



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

Meeting of the  
Environmental Quality and Operations Committee  
Thursday, March 16, 2023  
9:30 a.m.

**Microsoft Teams Meeting**

Join on your computer, mobile app

[Click here to join the meeting](#)

Or call in (audio only)

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

Phone Conference ID: 578 973 231#

9:30 a.m.	I.	<b>Call to Order</b>	Howard Gibbs Vice Chair
	II.	<b>Roll Call</b>	Michelle Rhodd Board Secretary
9:35 a.m.	III.	<b>BPAWTP Performance Update</b>	Aklile Tesfaye/Ryu Suzuki
9:55 a.m.	IV.	<b>DC Clean Rivers Quarterly Update</b>	Moussa Wone
10:15 a.m.	V.	<b>Lead Free DC Quarterly Update</b>	William Elledge
10:35 a.m.	VI.	<b>Action Items</b>	Dan Bae/David Parker

**Joint Use**

1. Agreement No.: DCFA-534 A, B and C - Wastewater Treatment Facility – Basic Ordering Agreement, Brown and Caldwell, Johnson, Mirmiran & Thompson Inc., Whitman Requardt & Associates, LLP.
2. Contract 18-PR-OSH-06 Option Years 5-7 - Safety Risk System (SRS) - Origami Risk LLC
3. Contract 19-PR-OCEO-24 – Task Order 2 - Strategic Planning Advisory Services – ARUP-Deloitte
4. Contract 10348 – Award Contract for Bloom Sales and Marketing – Blue Drop LLC

**Non-Joint Use**

1. Agreement No.: DCFA-525 A, B and C - Survey & Subsurface Utility Engineering (SUE) – BOA, A Morton Thomas and Associates, KCI Technologies, Inc., Utility Mapping Services, P.C.

**10:50 a.m. VII. Other Business / Emerging Issues**

**10:55 a.m. VIII. Executive Session\***

**11:00 a.m. IX. Adjournment**

Howard Gibbs

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

1. David Parker (VP, Engineering): To arrange a presentation to the Committee on DC Water's approach to incorporating equity considerations in the prioritization of CIP infrastructure projects. **Presentation to be delivered at July 2023 Committee.**
2. VP, Wastewater Treatment Operations, Akilile Tesfaye: To provide a chart summarizing the volume of CSOs captured across all systems for 2022 and the number of overflow events by month for 2022. **Written response summarizing capture and percent of Total CSOs provided to EQ&OPs as written response March 2023**
3. Chief Legal Officer and EVP, Mark Battle: To provide a chart summarizing which actions Principal and Alternate Board members can vote on **Response Under Development by OGLA**

†The DC Water Board of Directors may go into executive session at this meeting pursuant to the District of Columbia Open Meetings Act of 2010, if such action is approved by a majority vote of the Board members who constitute a quorum to discuss certain matters, including but not limited to: matters prohibited from public disclosure pursuant to a court order or law under D.C. Official Code § 2-575(b)(1); terms for negotiating a contract, including an employment contract, under D.C. Official Code § 2-575(b)(2); obtain legal advice and preserve attorney-client privilege or settlement terms under D.C. Official Code § 2-575(b)(4)(A); collective bargaining negotiations under D.C. Official Code § 2-575(b)(5); facility security matters under D.C. Official Code § 2-575(b)(8); disciplinary matters under D.C. Official Code § 2-575(b)(9); personnel matters under D.C. Official Code § 2-575(b)(10); third-party proprietary matters under D.C. Official Code § 2-575(b)(11); train and develop Board members and staff under D.C. Official Codes § 2-575(b)(12); adjudication action under D.C. Official Code § 2-575(b)(13); civil or criminal matters or violations of laws or regulations where disclosure to the public may harm the investigation under D.C. Official Code § 2-575(b)(14); and other matters provided under the Act.



# ***BPAWTP UPDATE***



Blue Plains Complete Treatment Performance  
Environmental Quality & Operations Committee  
March 16, 2023

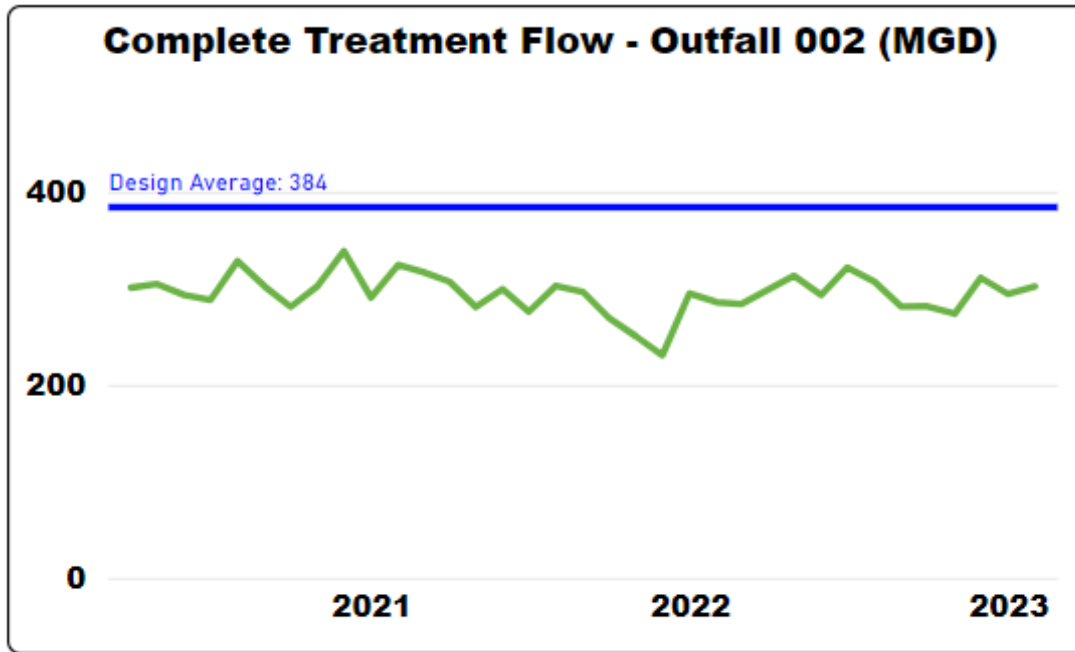


Aklile Tesfaye, Vice President, Wastewater Treatment Operations



# Operational Performance Complete Treatment

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

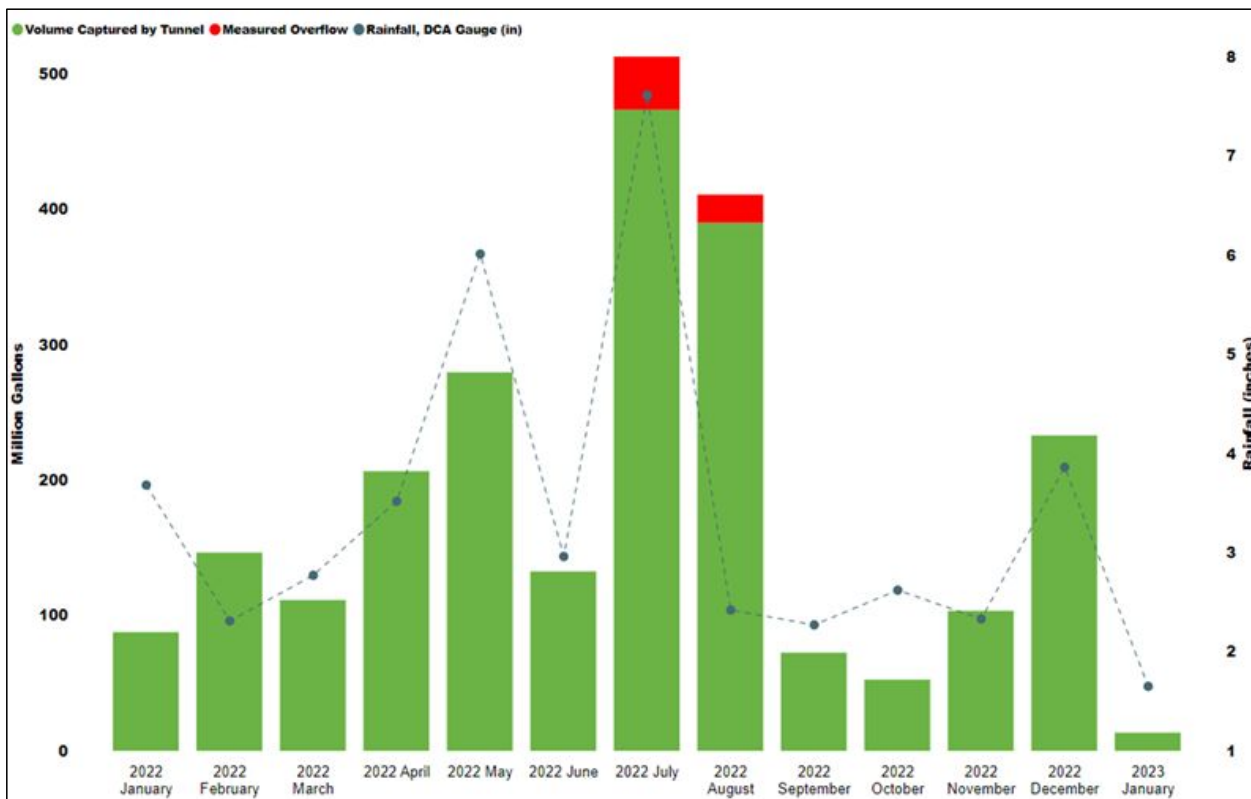


- All weekly and monthly NPDES permit requirements were met
- Average Outfall 002 flow: 302 MGD



# Operational Performance Tunnel Systems and Wet Weather Treatment

## Anacostia River Tunnel System Calendar Year 2022 Performance



## Total System Calendar Year 2022 Performance

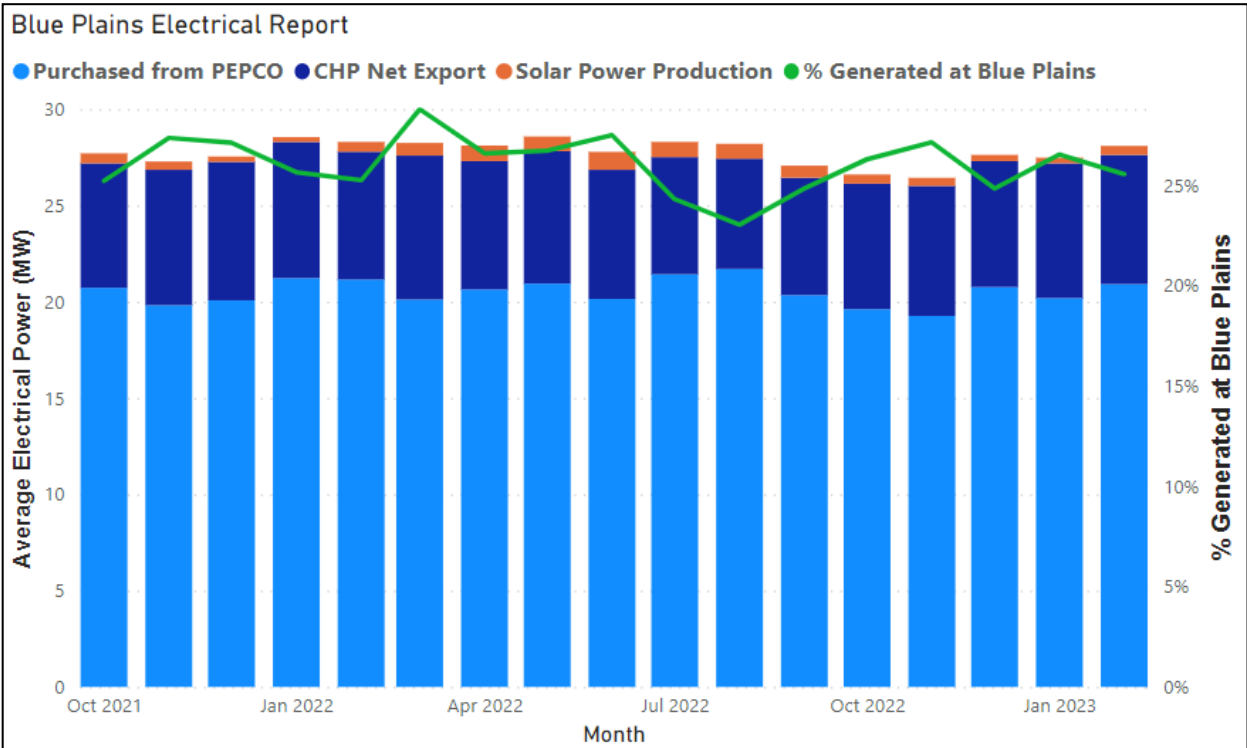
	Anacostia River Tunnel System	Total System
Number of events	5	64
Volume Captured, MG	2,289	2,730
Volume to CSO, MG	51	753
Percent Captured, %	97.8	78.4

