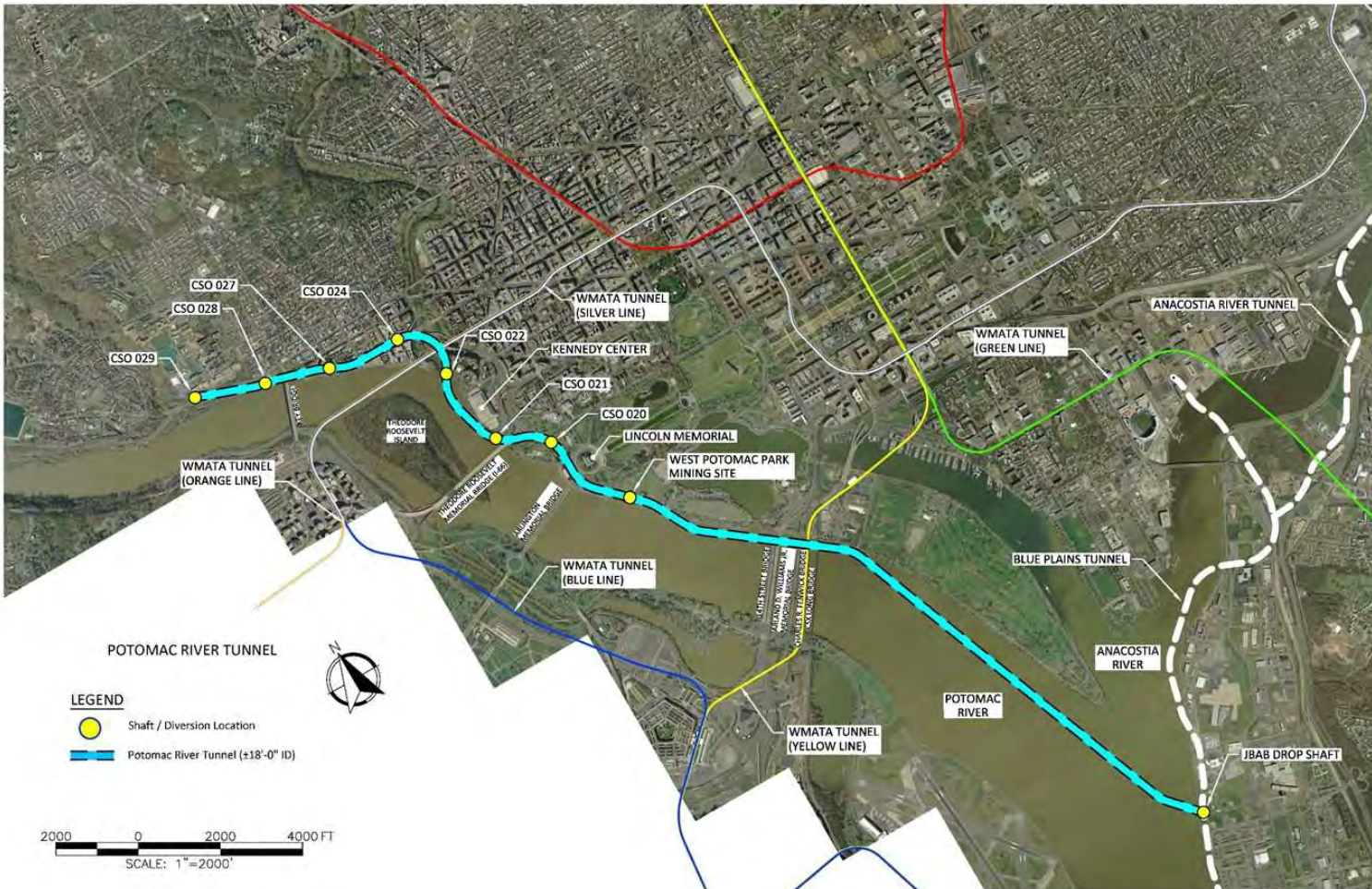


Trash, Debris and Solids Removal from Screening Shaft at Tunnel Dewatering Pumping Station



Division J – Northeast Boundary Tunnel Construction Progress





- **Tunnel Contract (Best Value Design-Build):**
 - ✓ RFQ and RFP: completed, 4 teams shortlisted
 - ✓ Collaboration: Completed
 - ✓ Proposals received: April 2023
 - Evaluation: underway
 - NTP: November 2023
 - Place in Operation: February 2030

Construction Management Services:

- ✓ Board approved contract at May 2023 meeting
- NTP: Aug 2023



Potomac River Tunnel Contract A Advanced Utility Construction



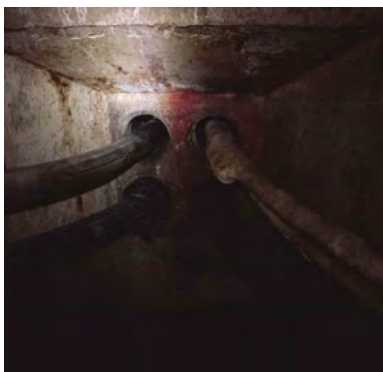
Purpose: Construct high voltage electric duct bank to power Potomac River Tunnel Contract B (PRT-B) tunnel boring machine and construct power drops to shaft work sites for PRT-B.

Substantial Completion achieved on May 26, 2023

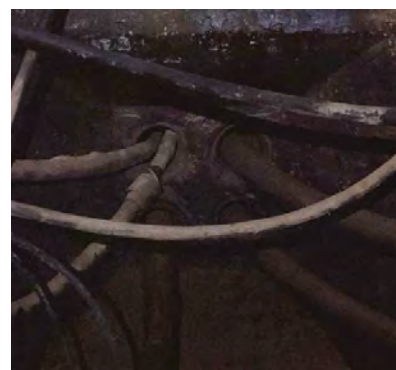
Installing additional 4-way duct bank in K Street NW beneath the Whitehurst Freeway to accommodate Pepco relocation for Potomac Tunnel at CSO 024.



CSO-029 - Typical Electrical Gear Installation



4-Way on East Manhole



4-Way on West Manhole



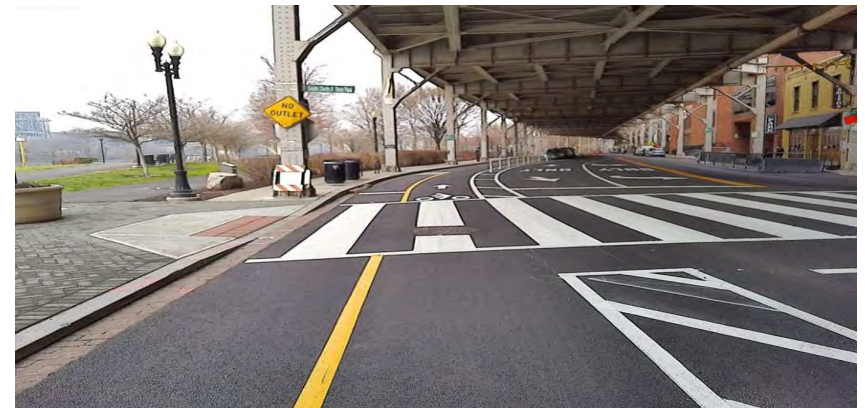
CSO 025/026 Sewer Separation



- Site 1: 31st Street
 - Final pavement restoration has been completed
- Site 2: Wisconsin Avenue
 - Final pavement restoration has been completed
- Site 3: Structure 44
 - Structure 44 is complete.
- Project completed and certified with EPA on March 17, 2023.
- Project close-out process on-going.



