

DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
Board of Directors

Meeting of the
Environmental Quality and Operations Committee

Thursday, July 20, 2023
9:30 a.m.

Microsoft Teams meeting
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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
9:40 a.m.	IV	Water Quality Monitoring	Anjuman Islam
9:45 a.m.	V	Fire Hydrants Update (Ops)	Sylvia Okogi
9:50 a.m.	VI	Lead Free DC Program	William Elledge
10:05 a.m.	VII	311 Overflow Coordination	Meisha Thomas
10:15 a.m.	VIII	East West Outfall Relief Sewer Update	David Parker
10:30 a.m.	IX	Action Items	David Parker, Moussa Wone Joel Grosser, Reginald Scott

Joint Use

1. Contract No. DCFA #536-WSA Program Management for CSO Long-term Control Plan and Other Services – Greely and Hansen LLC
2. Agreement No. N/A Long Term Control Plan Well Permit Reviews – District of Columbia Department of Energy and Environment

3. Contract No. 200020 Emergency Sewer Main IR&R Contract for FY21-FY23 – Spiniello Companies
4. Contract No. DCFA #539-WSA Permit Support Services – SZ PM Consultants, Inc
5. Contract No. 10399 Microsoft Enterprise Agreement License Renewal – Dell Marketing
6. Contract No. 10084 – Sodium Hypochlorite – Kuehne Corporation
7. Contract No. WAS-13-018-AA-RA – Mass Communication Systems – Everbridge
8. Contract No. 20-PR-WWT-45A – High Pressure High Vacuum Cleaning – Jet Blast

Non-Joint Use

1. Contract No. 220160 Major Sewer Rehabilitation 1-5 Northeast Boundary – Spiniello Companies
2. Contract No. 032223 Construction Inspection Refund Services – AECOM Services of DC, LLC

10:50 a.m.	X	Other Business/Emerging Issues	
10:55 a.m.	XI	Executive Session*	
11:00 a.m.	XII	Adjournment	Sarah Motsch

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

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 November 2023.**
2. Nicholas Passarelli, VP, Wastewater Treatment Operations, DC Water to provide data on the volume of flows directed to complete treatment for May 2023. **Included in July agenda.**
3. Korey Gray, VP, Contract Compliance and Business Development to provide details on measures planned by DC Water to increase DBE/MBE certified firm participation for future work associated with Action Items 2 and 3 from the June EQ&Ops meeting. **Response will be provided in July.**
4. For Action Item 5 from the June EQ&Ops meeting, David Parker, VP, Engineering to confirm whether DC Water considered pre-purchasing construction equipment during the design phase for the project to avoid long lead times and supply chain issues for procurement of equipment for the project. **Response will be provided in July.**

5. For Action Item 6 from the June EQ&Ops meeting, Joel Grosser, Director of Procurement, Goods & Services to confirm whether the existing Fiber Optic cable for the project will be removed. If it is to be removed, what is the specification for disposal of the old cable. **Response will be provided in July.**
6. Getachew Melsew (Sr. Manager, Planning, Engineering): To provide a presentation to the committee on risk-based prioritization of our linear assets. **Due September 2023.**

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
July 20, 2023

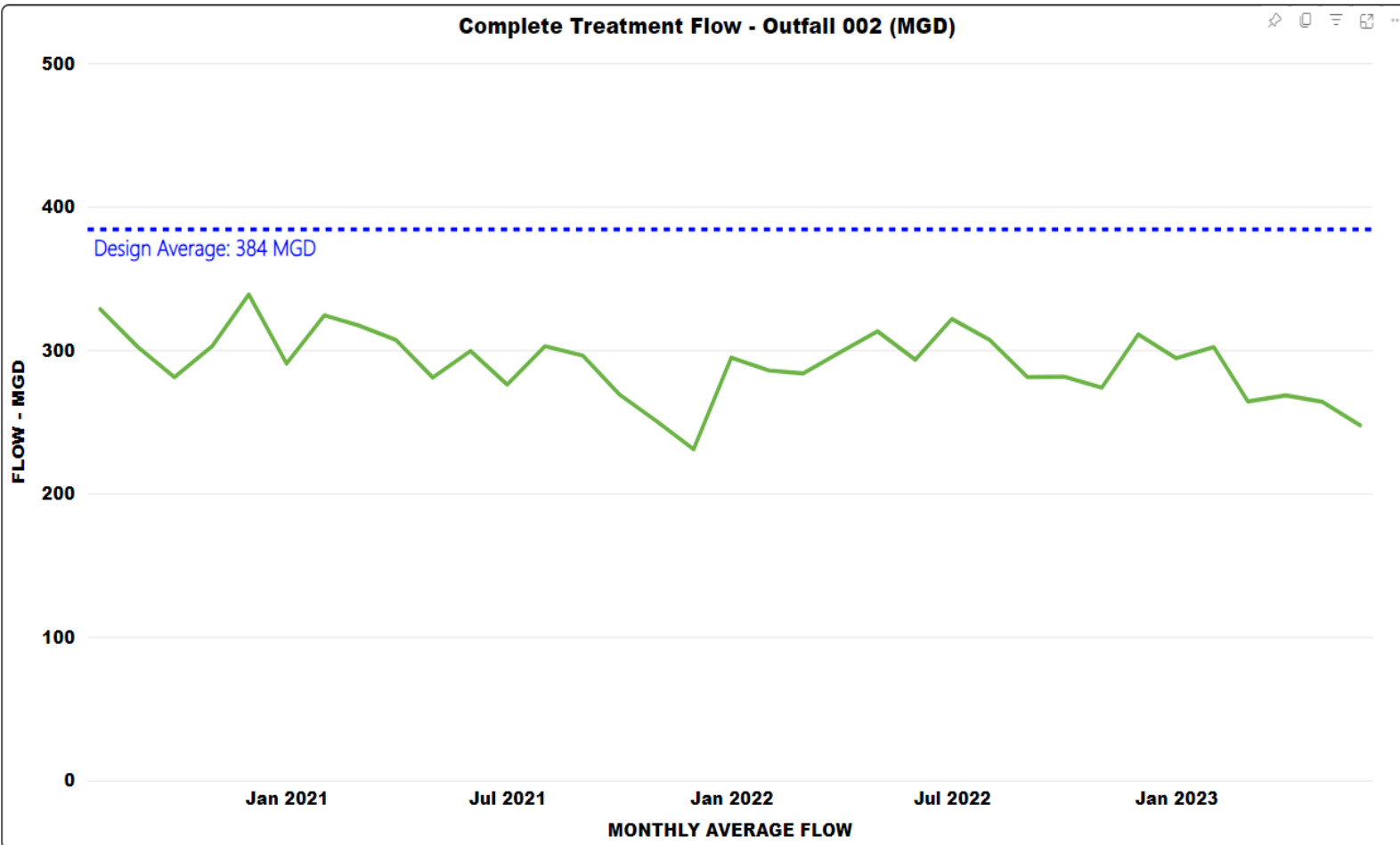


Nicholas Passarelli, VP, Wastewater Treatment Operations



Operational Performance

Complete Treatment



- Average flow through complete treatment for the month of June was 247 MGD
- No flow through Outfall 001 – all wet weather flows were diverted to complete treatment
- Plant successfully met all NPDES Permit requirements

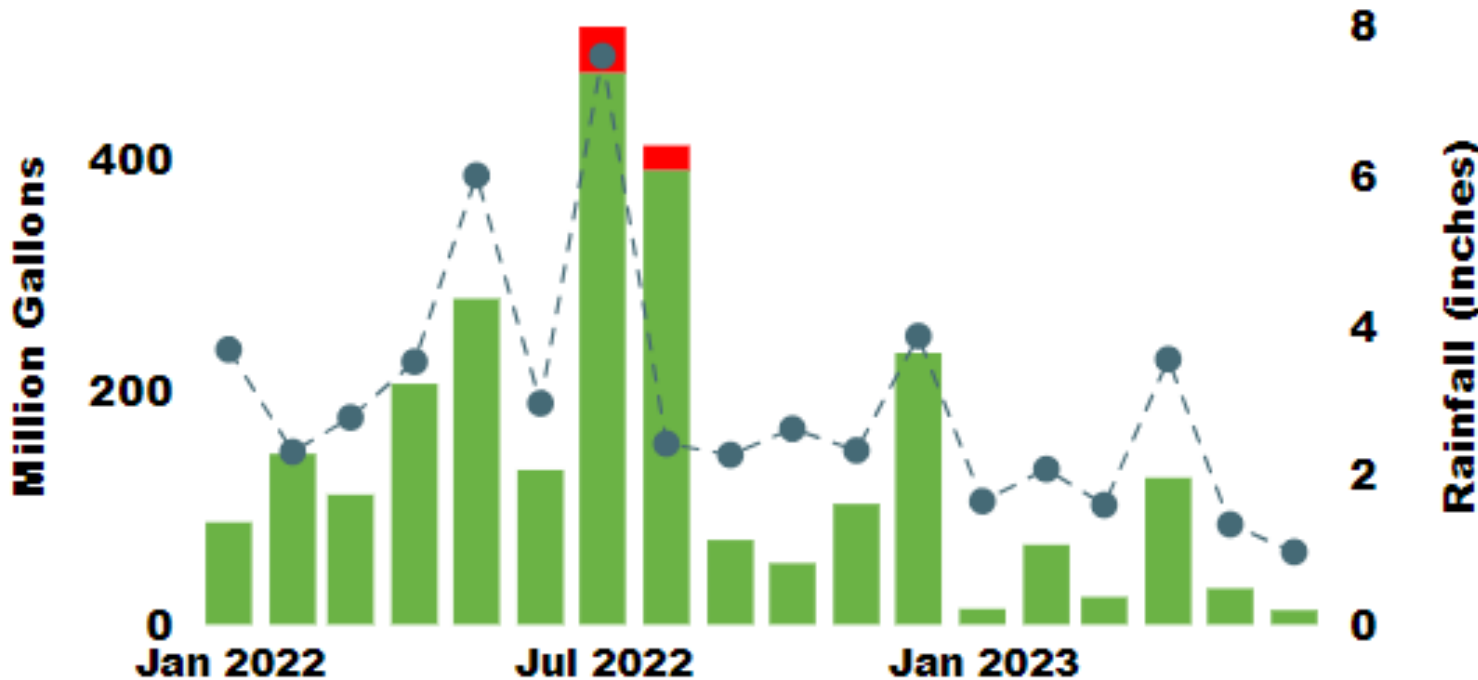


Operational Performance Tunnel Systems and Wet Weather Treatment

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

Tunnel Captured Volume (MG)

● Volume Captured by Tunnel ● Measured Overflow ● Rainfall, DCA Gauge (in)