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



# Operational Performance Electrical Energy Use and Generation

## Blue Plains Electrical Energy Use and Generation

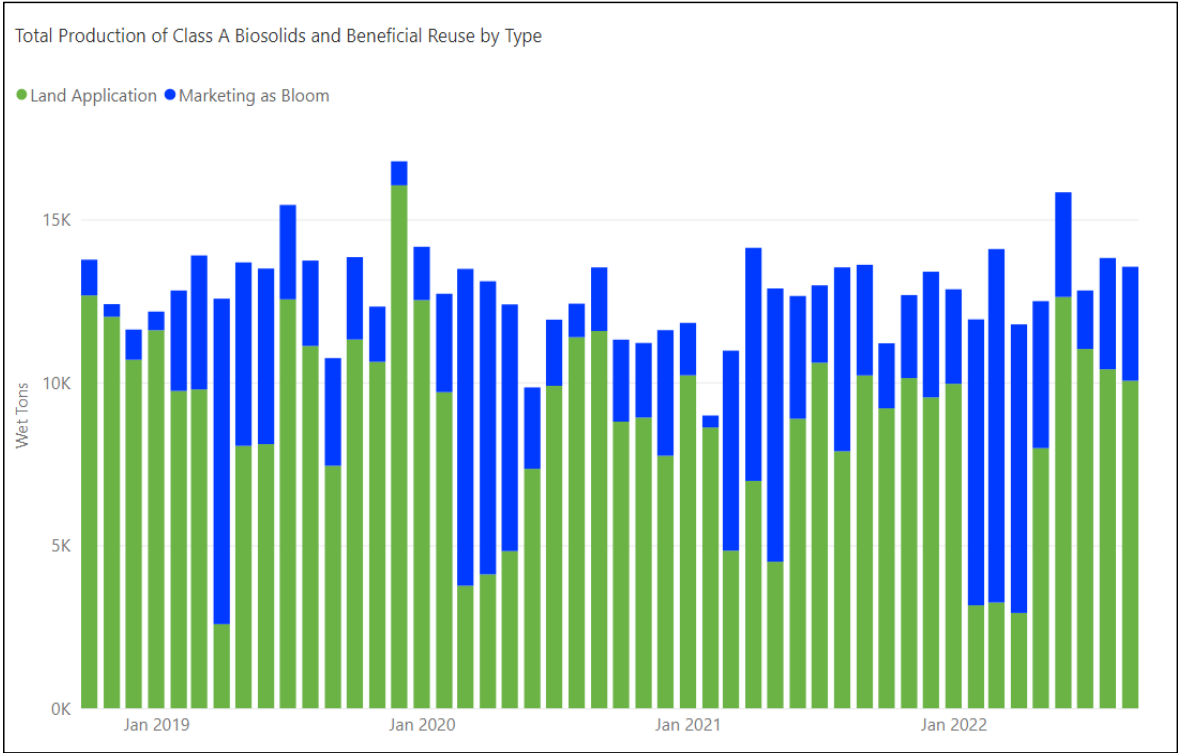


- 26% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 8.0 megawatts (MW), with 6.7 MW net to Blue Plains grid
- Solar System produced an additional 0.5 MW of power on average
- Total electricity consumption at Blue Plains averaged 28.1 MW
- DC Water purchased an average of 20.3 MW of electricity from PEPCO



# Operational Performance Class A Biosolids Production

## Total Production of Class A Biosolids and Beneficial Reuse by Type



- In February, a total of 13,280 of Class A Biosolids were produced and met EPA's Exceptional Quality (EQ) requirements
- In February, Blue Drop sold 9,778 tons of Bloom, which exceeded the goal of 7,308 tons
- FY 2023 total through the end of February is 21,259 wet tons
- Sales to peak during Spring and based on previous fiscal year actuals, marketing is on track to meet the 58,000 wet tons goal for FY 2023



# Operational Performance Teamwork to Maintain Safety and Reliability



## Strategic Objective:

Provide stewardship of the Authority's resources by delivering world class services valued by the customer, protecting the environment, and **providing for safety and well being of our employees**

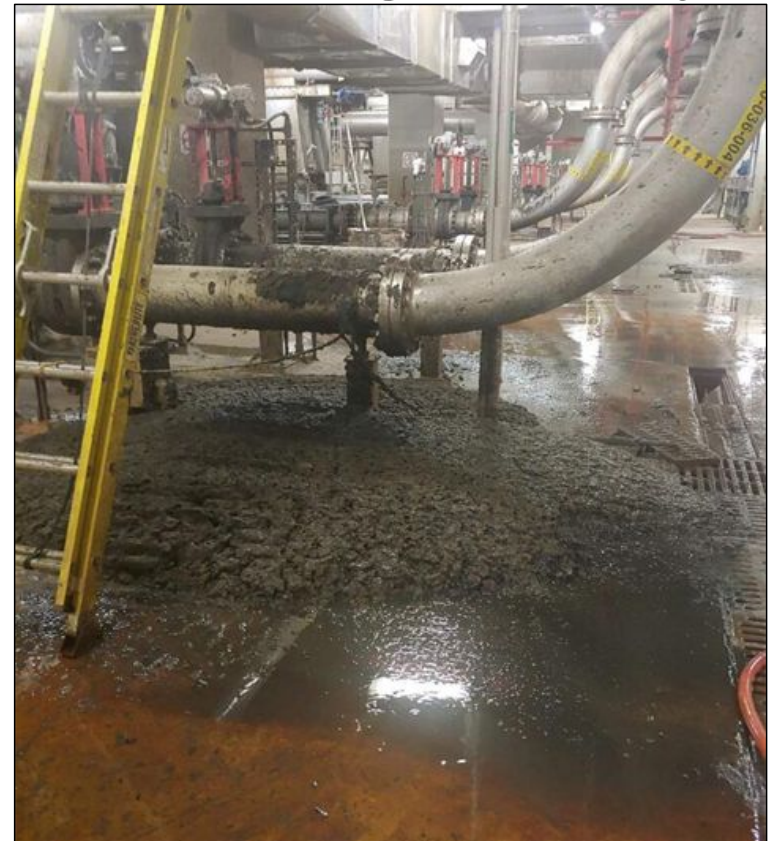
## Initiative:

Provide safe and clean working place by focusing on housekeeping and **eliminating sources of leaks.**

## Purpose:

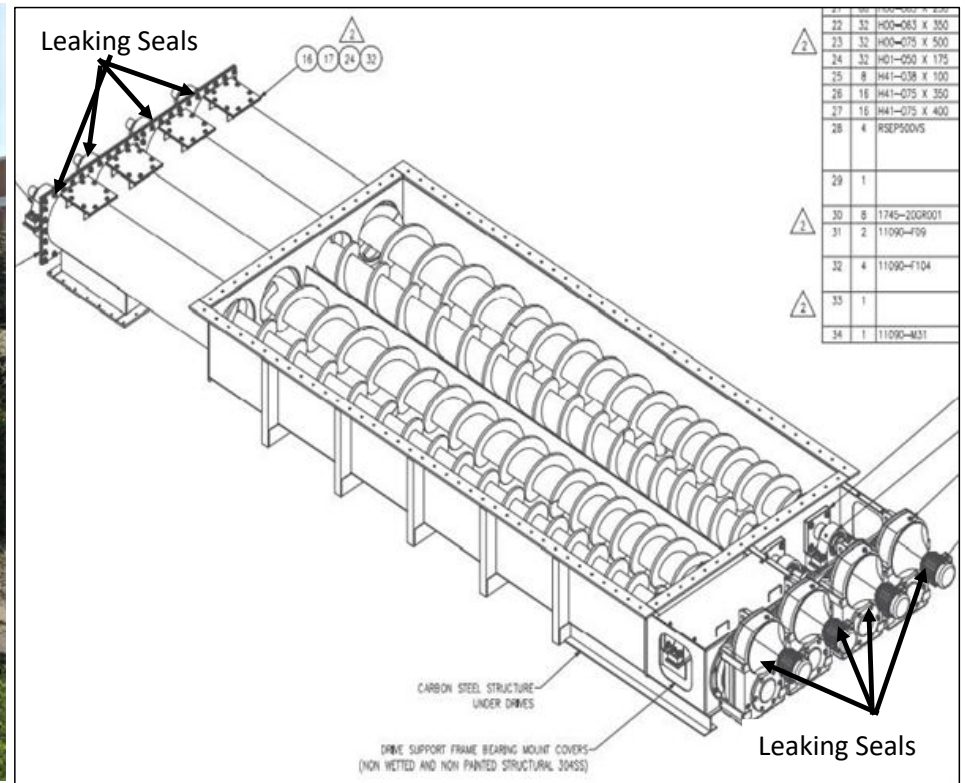
Maintaining a clean working place creates a safer work environment and improves morale of field staff.

## Cake Bin Sludge Seal Project



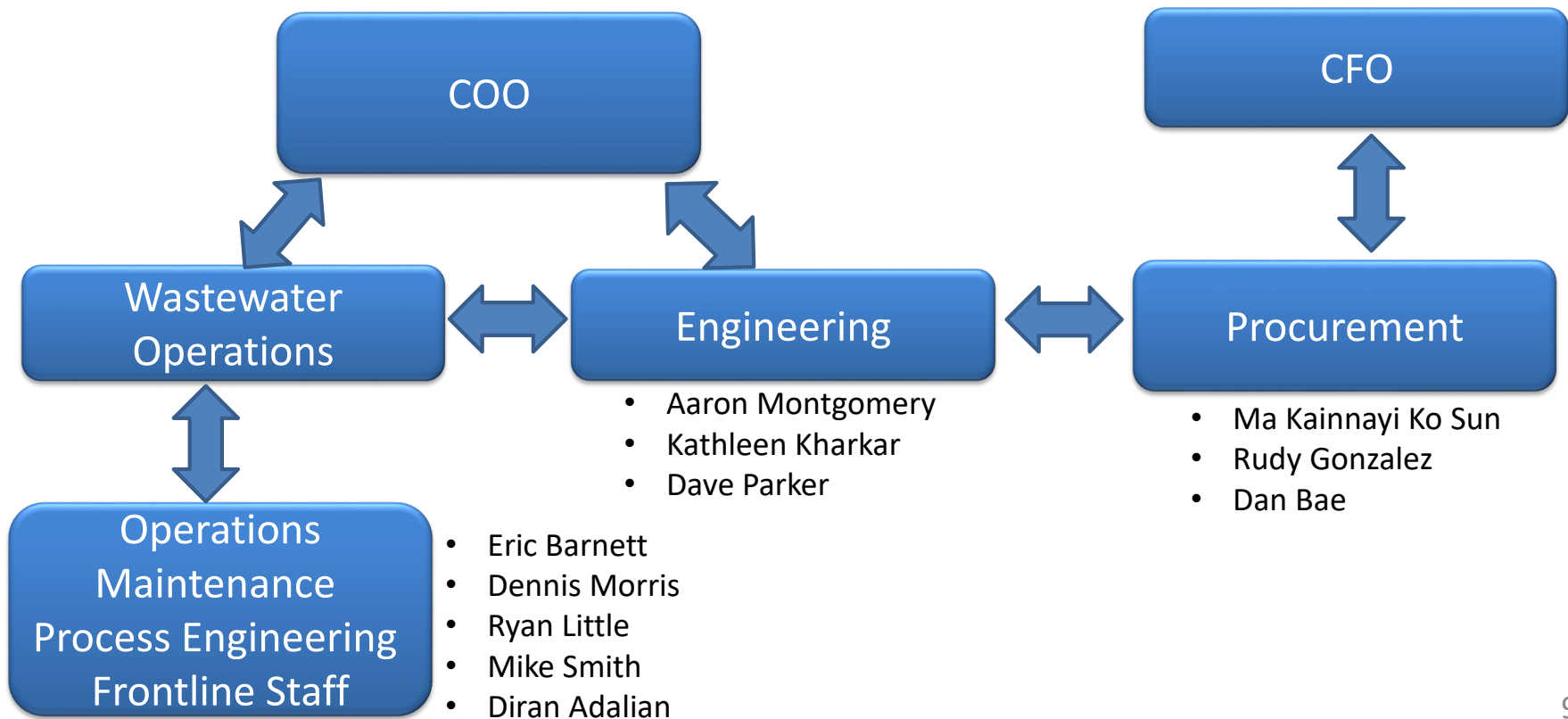
# Operational Performance Teamwork to Maintain Safety and Reliability