Pavement at the Beginning of Construction



Finished Pavement at the End of DCCR Restoration Work



Green Infrastructure Rock Creek Project B



Consent Decree Requirements

Manage 22 impervious acres with GI
Place in operation by January 23, 2024

Construction Status

Area 1 – Columbia Heights

All facilities completed

Area 2 – Takoma DC

All facilities completed

Area 3 – 16th St Heights

Two Alley Permeable Pavement (APP) in construction. Two APPs remain to be constructed

Area 4 – Grant Circle

All facilities completed



Area 5 – Sherman Circle

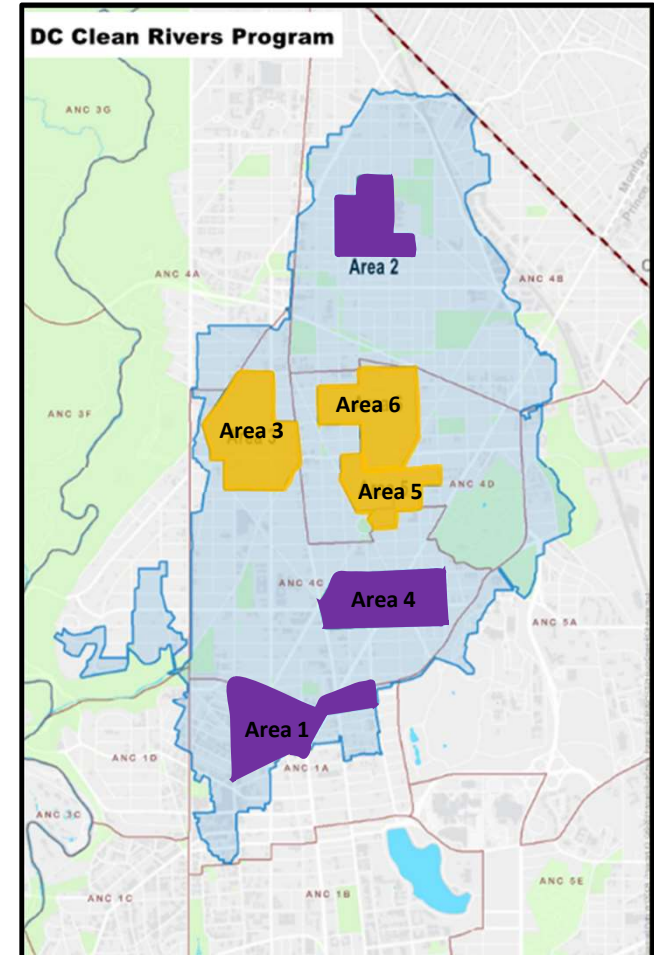
Two Planter Bioretention (PBR) and one APP in construction. No additional facilities remain

Area 6 – Brightwood Park

Two APPs in construction, four APPs facilities remain

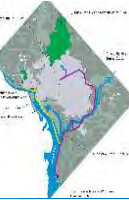
Legend

-  In Operation
-  Under Construction





DC Clean Rivers Public Outreach Efforts



Category	Activities
Community Coordination	<ul style="list-style-type: none"> The PR-C and PRT-A projects coordinated bike lane safety enhancements with the Washington Area Bicyclist Association (WABA) for impacted bike lanes. Began Potomac River Tunnel pre-construction survey outreach program.
Key Meetings	<ul style="list-style-type: none"> DCCR and OMAC met to agree on a location and date for the Anacostia River Tunnel System Commissioning Celebration.
Community Outreach Program	<ul style="list-style-type: none"> Provided weekly CSO 029 construction updates to Georgetown University. Coordinating with the public to minimize impacts of NEBT sites restoration

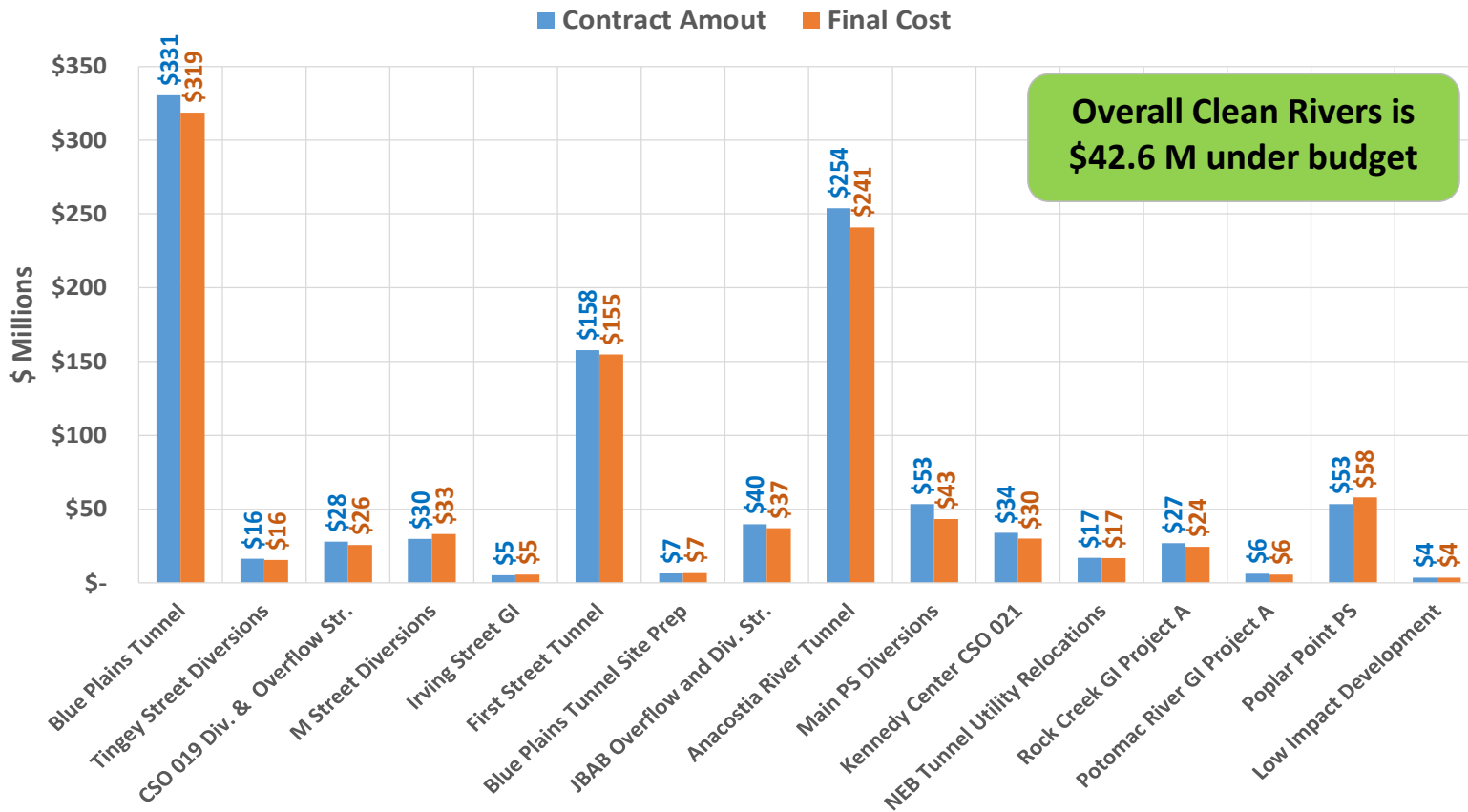


Lunch Appreciation



Twitter post of an aerial view of the R St NW construction site.

Construction Contract Amounts vs Final Cost

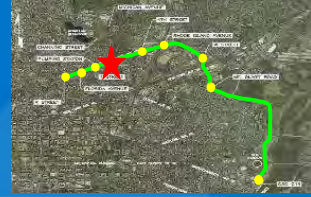


Clean Rivers expenditures on Northeast Boundary Tunnel are not expected to exceed the budget

Northeast Boundary Tunnel Surface Work Detailed Updates



Division J – Northeast Boundary Tunnel Construction Progress: Tunnel



Tunnel Station Plaques

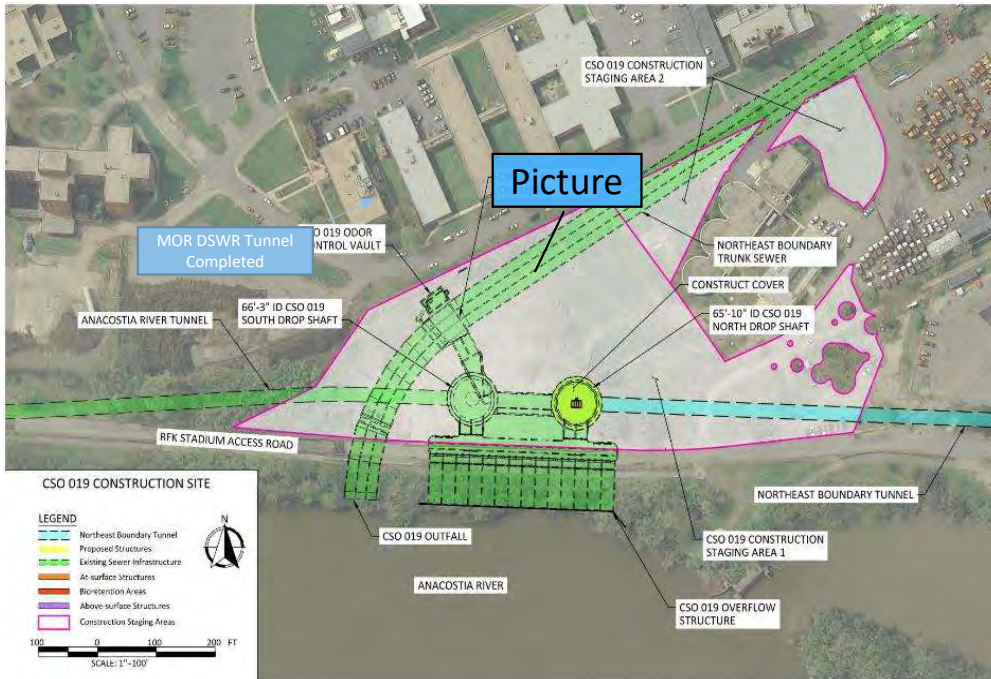
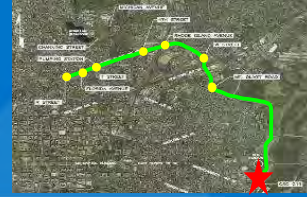