Total System Annual Performance 2018-2022

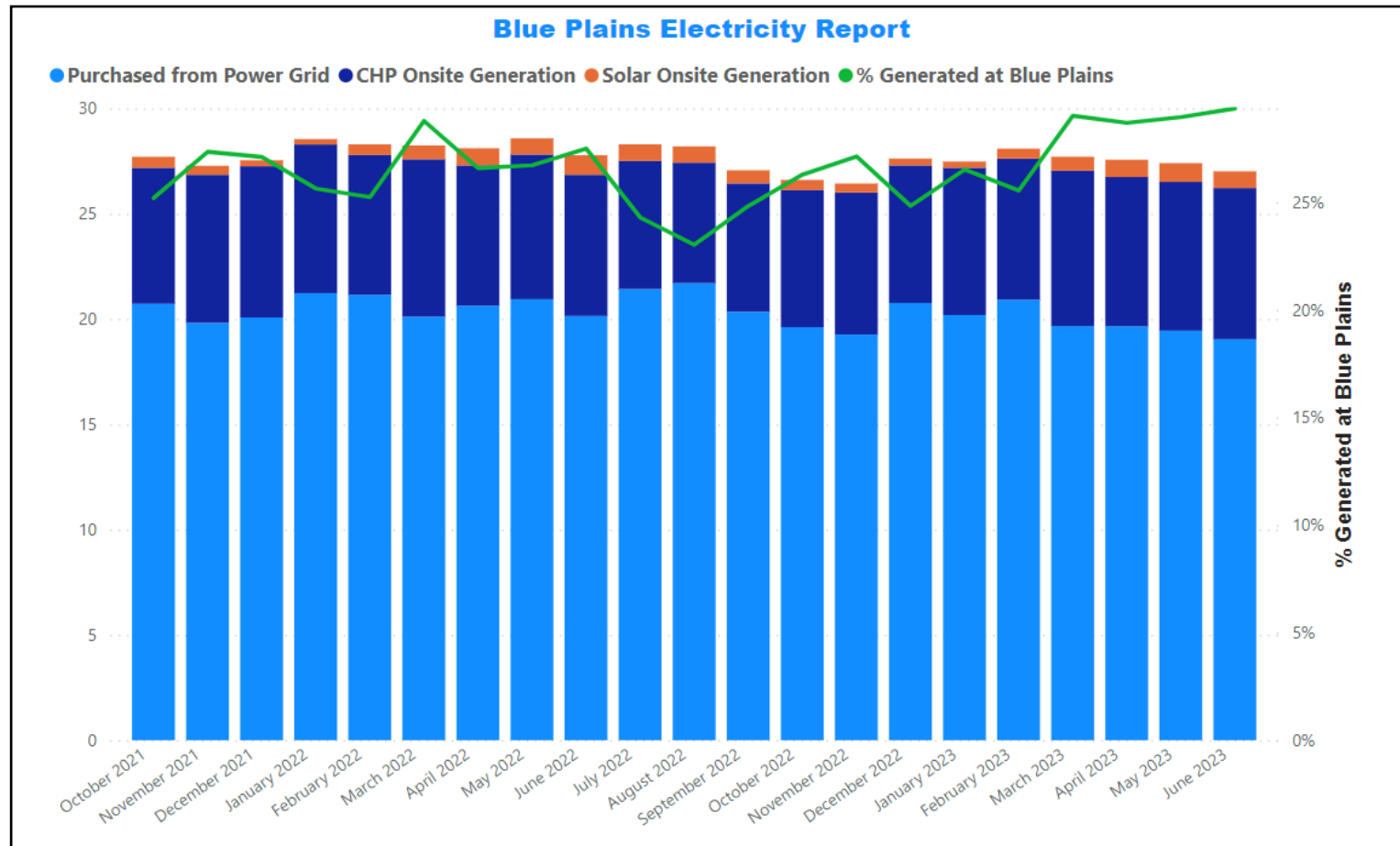
	Anacostia River Tunnel System	Total System
Number of events	61	398
Volume Captured, MG	14,786	18,177
Volume to CSO, MG	1,342	6,943
Percent Captured, %	91.7	72.4

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



Operational Performance Electrical Energy Use and Generation

Blue Plains Electrical Energy Use and Generation

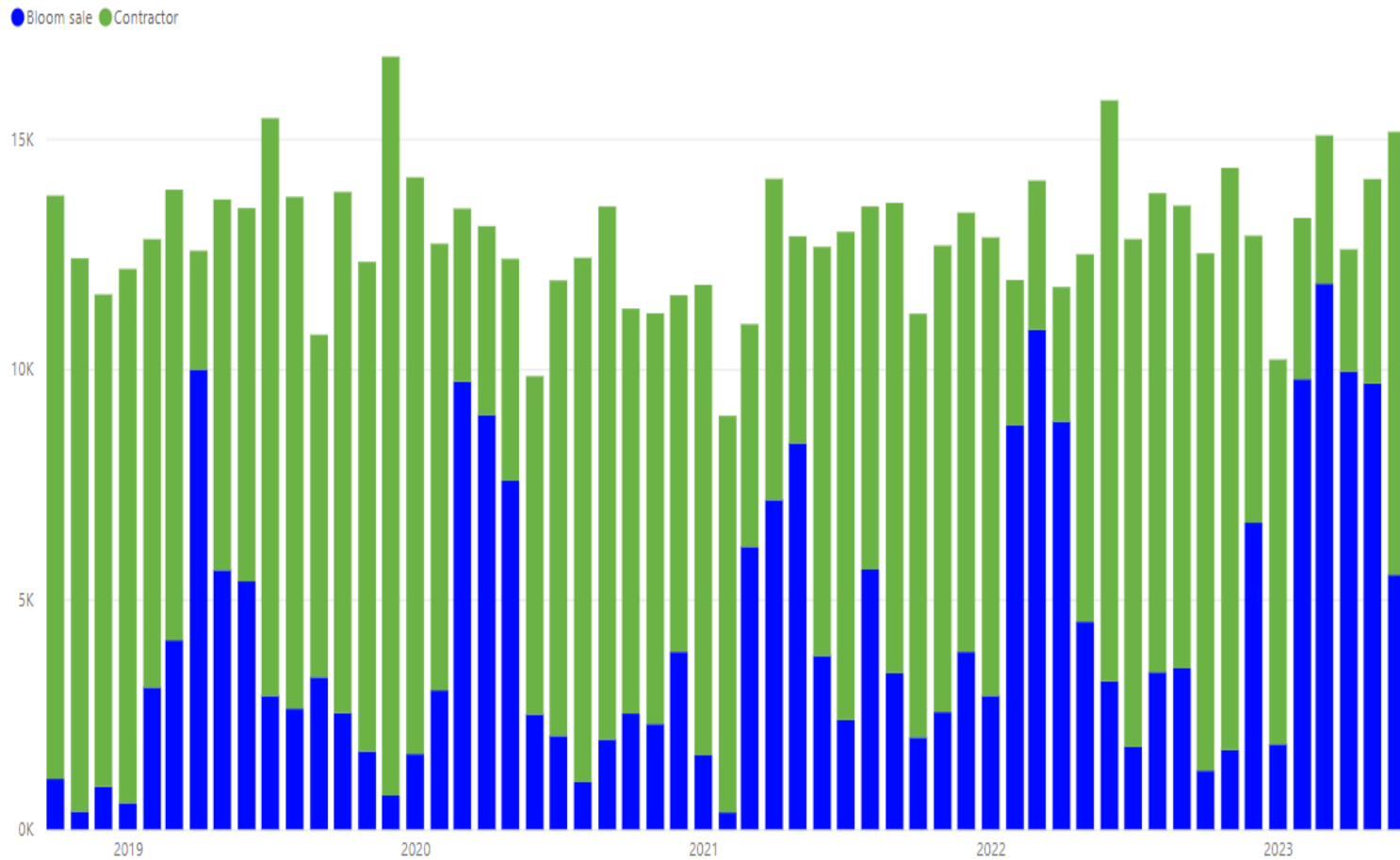


- 29% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 8.7 megawatts (MW), with 7.2 MW net to Blue Plains grid
- Solar System produced an additional 0.8 MW of power on average
- Total electricity consumption at Blue Plains averaged 27.0 MW
- DC Water purchased an average of 19.0 MW of electricity from PEPCO



Biosolids Production and Bloom Marketing

Total Production of Class A Biosolids and Beneficial Reuse



- In June, biosolids hauling averaged 505 wet tons per day (wtpd), or a total of 15,148 tons for the month.
- In June Blue Drop sold 5,527 wet tons of Bloom (against the goal of 2,806 tons) or 197% above target for the month. The remaining 9,622 wet tons not sold into the market were land applied through contracts. The FY23 cumulative sales are 58,843 tons against a goal of 48,843 tons through June, or 119% of the goal.
- June marked the earliest in the fiscal year that Blue Drop has exceeded the annual goal, this year set at 58,000 tons.

Water Quality Update



Water Quality Update

Environmental Quality & Operations Committee

July 20, 2023



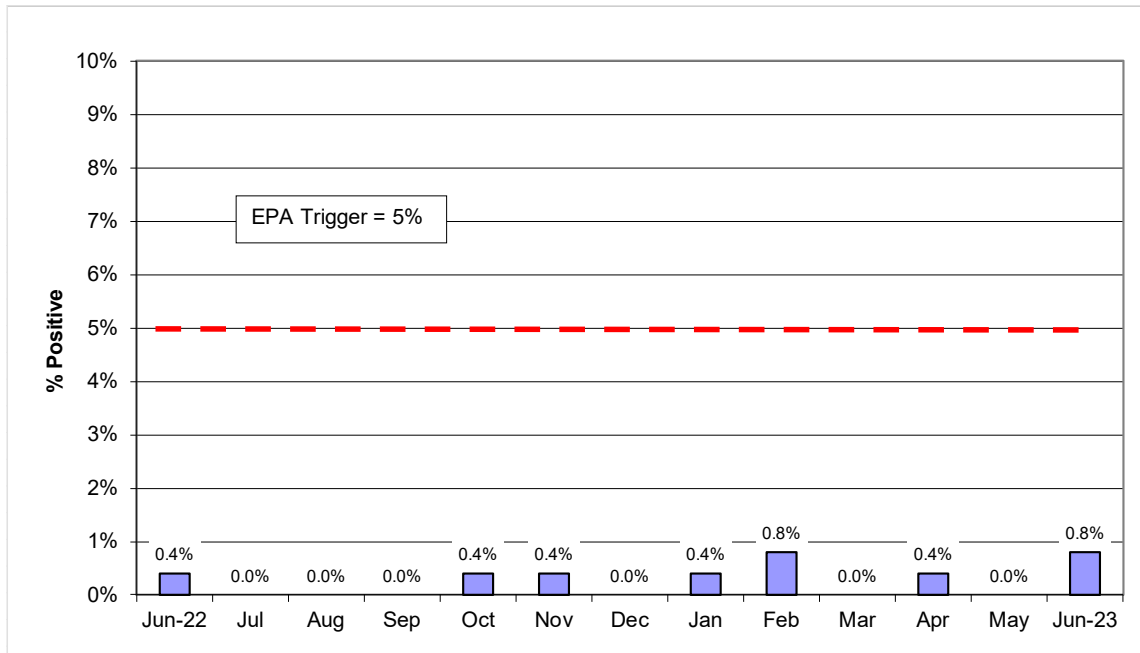
TAP WATER IS CHEAP • SAFE • ECO-FRIENDLY

Anjuman Islam, Manager, Water Quality and Technology



Drinking Water Quality Update

Total Coliform Rule



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

Lead and Copper Rule

Jan-June 2023	1 st Draw	2 nd Draw
90 th Percentile, parts per billion (ppb)	1.6	2.5
Number of samples	106	104
Number of samples > 15 ppb	3	0

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

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

Fire Hydrant Update



Fire Hydrant Update

Environmental Quality & Operations Committee

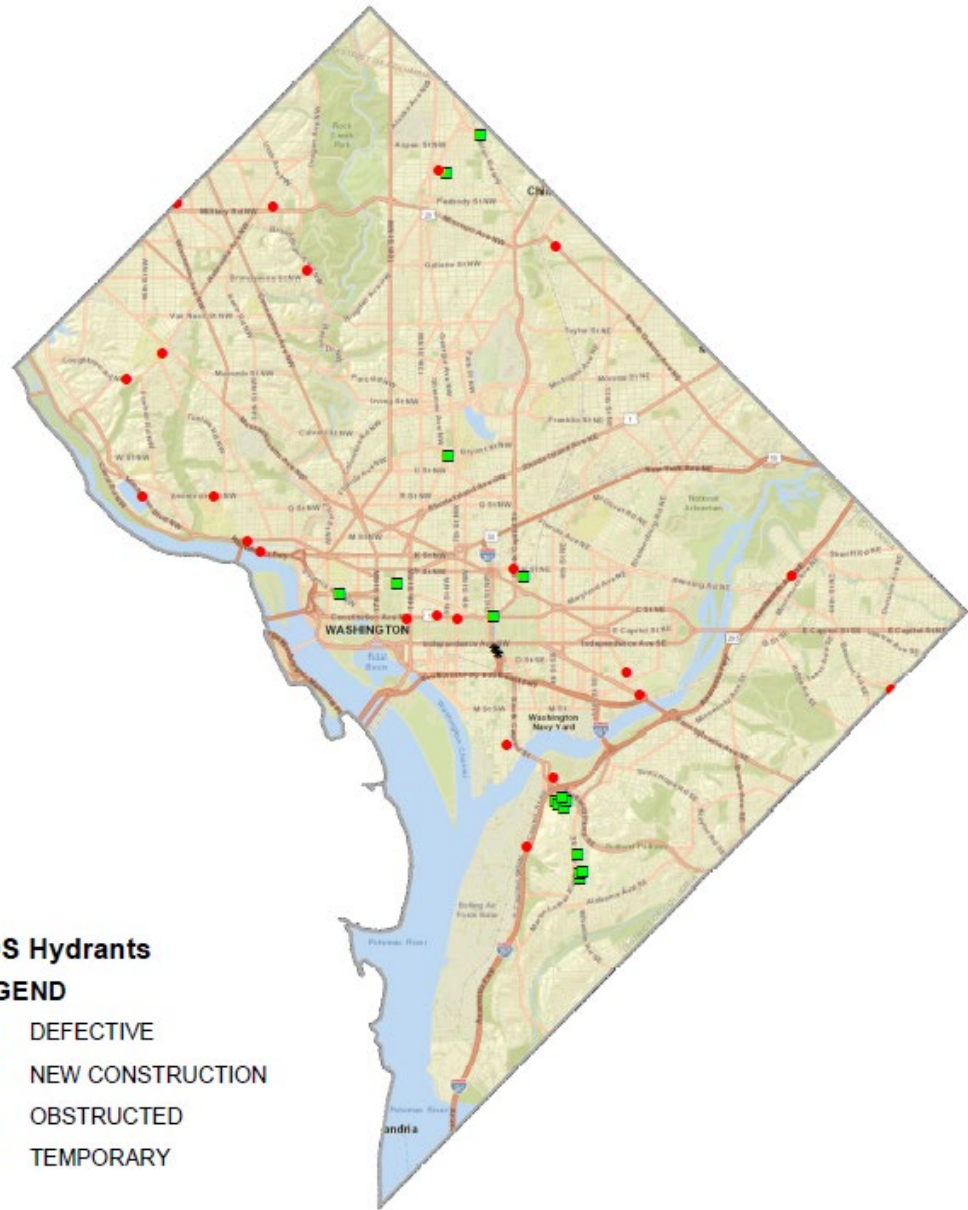
July 20, 2023



Sylvia Okogi, Operations Program Manager Utility Services, Water Distributions

Map of Public Out-of-Service Hydrants

July 03, 2023



- OOS Hydrants**
LEGEND
- DEFECTIVE
 - ★ NEW CONSTRUCTION
 - * OBSTRUCTED
 - TEMPORARY

Status Report of Public Fire Hydrants for DC Water Services Committee - July 3, 2023