## Bottom-Up Teamwork and Root Cause Analysis



# Operational Performance Team Work to Maintain Safety and Reliability

## Vertical and Horizontal Alignment



# Operational Performance Team Work to Maintain Safety and Reliability

**Before**



**After**





# *DC Clean Rivers Quarterly Update*



DC Clean Rivers  
Environmental Quality & Operations Committee  
March 16, 2023



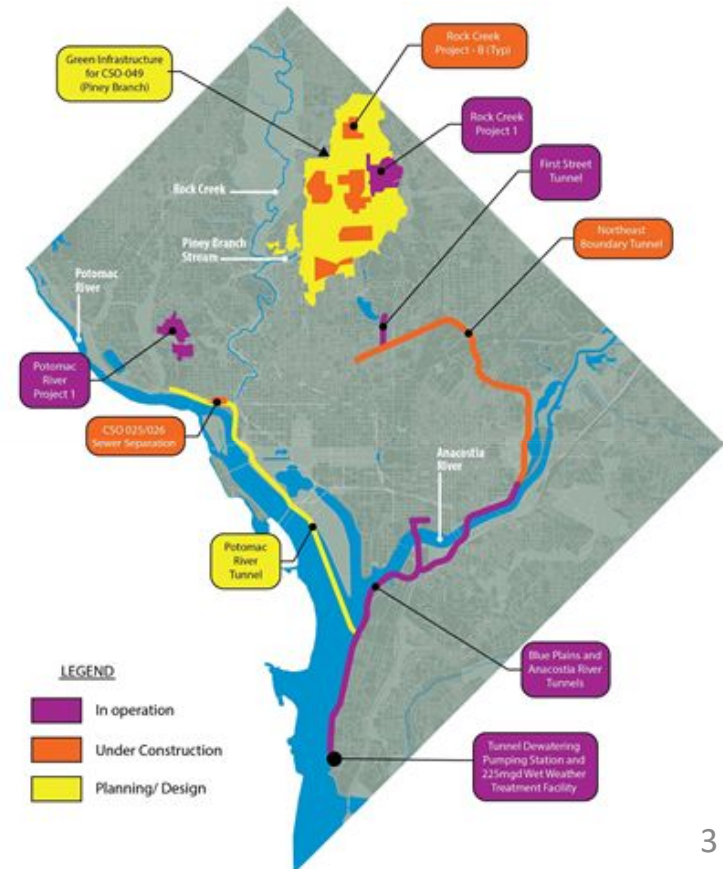
Moussa Wone, Director, Clean Rivers



# DC Clean Rivers Project Snapshot

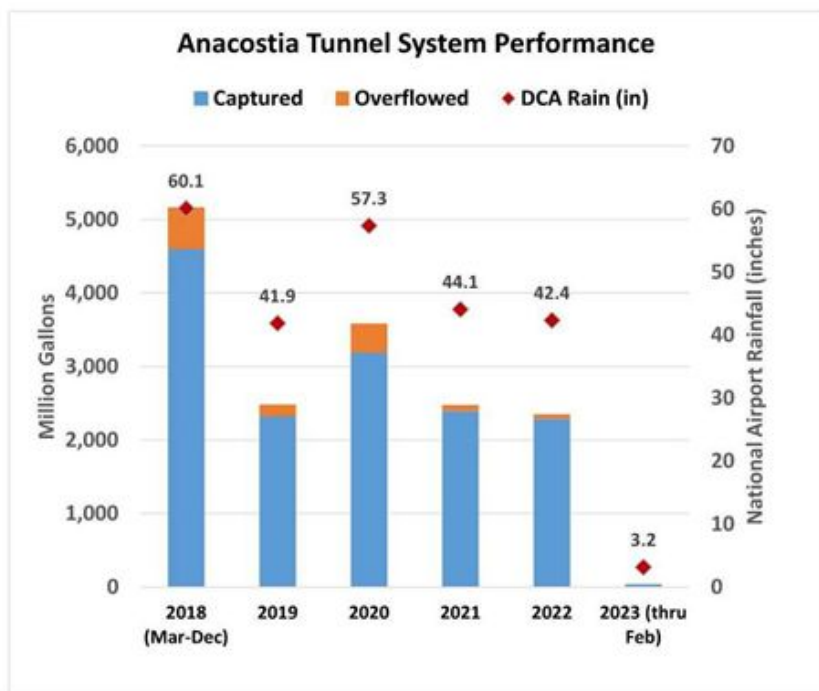


Area	Status
<b>Anacostia</b>	
Anacostia Tunnel System	<ul style="list-style-type: none"> <li>• More than 14.8 billion gallons captured</li> <li>• More than 9,267 tons of trash/debris removed</li> </ul>
Northeast Boundary Tunnel	<ul style="list-style-type: none"> <li>• Construction at drop shaft sites continues</li> </ul>
<b>Potomac</b>	
CSO 025/026 Separation	<ul style="list-style-type: none"> <li>• Completed separation work at 31<sup>st</sup> St. and Wisconsin Ave.</li> <li>• Advancing Structure 44 modifications</li> </ul>
Potomac Tunnel Advance Utility Construction	<ul style="list-style-type: none"> <li>• Completed duck bank work at CSO 024 and 027</li> <li>• Working at Georgetown University</li> </ul>
Potomac Tunnel Construction	<ul style="list-style-type: none"> <li>• Collaboration period completed.</li> <li>• Four design-bid teams preparing cost and technical proposals, due in April 2023</li> </ul>
<b>Rock Creek</b>	
Green Infrastructure (GI) Project B	<ul style="list-style-type: none"> <li>• Twenty Alley Permeable Pavement (APP) and twelve Planter Bioretention (PBR) facilities have been completed while six APPs and two PBRs facilities are currently under construction</li> <li>• Total contract has 48 APPs and 19 PBRs</li> </ul>





# Anacostia Tunnel System Performance



Over **14.8 billion gallons** captured Mar 2018 – Feb 2023  
 Over **9,267 tons of trash**, debris, and other solids captured  
 Exceeding predicted capture rate (92%>80%)

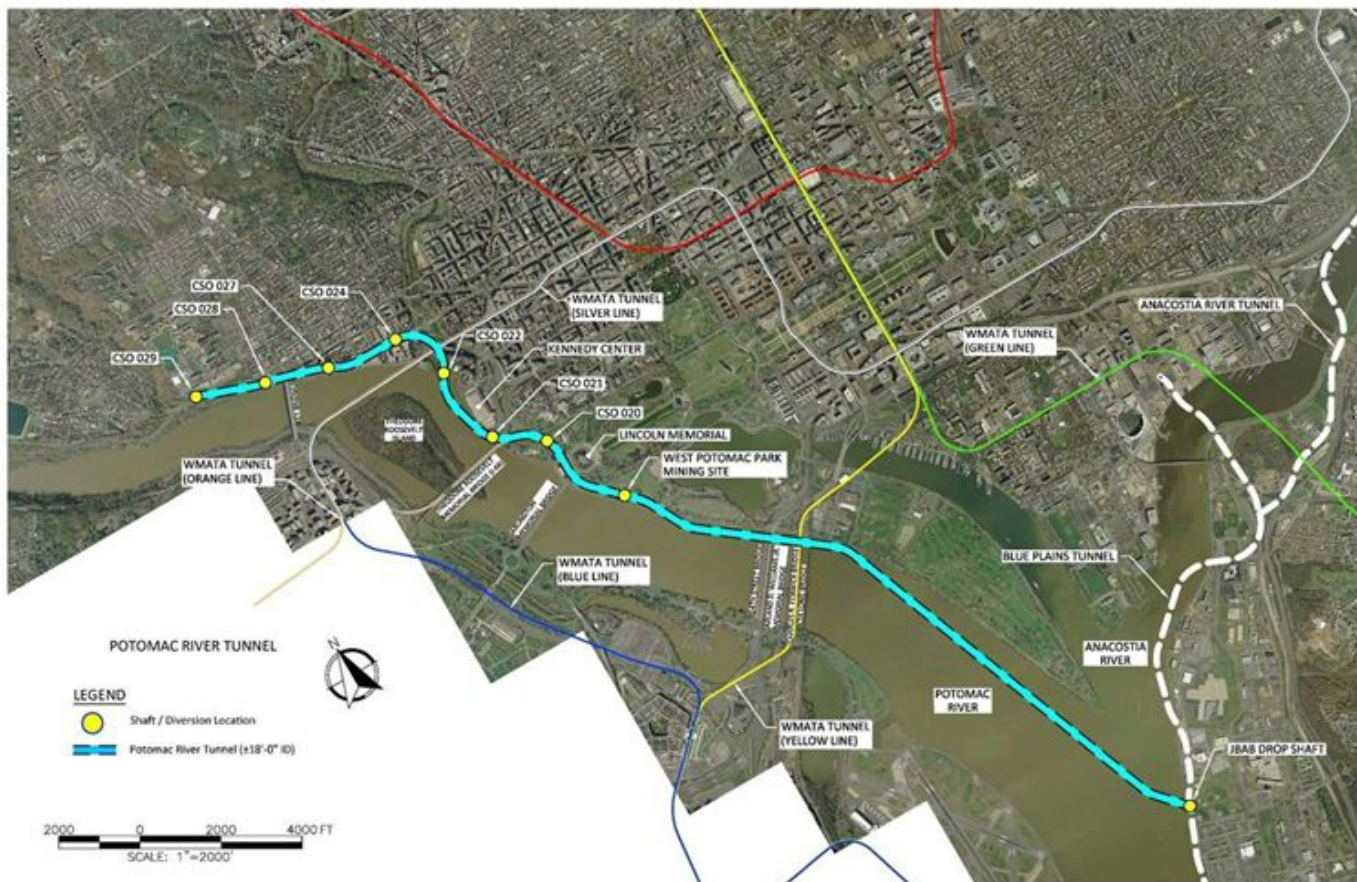


**Trash, Debris and Solids Removal from Screening Shaft at Tunnel Dewatering Pumping Station**





# Potomac River Tunnel



## Tunnel Contract

### (Best Value Design-Build):

- ✓ RFQ: completed May 2022, four teams short listed
- ✓ RFP: issued June 2022
- ✓ Collaboration: Completed
- Proposals due: April 2023
- NTP: November 2023
- Place in Operation: February 2030

## Construction Management

### Services:

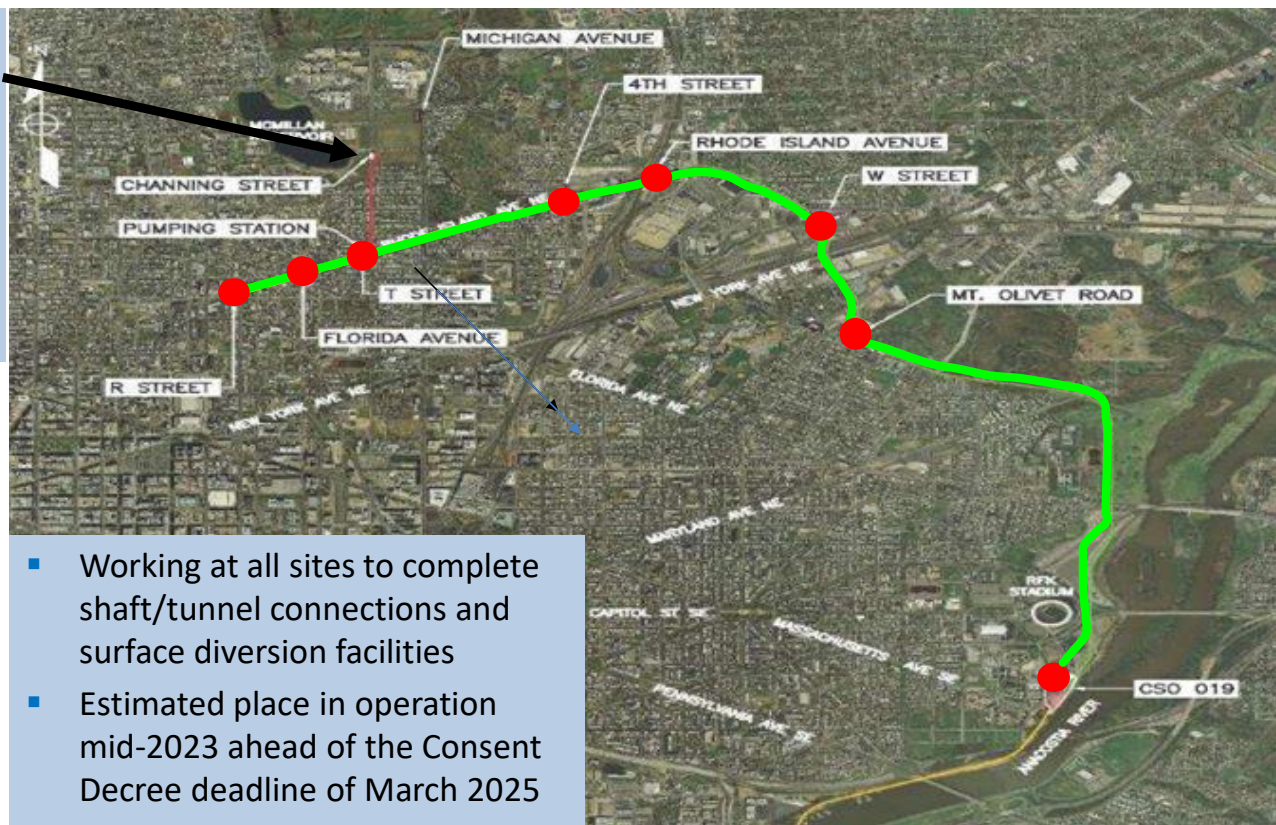
- ✓ Industry outreach: June 2022
- ✓ Pre-submittal meeting: Aug 2022
- ✓ Quals/Tech proposal: Received Oct 2022
- Scoping/contract negotiations; underway
- NTP: Aug 2023



## Division J – Northeast Boundary Tunnel Construction Progress



First Street Tunnel taken out of service Dec '22 to Feb '23 to perform preliminary work in advance of commissioning the Northeast Boundary Tunnel. Tunnel placed back in service Feb 28, 2023.



- Working at all sites to complete shaft/tunnel connections and surface diversion facilities
- Estimated place in operation mid-2023 ahead of the Consent Decree deadline of March 2025



## 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.

Estimated completion date is late 2023.

Duct banks have been completed along Independence Avenue, at CSO-020, CSO-024, CSO-027 and CSO-028.

Electrical manhole and duct bank construction at CSO-029 at Georgetown University started on February 1, 2023, and is ongoing.



**Installing CSO-029 Electrical Manhole at Entrance to Georgetown University**



## CSO 025/026 Sewer Separation



- Site 1: 31<sup>st</sup> Street  
Final pavement restoration has been completed
- Site 2: Wisconsin Avenue  
Final pavement restoration has been completed
- Site 3: Structure 44  
Structure 44 excavation complete. Formwork and rebar installation to commence week on March 6th.