Tunnel Lidar Survey

- Completed the tunnel invert concrete installation from R Street to First Street tunnel connection
- Completed 3D Scanning of the Tunnel from W Street to R Street and from CSO-019 to MOR
- Completing Final Punchlist inspections and work in preparation for commissioning



Division J – Northeast Boundary Tunnel Construction Progress: CSO 019 (near RFK Stadium)



Site Plan

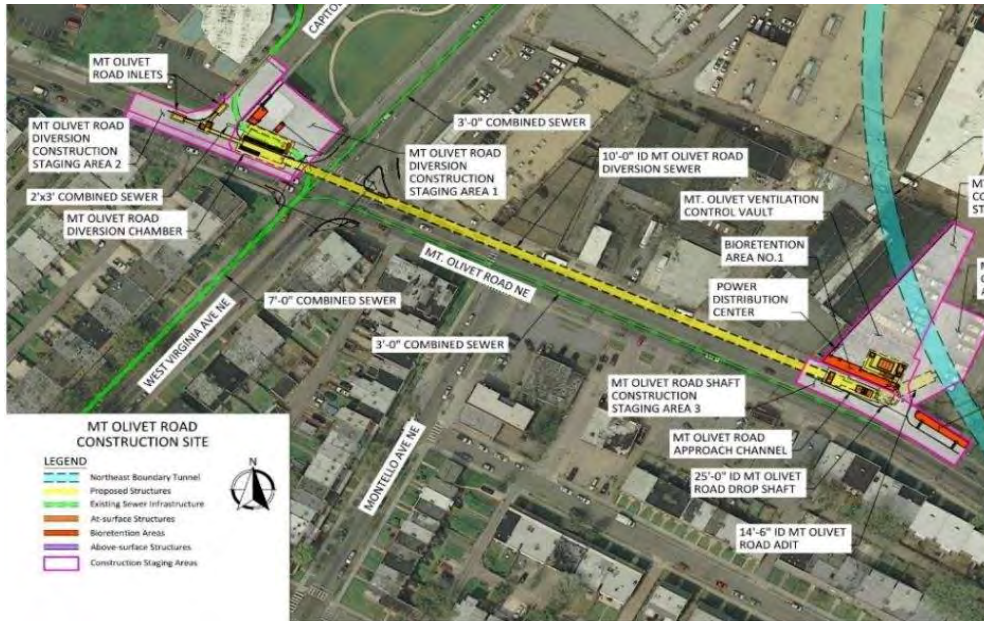
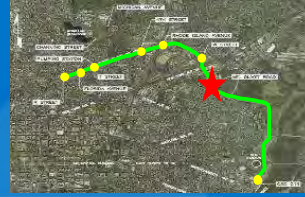


East End Looking West

- Site restoration work ongoing
- Preparing for start of tunnel commissioning (bulkhead removal) at the end of June



Division J – Northeast Boundary Tunnel Construction Progress: Mount Olivet Rd



Site Plan



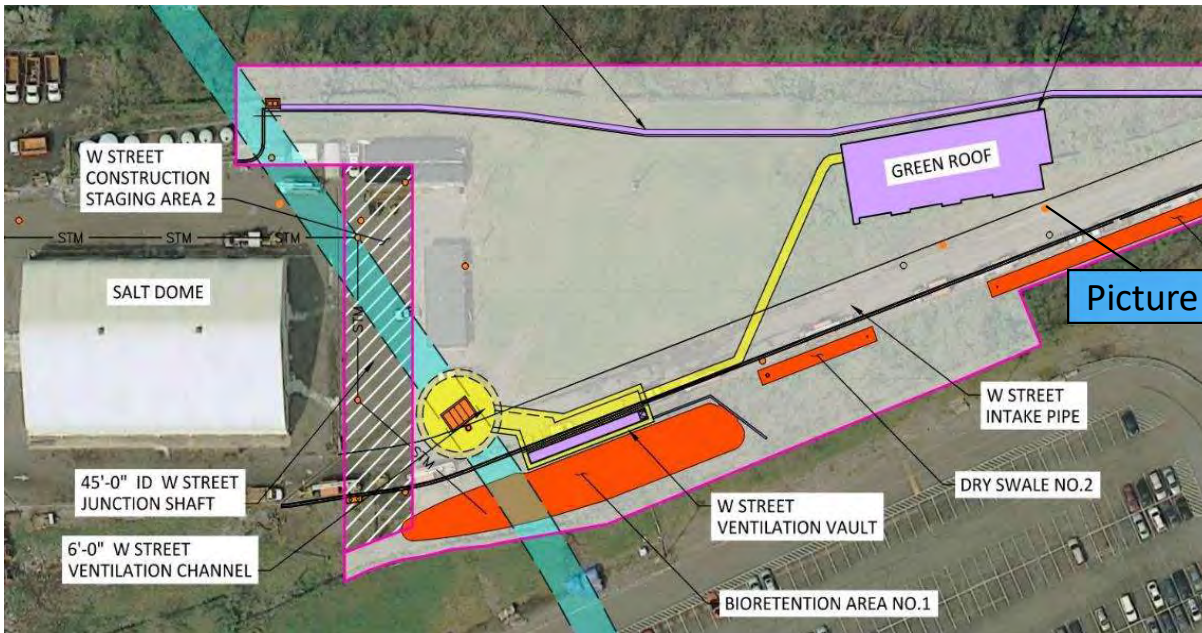
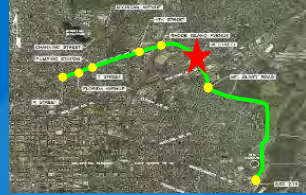
MOR Shaft Bioretention Pond Construction

Drop Shaft Site

- Constructing Green Infrastructure Bioretention Ponds as part of Site Restoration
- Diversion Chamber Site
- Constructing Green Infrastructure Bioretention Ponds as part of Site Restoration
- Backfilling of MOR DC site is complete