	April Cmte. Report (April 3, 2023)	May Cmte. Report (May 1, 2023)	June Cmte. Report (June 5, 2023)	July Cmte. Report (July 3, 2023)
Public Fire Hydrants:	9,842	9,845	9,845	9,846
In Service:	9,810	9,802	9,795	9,805
Marked Out-of-Service (OOS)	32	43	50	41
OOS - defective requiring repair/replacement	10	22	30	22
% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)	0.10%	0.22%	0.30%	0.22%
OOS - due to inaccessibility or temp construction work	22	21	20	19

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

Breakdown of Public Fire Hydrants Out-of-Service (OOS) as of July 3, 2023 41

Breakdown of Defective

	0-7 Days	8-14 Days	15-30 Days	31-60 Days	61-90 Days	91-120 Days	> 120 Days	Total
Hydrant Needs Repair/Investigation	0	0	0	0	0	0	1	1
Needs Valve Investigation for Low Flow/Pressure or Shut Test for Replacement	0	0	0	1	3	0	0	4
Needs Replacement	0	0	1	3	5	0	8	17
Defective								22

Breakdown of Others

	0-7 Days	8-14 Days	15-30 Days	31-60 Days	61-90 Days	91-120 Days	> 120 Days	Total
Temporarily OOS as part of operations such as a main repair	0	0	0	0	3	1	12	16
Construction* - OOS	0	0	0	0	0	0	1	1
Obstructed Hydrant - OOS hydrant due to operation impeded by an obstruction.	0	0	0	0	0	0	2	2
Others								19

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



Lead Free DC Quarterly Update

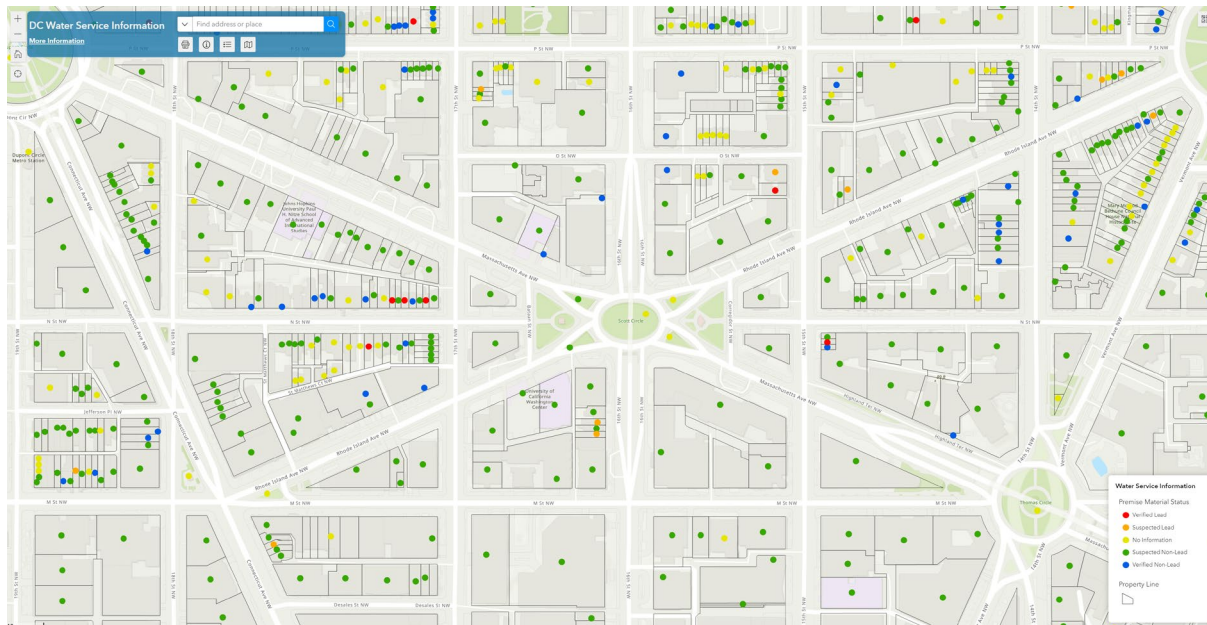


Lead Free DC Quarterly Update
Environmental Quality & Operations Committee
July 20, 2023



William Elledge, Director, Engineering and Technical Services

- 3 Keys to success
- FY23 Progress to Date
- Key Activities Last Quarter
- Upcoming Key Activities
- Executive Dashboard



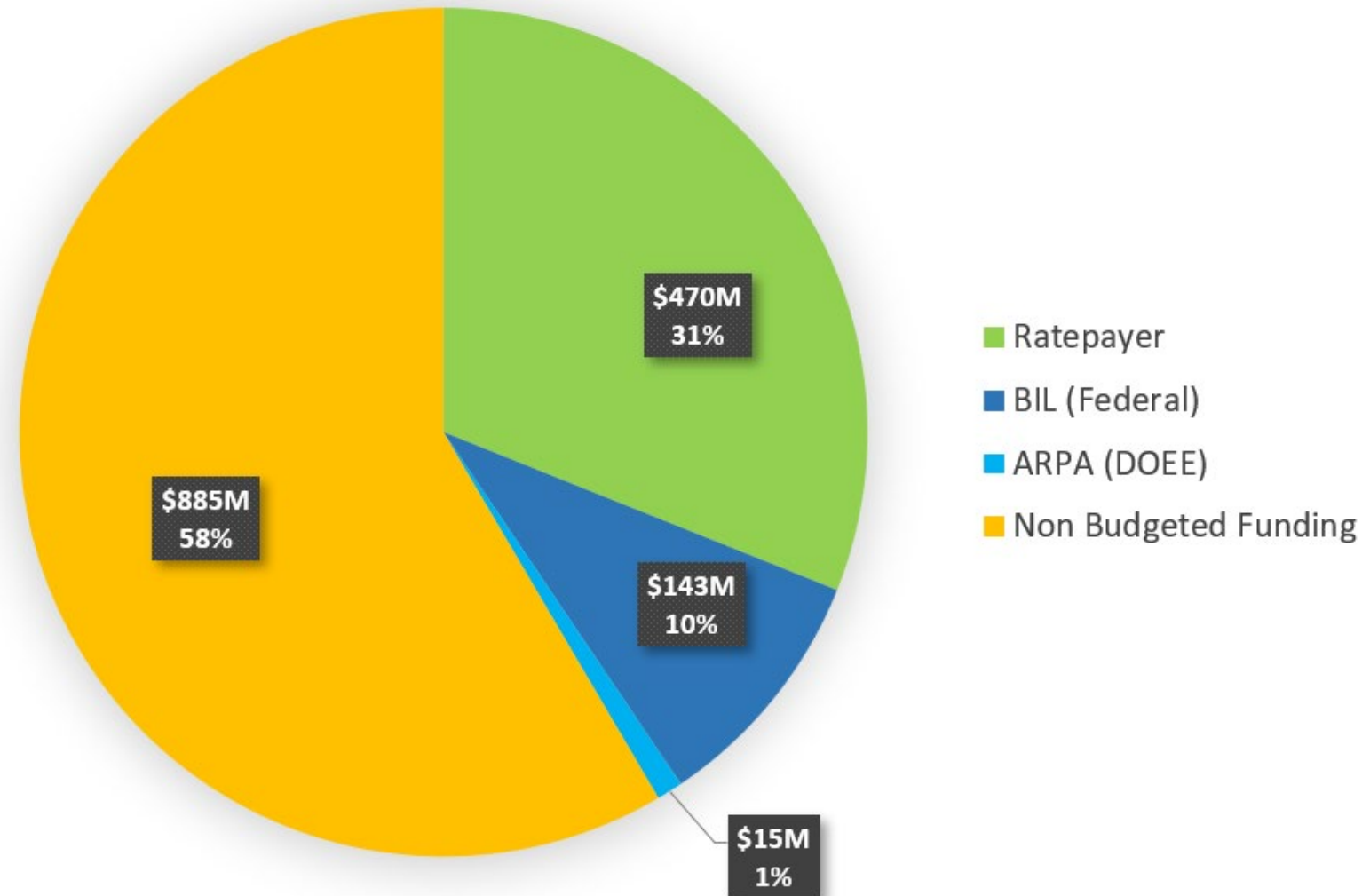
DC Water's LEAD SERVICE LINE

Replacement Plan



June 2023

- Secure funding (up to revised program estimate)
- Implement a mandate requiring homeowners to participate in replacing lead service lines
- Collaborate with DDOT for road permits