Continuing to coordinate with the community to minimize construction impacts



**Finished Pavement at the Intersection of Wisconsin Avenue and K Street**



# Green Infrastructure Rock Creek Project B



## Consent Decree Requirements

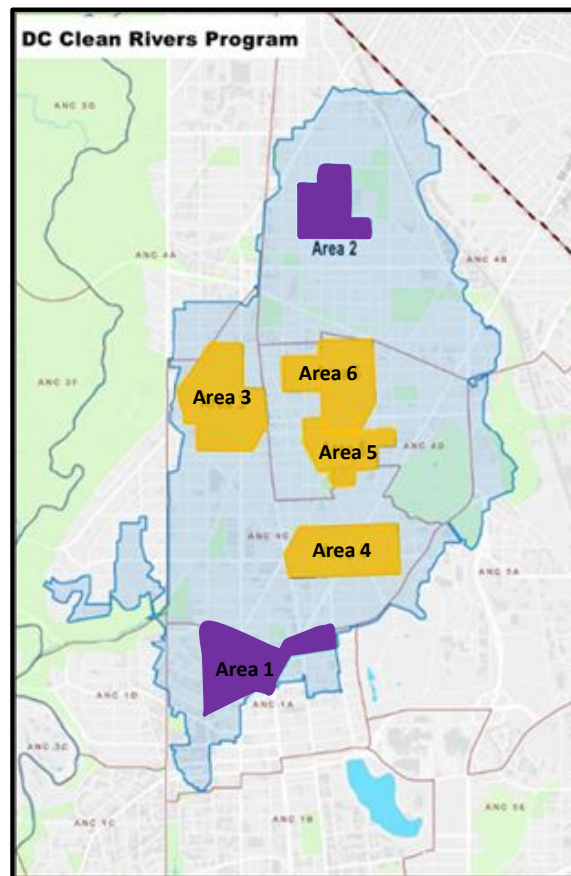
Manage 22 impervious acres with GI  
Place in operation by January 23, 2024

## Construction Status

- Area 1 – Columbia Heights  
All facilities completed
- Area 2 – Takoma DC  
All facilities completed
- Area 3 – 16<sup>th</sup> St Heights  
Eight Alley Permeable Pavement completed , four in construction
- Area 4 – Grant Circle  
Two Alley Permeable Pavement completed, one in construction  
Four Planter Bioretentions completed
- Area 5 – Sherman Circle  
Six Planter Bioretentions completed, one in construction
- Area 6 – Brightwood Park  
Four Alley Permeable Pavement completed, one in construction  
One Planter Bioretention under construction

### Legend

- In operation
- Construction





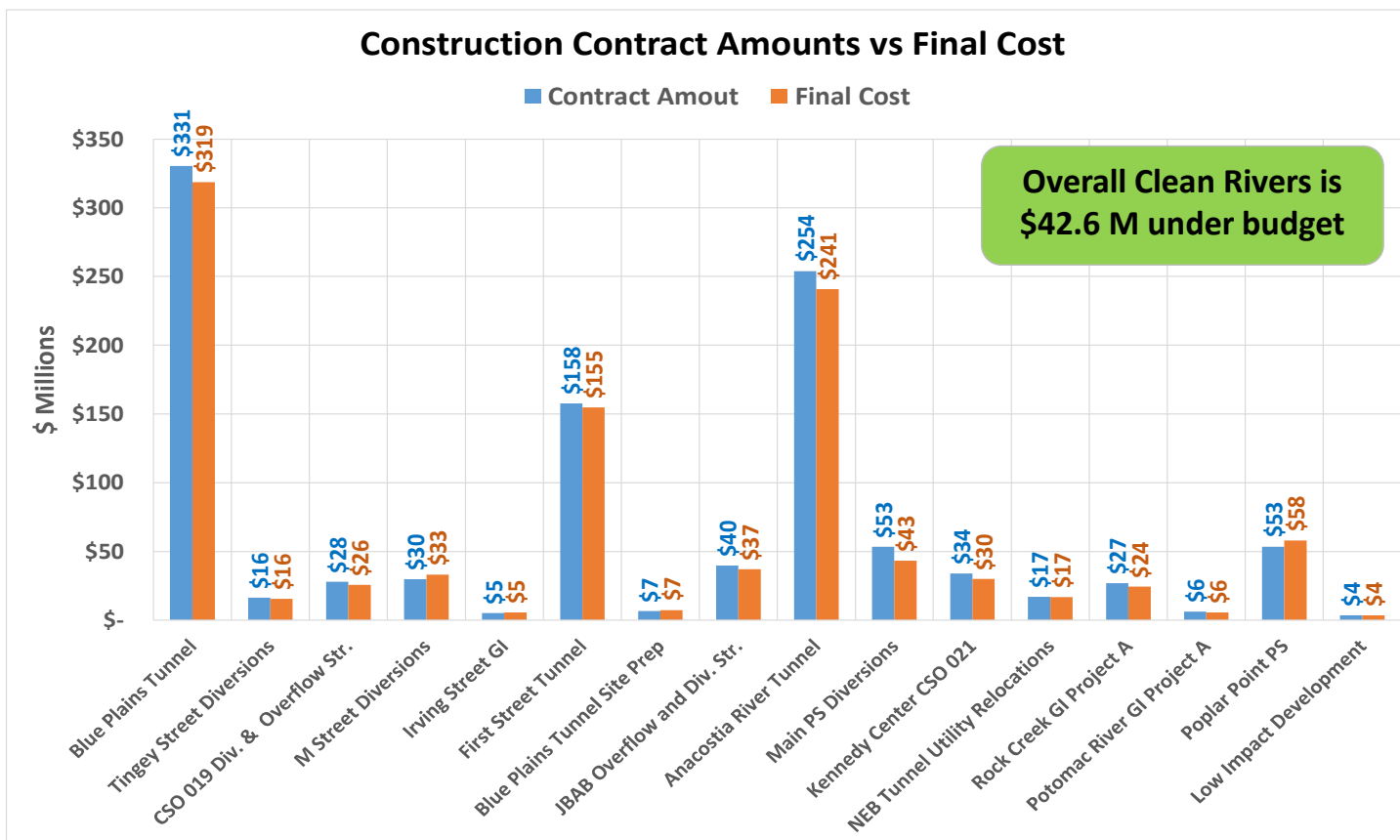
## DC Clean Rivers Public Outreach Efforts



Category	Activities
<b>Community Partnerships</b>	<ul style="list-style-type: none"> <li>• The partnerships with the three Main Street organizations to address impacts on businesses near the NEBT construction sites will continue through Spring 2023. The final disbursement of grant funding has been distributed to over 40 impacted businesses.</li> <li>• Hosted two Staff Appreciation Lunches at NEBT construction sites in 2023, purchasing 50 meals from DCity Smokehouse in January, and 30 meals from Fish King in February.</li> <li>• The PR-C and PRT-A projects coordinated pedestrian and bicyclist safety enhancements with the Georgetown Business Improvement District (BID) for the annual GLOW Light Art Experience and coordinated with the Washington Area Bicyclist Association (WABA) for impacted bike lanes.</li> </ul>
<b>Key Meetings &amp; Approvals</b>	<ul style="list-style-type: none"> <li>• Briefed ANCs and civic associations about the NEBT status: ANC 2G, February 9, 2023; Edgewood Civic Association, February 27, 2023; and ANC 5F, February 28, 2023.</li> <li>• Began Piney Branch Storage Project NEPA process with a public scoping meeting on January 18, 2023, and a 30-day public comment period from January 18 to February 16, 2023.</li> <li>• The PR-C and PRT-A projects briefed the Georgetown BID on the projects on February 6, 2023. ANC 2E Commissioner was provided with bi-monthly updates on DC Water construction activities.</li> </ul>
<b>Community Outreach Program</b>	<ul style="list-style-type: none"> <li>• Commissioner Robert Brannun requested that DC Water offer Tree Box Rails to residents in the 100-block of Adams Street NW. Clean Rivers will install eight fences between March 6 and 13, 2023, on behalf of the Small Diameter Water Main Replacement in Bloomingdale, Phase 2.</li> <li>• Continued to coordinate Rock Creek Project B construction of alley permeable pavement and bioretention green infrastructure in ANC 4C, ANC 4D, and ANC 4E</li> <li>• Coordinated dismantling, removal, and replacement of restaurant streateries with Mr. Smith’s and Suseria during construction site restoration.</li> </ul>



# Clean Rivers Budget



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

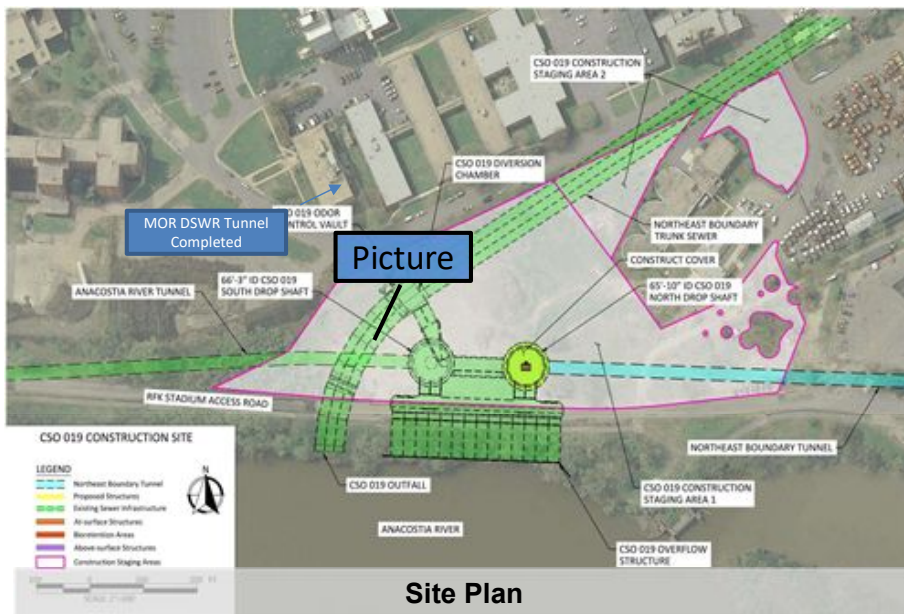


# Northeast Boundary Tunnel Surface Work Detailed Updates





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



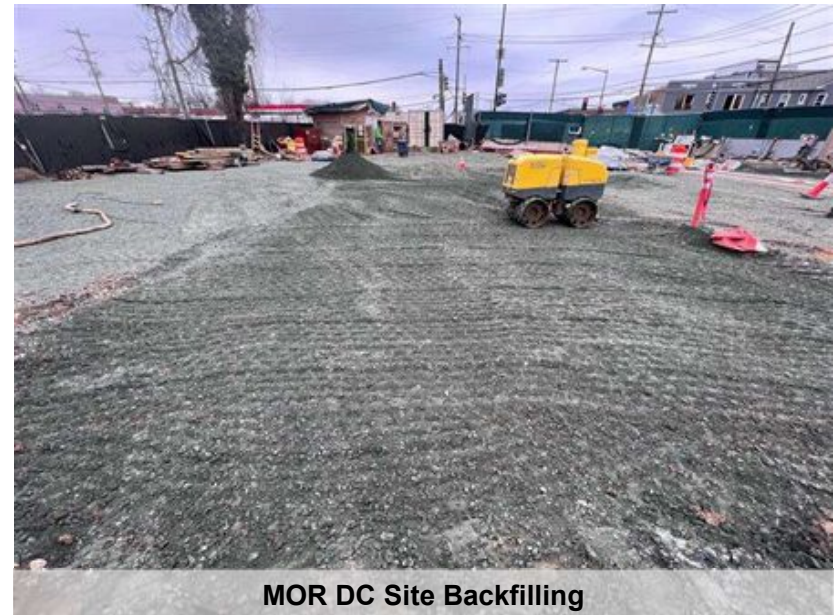
- Rebar and concrete placement for tunnel collar at shaft interface completed
- Rebar and concrete for invert in North Shaft completed.
- Site restoration work ongoing.



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



Site Plan



MOR DC Site Backfilling

## Drop Shaft Site

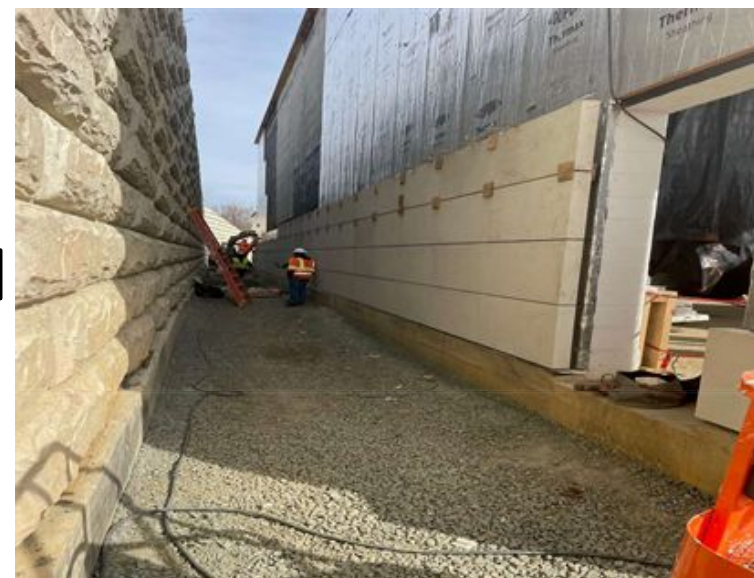
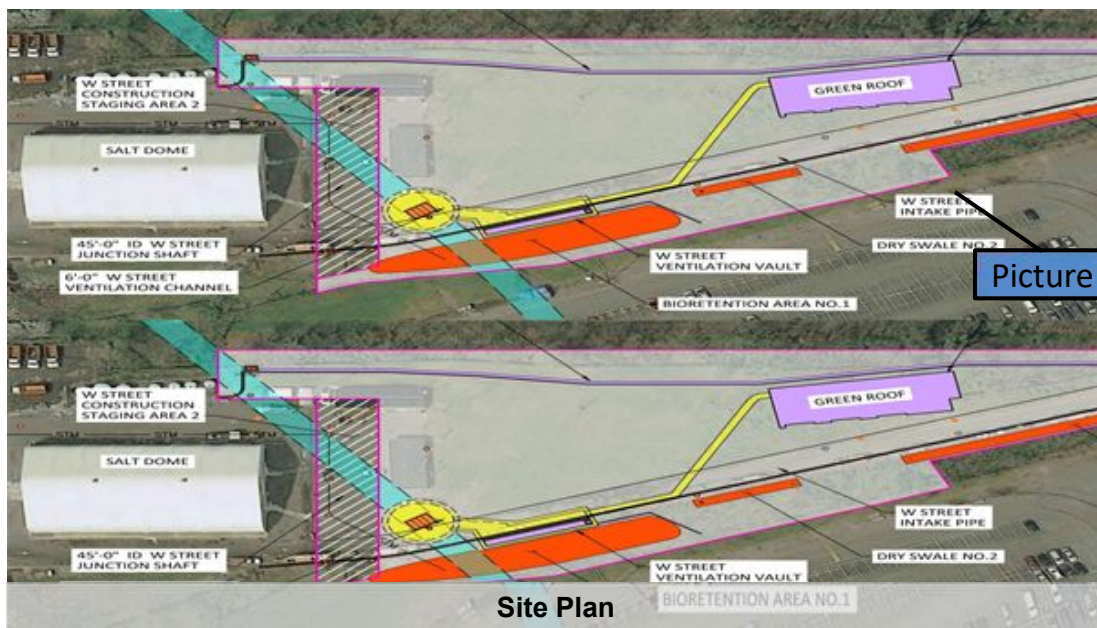
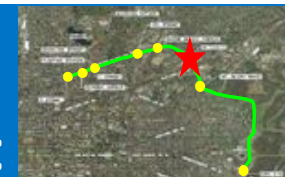
- Shaft cover installation is complete. Demolition and removal of Shaft SOE & sacrificial liner to the required extent is also complete. SIH is preparing to commence bioretention work.
- Ventilation Control Vault electrical conduits, junction boxes and light fixtures installation is complete. Wiring and termination is also nearly complete.