Division J – Northeast Boundary Tunnel Construction Progress: W Street



Site Plan

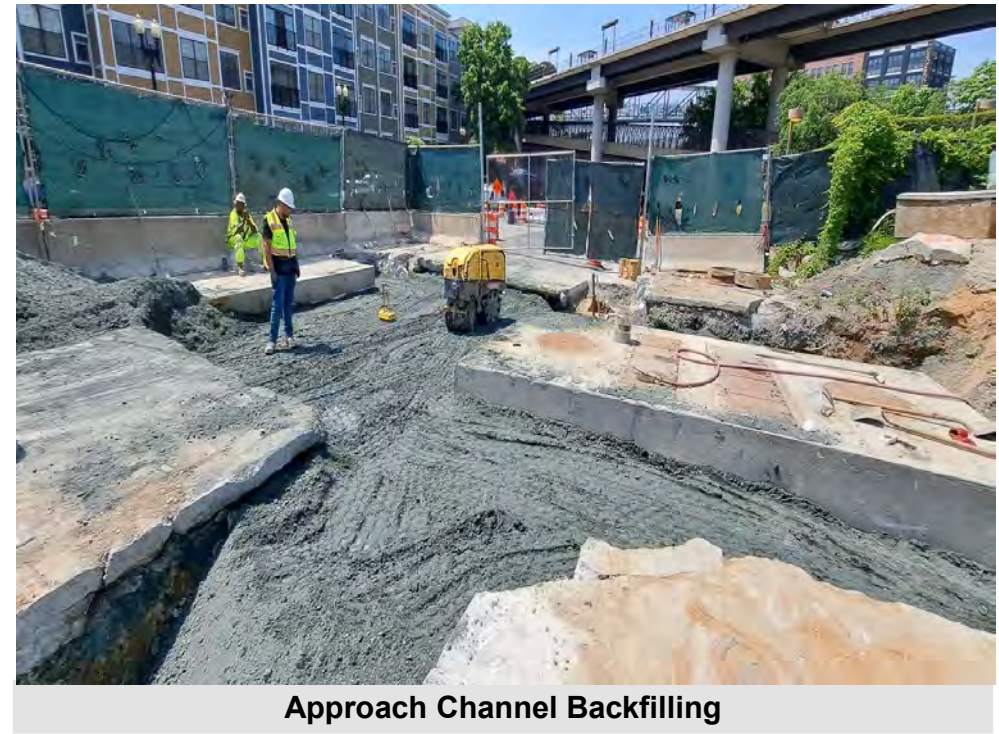
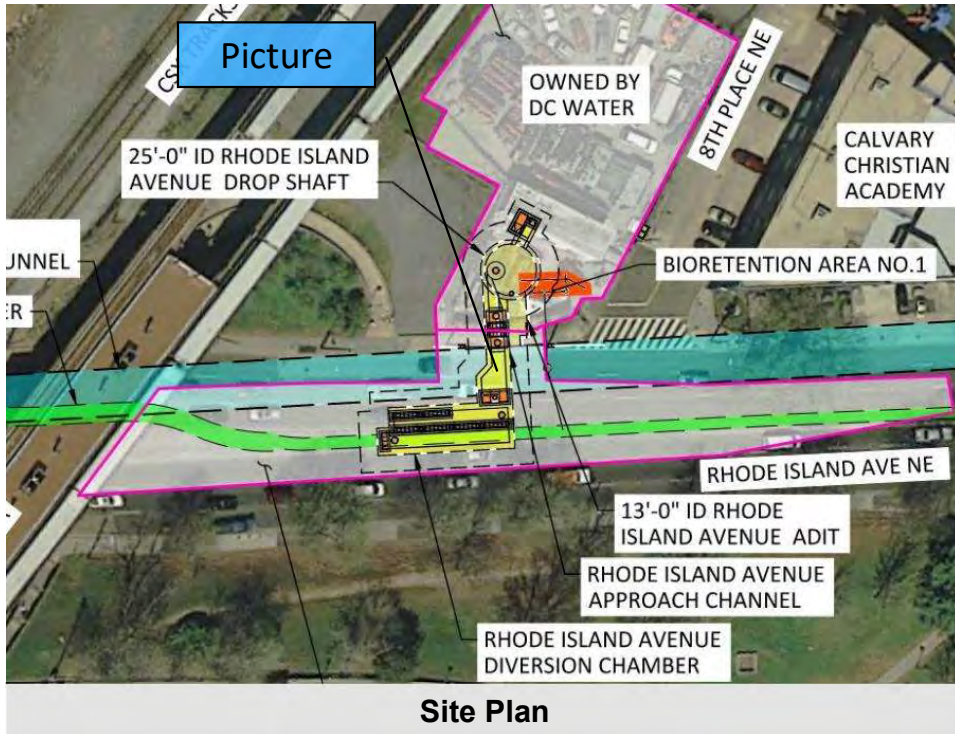
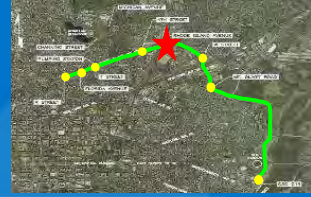


Ventilation Control Facility

- Continue Ventilation Control Facility (VCF) Mechanical, Electrical and Plumbing Work
- Continued VCF Exterior Precast Panel Installation
- Completed the VCF Roofing Membrane



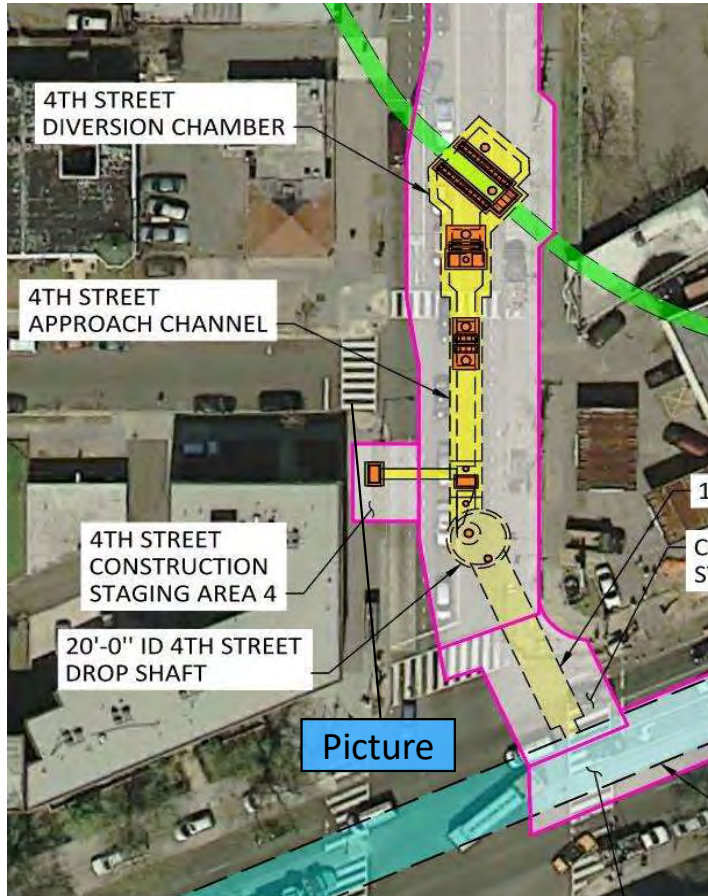
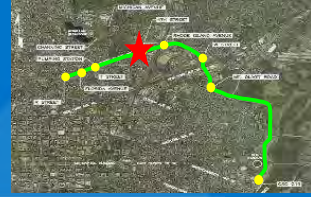
Division J – Northeast Boundary Tunnel Construction Progress: Rhode Island Avenue



- All structures complete at Drop Shaft site
- Continue with construction of the inlet on westbound lane of Rhode Island Avenue underneath elevated WMATA platform



Division J – Northeast Boundary Tunnel Construction Progress: 4th Street



Site Plan

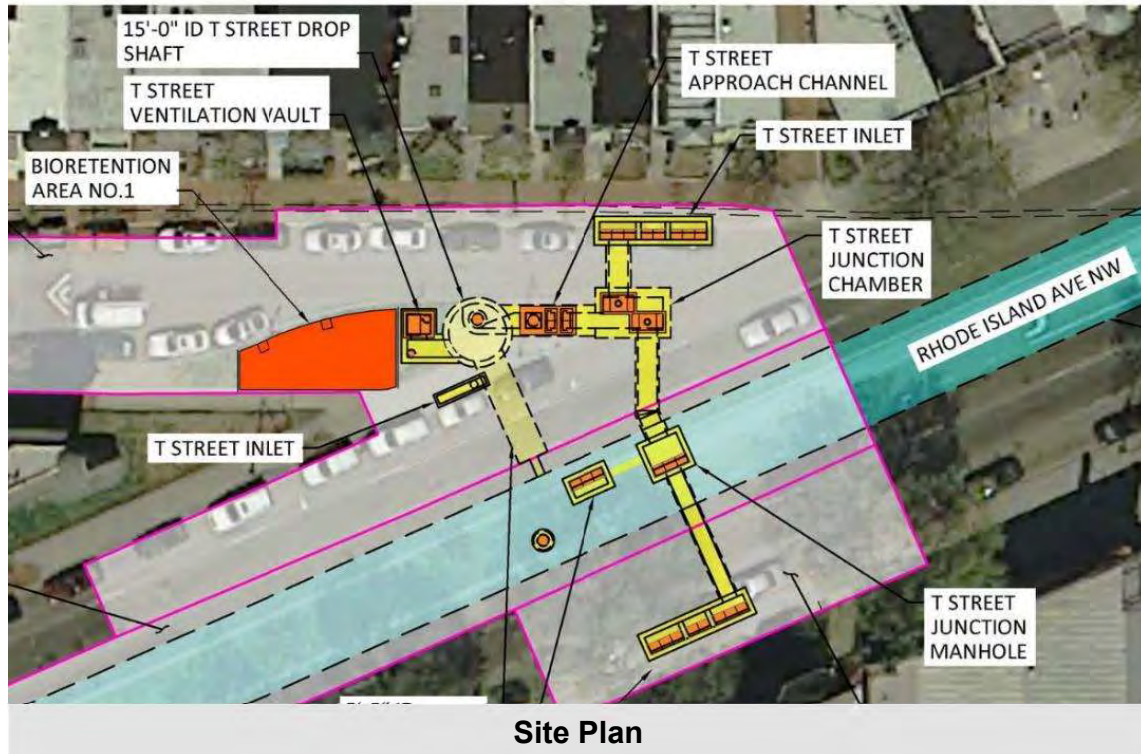
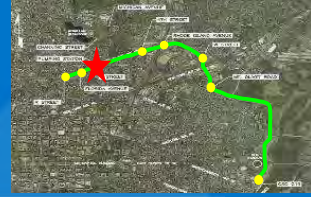