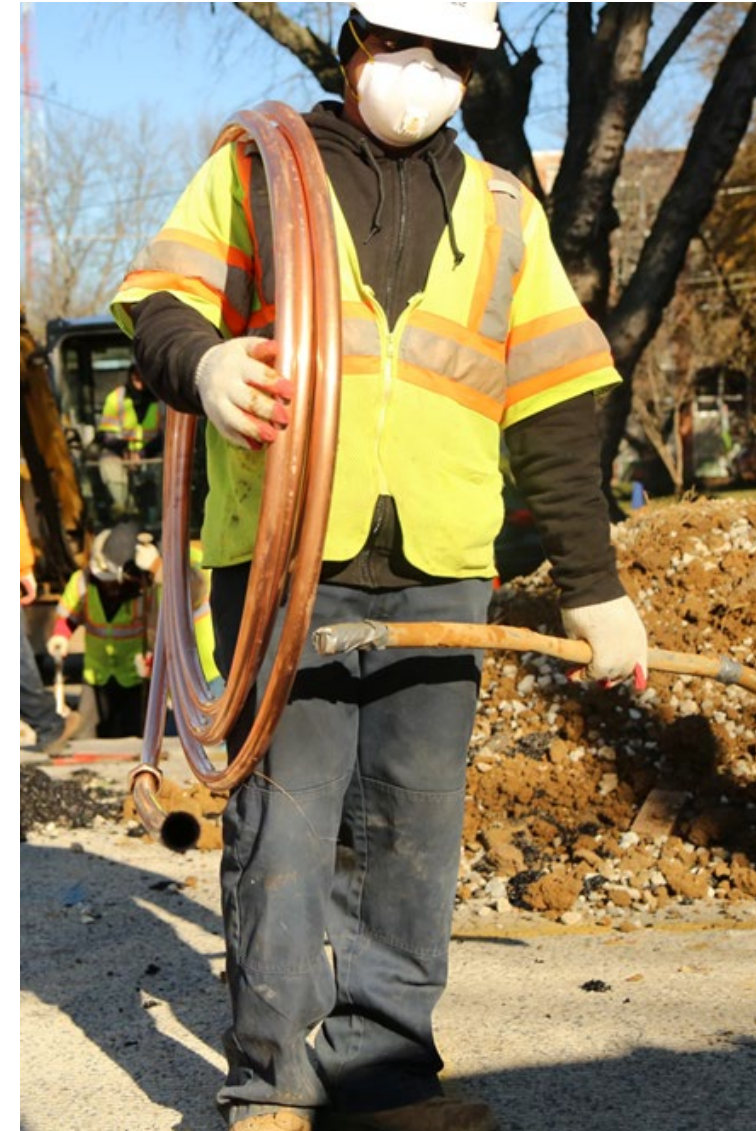
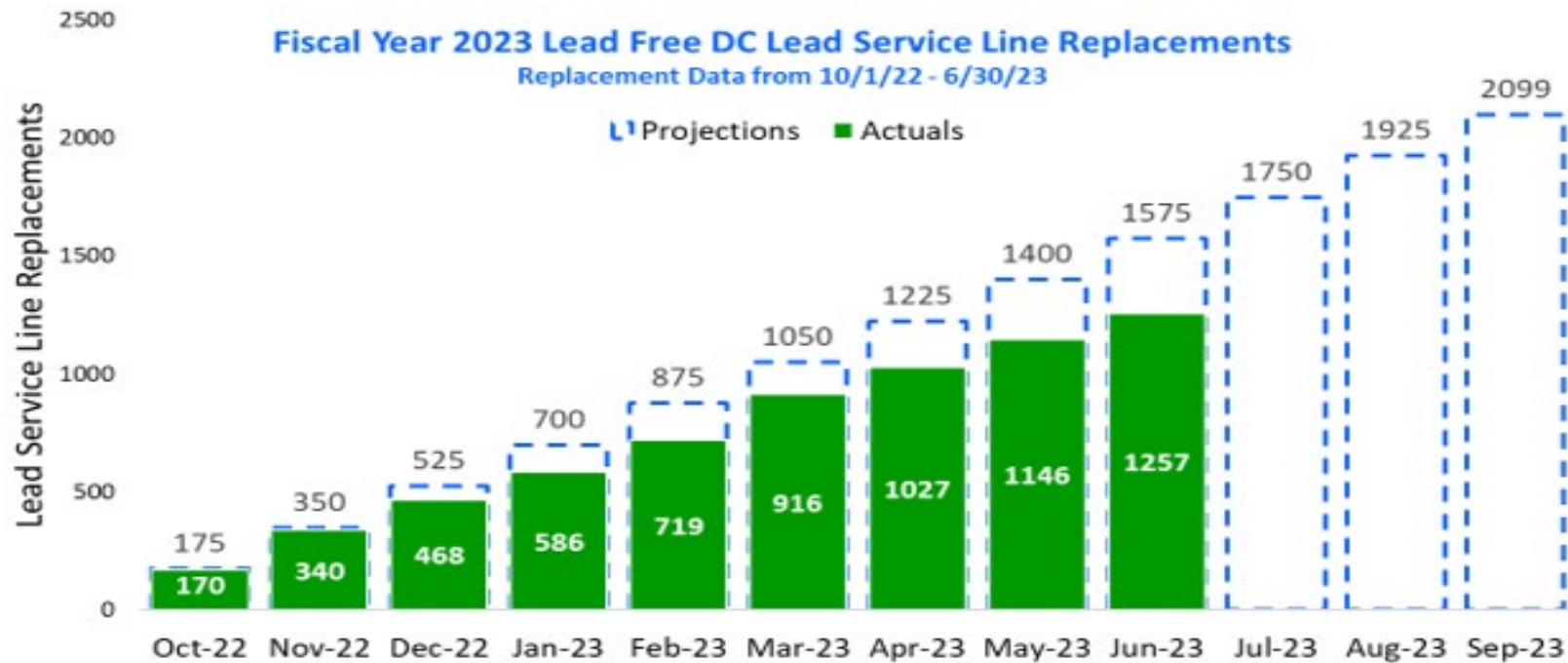


Overall Program (FY20-FY23)

Total Replacements **4,400+ LSL**

Free and Discounted **2,800+ LSL**

Savings for Customers **\$6.97+ mil**





Key Activities Completed FY23 Q3

- Obtained approval for BIL (Bipartisan Infrastructure Law) Intended Use Plan
- Submitted BIL Grant Applications – est. approval July 2023
- Community Activators have doubled agreements per week
- Completed restoration of 40 blocks to remove DDOT permit hold
- Introduced 2023 LFDC Plan, Map, and Construction Dashboard
- Updated cost estimate
- Opened bids on next 4 Task Orders
- Conducted LFDC Plan Press Briefing
- Participated on DC Council hearing
- Participated in 19 ANC Mtgs

DC WATER Lead Free DC
Lead Service Replacements (LSR)

Construction Dashboard [Clear All Filters](#)

Premise Info:
Please use drop-down to search and select address.
Please Type and Select an Address:
2412 OBSERVATORY PL NW

Agreement Status: Unsigned
Premise Material Status: Suspected Lead

Inventory Public Service Type: Suspected Lead
Inventory Private Service Type: Suspected Lead

Block Name: 2400 BL OBSERVATORY PL NW

Program Type: By Block
Package Number: 6

Lead Free DC Block Construction Status

Lead Free DC is currently working to replace the lead service line connected to your property. Your block could be in the design phase or undergoing permitting reviews. DC Water will contact you when construction is scheduled for your block, within the next two years. Email lead@dcwater.com or call 202-787-4044 to get more detailed information about the status and future updates for your replacement.

Block Construction Status

- LSR Project Completed on Block
- LSR Project in Progress on Block
- LSR Project Pending on Block
- Contact DCW for Lead Removal Options
- No Lead Services Present on Block

Contractor Info:

Contractor	Construction Start Date	Construction End Date	Contractor E-mail	Contractor Phone
Ft. Myer	7/1/2023	9/30/2024	jbaptista@fortmyer.com	(202) 636-9535

Disclaimer: Construction Dashboard displays the LFDC Construction Status for the entire block. Individual construction status for premises may vary. Construction Dashboard only displays premises eligible for the Lead Free DC Program. For additional information call 202-787-4044 or email lead@dcwater.com.

Prepared by LFG | Version Number 1.0 | 7/18/2023 1:51:57 PM | Program information as of:

- Complete meetings for next construction packages with ANC (Advisory Neighborhood Council) and CBO (community-based organization)
- Bidding 4 test pit contracts
- Bidding 3 service line replacement contracts (\$100+ million)
- Complete restoration of FY 22 blocks
- Start construction up to Package 10
- Start permitting and outreach for Packages 11-17
- Conduct cross training for Community Activators
- Conduct message testing for marketing and advertising



DC WATER Lead Free DC

Lead Service Line Replacement Program Status (FY 21 – FY 30)

Executive Dashboard

Premise Status	Premise Count	Percent of Total
Verified Non-Lead	29,067	22.8%
Suspected Non-Lead	65,790	51.6%
No Information	12,634	9.9%
Suspected Lead	11,185	8.8%
Verified Lead	8,756	6.9%

Program Status

Completed LSLs

3740

Percent Complete

9.1%

Estimated LSLs

41,157

Completed LSLs

3740

Percent Complete

9.1%

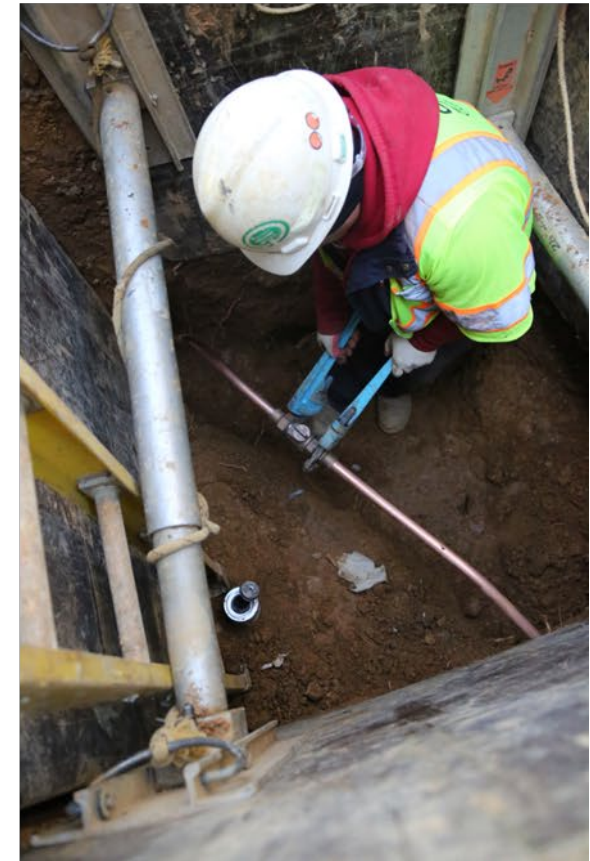
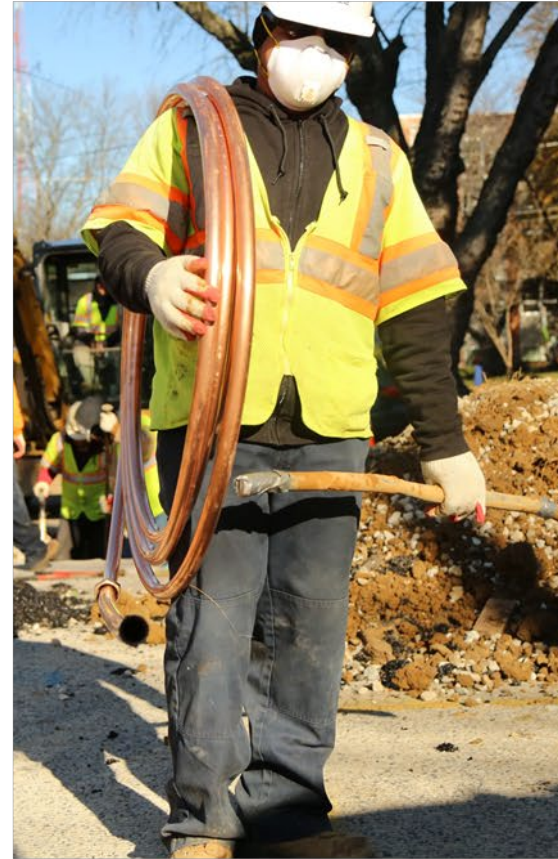
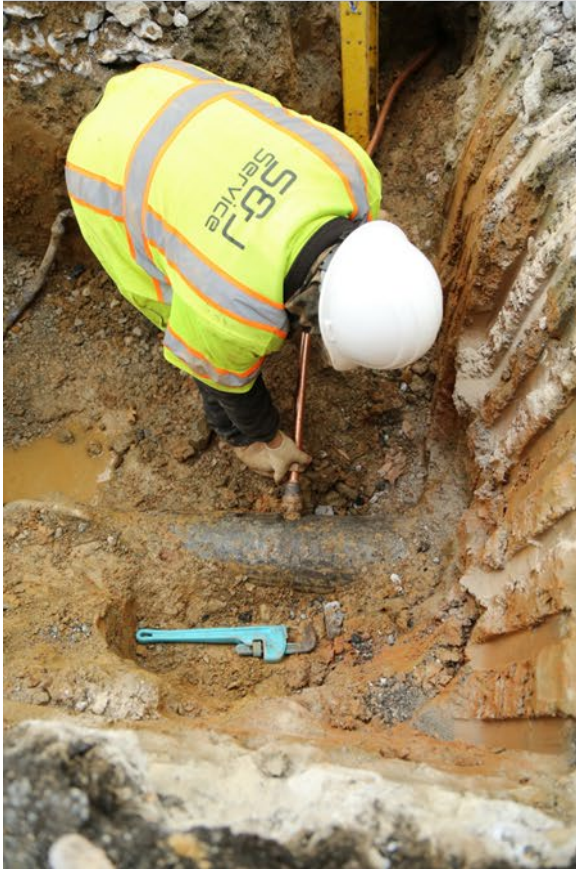
Estimated LSLs

41,157

Service Line Replacement Goals by Fiscal Year

● Remaining ● Completed

Fiscal Year	Completed	Remaining	Total
FY21	846	0	846
FY22	1,699	0	1,699
FY23	2,099	0	2,099
FY24	3,600	0	3,600
FY25	7,900	0	7,900
FY26	8,500	0	8,500
FY27	6,900	0	6,900
FY28	4,969	0	4,969
FY29	4,150	0	4,150
FY30	494	0	494





311 Overflow Coordination
Environmental Quality & Operations Committee
July 20, 2023



Meisha Thomas, Director of Customer Care



2.88 inches of rain
Topped a previous record set in 1970



DC Water reports increased call volume
601 calls in Emergency Command Center (ECC)
Phone lines locked due to the volume of calls



Office of Unified Command (311/OUC) reports increased call volume
Broken communication between groups
Calls transferred from 311/OUC were disconnected due to long wait times

How to ensure all customer calls are answered during an emergency?