## Diversion Site

- Construction of Diversion Chamber structure is complete. Construction of Junction Manhole, two Inlet structures and three STDSWRs is also complete. SOE was removed 5 feet below grade. Backfilling is nearly complete.
- Site restoration is ongoing.



# Division J – Northeast Boundary Tunnel Construction Progress: W Street

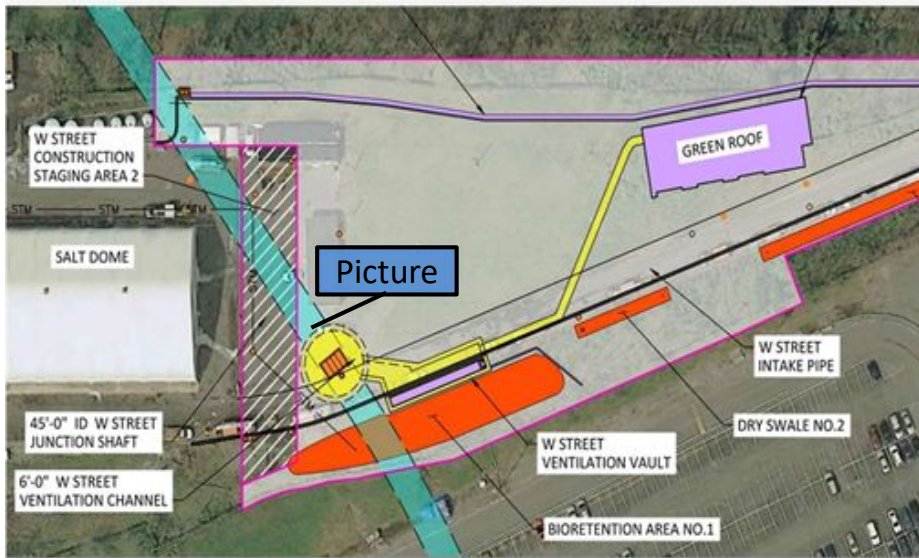


Ventilation Control Facility

- Completed Wing Wall Construction
- Completed the 8" City Water Line
- Commenced Retaining Wall and Wing Wall Backfill
- Continue Ventilation Control Facility (VCF) Mechanical, Electrical and Plumbing Work
- Commenced VCF Exterior Precast Panel Installation



## Division J – Northeast Boundary Tunnel Construction Progress: WS Inline Connection



Site Plan

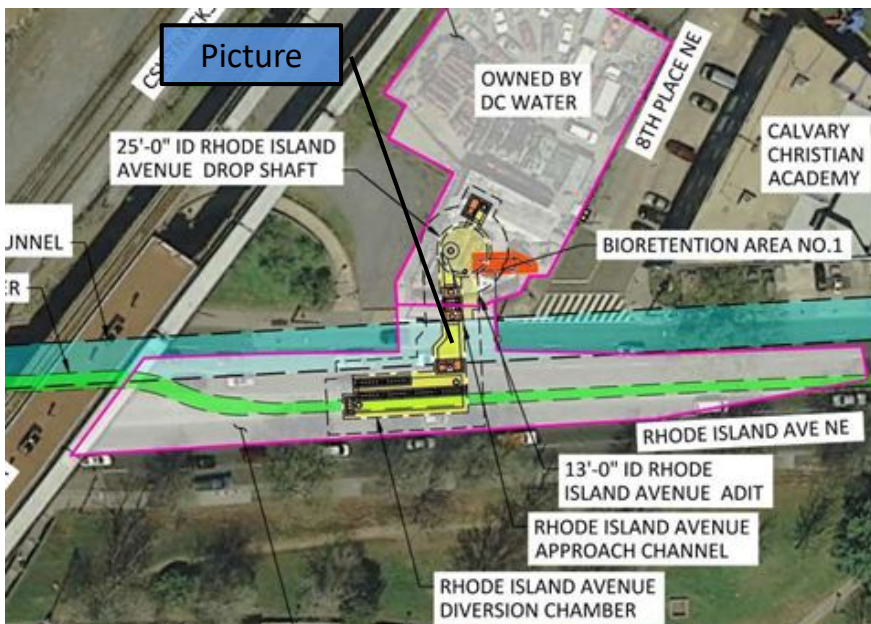


W Street In-Line Connection

- WS In-Line Connection: Downstream collar pours 1 & 2 are complete. Upstream collar set up for pours 3 & 4 are on going
- Installing waterproofing at collar pours



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



Site Plan

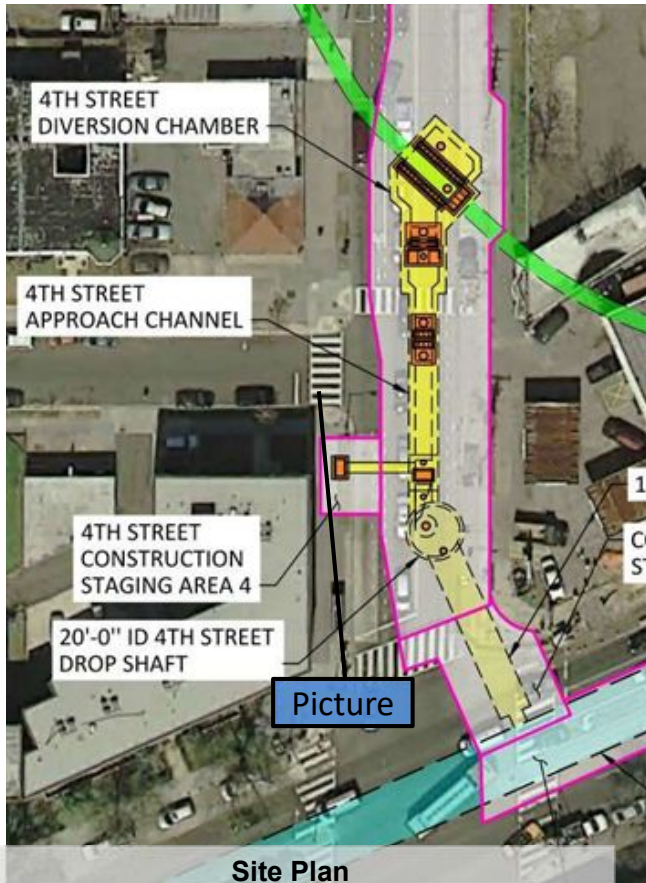


Approach Channel Construction

- Approach Channel Excavation is complete
- Approach Channel Concrete Work is ongoing
- Completed installing the Drop Shaft Cover
- Starting construction of Stormwater Inlet No. 1 along westbound lane of Rhode Island Avenue



# Division J – Northeast Boundary Tunnel Construction Progress: 4<sup>th</sup> Street

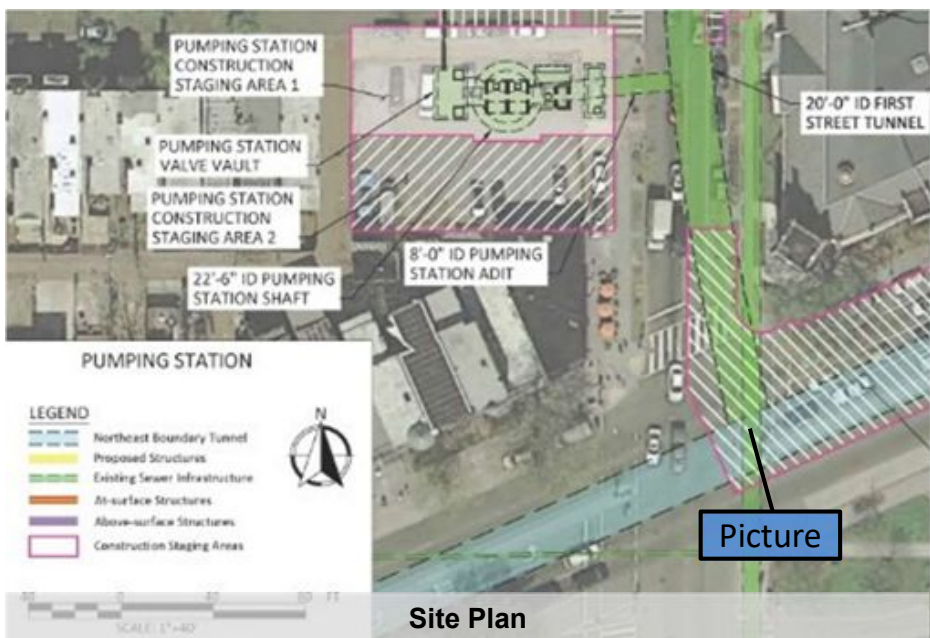


**4<sup>th</sup> Street Restoration**

- Completed Construction of Ventilation Vault 2
- Completed Re-pavement of 4<sup>th</sup> Street
- Commenced Rhode Island Avenue Median and Sidewalk restoration



# Division J – Northeast Boundary Tunnel Construction Progress: First Street Tunnel



Picture

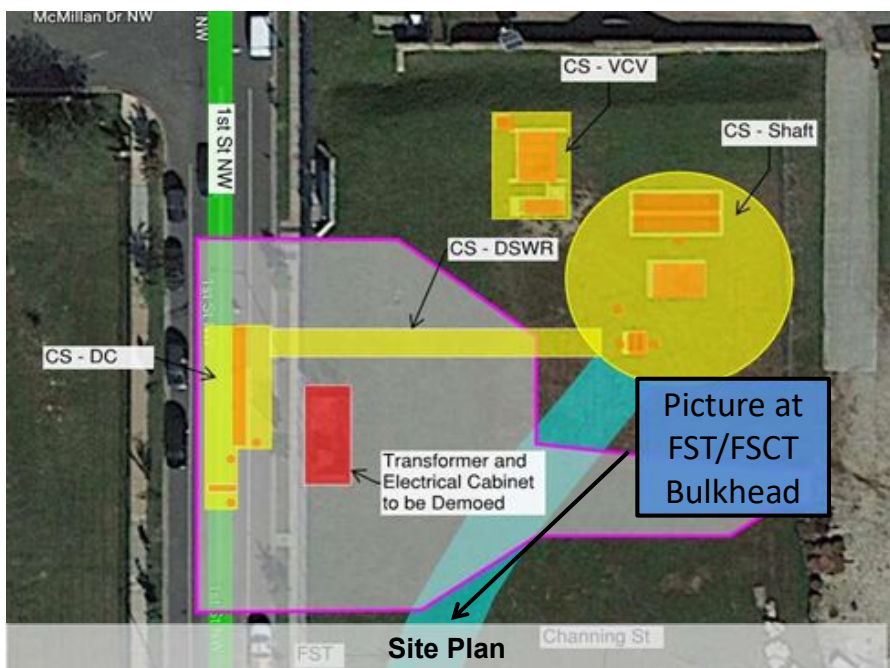
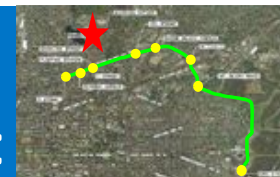


**FSCT Connection**

- First Street Adit Connection: TBM dismantling is complete, and CIP Liner has been placed. Back fill grouting is complete.
- Point and Patching is ongoing.



## Division J – Northeast Boundary Tunnel Construction Progress: Channing St



Demolished FST Cunette

- Completed FST Tunnel Clean-Up and Cunette Demolition on February 22 and tunnel back in service.
- Demobilization of the Channing St CSA on-going.





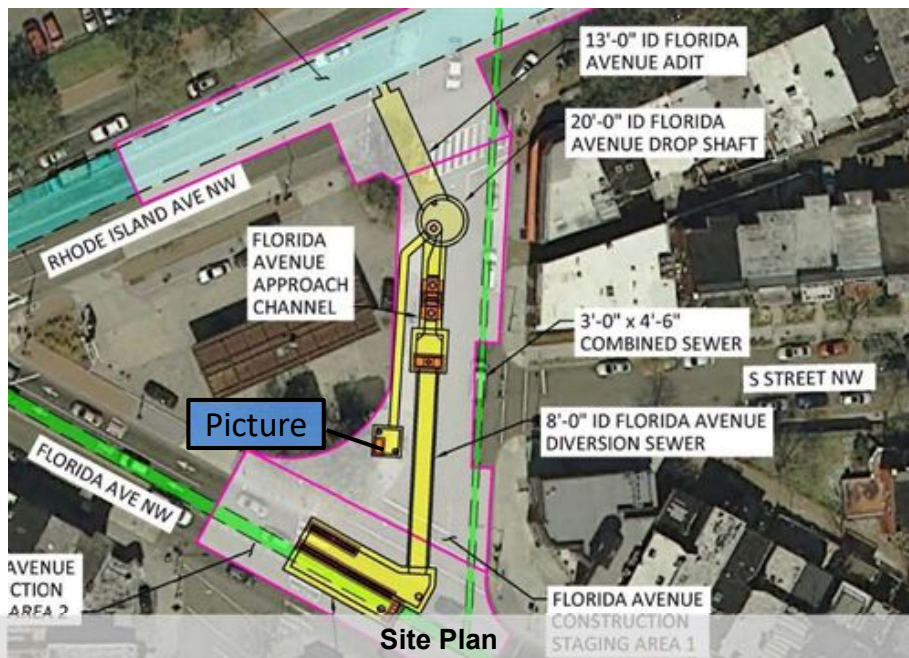
## Division J – Northeast Boundary Tunnel Construction Progress: T Street



- Completed Inlet 1 in CSA1. Completed temporary restoration of CSA2.
- Mobilized to CSA3. Installed micro-piles and lagging support of excavation system. Completed excavation. Completed installation of remaining STDSWR3 and Inlet 3 base-slab.
- Inlet 3 CIP walls on-going. Prepped for installation of Bioretention Area 1 in CSA1.