4th Street Restoration

- Completed sidewalk restoration and median reconstruction along Rhode Island Avenue



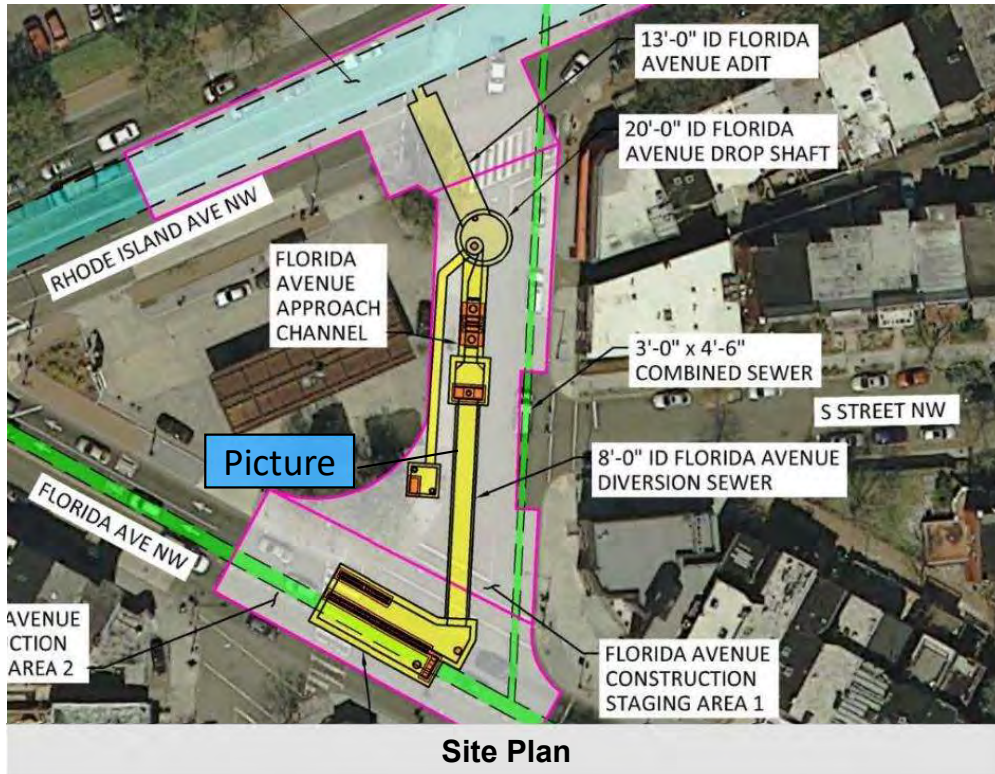
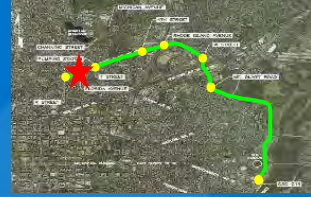
Division J – Northeast Boundary Tunnel Construction Progress: T Street



- Completed installation of inlet on eastbound lane of Rhode Island Avenue
- Performing restoration activities along Rhode Island Avenue and T Street



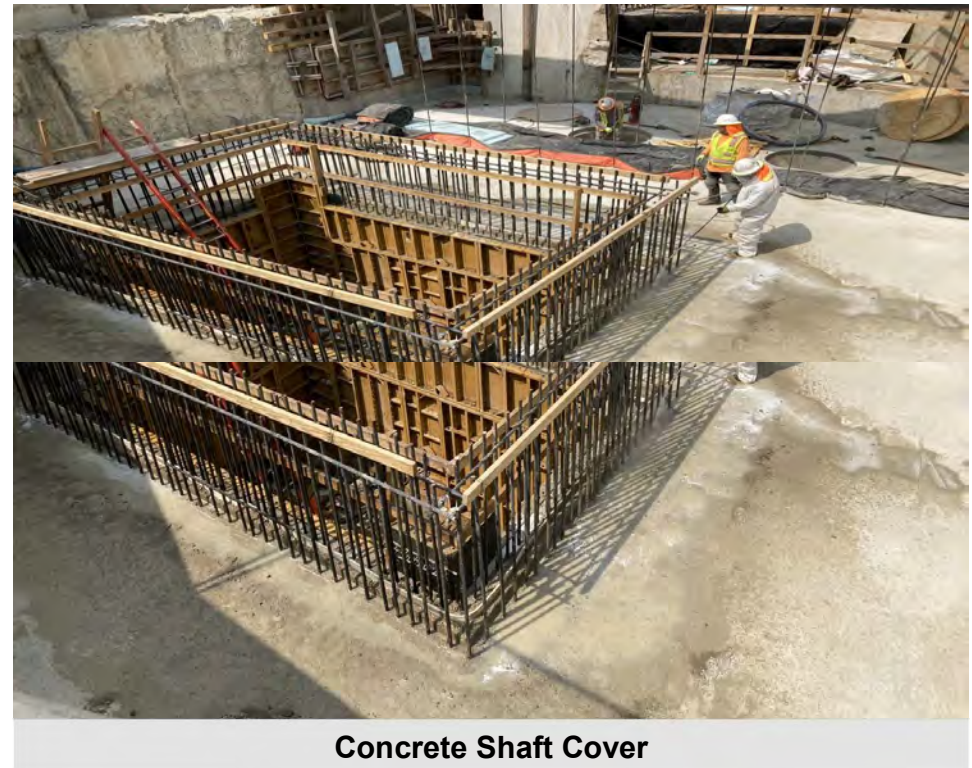
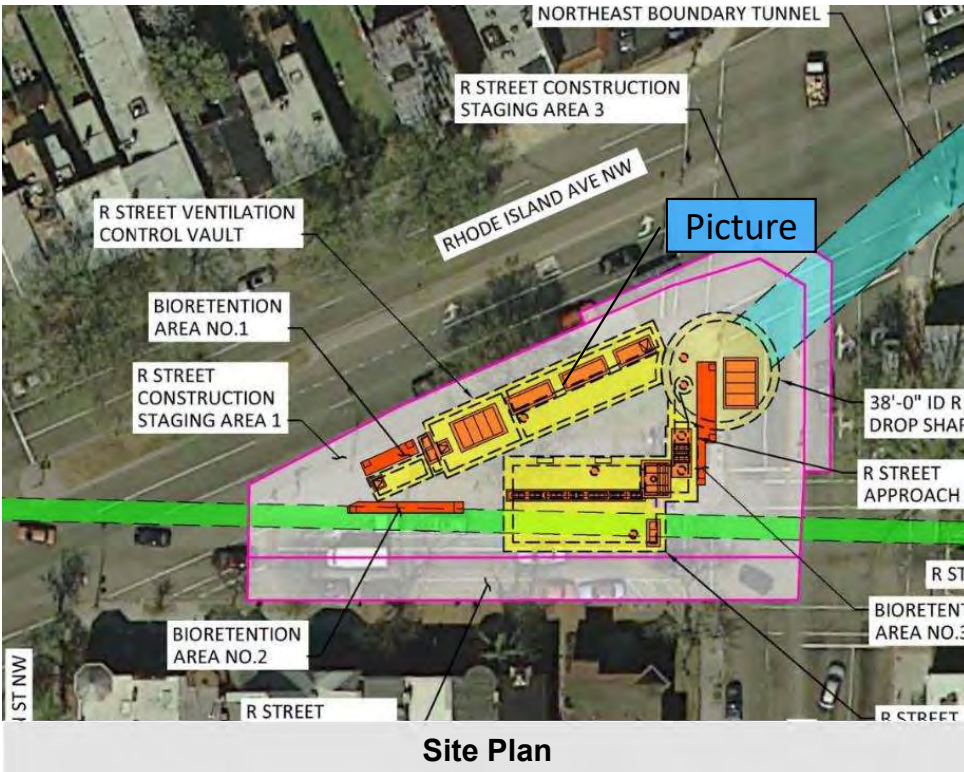
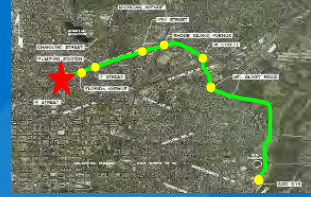
Division J – Northeast Boundary Tunnel Construction Progress: Florida Ave