- Internal Resources
 - Created an internal emergency plan that will use Call Center staff in the daytime to assist with emergency calls.
 - Increase ECC staff as needed, especially after hours.
 - Additional ECC Staff on Standby
- External Resources
 - 311/OUC to assist in calls as an overflow during emergencies
 - Established MOU for automatic overflow depending on the number of calls in queue.



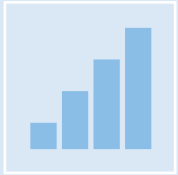
OUC/311 MOU Creation

- Multiagency (DCG & Fed) met to collaborate and coordinate emergency calls and resolution during future flood events.
- Discussed how 311/OUC could support flooding emergencies as an additional resource when call volumes increase beyond DC Water's capacity and to document data for customer follow-up by other agencies.
- We established and agreed upon thresholds for automatic activation and call transfer
- Initially, 311/OUC would take the incoming call and transfer the call information to DC Water using an integration between Salesforce (their intake system) and DC Water's Report-A-Problem website. We decided 311/OUC would submit intake information directly to the Report-A-Problem website. This action reduced contract costs.
- 311/OUC added two additional resources to their overnight crews to assist in emergency overflow calls. Daytime calls would be answered by their current staff compliment.
- The initial MOU was for Flood events only. The MOU was revised to include water emergencies.



8 pm - 8 am

The call queue is > 25 calls, with an average wait time of > 90 seconds.



8 am - 8 pm

The call queue is > 40 calls, with an average wait time of > 120 seconds.



All tickets are submitted through the RAP website for ECC review, dispatch, and response.

April 1, 2023

Stanton Rd & Suitland
Parkway SE

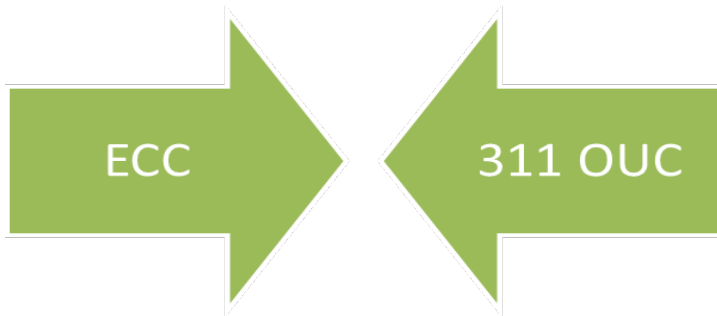
- Water main break affecting 50 homes.
- 265 calls answered by the ECC
- 103 calls transferred to 311/OUC

May 28 – 31, 2023

Fort Lincoln BWA

- Water main break turned into a boiled water advisory that affected multiple areas.
- 1363 calls answered by the ECC
- 137 calls transferred to 311/OUC (on 5/28 only)

Relationship



Improved service to our customers

“One Stop Shop” reducing customer frustration

Increased responsiveness during an emergency

Reduced Call Abandonment

Supports the response identified by the Flood Taskforce

DC Water and DC Government coordination and collaboration for customer’s benefit



Questions

East and West Outfall Relief Sewer (EWORS) Update



East and West Outfall Relief Sewer (EWORS) Update

Environmental Quality & Operations Committee

July 20, 2023



East Outfall Relief Sewer – at Structure 2A looking down stream

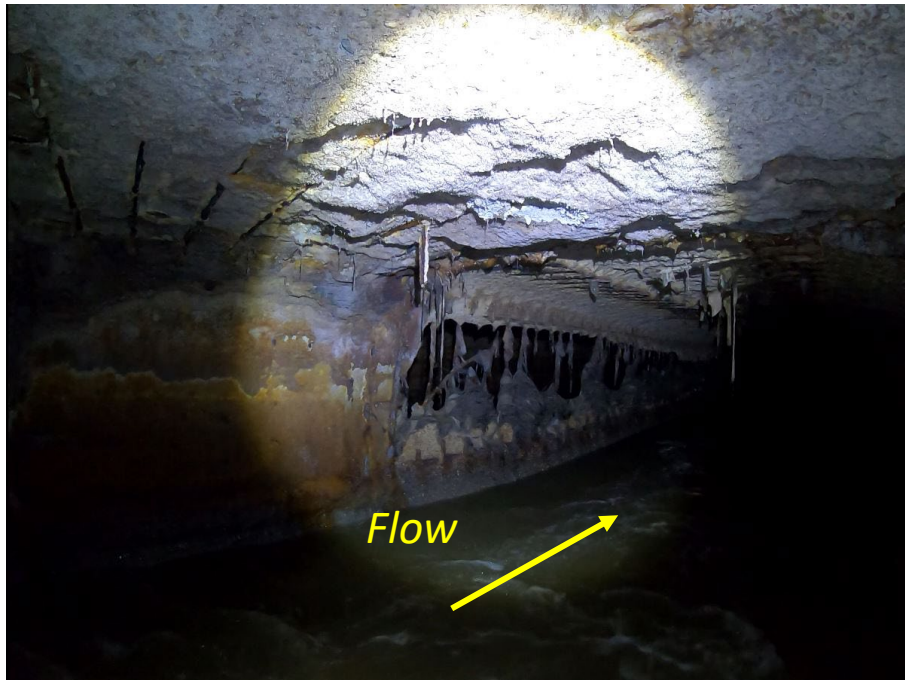


East Outfall Relief Sewer – 50 feet from Structure 2A looking down stream

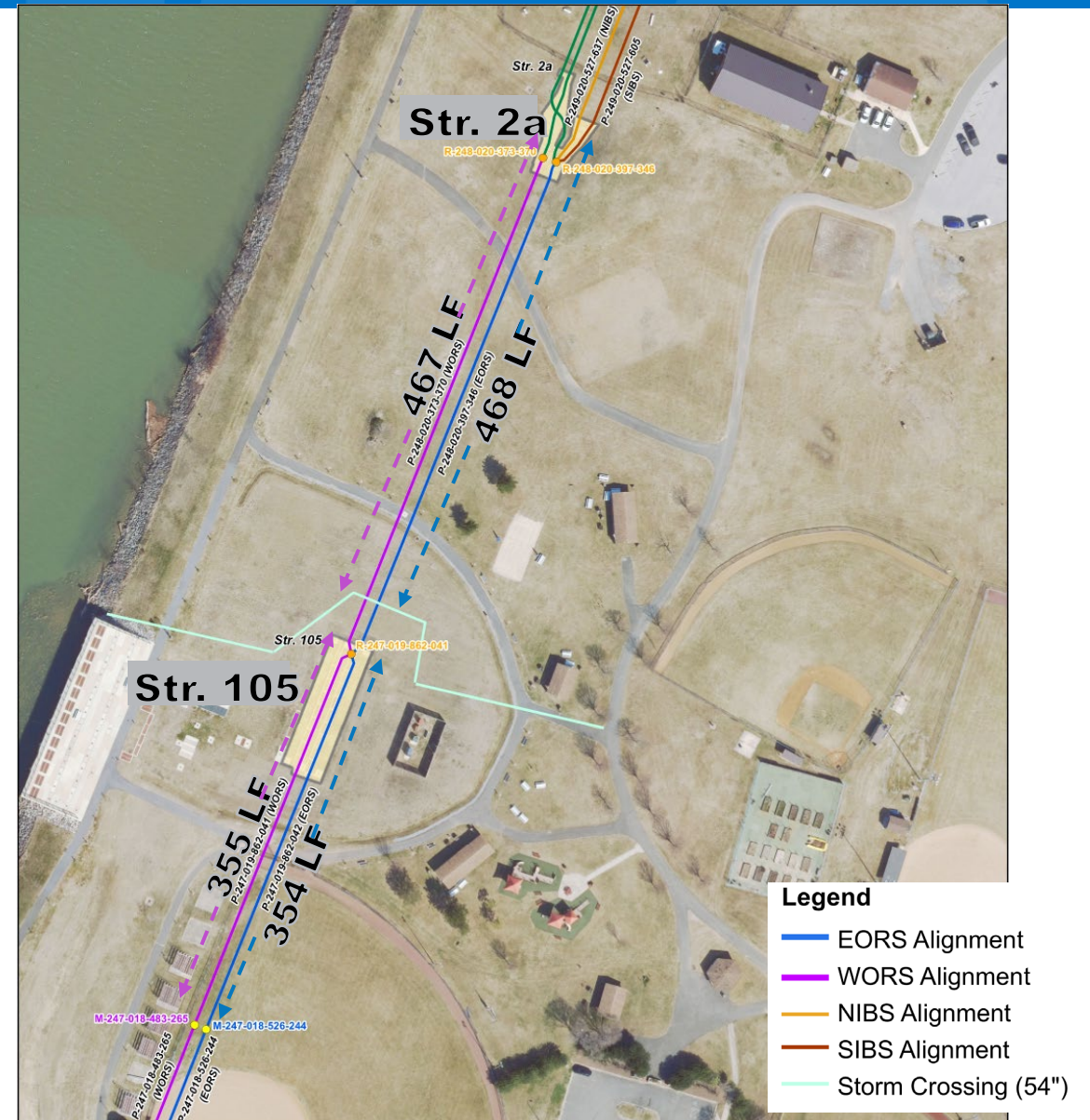
David Parker, Vice President, Engineering

5/1/2023: Structure 2A Manhole inspections –

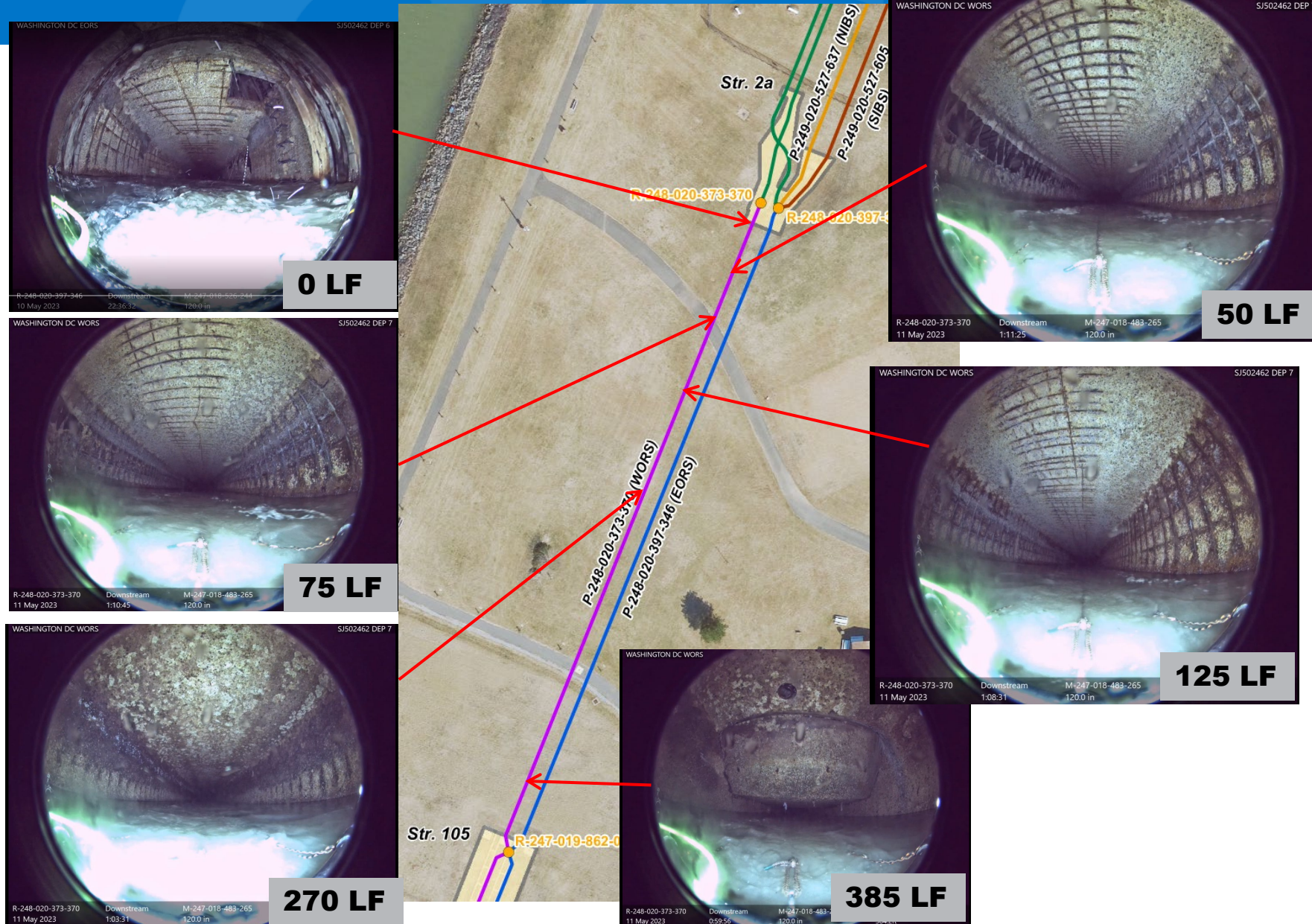
- Existing Major Sewer inspection project observed significant wall deterioration at Structure 2A.
- Initial identification of wall loss. Visible from both East & West Outfall Relief Sewers