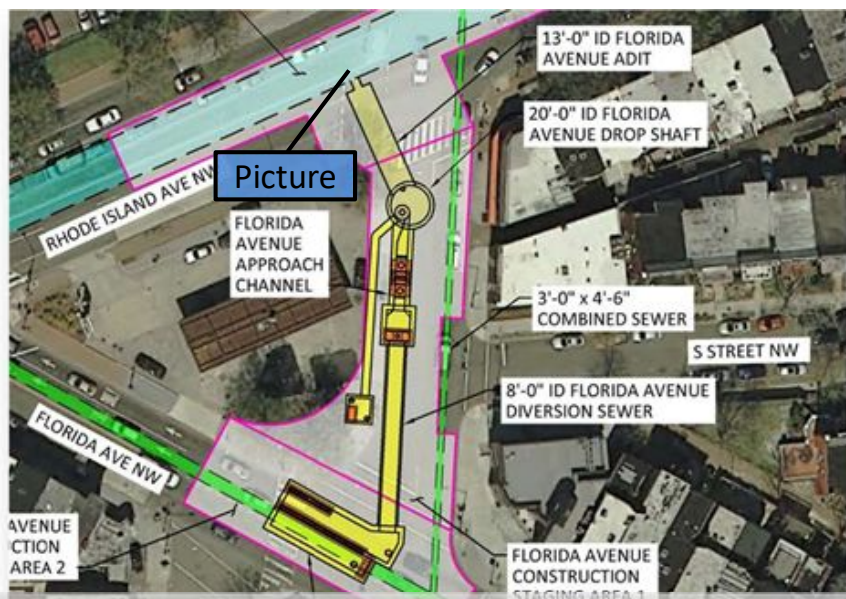
## Division J – Northeast Boundary Tunnel Construction Progress: Florida Ave



- Completed CIP installation of the Adit Vent Shelf, Shaft HTC base-slab, Shaft Vent Riser, Shaft Drop Pipe, and connection to the Approach Channel.
- Excavated, installed SOE, and placed concrete for the Ventilation Vault. Vent Pipe Installation on-going.
- Completed site restoration along Florida Ave and returned CSA2 to the public.



## Division J – Northeast Boundary Tunnel Construction Progress: FLA NEBT / Adit Repair



Site Plan

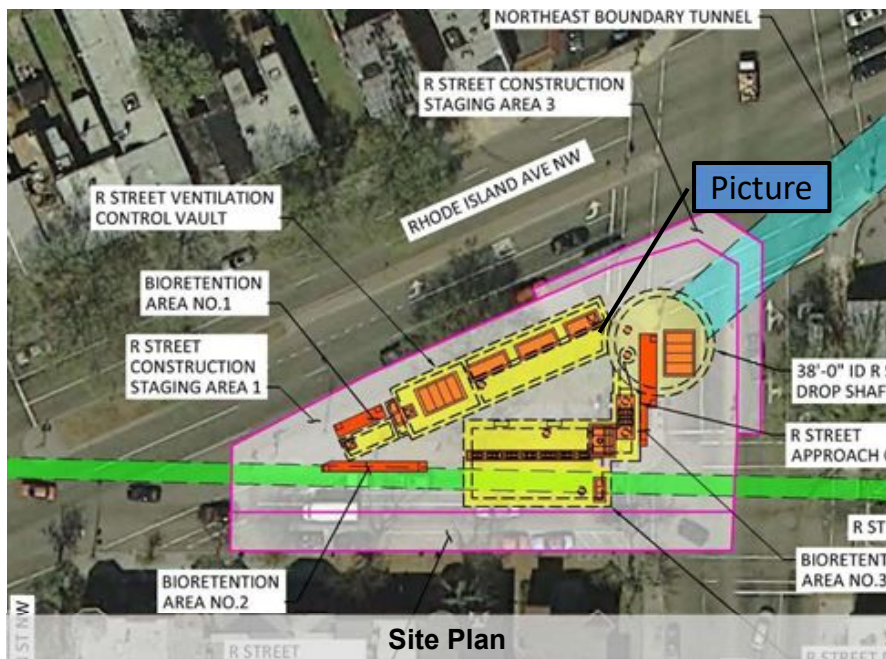


FLA Adit Repair

- FLA NEBT Connection: All temporary support has been removed. CIP Liner installation and adit connection is ongoing.



## Division J – Northeast Boundary Tunnel Construction Progress: R Street



- Completed excavation. Completed Ventilation Control Vault and Power Distribution Control Vault CIP concrete (except for PDCV Intake Chamber curbs). Removed upper support of excavation.
- Began installation of mechanical and electrical equipment.



## Rock Creek Project B (Green Infrastructure) Detailed Update



## Green Infrastructure Rock Creek Project B



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



## Green Infrastructure Rock Creek Project B



- Twelve Planter Bioretentions within the sewershed have passed their functional test and are providing a performance benefit
- An additional two bioretentions are under construction and another five are planned



# *Lead Free DC Quarterly Update*





Lead Free DC Quarterly Update  
Environmental Quality & Operations Committee  
March 16, 2023



William Elledge, PE, Director, Engineering and Technical Services



# Agenda

FY23 Highlights to Date

Business Development

Key Activity Status

Construction Progress

Dashboard



Jonathan M. Rogers @JRogers202

Going lead free today (for free)! Thanks @dcwater #LeadFreeDC



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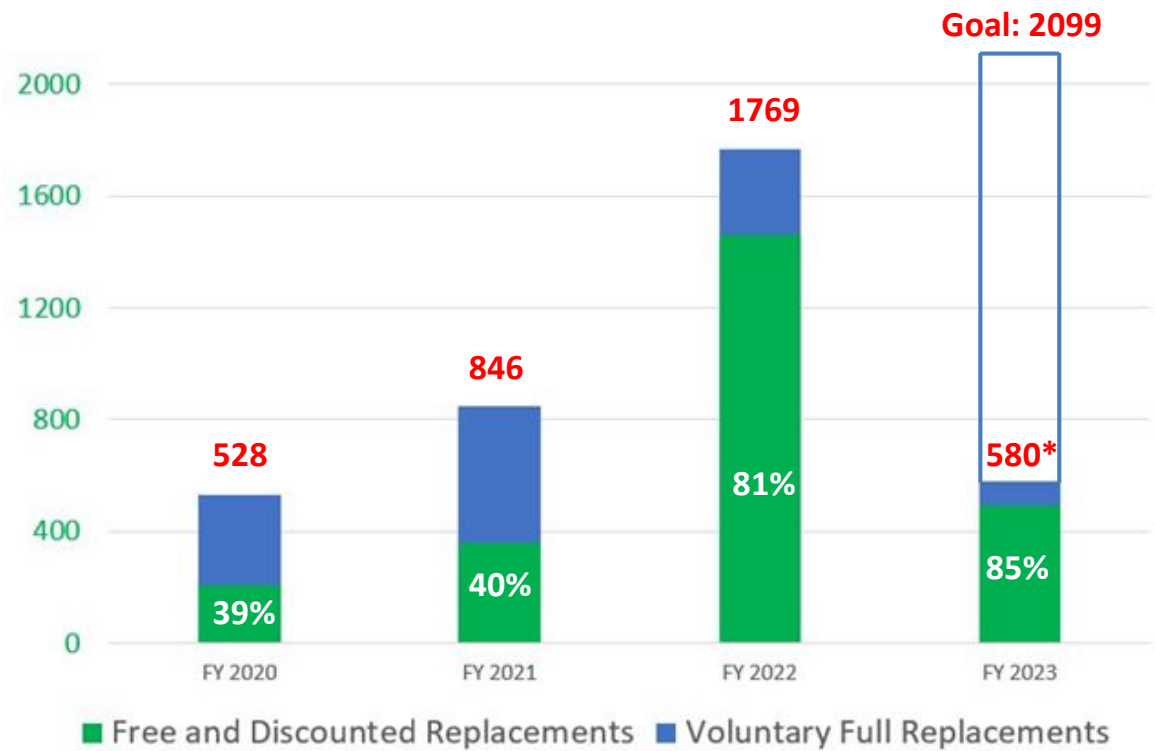




## FY23 Highlights to Date

### Overall Program (FY20-FY23)

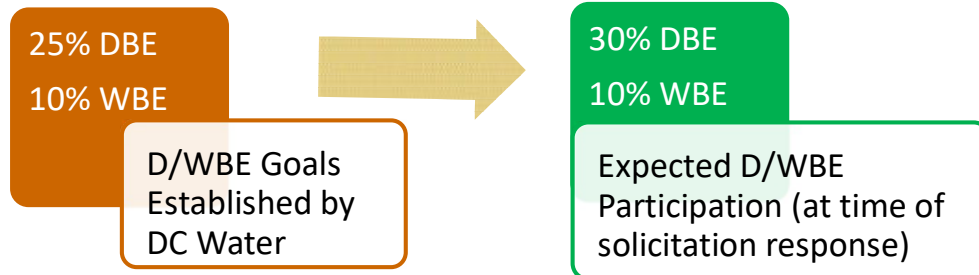
Total Replacements **3,700+ LSL**  
 Free and Discounted **2,500+ LSL**  
 Savings for Customers **\$6.7+ mil**



\*Total Replacements Through 2/21/23



## Business Diversity and Inclusion Programs



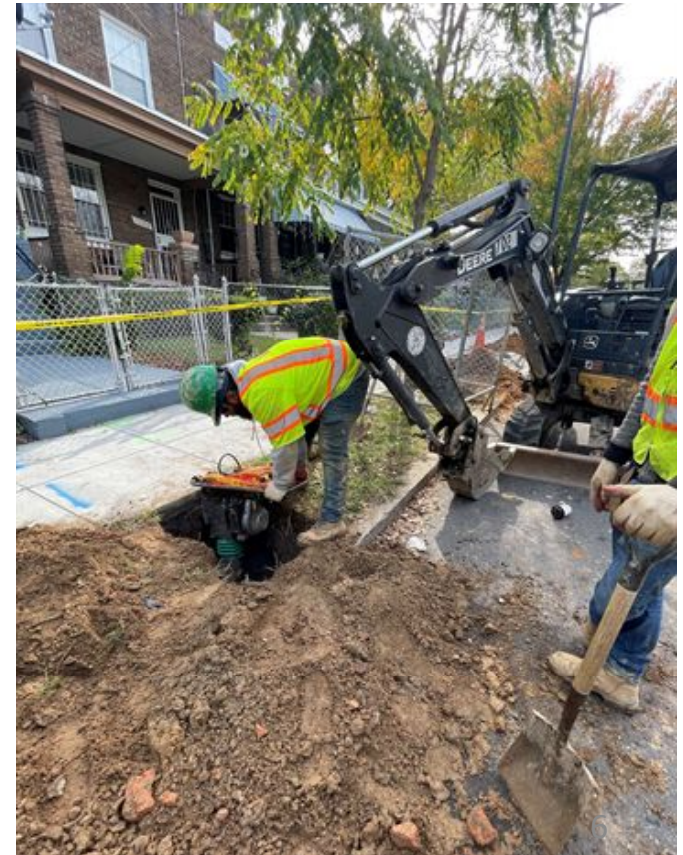
- 40% Certified Firm Participation
- 13 certified firms working on the project
  - 10 Local Certified Firms
- Two Certified firms will participate in the Mentor Protégé program.
- Local certified firm leading the Community Outreach Initiatives.





## Key Activities Completed FY23 Q2

- 1/2: Transition between WPM and LFG complete
- Subconsultant partners Integrated into LFG team
- LFG Mobilized into offices at BP WWTP
- Permitting and Public Outreach for Packages 5 and 6
- Submitted BIL Intended Use Plan (Feb)
- Initiated LFDC SDWM Design
- Approval from BoD for MSA Contractors
- Initiated LSR Design for MSA Contractors
- Kickoff for DOES Community Activators Collaboration
- 3/9: LFG Follow Up Charting Session
- 3/13: MSA Contractor Onboarding Workshop





## Key Activities Planned for Near Term

- Continue ANC and CBO Meetings Aligned with Packages 5/6
- Continue Onboarding MSA Contractors for LSL Replacements
- Bidding of 4 new LSLR contracts – March/April
- Restoration/Paving of FY22-23 completed blocks March-August
- Start of Construction Package 5/6 LSL Replacement Work
- Start of Permitting and Outreach for Packages 7-10
- DOES Community Activators Training and Onboarding
- Marketing and Advertising Planning and Message Testing





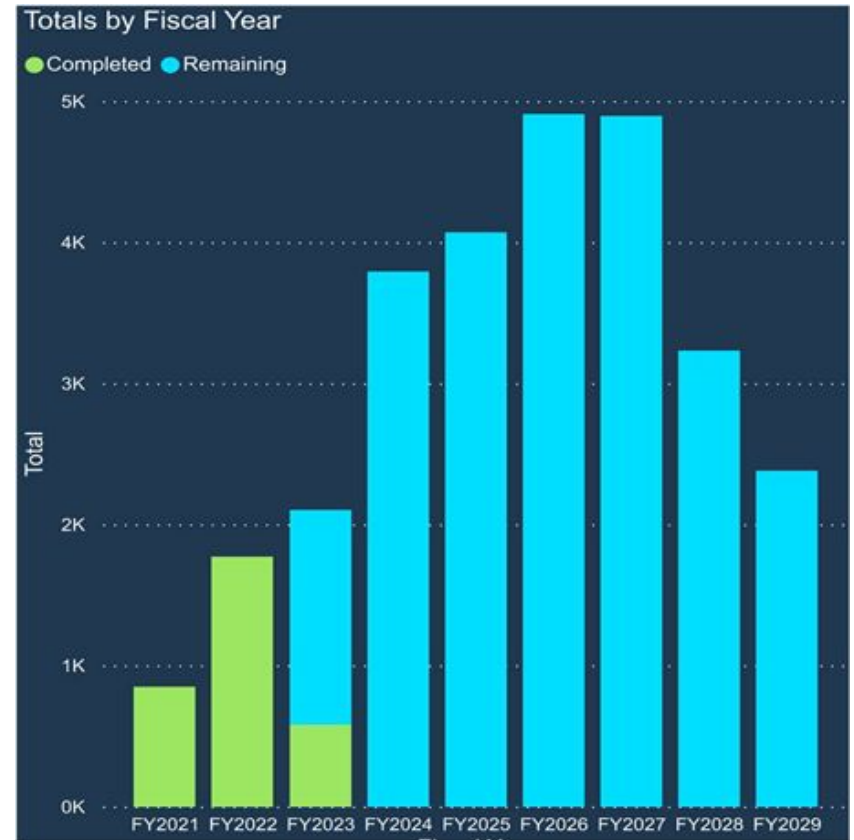
## Construction Progress

- Completing Final Test Pits and LSRs from FY22 Change Order Contracts
- Coordinating with Contractors and DDOT to complete final restoration of FY22 blocks
- Preparing for NTP for FY23 Change Order Contracts