- Completed construction of the drop shaft concrete cover, ventilation vault, and vent pipe
- Performing roadway and site restoration activities



Division J – Northeast Boundary Tunnel Construction Progress: R Street

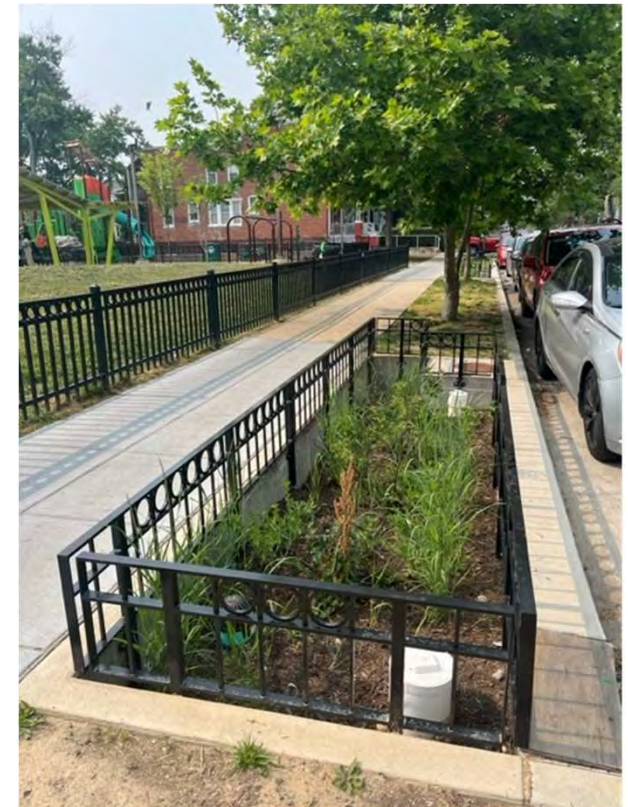


- Completed drop shaft concrete cover
- Continuing to install electrical / mechanical elements within the Ventilation Control Vault
- Preparing for site restoration activities

Rock Creek Project B (Green Infrastructure) Detailed Update



- Thirty-eight Permeable Alleys within the sewershed have passed their functional test and are providing a performance benefit
- An additional five alleys are under construction and another six are planned



- Seventeen Planter Bioretentions within the sewershed have passed their functional test and are providing a performance benefit
- An additional two bioretentions are under construction. No additional facilities remain to be constructed.

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

ACTION REQUESTED

**GOODS AND SERVICES CONTRACT OPTION YEAR
FERRIC CHLORIDE
(Joint Use)**

Approval to exercise option year 2 for the supply and delivery of ferric chloride in the amount of \$6,500,000.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: PVS Technologies 10900 Harper Avenue Detroit, MI 48213	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Base Year – Option Year 2 Value:	\$5,450,000.00
Base Year – Option Year 2 Dates:	08-01-2021—07-31-2024
Prior Modifications Value:	\$490,000.00
Prior Modification Dates:	02-01-2023 – 07-31-2023
Option Year 2 Additional Value:	\$6,500,000.00
Option Year 2 Dates:	08-01-2023—07-31-2024

Purpose of the Contract:

This contract is to supply and deliver liquid ferric chloride to DC Water’s Blue Plains Advanced Wastewater Treatment Facility. Ferric chloride removes phosphorous from the wastewater within the plant’s primary and secondary treatment stages, as well as odor-causing compounds. Ferric chloride also works with a polymer to coagulate and remove suspended solids. All of these functions are needed for DC Water to comply with its water discharge permits.

Contract Scope:

To ensure supply security, ferric chloride requirements were awarded to two companies with independent supply chains. PVS Technologies is awarded 55% (this request) and Carter & Carter is awarded 45% of DC Water requirements.

Spending Previous Year:

Cumulative Contract Value:	08-01-2021 to 07-31-2023: \$5,940,000.00
Cumulative Contract Spending:	08-01-2021 to 05-01-2023: \$4,404,646.00

Contractor’s Past Performance:

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

PROCUREMENT INFORMATION

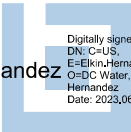
Contract Type:	Good and Services	Award Based On:	Best Value
Commodity:	Ferric Chloride	Contract Number:	10080
Contractor Market:	Open Market with goals for DBE and WBE Participation		

BUDGET INFORMATION

Funding:	Operating	Department:	Wastewater Treatment
Project Area:	Blue Plains	Department Head:	Nicholas Passarelli


ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	42.74%	\$2,778,100.00
Washington Suburban Sanitary Commission	42.85%	\$2,785,250.00
Fairfax County	9.16%	\$595,400.00
Loudoun Water	4.53%	\$294,450.00
Potomac Interceptor	0.72%	\$46,800.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$6,500,000.00



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 DN: C=US,
 E=Elkin.Hernandez@dwater.com,
 O=District of Columbia Water and Sewer
 Authority, OU=VP of Procurement &
 Compliance, CN=Elkin
 Hernandez
 Date: 2023.06.02 16:18:58-04'00'

_____/ _____
 Nicholas Passarelli Date
 VP of Wastewater Operations



Digitally signed by Dan Bae
 DN: C=US, E=dan,bae@dwater.com,
 O=District of Columbia Water and Sewer
 Authority, OU=VP of Procurement &
 Compliance, CN=Dan Bae
 Date: 2023.06.05 10:00:44-04'00'

_____/ _____
 Dan Bae Date
 VP of Procurement

Matthew T.
Brown

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 T. Brown
 Date: 2023.06.06 09:33:49
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 Matthew T. Brown Date
 CFO and EVP
 Finance, Procurement and Compliance

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

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEAR

HIGH VOLTAGE ANNUAL MAINTENANCE AND REPAIR OF ELECTRICAL EQUIPMENT

(Joint Use)

Approval to exercise Option Year 1 and Option Year 2 for Annual Maintenance of Electrical Control Equipment (High Voltage) in the amount of \$4,018,709.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: M.C. Dean Inc. 1765 Greensboro Station Place Tysons, VA 22102	SUBS: District Fleet Chinook Systems	PARTICIPATION: DBE 11% WBE 2%
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DESCRIPTION AND PURPOSE

Base Award Contract Value:	\$1,930,000.00
Base Award Contract Dates:	07-01-2022 – 06-30-2023
No. of Option Years in Contract:	2
Base Year Extension Value	\$0.00
Base Year Extension Date	07-01-2023 – 07-31-2023
Option Year 1 Value:	\$1,979,660.00
Option Year 1 Dates:	08-01-2023 – 06-30-2024
Option Year 2 Value:	\$2,039,049.00
Option Year 2 Dates:	07-01-2024 – 06-30-2025

Purpose of the Contract:

This contract is for annual maintenance of high voltage equipment supporting both Department of Maintenance Services (DMS) and Department of Pumping and Sewer Operation (DPSO).

DC Water's Department of Maintenance Services (DMS) and Department of Pumping and Sewer Operation (DPSO) have a continuing need for maintenance of high voltage switchgear and power distribution equipment throughout DC Water's facilities.

Contract Scope:

This contract provides the following services labor, transportation, replacement parts for repairs, calibration installation and maintenance of electrical control switchgear, controls, substation breakers, transformers (up to 69KV), current transformers, protection relays, and other related devices. In addition, this contract also provides miscellaneous activities during the commissioning of new equipment like point-to-point drawing field verification, coordination study implementation verification and other related tasks.

Spending Previous Year:

Cumulative Contract Value:	07/01/22 – 06/30/23: \$1,930,000.00
Cumulative Contract Spending:	07/01/22 – 05/19/23: \$1,233,747.00

Contractor Past Performance:

According to the COTR, the contractor's quality of product and services, timeliness of deliverables, conformance to DC Water's policies, contract terms and invoicing met requirements.