West Outfall Relief Sewer - downstream

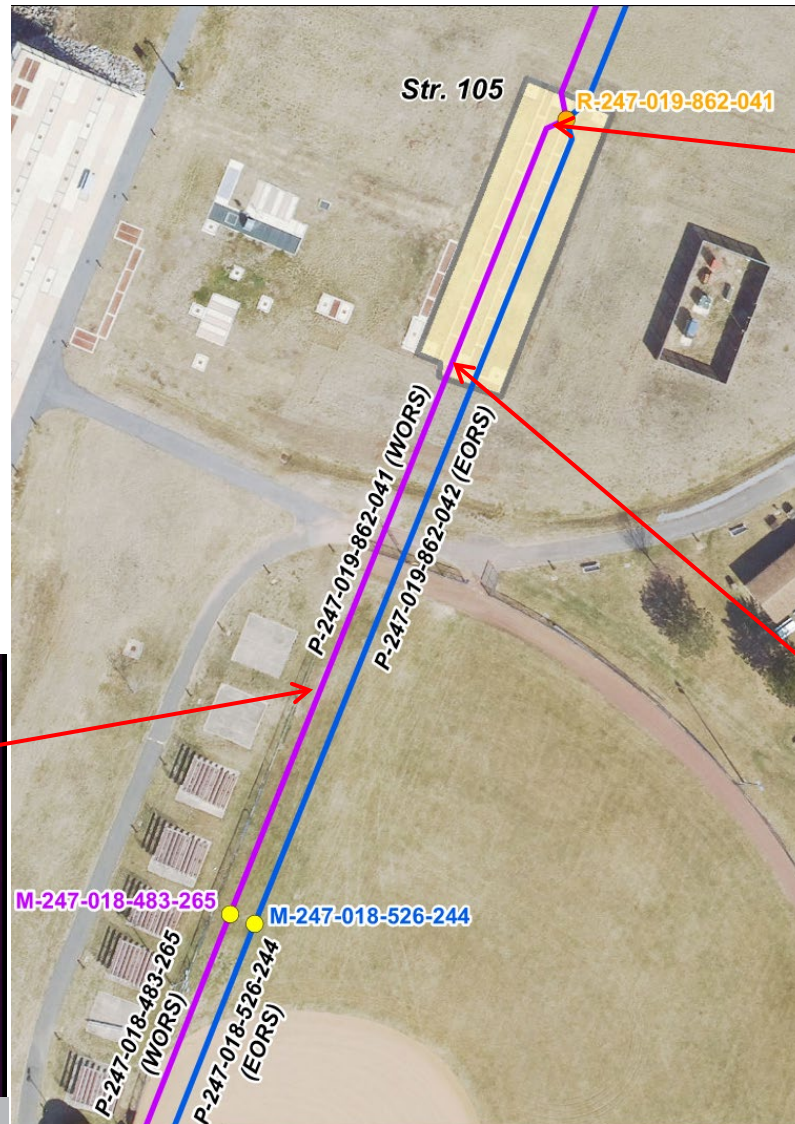


- 0 to 75 (ft) - Severe corrosion with missing wall
- 75 to 235 (ft) - Exposed reinforcement continues to be visible in the top slab
- 235 to 290 (ft) - Side wall reinforcement is visible until approx. 290 feet.

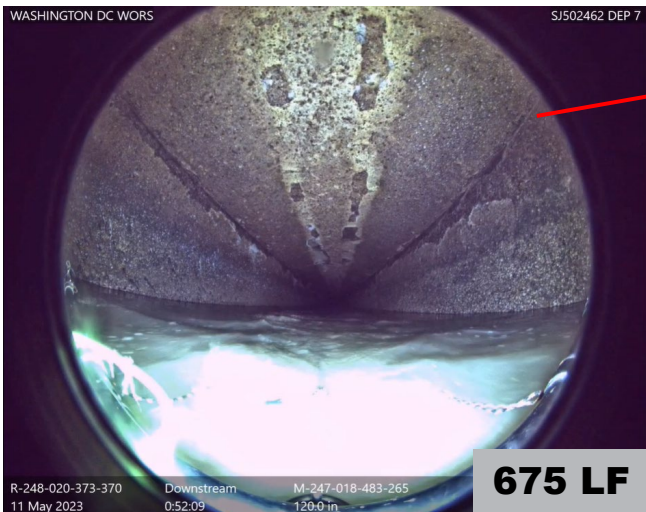


445 to 563 (ft) – Structure 105 - corrosion is less severe.

563 to 800 (ft) – Pipe shows no structural deterioration.



433 LF



675 LF



546 LF



The Work Plan

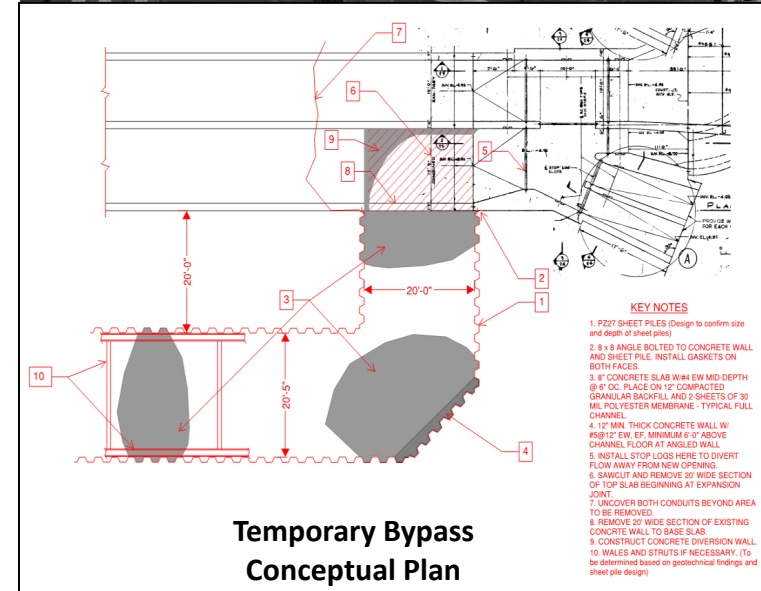
Incident Management Team (IMT) was activated on May 25th

Phase I Plan

- Secure site with jersey barriers, signage, and construction safety fencing
- Obtain Permits and Approvals
- Install temporary containment and secure upstream manhole covers
- Stabilize structure to reduce top slab failure potential
- Construct external gravity flow diversion (temporary bypass channel)
- Schedule: 06/01/2023 – 10/05/2023
 - 06/01-07/28/2023: Mobilization & top slab stabilization
 - 07/07-10/05/2023: Construct the open gravity channel
- Class V (planning level) estimate: \$7-15M

Phase 2 Plan

- Construction: Rehabilitation of the defective portion of the EWORS
- Schedule: 09/05/2023 – 05/31/2024
- Class V (planning level) estimate: ~\$7M



Immediate Risk - Collapse of the crown of EWORS

- Consequences

- Spill at Joint Base Anacostia-Bolling (JBAB) and/or Discharge to the Potomac River via CSO 024
- Construction debris impacting influent screens at Blue Plains AWWTP

- Mitigation

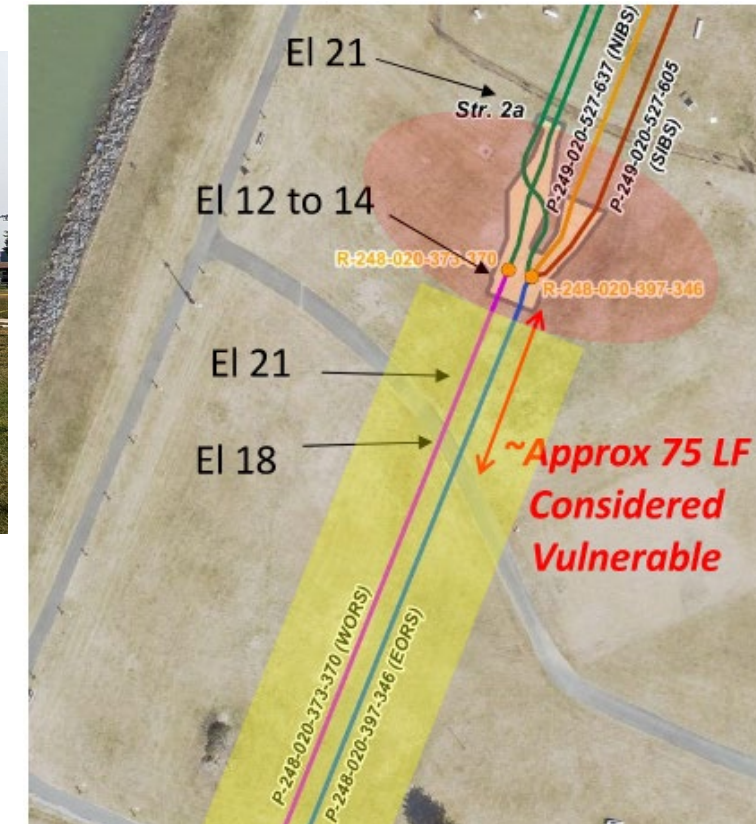
- Monitor the site daily
- Monitor weather, flow and the assets
- Establish Safety Zone
- Bolting MHs on NIBS/SIBS
- Remove the top slab
- Construct gravity bypass channel



- Failure Response

- Contractor mobilizes to the site within 2 hours upon notification of a failure.
- Contractor will have excavation equipment and a crane on site to respond to a failure event to stabilize the asset by removing debris that may be blocking the channel.
- Notify public and authorities per the Public Notification Plan

Spill Containment Area at Structure 2a



Status

- Permits and Approval:
 - DOEE: Erosion & Sediment Control (ESC) Permit.
 - EPA: Notice of Intent.
 - JBAB: Dig Permit
 - DOEE: Storm Water Pollution Prevention Plan.
 - DC Water & JBAB: Spill Containment Plan
 - DC Water: Site Specific Safety Plan

- Contractor (Spiniello):
 - Mobilization started 06/09/23
 - Utility Location – on going since 06/12/23
 - Excavation of the overburden – on going
 - Material supply - delivery of sheet piles expected end of the month.

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of Energy and Environment



June 6, 2023

Sent via email: William.Elledge@dcwater.com

William Elledge P.E.
Director, Department of Engineering and Technical Services
District of Columbia Water and Sewer Authority
5000 Overlook Avenue, SW
Washington, DC 20032

Re: EAST-WEST OUTFALL RELIEF SEWER - AUTHORIZATION TO PROCEED WITH EMERGENCY REPAIR ACTIVITIES

Mr. Elledge:

In accordance with the Water Pollution Control Act of 1984 ("WPCA"), D.C. Official Code § 8-103.06, 21 DCMR § 517.4, 21 DCMR § 541.1(d), and 21 DCMR § 2601.3, the Department of Energy and Environment (DOEE) hereby authorizes the District of Columbia Water and Sewer Authority (DC Water) to proceed with emergency repair activities associated with the deteriorated 147 inch East-West Outfall Relief Sewer (EWORS) located on the Joint Base Anacostia Bolling campus in the vicinity of MacDill Blvd SE and Arnold Ave SW.

Approximately 80 feet of the twin rectangular asset is severely compromised due to deterioration of the midspan wall and approximately 400 feet of the EWORS requires immediate repair. The EWORS conveys an average daily dry weather flow of 200 million gallons per day (mgd) with a wet weather peak flow of 700 mgd. The current degraded condition poses an immediate threat of collapse and constitutes a threat to life, limb, or property, and to District waters and the environment. The Authorization to Proceed is contingent upon DC Water's intent to immediately begin emergency repairs and DC Water's compliance with all conditions included in this authorization. If any of these circumstances change, DC Water shall immediately notify DOEE in accordance with the instructions below.