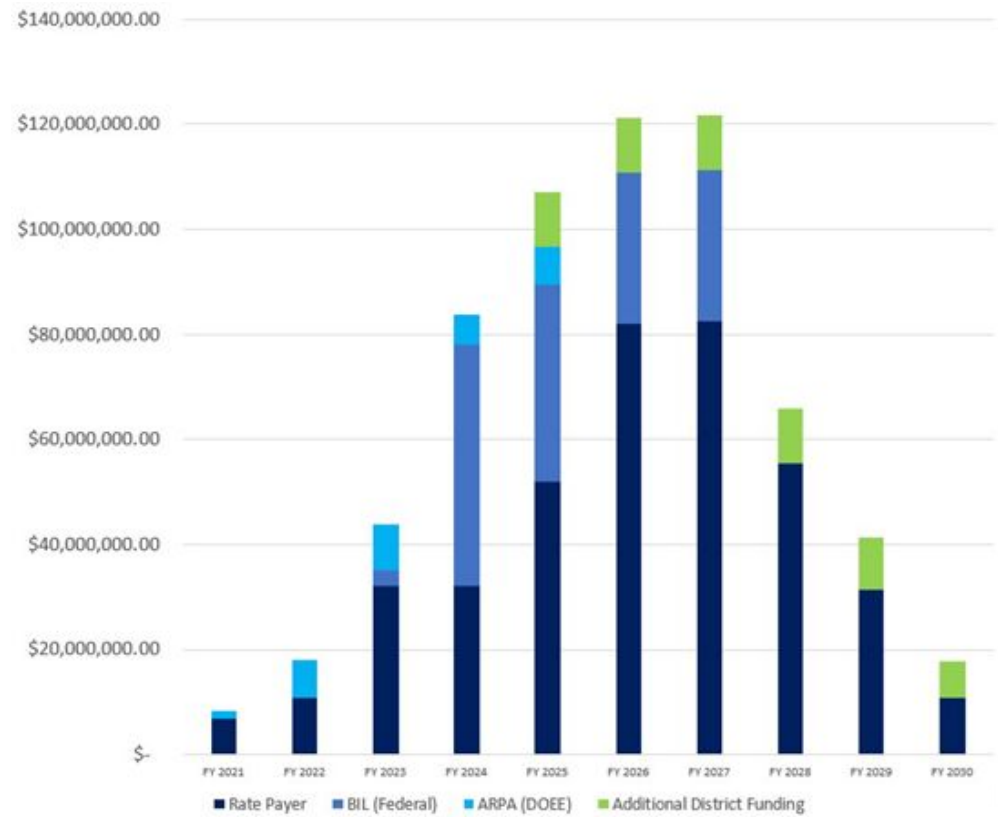
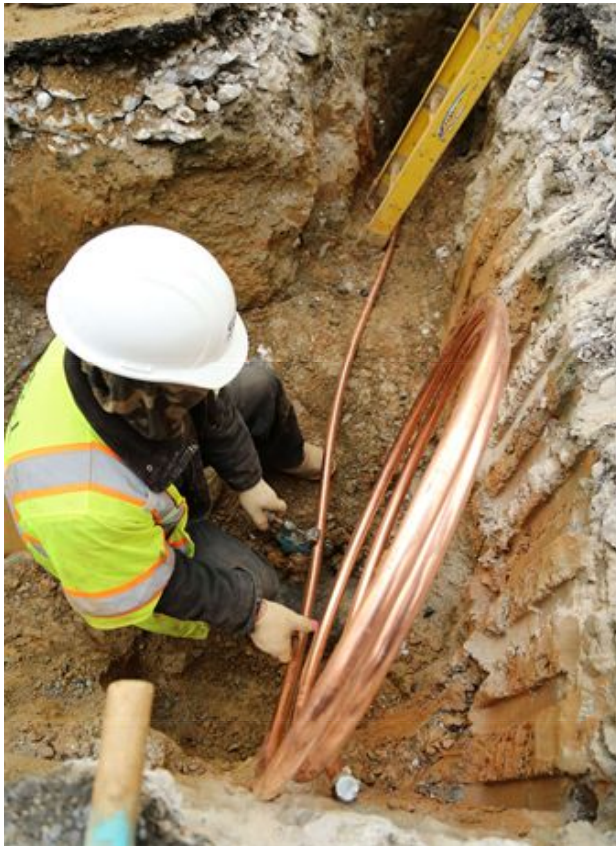
# Path to 2030







# Path to 2030





# Program Dashboard



Under Construction



# Program Dashboard





# Questions

## Questions?



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

**ACTION REQUESTED**

**ENGINEERING SERVICES:**

**Wastewater Treatment Facility – Basic Ordering Agreement  
(Joint Use)**

Approval to execute three Task Order based architectural and engineering service agreements with each not-to-exceed \$5,000,000.00 for a period of five years. Total Program Value \$15,000,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

PRIME:	PARTICIPATION
DCFA-534 A Brown and Caldwell 1725 Duke St. Ste 250 Alexandria, VA 22314 Headquarters Walnut Creek, CA	See Attachment A for list of Certified firm participation across the three awardees.  *Goal for each Contract  DBE 30.0% WBE 10.0%
DCFA-534 B Johnson, Mirmiran & Thompson, Inc. 40 Wight Avenue Hunt Valley, MD 21030	
DCFA-534 C Whitman, Requardt & Associates, LLP 801 South Caroline Street Baltimore, MD 21231	

\* Certified DBE/WBE participation will be awarded on an individual task order basis for each contract.

**DESCRIPTION AND PURPOSE**

Program Value, Not-To-Exceed: \$15,000,000.00  
 Contract Value, Not-To-Exceed: \$ 5,000,000.00  
 Contract Time: 1,825 Days (5 Years)  
 Anticipated Contract Start Date (NTP): 05-06-2023  
 Anticipated Contract Completion Date: 05-04-2028

Firms submitting proposals/qualification statements:

Brown and Caldwell**	Carollo Engineering, Inc
HDR Engineering Inc	Johnson, Mirmiran & Thompson, Inc.**
Whitman, Requardt & Associates, LLP**	

\*\* Asterisk indicates short listed firms.

**Purpose of the Contract:**

Professional architectural/engineering and related services for the design of wastewater treatment facilities and storm water pumping facilities. This contract will provide resources and capabilities to support engineering, architectural and related disciplines at various facilities at the Blue Plains Advanced Wastewater Treatment Plant, Storm Water and Sewer Pump Stations outside of Blue Plains. The work will range from technical studies, concept designs, final designs, and support services during bid and construction phases under a Basic Ordering Agreement, with task orders assigned on an as-needed basis.

**Contract Scope:**

- Work will be accomplished under a series of definitive Task Orders. Each Task Order will identify the scope of work, deliverables, compensation, and schedule for performing the task.
- The task orders will provide engineering and technical studies, concept designs, final designs, and services during bid and construction phases as needed.

- Professional services are anticipated in the following disciplines and support services: civil, structural, architectural, mechanical process, HVAC, instrumentation and control, electrical and support activities such as value engineering studies, preparation of standard specifications, surveys, and subsurface investigations.
- Projects will include upgrades and additions to various DC Water facilities at Blue Plains AWTP, Storm Water Pump Stations outside of Blue Plains and Storm pumping system modifications at the Main and O Pump Stations.

**Federal Grant Status:**

- This contract is not eligible for Federal grant funding assistance.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Cost Plus Fixed Fee, Fixed Price	<b>Award Based On:</b>	Highest Ranking Score
<b>Commodity:</b>	Engineering Design Services	<b>Contract Number:</b>	DCFA 534
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Wastewater Engineering
<b>Service Area:</b>	Wastewater, Sanitary, Stormwater	<b>Department Head:</b>	David Parker
<b>Project:</b>	I5, I7, RN, PF, TZ, UJ, US, V2, V3, RM, XZ, V4, RU, NG, PM, RS		

**ESTIMATED USER SHARE INFORMATION**

Capital 100% DC User Share (CAPM) Allocation

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 4,167,000.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 4,167,000.00</b>

Multi-Jurisdiction Use Facility 21 (MJ21) Allocation

User	Share %	Dollar Amount
District of Columbia	89.70%	\$ 747,000.00
Washington Suburban Sanitary Commission	10.30%	\$ 85,799.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 833,000.00</b>

Grant Ineligible Blue Plains (GIBP) Allocation

User	Share %	Dollar Amount
District of Columbia	41.22%	\$ 4,122,000.00
Washington Suburban Sanitary Commission	45.84%	\$ 4,584,000.00
Fairfax County	8.38%	\$ 838,000.00
Loudoun County & Potomac Interceptor	4.56%	\$ 456,000.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$10,000,000.00</b>

Total Combined Allocation

User	Share %	Dollar Amount
District of Columbia	60.24%	\$ 9,036,201.00
Washington Suburban Sanitary Commission	31.13%	\$ 4,669,799.00
Fairfax County	5.59%	\$ 838,000.00
Loudoun County & Potomac Interceptor	3.04%	\$ 456,000.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$15,000,000.00</b>

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Wayne Griffith / Date  
 Acting COO and EVP

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

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 Users, ou=Procurement, cn=Joel Grosser,  
 email=Joel.Grosser@dcwater.com  
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Joel Grosser / Date  
 Acting VP of Procurement  
 Dan Bae  
 VP Director of Procurement

David L. Gadis / Date  
 CEO and General Manager

**ENGINEERING SERVICES**

**ATTACHEMENT A:**

**Wastewater Treatment Facility – Basic Ordering Agreement - BOA**

<b>PRIME:</b>	<b>PARTICIPATION</b>	<b>DBE/WBE</b>
<b>DCFA-534 A</b>		
Brown and Caldwell	BVF Engineering, Inc.	DBE
1725 Duke St. Ste 250	Columbia, MD	
Alexandria, VA 22314	DMY Eng. Consultants, Inc.	DBE
<u>Headquarters</u>	Centerbrook, CT	
Walnut Creek, CA	C.C. Johnson & Malhotra, P.C.	DBE
	Baltimore, MD	
	Wave Civil, LLC	DBE
	Alexandria, VA	
	McKissack & McKissack Inc.	WBE
	Washington, DC	
	Peer Consultants, P.C.	WBE
	Washington, DC	
	R2T, Inc.	WBE
	Roswell, GA	
	Sigma Associates, Inc.	WBE
	Washington, DC	
	Corrosion Probe	N/A
	Centerbrook, CT	
	Mott Macdonald, LLC	N/A
	Arlington, VA	

<b>PRIME:</b>	<b>PARTICIPATION</b>	<b>DBE/WBE</b>
<b>DCFA-534 B</b>		
Johnson, Mirmiran & Thompson, Inc.	D.M. Enterprises of Baltimore, LLC	DBE
40 Wight Avenue	Baltimore, MD	
Hunt Valley, MD 21030	Milhouse Engineering & Construction, Inc.	DBE
	Chicago, IL	
	Savin Engineers, Inc.	DBE
	Landover, MD	
	Sheladia Associates, Inc.	DBE
	Rockville, MD	
	Sigma Associates, Inc.	DBE
	Washington, DC	
	Albrecht Engineering, Inc.	WBE
	Baltimore, MD	
	Phoenix Engineering, Inc.	WBE
	Parkton, MD	
	Atkins North America, Inc.	N/A
	Chantilly, VA	

**ENGINEERING SERVICES**

**ATTACHEMENT A:**

**Wastewater Treatment Facility – Basic Ordering Agreement - BOA**

PRIME:	PARTICIPATION	DBE/WBE
<b>DCFA-534 C</b>		
Whitman, Requardt & Associates, LLP 801 South Caroline Street Baltimore, MD 21231	C.C. Johnson & Malhotra, P.C. Baltimore, MD	DBE
	E2CR Inc. Baltimore, MD	DBE
	EPCM, Inc. Burke, VA	DBE
	Savin Engineers, Inc. Landover, MD	DBE
	Shah & Associates Gaithersburg, MD	DBE
	Sigma Associates, Inc. Washington, DC	DBE
	Albrecht Engineering, Inc. Baltimore, MD	WBE
	D.M. Enterprises of Baltimore, LLC Baltimore, MD	WBE
	Phoenix Engineering, Inc. Parkton, MD	WBE
	SZ PM Consultants, Inc. Washington, DC	WBE
	Hazen and Sawyer New York, NY	N/A



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

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION YEAR  
SAFETY RISK SYSTEM (SRS)  
(Joint Use)**

Approval to exercise Option Years 5 - 7 for Origami Risk System in the amount of \$1,023,300.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Origami Risk LLC 222 W. Merchandise Mart Plaza Suite 2300 Chicago, IL 60654	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b>
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**DESCRIPTION AND PURPOSE**

Base Year Contract Value:	\$192,790.00
Base Year Contract Date:	08-10-2018 – 08-09-2019
Option Year 1 through Option Year 4 Value:	\$419,480.00
Option Year 1 through Option Year 4 Date:	08-10-2019 – 04-30-2023
Prior Modification Value	\$47,041.45
Prior Modification Dates:	09-30-2019 – 09-30-2020
Option Year 5 through Option Year 7 Value:	\$1,023,300.00
Option Year 5 through Option Year 7 Dates:	05-01-2023 – 04-30-2026

**Purpose of the Request:**

DC Water’s safety risk system, Origami, is the database of record for all safety incident data and best practices that is used by DC Water employees, contractors, and visitors. The purpose of this contract action is to add functionality to the Enterprise Risk Management (ERM) and Policy Management System, Environmental, Health & Safety (EHS) System and continue the licensing for the software subscription will be renewed and paid annually.