PROCUREMENT INFORMATION

Contract Type:	Goods and Services	Award Based On:	Best Value
Commodity:	Maintenance Services	Contract Number:	10272
Contractor Market:	Open Market with goals for DBE/WBE		

BUDGET INFORMATION

Funding:	Operating	Department:	DMS
Project Area:	Blue Plains	Department Head:	Elkin Hernandez

ESTIMATED USER SHARE INFORMATION

User -Operating	Share %	Dollar Amount
District of Columbia	42.74%	\$1,372,647.00
Washington Suburban Sanitary Commission	42.85%	\$1,376,180.00
Fairfax County	9.16%	\$294,185.00
Loudoun Water	4.53%	\$145,486.00
Potomac Interceptor	0.72%	\$23,124.00
Total Estimated Dollar Amount	100%	\$3,211,622.00


BUDGET INFORMATION

Funding:	Operating	Department:	DPSO
Service Area:	Other	Department Head:	Kenrick StLouis

ESTIMATED USER SHARE INFORMATION

User -Operating	Share %	Dollar Amount
District of Columbia	100%	\$807,087.00
Washington Suburban Sanitary Commission	0%	\$0.00
Fairfax County	0%	\$0.00
Loudoun Water	0%	\$0.00
Other (PI)	0%	\$0.00
Total Estimated Dollar Amount	100%	\$807,087.00


5/24/2023 Kenrick St. Louis, 5/30/2023
 Nicholas Passarelli Date Kenrick StLouis Date
 VP, Wastewater Operations VP, Pumping and Sewer Operations


 Digitally signed by Dan Bae
 DN: C=US, E=dan.bae@dwater.com,
 O=District of Columbia Water and
 Sewer Authority, OU=VP of
 Procurement & Compliance, CN=Dan
 Bae
 Date: 2023.06.01 17:52:47-04'00'

 Dan Bae Date
 VP, Procurement

Matthew T. Brown
 Digitally signed by Matthew
 T. Brown
 Date: 2023.06.02 14:41:03
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 Matthew T. Brown Date
 CFO and EVP, Finance, Procurement and Compliance

 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEARS

ANNUAL MAINTENANCE AND REPAIR OF (LOW VOLTAGE) ELECTRICAL POWER DISTRIBUTION EQUIPMENT

(Joint Use)

Approval to exercise Option Year 1 and Option Year 2 for Annual Maintenance of Electrical Control Equipment (Low Voltage) in the amount of \$1,140,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: M.C. Dean Inc. 1765 Greensboro Station Place Tysons, VA 22102	SUBS: District Fleet Regional Contracting Services	PARTICIPATION: DBE 10% WBE 2%
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DESCRIPTION AND PURPOSE

Base Award Contract Value:	\$570,000.00
Base Award Contract Dates:	07-01-2022 – 06-30-2023
No. of Option Years in Contract:	2
Base Year Extension Value:	\$0.00
Base Year Extension:	07-01-2023 – 07-31-2023
Option Year 1 Value:	\$570,000.00
Option Year 1 Dates:	08-01-2023 – 06-30-2024
Option Year 2 Value:	\$570,000.00
Option Year 2 Dates:	07-01-2024 – 06-30-2025

Purpose of the Contract:

This contract is for annual maintenance of low voltage electrical control equipment for the Department of Maintenance Services (DMS)

Contract Scope:

This contract provides services for preventative maintenance, inspections, troubleshooting, repair, planning and scheduling of work orders. The work includes installation, replacement or upgrade of motors, field sensors, wiring and conduit, control panels and components, power panels, 480-volt MCC cubicles or components, duct banks, pull boxes and other field wiring termination devices as directed by the COTR.

Spend Previous Year:

Cumulative Contract Value:	07/01/22 – 07/31/23: \$570,000.00
Cumulative Contract Spending:	07/01/22 – 05/19/23: \$373,541.00

Contractor Past Performance:

According to the COTR, the contractor's quality of product and services, timeliness of deliverables, and conformance to DC Water's policies, contract terms and invoicing met requirements.

PROCUREMENT INFORMATION

Contract Type:	Goods and Services	Award Based On:	Best Value
Commodity:	Maintenance Services	Contract Number:	10147
Contractor Market:	Open Market with goals for DBE/WBE		

BUDGET INFORMATION

Funding:	Operating	Department:	DMS
Project Area:	Blue Plains	Department Head:	Elkin Hernandez

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	42.74%	\$487,236.00
Washington Suburban Sanitary Commission	42.85%	\$488,490.00
Fairfax County	9.16%	\$104,424.00
Loudoun Water	4.53%	\$51,642.00
Potomac Interceptor	0.72%	\$8,208.00
Total Estimated Dollar Amount	100%	\$1,140,000.00



Nicholas Passarelli Date
VP, Wasterwater Operation



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E=dan.bae@dcwater.com,
O=District of Columbia Water and
Sewer Authority, OU=VP of
Procurement & Compliance,
CN=Dan Bae
Date: 2023.06.01 20:46:59-04'00'

Dae Bae Date
VP, Procurement

**Matthew T.
Brown**

Digitally signed by Matthew T.
Brown
Date: 2023.06.02 11:57:18
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Matthew T. Brown Date
CFO and EVP, Finance, Procurement and Compliance

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 FUNDING REQUEST

For Temporary Staffing Services

(Joint Use and Non-Joint Use)

Approval to fund Temporary Staffing Services for preferred pre-qualified firms to provide staffing services for various DC Water Departments in the amount of \$7,788,296.45 for three years.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Mb Staffing Services LLC 819 7 th St. Suite 311 Washington, DC 20001	Griffin Consulting Partners, LLC. 3261 Old Washington Road Waldorf, MD 20602	DBE 85% WBE 15%
22 nd Century Technologies, Inc. 1 Executive Drive, Ste #285 Somerset, NJ 08873	Optimize Manpower Solutions, Inc. 200 Continental Drive Newark, DE 19713	DBE 85% WBE 15%
Aspen of DC, Inc. d.b.a. ADC Management Solutions 1315 Irving Street, NW Washington, DC 20010	N/A	DBE 100%
FM Talent Source 912 Thayer Avenue 3rd Floor Silver Spring, MD 20910	Monbo Group International 10451 Mill Run Circle, Suite 400 Owings Mill, MD 21117	DBE 85% WBE 15%
Freedom International, Inc. 22636 Glenn Drive, Suite 106 Sterling, VA 20164	ABBTECH Professional Resources, Inc 45625 WILLOWPOND Plz Sterling, VA 20164	DBE 49% WBE 51%
Infojini, Inc. 10015 Old Columbia Road, Suite B 215 Columbia, Md 21046	N/A	DBE 100%
SPS Consulting, LLC 1901 Research Blvd Ste 320 Rockville, Md 20850	N/A	DBE 100%

DESCRIPTION AND PURPOSE

Three Year Period Values:	\$7,788,296.45
Base Period Dates:	08-01-2023 – 07-31-2026
Number of Option year:	2
Option Year Period:	08-01-2026 – 07-31-2028
Proposal Closing Date:	07-06-2022
Proposals Received:	17

Purpose of the Request:

Provide funding to supply Temporary Staffing Services for DC Water. The services are needed for special projects (including long and short-term) and staff vacancies. Departments submit individual requests for temporary staffing services as their needs arise.

Scope of the Services:

Provide temporary staffing services to various DC Water user departments. DC Water utilizes temporary staffing services to fill short-term staffing needs, in the areas of Administration, People and Talent, Compliance, Engineering, Water Operations, Department of Pumping and Sewer Operations (DPSO), Wastewater, Facilities, Board Secretary and Maintenance. Qualified individuals are required to assist DC Water staff in project completion, or for interim placement necessary due to employee turnover and/or coverage during a short-term absence.

Supplier Selection:

Procurement advertised and issued a Request for Proposal for temporary staffing services to pre-qualify suppliers. 17 suppliers responded to the proposal. Seven (7) suppliers met the DC Water qualification requirements and are recommended for pre-qualified supplier status. Based on the evaluation criteria of experience, qualifications, price and technical approach, these suppliers were rated the best overall offerors.