During the authorized emergency repair activities, DC Water shall comply with the following conditions. Failure to comply will result in the withdrawal of this authorization and DC Water will be required to take immediate corrective action before the work may proceed further.

1. Prior to any land disturbance activities, deploy erosion and sediment control practices to protect the entire limit of disturbance and/or emergency repair activities project area.

Design (Brown & Caldwell)

- Design of sheet piles complete.
- Design of the diversion gravity canal is being finalized.
- Developing rehabilitation options for Phase 2.

Daily Site Visits (Greeley & Hansen):

- Visit the site daily to check for sinkholes, signs of spill and use pole camera to inspect the top slab and walls looking d/s from Structure 2A for signs of worsening conditions – no changes to asset condition

DC Water:

- Welding of seven North and South Interconnecting Manholes (DPSO)
- Monitoring the asset, weather and flow (DETS & DPSO)
- Work to divert flow from Potomac PS (DPSO)
- Regular tactical meetings (DETS & DWT)
- Communications Plan (DETS, OEM, Marketing & Communications)

Str. 2A Pole Camera Inspection Field Report

Date: 07-06-2023

Weather: 86F, Dry

Contract: 220080-WSA - Lg Dia Condition Assessment

Inspector: Keith Hines

Location: JBAB Str. 2A





Time of Inspection: 9:00 AM

*Pole camera inspection of the top slab and walls looking d/s from Structure 2A, check for sinkholes, signs of spill, or signs of worsening conditions

NOTES:

No signs of sinkholes* or evidence of spills between Str 2a and Str 105. No evidence of worsening conditions. *Hydroexcavating was performed over pipe first few feet d/s of Str 2a.

East outfall Relief

Top Slab	Walls
	
	
<p>Notes: Similar conditions to previous inspections</p>	<p>Notes:</p>

Action Items



DCFA 536 Program Management for CSO
Long-Term Control Plan and Other Services
Environmental Quality & Operations Committee
July 20, 2023



Moussa Wone, Vice President, DC Clean Rivers Project
Reginald Scott, Manager, Capital Procurement

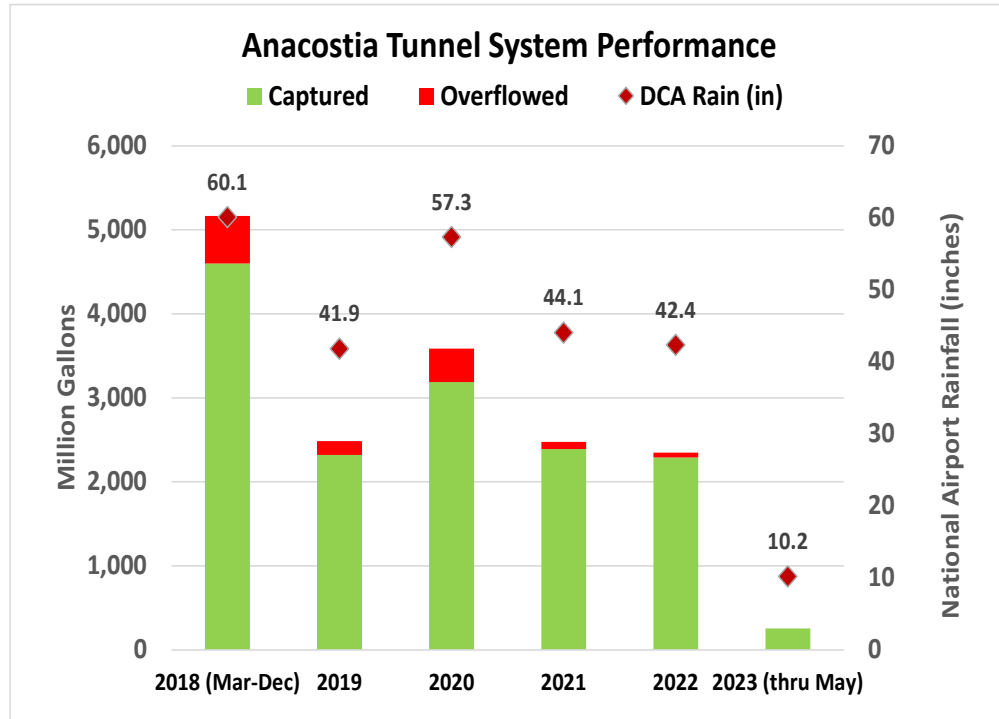
Moussa Wone, Vice President, Clean Rivers

- Clean Rivers Performance
- Remaining Work on Clean Rivers Project
- Program Implementation Model
- Past Performance
- Procurement
- Recommendation

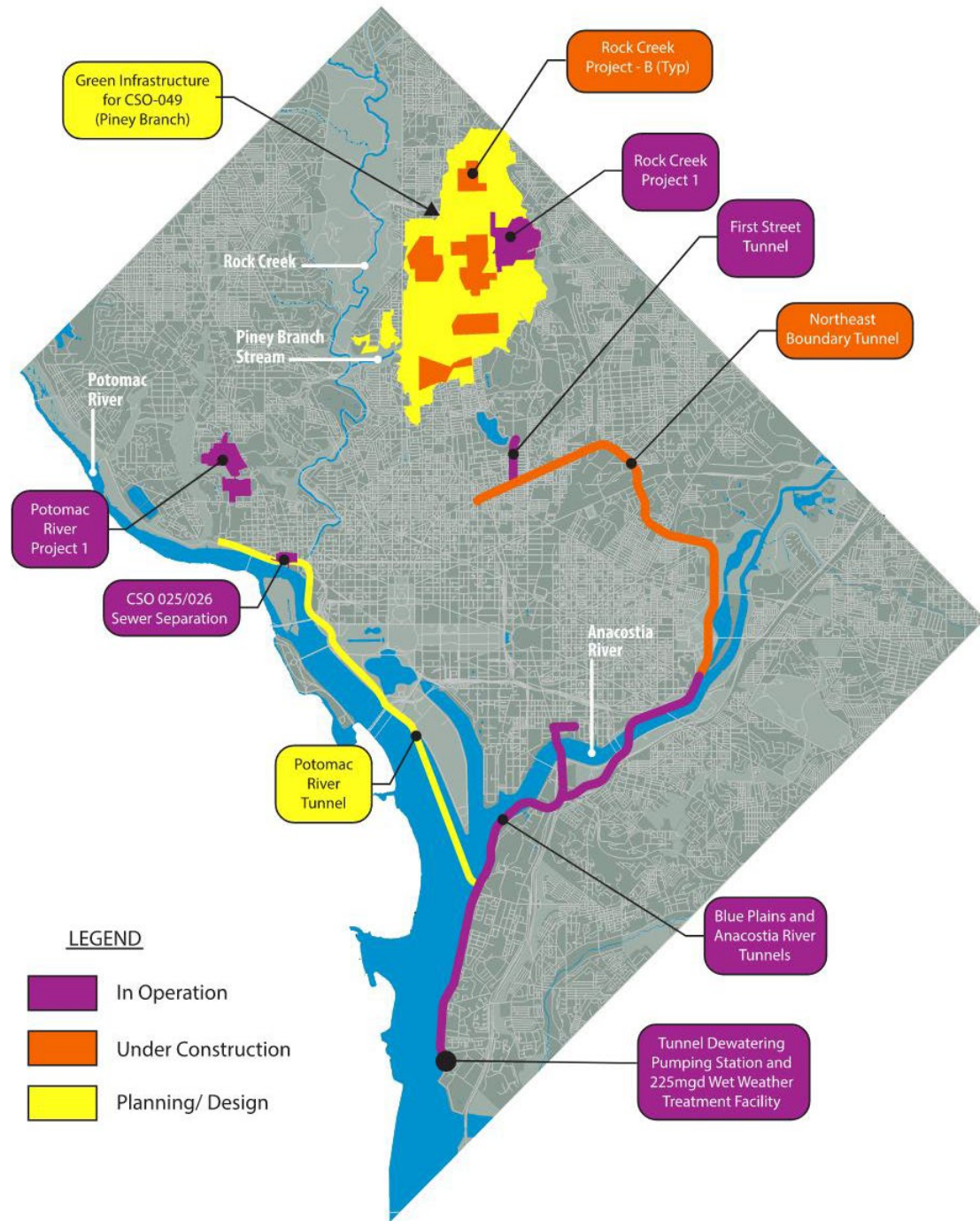




Clean Rivers Project Has Been Effective



- Over 15 billion gallons captured March 2018 – May 2023
- Over 9,545 tons of trash, debris, and other solids captured

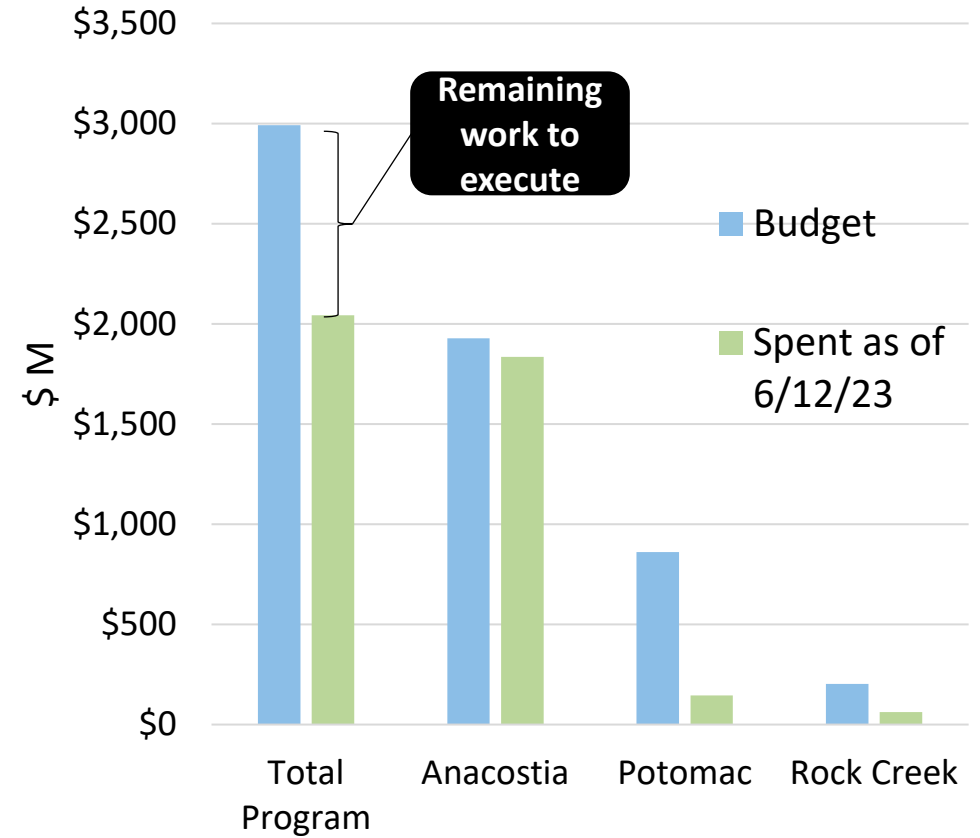




Remaining Projects to Complete Consent Decree

Project	Timeframe
Anacostia River	
Northeast Boundary Tunnel	2017-2023 (in construction)
Post Construction Monitoring	2024-2025
Potomac River	
Potomac River Tunnel	2024-2030
Post Construction Monitoring	2031
Rock Creek	
Green Infrastructure Project B	2022-2024 (in construction)
Green Infrastructure Project C	2025-2027
Green Infrastructure Project D	2028-2030
Piney Branch Storage	2026-2029
Post Construction Monitoring	After each GI project, then in 2031

Clean Rivers Project Budget





Schedule is Dictated by Consent Decree

Div	Description	FY2024		FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031
		2023	2024	2025	2026	2027	2028	2029	2030	2031
	Anacostia									
J	Northeast Boundary Tunnel	Odor F	Closeout							
	Potomac									
	PRT-B Switchgear	Submit	Pepco Coord							
PRT-B	Potomac Tunnel	Procurement	Design-Build						Closeout	
	Pre-Con Survey									
	Rock Creek									
RC-B	Rock Creek GI Project B	Const	Monitoring	PCM Repo						
RC-C	Rock Creek GI Project C	RFP	Procurement	Construction		Monitoring	PCM repor			
RC-D	Rock Creek GI Project D			RFP	Procurement	Construction		Monitoring	PCM repor	
			Const Manager Procurement for RC-C, RC-D							
	GI Maintenance	Manage Contractor								
			RFP	Procurement						
	Rock Creek Storage	RFP	Procurement	Design-Build						
			RFQ for D-B							
			Const Manager Procurement							
	Regulatory									
	NPDES Permit Reissuance					Reapplication				
	Post Constr Monitoring		PCM P Monitoring	PCM Repo					PCM P Monitoring	PCM Repo
	WQS Triennial Review									
	NMC Annual Report									
	CD & DSS Quarterly Rpts									
	MS4 permit									

DC Water evaluated organizational models to implement the program

Keep DC Clean Rivers
within DC Water's
Engineering Dept.