**Contract Scope:**

The Origami Enterprise Risk Management (ERM) and Policy Management system provides a structured and centralized process to manage risks and policies across the Enterprise. This Environmental, Health & Safety (EHS) System enhances DC Water’s ability to track KPIs as well as provide improved data management and reporting capabilities. The software subscription includes hosting, data processing and ongoing support and licensing.

The Origami Risk System is customized to meet DC Water needs and interfaces with different DC Water applications. The Origami Risk System can automate the overall business process, increase efficiency, improve seamless collaboration, enhance reporting and provide real-time insights to decision-makers.

Requested funding is for projects such as:

Capital	Operating
Dept. EPMO: Implement ERM & Policy Management Module	Dept. EPMO: ERM & Policy Management Licensing, Hosting and Ongoing Support
Dept. Safety: Upgrade Environment, Health & Safety (EHS) Module	Dept. Safety: EHS Licensing, Hosting and Ongoing Support
	Dept. Safety, P&T and Risk Management: Risk System Renewal for Ongoing Support and Licensing

**Spending Previous Year:**

Cumulative Contract Value:	08-10-2018 to 09-30-2023: \$659,311.45
Cumulative Contract Value:	08-10-2018 to 01-31-2023: \$649,977.45

**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**

<b>Contract Type:</b>	Goods and Services	<b>Award Based On:</b>	Highest Rated Offeror
<b>Commodity:</b>	Safety Risk System	<b>Contract Number:</b>	18-PR-OSH-06
<b>Contractor Market:</b>	Open Market with Best Value		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital Equipment	<b>Department:</b>	Information Technology
<b>Service Area:</b>	DC Water	<b>Department Head:</b>	Thomas Kuczynski

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	43.57%	\$142,162.37
Washington Suburban Sanitary Commission	42.12%	\$137,431.24
Fairfax County	9.02%	\$29,430.91
Loudoun County	4.50%	\$14,682.83
Potomac Interceptor	0.79%	\$2,577.65
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$326,285.00</b>

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Shared Services
<b>Service Area:</b>	DC Water	<b>Department Head:</b>	Maureen Holman

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	70.33%	\$490,210.65
Washington Suburban Sanitary Commission	22.20%	\$154,737.33
Fairfax County	4.75%	\$33,108.21
Loudoun County	2.35%	\$16,379.85
Potomac Interceptor	0.37%	\$2,578.96
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$697,015.00</b>

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 Maureen Holman Date  
 VP of Shared Services

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 Date: 2023.03.07 13:05:32 -05'00' / \_\_\_\_\_  
 Thomas Kuczynski Date  
 VP of Information Technology

Joel Grosser Acting VP of Procurement  
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 email=joel.grosser@dcwater.com Date: 2023.03.07 16:14:46 -05'00' / 03-07-2023  
 Dan Bae Date  
 VP of Procurement

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 Date: 2023.03.08 14:11:38 -05'00' / \_\_\_\_\_  
 Matthew T. Brown Date  
 CFO and EVP of Finance and Procurement

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 David L. Gadis Date  
 CEO and General Manager

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

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION YEAR**

**Strategic Planning Advisory Services**

(Joint Use)

Approval to add funding for Task Order 2 Strategic Planning Advisory Services Phase II in the amount of \$754,500.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
ARUP-Deloitte 77 Water St. New York, NY 10005	N/A	

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$0.00
Original Contract Date:	12-01-2019 – 11-30-2022
Number of Option Years:	2
Prior Task Order Value 1:	\$692,000.00
Prior Task Order 1 Dates:	11-08-2021 – 11-07-2022
<b>Task Order 2 Value:</b>	<b>\$754,500.00</b>
<b>Task Order 2 Dates:</b>	<b>05-01-2023 – 04-30-2024</b>

**Purpose of the Request:**

DC Water's Strategy & Performance Department needs additional funding approved to provide continuing Enterprise Risk Management Reporting & Policy and Procedures Services Phase II.

**Contract Scope:**

ARUP - Deloitte completed Phase I of this work. During Phase II, contractor shall advance risk-dives into the three top risks, implement the Origami Risk solution for both ERM and Policy Management. The Operational funding will be \$96,500.00 for change management and training support and Capital funding will be \$658,000.00 for Planning and Design of the project.

**Spending Previous Year:**

Cumulative Task Order Value:	12-01-2019 to 11-30-2023: \$692,000.00
Cumulative Task order Spending:	12-01-2019 to 02-28-2023: \$692,000.00

**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**

<b>Contract Type:</b>	Goods and Services	<b>Award Based On:</b>	Highest Rated Offeror
<b>Commodity:</b>	Service	<b>Contract Number:</b>	19-PR-OCEO-24
<b>Contractor Market:</b>			

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Strategy & Performance
<b>Service Area:</b>	DC Water	<b>Department Head:</b>	Matt Ries

**ESTIMATED USER SHARE INFORMATION (OPERATING)**

User	Share %	Dollar Amount
District of Columbia	70.33%	\$67,868.45
Washington Suburban Sanitary Commission	20.20%	\$21,423.00
Fairfax County	4.75%	\$4,583.75
Loudoun County	2.35%	\$2,267.75
Potomac Interceptor	0.37%	\$357.05
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$96,500.00</b>

**BUDGET INFORMATION**

<b>Funding:</b>	Capital Equipment	<b>Department:</b>	Information Technology
<b>Service Area:</b>	DC Water	<b>Department Head:</b>	Thomas Kuczynski

**ESTIMATED USER SHARE INFORMATION (CAPITAL)**

User	Share %	Dollar Amount
District of Columbia	43.57%	\$286,690.60
Washington Suburban Sanitary Commission	42.12%	\$277,149.60
Fairfax County	9.02%	\$59,351.60
Loudoun County	4.50%	\$29,610.00
Potomac Interceptor	0.79%	\$5,198.20
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$658,000.00</b>

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 Thomas Kuczynski Date  
 VP of Information Technology

Joel Grosser  
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 Dan Bae Date  
 VP of Procurement

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 Matthew T. Brown Date  
 CFO and Executive VP, Finance and Procurement

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 David L. Gadis Date  
 CEO and General Manager

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

**ACTION REQUESTED**

**SERVICES CONTRACT AWARD  
Bloom Sales and Marketing  
(Joint Use)**

Request to execute a contract for the marketing and sales of Bloom and fund the three-year term for \$10,188,379.00. Purchase Orders will be issued based on the availability of funds, requirements and vendor performance.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Blue Drop, LLC 1385 Canal Street Washington, DC 20003	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A
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**DESCRIPTION AND PURPOSE**

Base Period Contract Value: \$10,188,379.00  
Base Contract Period: 04-17-2023 - 04-16-2026

**Purpose of the Contract:**

Blue Drop will manage the distribution of all DC Water’s Bloom, including marketing, selling, hauling and emergency storage contracts. The Scope of work has been expanded to require the contractor to manage land application contracts for non-marketed DC Water volume.

**Contract Scope:**

Under this contract, Blue Drop will manage approximately 95,265 wet tons of Bloom a year. They will market, sell and deliver to DC, VA, MD, PA, WV, NJ, etc. fresh, cured, and blended products. Blue Drop will use its own hauling contracts and DC Water’s distribution and marketing permits to reduce the hauling distance and generate revenue.

**Supplier Selection:**

The selection of Blue Drop was on a sole-source basis. This supports DC Water’s strategy and makes effective use of DC Water’s subsidiary and resources

No LBE/LSBE participation.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Services	<b>Award Based On:</b>	Sole Source
<b>Commodity:</b>	Marketing and Sales	<b>Contract Number:</b>	10348
<b>Contractor Market:</b>	Sole Source		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Wastewater Treatment
<b>Service Area:</b>	Blue Plains AWTP	<b>Department Head:</b>	Aklile Tesfaye

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	42.74%	\$4,354,513.18
Washington Suburban Sanitary Commission	42.85%	\$4,365,720.40
Fairfax County	9.16%	\$933,255.52
Loudoun Water	4.53%	\$461,533.57
Other (PI)	0.72%	\$73,356.33
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$10,188,379.00</b>

*Aklile Tesfaye* / 03/06/2023  
 Aklile Tesfaye Date  
 VP of Wastewater Operations

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 o=District of Columbia Water and Sewer  
 Authority, ou=VP of Procurement &  
 Compliance, cn=Dan Bae  
 Date: 2023.03.06 09:45:22-05'00'  
 Dan Bae Date  
 VP of Procurement

**Matthew T. Brown** Digitally signed by Matthew T. Brown  
 Date: 2023.03.09 13:05:54 -05'00'  
 Matthew T. Brown Date  
 CFO and EVP of Finance and Procurement

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 David L. Gadis Date  
 CEO and General Manager

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

**ACTION REQUESTED**

**ENGINEERING SERVICES:**

**Survey & Subsurface Utility Engineering (SUE) - BOA  
(Non-Joint Use)**

Approval to execute three Task Order based architectural and engineering service agreements with each not-to-exceed \$4,000,000.00 for a base period of three years plus two periods of one year each. The renewal periods will be approved at DC Waters sole discretion. Total Program Value is \$12,000,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>PARTICIPATION</b>
<b>DCFA-525 A</b> A. Morton Thomas and Associates 700 King Farm Blvd, Suite 300 Rockville, MD	<p><b>See Attachment A for list of Certified firm participation across the three awardees.</b></p> <p><b>*Goal for each Contract</b></p> <p><b>DBE 32.0%</b> <b>WBE 4.0%</b></p>
<b>DCFA-525 B</b> KCI Technologies, Inc. 936 Ridgebrook Rd. Sparks, MD 21152	
<b>DCFA-525 C</b> Utility Mapping Services, P.C. 121 Timberbrook Ln, Apt T2 Gaithersburg MD, 20878 Headquarters Clancy, Montana	

\* Certified DBE/WBE participation will be awarded on an individual task order basis for each contract.

**DESCRIPTION AND PURPOSE**

Program Value, Not-To-Exceed: \$12,000,000.00  
 Contract Value, Not-To-Exceed: \$ 4,000,000.00  
 Contract Time: 1,095 Days (3 Years, 0 Months)  
 No. of Option Years in Contract: 2  
 Anticipated Contract Start Date (NTP): 05-01-2023  
 Anticipated Contract Completion Date: 05-01-2026

Firms submitting proposals/qualification statements:

- A. Morton Thomas and Associates\*
- CNC Civil Services, LLC
- InfraMap Corp.
- KCI Technologies, Inc.\*
- T2 Utility Engineers (T2 UES, Inc. dba)\*
- Utility Mapping Services, P.C.\*

\* Asterisk indicates short listed firms.

**Purpose of the Contract:**

The agreement will provide Engineering Services to produce survey and Subsurface Utility Engineering (SUE) for Capital Improvement Projects.

**Contract Scope:**

- Survey and Subsurface Utility Engineering (SUE) services for Capital Improvement Projects.

**Federal Grant Status:**

- This contract is not eligible for Federal grant funding assistance.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Cost Plus Fixed Fee	<b>Award Based On:</b>	Highest Ranking Score
<b>Commodity:</b>	Engineering Design Services	<b>Contract Number:</b>	DCFA 525
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Engineering and Technical Services
<b>Service Area:</b>	Water, Stormwater	<b>Department Head:</b>	William Elledge
<b>Project:</b>	GR, IE, KG, KH, KI, KJ, ST		

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 12,000,000.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$12,000,000.00</b>

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**wayne Griffith**

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 Wayne Griffith Date  
 Acting COO and EVP

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**Matthew T. Brown**

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 Matthew T. Brown Date  
 CFO and EVP  
 Finance and Procurement

Acting VP of Procurement

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**Joel Grosser**

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 Dan Bae Date  
 VP Director of Procurement

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 David L. Gadis Date  
 CEO and General Manager



**ENGINEERING SERVICES**

**ATTACHEMENT A:**

**Survey & Subsurface Utility Engineering (SUE) - BOA**

<b>PRIME:</b>	<b>PARTICIPTATION</b>	<b>DBE/WBE</b>
<b>DCFA-525 A</b>		
A. Morton Thomas and Associates 700 King Farm Blvd, Suite 300 Rockville, MD	CV, Inc. Gaithersburg, MD	DBE
	Mercado Consultants, Inc. Ashton, MD	DBE
	Soil and Land Use Technology, Inc. Washington, DC	DBE
	Accurate Infrastructure Data, Inc. Baltimore, Maryland, 2123	WBE
	KCW Engineering Technologies, Inc. Glen Burnie, MD	WBE
	Axis GeoSpatial LLC. Easton, MD	N/A

<b>PRIME:</b>	<b>PARTICIPTATION</b>	<b>DBE/WBE</b>
<b>DCFA-525 B</b>		
KCI Technologies, Inc. 936 Ridgebrook Rd. Sparks, MD 21152	CV, Inc. Gaithersburg, MD	DBE
	Mercado Consultants, Inc. Ashton, MD	DBE
	Rice Associates Manassas, VA	WBE

<b>PRIME:</b>	<b>PARTICIPTATION</b>	<b>DBE/WBE</b>
<b>DCFA-525 C</b>		
Utility Mapping Services, P.C. 121 Timberbrook Ln, Apt T2 Gaithersburg MD, 20878	PGC and Quality Plus Services (JV) Easton, MD	DBE
	PGC/E and TERRA (JV) Gaithersburg, MD	DBE
	Accurate Infrastructure Data, Inc. Baltimore, MD	WBE
	Parail Consulting Glen Burnie, MD	WBE
	Phoenix Engineering, Inc. Parkton, MD	WBE