PROCUREMENT INFORMATION			
Contract Type:	Fixed Hourly Rate	Award Based On:	Highest Ratings
Commodity:	Good and Services	Contract Numbers:	N/A
Contractor Market:	Open Market with DBE/WBE Goal		

BUDGET INFORMATION			
Funding:	Operating	Department:	DC Water Wide
Project Area:	DC Water Wide	Department Head:	Keith Lindsey

ESTIMATED USER SHARE INFORMATION		
User - Operating – Joint Use Indirect	Share %	Dollar Amount
District of Columbia	71.19%	\$2,721,790.30
Washington Suburban Sanitary Commission	21.21%	\$810,916.87
Fairfax County	4.86%	\$185,811.22
Loudoun Water	2.38%	\$90,993.97
Other (PI)	0.36%	\$13,763.79
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$3,823,276.16

User - Operating – Non-Joint Use Indirect	Share %	Dollar Amount
District of Columbia	100.00%	\$1,188,326.72
Washington Suburban Sanitary Commission	0.00%	\$0.00
Fairfax County	0.00%	\$0.00
Loudoun Water	0.00%	\$0.00
Other (PI)	0.00%	\$0.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$1,188,326.72


User - Operating – Joint Use - MJUF	Share %	Dollar Amount
District of Columbia	72.51%	\$36,339.46
Washington Suburban Sanitary Commission	12.70%	\$6,364.79
Fairfax County	8.10%	\$4,059.43
Loudoun Water	5.91%	\$2,961.88
Other (PI)	0.78%	\$390.91
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$50,116.48

BUDGET INFORMATION			
Funding:	Capital	Department:	Engineering and Technical Services (DETS), CIPIM, DCCR
Service Area:	Sanitary Sewer, Water, Combined Sewer	Department Head:	David Parker
Project:	A4, CW, KH, HX		


User - Capital	Share %	Dollar Amount
District of Columbia	100%	\$2,726,577.08
Washington Suburban Sanitary Commission	0%	\$0.00
Fairfax County	0%	\$0.00
Loudoun Water	0%	\$0.00
Other (PI)	0%	\$0.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$2,726,577.08

 / 6/5/2023

Keith Lindsey Date
Acting Chief People and Inclusion Officer and EVP, People & Talent

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DN: C=US, E=dan.bae@dcwater.com,
O=District of Columbia Water and
Sewer Authority, OU=VP of
Procurement & Compliance, CN=Dan
Bae
Date: 2023.06.06 09:11:54-04'00'

Dan Bae Date
VP of Procurement

 Digitally signed by Matthew T.
Brown
Date: 2023.06.08 15:20:00
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Matthew T. Brown Date
CFO and EVP, Finance, Procurement and Compliance

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

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

ACTION REQUESTED

ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT

**Grit, Screenings and Primary Facilities Upgrade
(Joint Use)**

Approval to execute Supplemental Agreement No. 02 for \$4,499,763. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
HDR Engineering, Inc. 249 Central Park Ave. Suite201 Virginia Beach, VA 23462	Milhouse Engineering and Construction, Inc. Chicago, IL DBE	33.3%
<u>Headquarters</u> Omaha, Nebraska 68114	PDH Associates, Inc. Potomac, MD WBE	11.8%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$1,000,000
Value of this Supplemental Agreement:	\$4,499,763
Cumulative SA Value, including this SA:	\$8,999,455
Current Contract Value, Including this SA:	\$9,995,455
Original Contract Time:	240 Days (0 Years, 8 Months)
Time extension, this SA:	2,295 Days
Total SA contract time extension:	3,539 Days (9 Years, 8 Months)
Contract Start Date:	06-22-2018
Contract Completion Date:	10-26-2028

Purpose of the Contract:

Provide engineering, permitting, bid services, and engineering services during construction for the electrical and ancillary improvements to Headworks Facilities located at the DC Water Blue Plains Advanced Wastewater Treatment Plant (AWTP).

Original Contract Scope:

Provide engineering services for the development of a Concept Finalization/Preliminary Design Report (CF/PDR), participation in Value Engineering Study, and provide design lock-in documentation for work identified through a condition assessment.

Previous Supplemental Agreement Scope:

The Headworks Facilities located within Blue Plains AWTP has experienced accelerated deterioration due to a corrosive environment caused by hydrogen sulfide gases. As a result, the original agreement was undertaken to provide a CF/PDR to identify electrical and ancillary improvements to the Headworks Facilities through a condition assessment. This Supplemental Agreement serves to provide engineering services for the design of the identified/recommended improvements that, once implemented, will allow continued reliable service of the Headworks Facilities for another 20 years. The scope of work includes:

- Detailed design and development of Contract Bid Documents
- Permitting
- Assist during Bidding Phase
- Development of Conformed Contract documents
- Assist the High Priority Repair and Replacement Program (HPRP) with the design of electrical re-connections of Screens as they are refurbished and reinstalled.

Current Supplemental Agreement Scope:

Provide engineering services for the redesign of Grit Building No. 2 HVAC system that was identified and recommended within the Grit Building No. 2 HVAC technical memo (TM) that was developed under Supplemental Agreement No.1. This contract includes professional design services during construction. The 48-month construction duration is based on anticipated long lead times for electrical equipment. The scope of work includes:

- Detailed design of East Grit Building HVAC.
- Permitting cost
- Provide electrical Instrumentation and control (I&C) design upgrades needed to support the upgraded mechanical equipment.
- Provide professional services during construction.

Future Supplemental Agreement Scope:

- No Future Supplemental Agreement is anticipated.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price & Cost-Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Design Services	Contract Number:	DCFA #483-WSA
Contractor Market:	Open Market		

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	41.22%	\$1,854,802.00
Washington Suburban Sanitary Commission	45.84%	\$2,062,691.00
Fairfax County	8.38%	\$ 377,080.00
Loudoun County & Potomac Interceptor	4.56%	\$ 205,189.00
Total Estimated Dollar Amount	100.00%	\$4,499,763.00



Digitally signed by David Parker
 DN: E=David.Parker@dcwater.com,
 CN=David Parker, OU=Engineering,
 OU=WASA Users, DC=dcwasa, DC=com
 Date: 2023.06.06 14:41:17-04'00'

David Parker
 VP of Engineering

Date

Matthew T.
 Brown

Digitally signed by Matthew
 T. Brown
 Date: 2023.06.08 13:07:48
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Matthew T. Brown
 CFO and EVP
 Finance and Procurement

Date



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 Authority, OU=VP of Procurement &
 Compliance, CN=Dan Bae
 Date: 2023.06.06 16:23:19-04'00'

Dan Bae
 VP of Procurement

Date

David L. Gadis
 CEO and General Manager

Date

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD

**Network Infrastructure Extension (NIE) System
(Joint Use)**

Approval to award a contract to furnish Network Infrastructure Extension (NIE) System upgrade at various sites and fund the three-year base term for \$2,993,758. Purchase Orders will be issued based on availability funds, requirements, and vendor performance.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Global Com, Inc. 23465 Rock Haven Way Suite 140 Sterling, VA 20166	SUBS: C(N)E Cheroenhaka Nottoway Enterprises, LLC Mayhew Technology Solutions, LLC	PARTICIPATION: DBE:20% WBE:23%
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DESCRIPTION AND PURPOSE

Base Period Contract Value:	\$2,993,758
Base Period Contract Date:	3 Years
Number of Option Years:	0
Contract Start Date:	July 27, 2023
Contract End Date:	July 26, 2026
Number of Proposals Received:	2
Price Range:	\$2.8 - \$3 million

Purpose of the Contract:

This resulting work will extend the DC Water fiber optic network to twenty strategic operational sites located throughout the Blue Plains campus utilizing our underground communications infrastructure. This project will also allow for migration from an older legacy system to a more robust and flexible system to support the continuing growth of our Office Administrative (OA) and Process Control (PC) networks, which are crucial for plant operations.

Contract Scope:

The scope of work shall include planning, site investigation, implementation, acceptance testing of Sumitomo Air Blown Fiber cables, decommission old and install new cables at various DC Water facilities. DC Water has identified \$390,490 to address potential differing site conditions to include changes in cable path and material increase due to supply chain changes. The DC Water assigned project manager will manage the funds.

Supplier Selection:

Procurement advertised and issued a Request for Proposal for the services. Two (2) firms responded to the solicitation. The award recommendation is based on the overall highest rated offerors.

PROCUREMENT INFORMATION

Contract Type:	Cost Plus Fixed Fee	Award Based On:	Best Value
Commodity:	Small Construction & Renovation	Contract Number:	10212
Contractor Market:	Open Market		

BUDGET INFORMATION

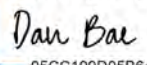
Funding:	Capital	Department:	Information Technology
Project Area:	IV00	Department Head:	Thomas Kuczynski
Service Area:	Blue Plains		


ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	41.22%	\$1,234,027.05
WSSC	45.84%	\$1,372,338.67
Fairfax County	8.38%	\$250,876.92
Loudoun Water	3.73%	\$111,667.17
Other (PI)	0.83%	\$24,848.19
TOTAL ESTIMATED DOLLAR AMOUNT		\$2,993,758

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 Thomas Kuczynski Date
 VP, Information Technology

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 Dan Bae Date
 VP of Procurement

Matthew T. Brown

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 Date: 2023.06.09 09:05:15 -04'00'
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 Matthew T. Brown Date
 CFO and EVP, Finance, Procurement, and Compliance

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