VS.

Make DC Clean Rivers a
separate department

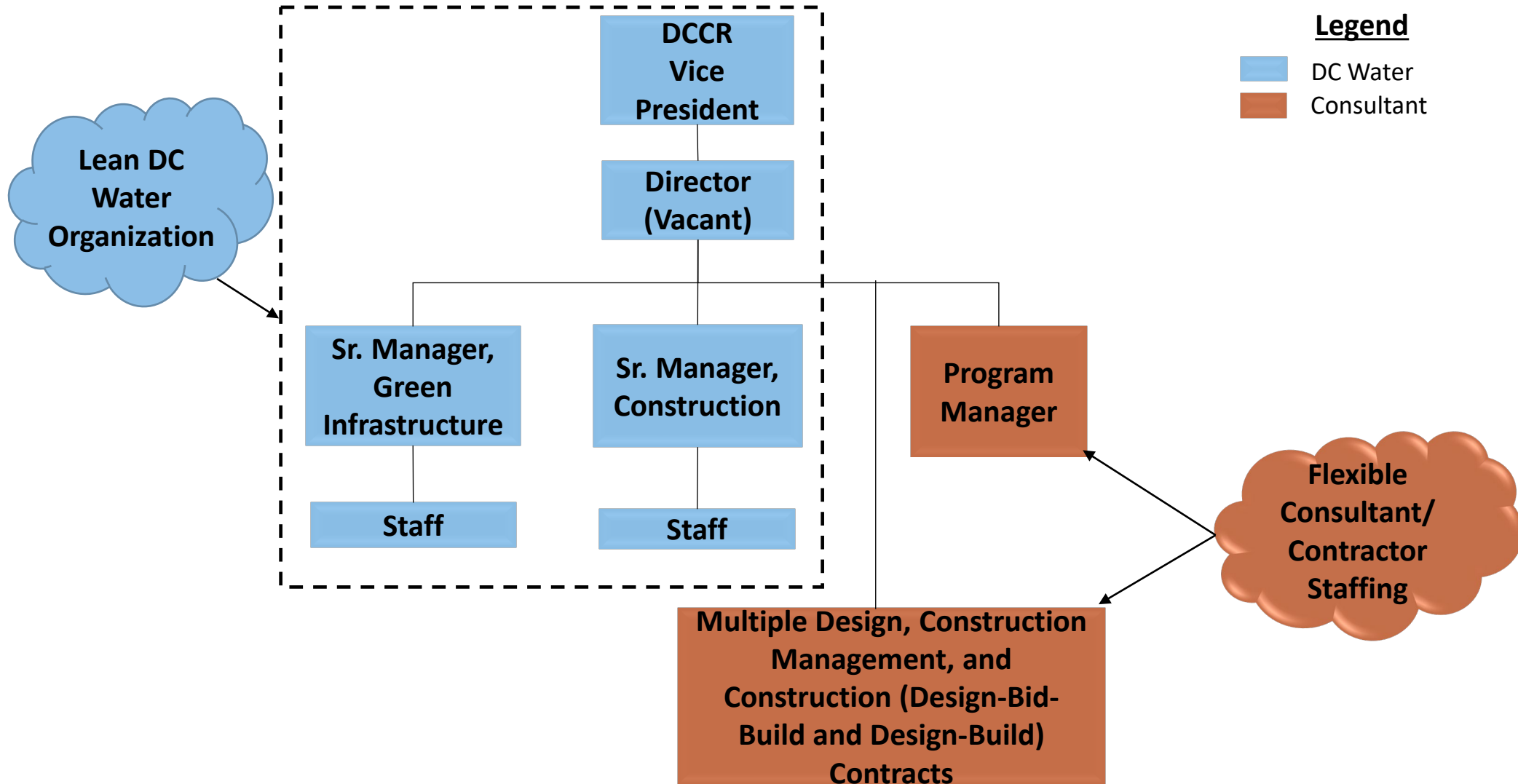
Large Owner organization

VS.

Tailored Owner organization



Selected



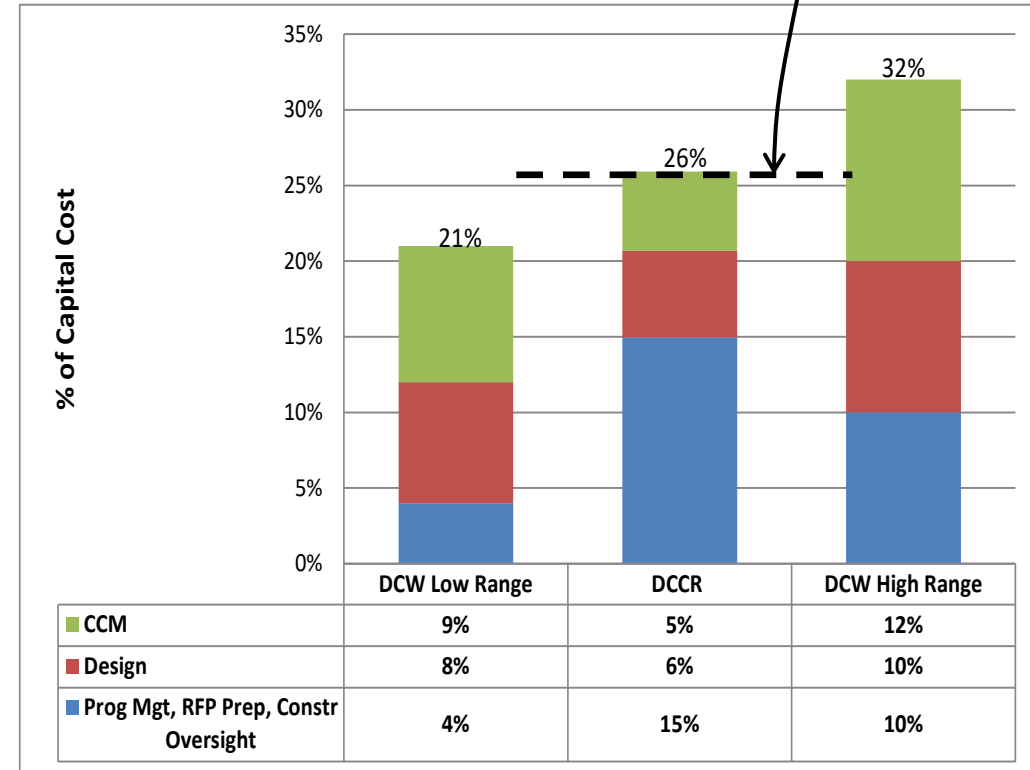


Benchmarking: Clean Rivers Planning/Engineering/CM Costs vs. DC Water Typical Ranges for Work Outside of Blue Plains

Activity
1. Program Administration
2. Operational Plan & Hydraulic Design
3. Establish design and guidelines for tunnels and GI
4. Right of way and easements acquisitions
5. Agency coordination and permits
6. Subsurface boring program
7. Geotechnical investigations, boring, testing and interpretation
8. Geotechnical Data and Baseline Reports
9. Environmental Data and Baseline Reports
10. Risk management planning
11. Cost estimating
12. Financial planning, budget development
13. Design consultants & construction managers monitoring & quality control
14. Public and other third-party outreach
15. NEPA documentation
16. Regulatory/permitting assistance

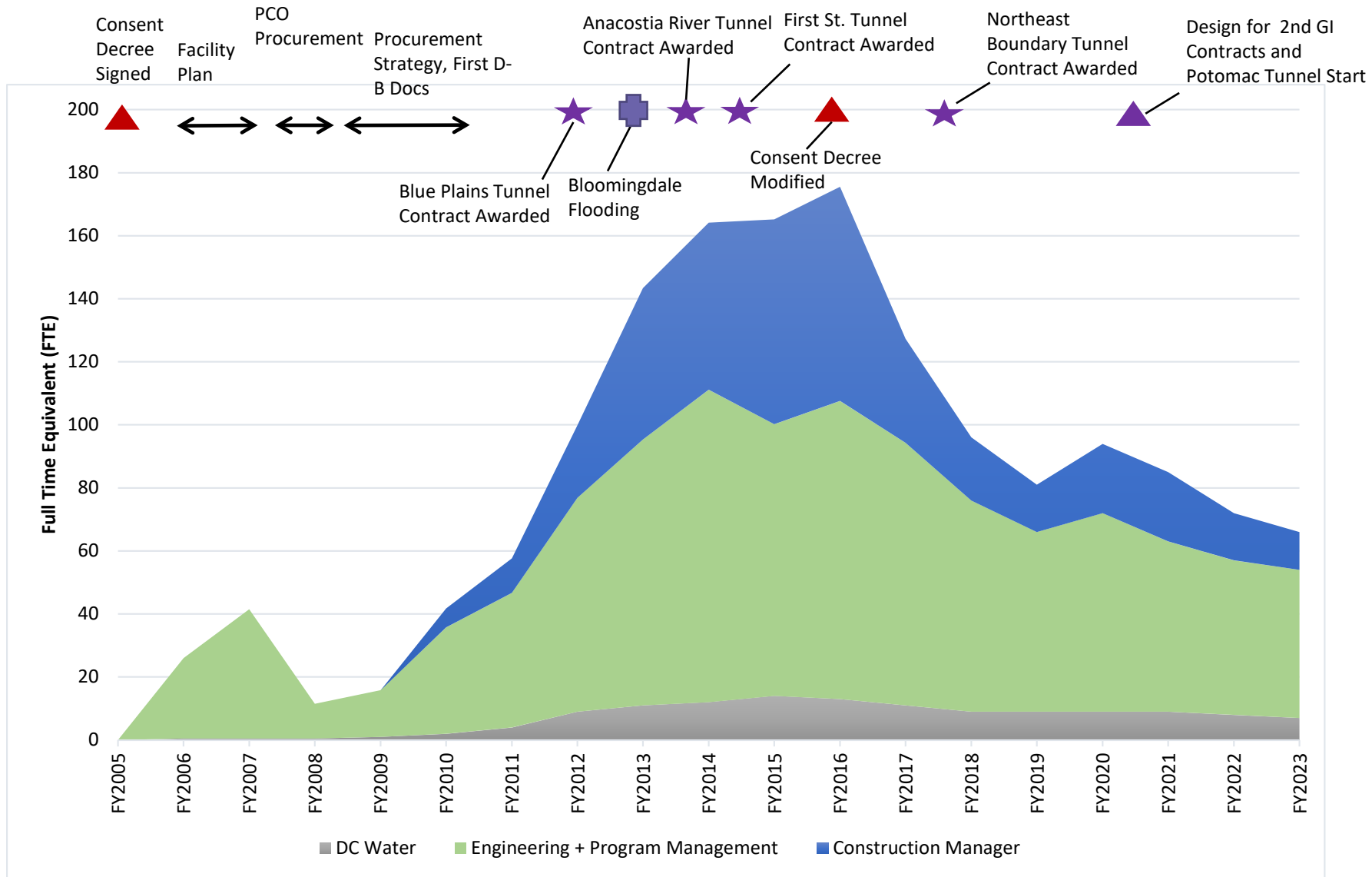
Services Assigned to DCCR Program Management

Total costs in middle of range





Management Approach allows Program Staffing to Change to Match Needs



Schedule

- Met all **Consent Decree Milestones** to date

DBE/WBE (as of April 2023)

- DBE – 28%
- WBE – 4%
- CBE – 51%

Met Goals

Safety

- More than **3.9 million** work hours on construction projects last 5 years performed safely

Permits, Easements & MOUs

- More than **1,000 permits**
- More than 50 easements and 60 agreements

Performance

- Captured **15 billion gallons** on Anacostia (2018-May 2023)
- 92% volume reduction, exceeding 80% predicted at this stage

Schedule Extension

- Developed Green Infrastructure plan, secured Consent Decree modification extending implementation period by 5 years

Reginald Scott, Manager Capital Procurement





Firms in Proposed Contract

Note: Much of staff is located in on-site office at Blue Plains

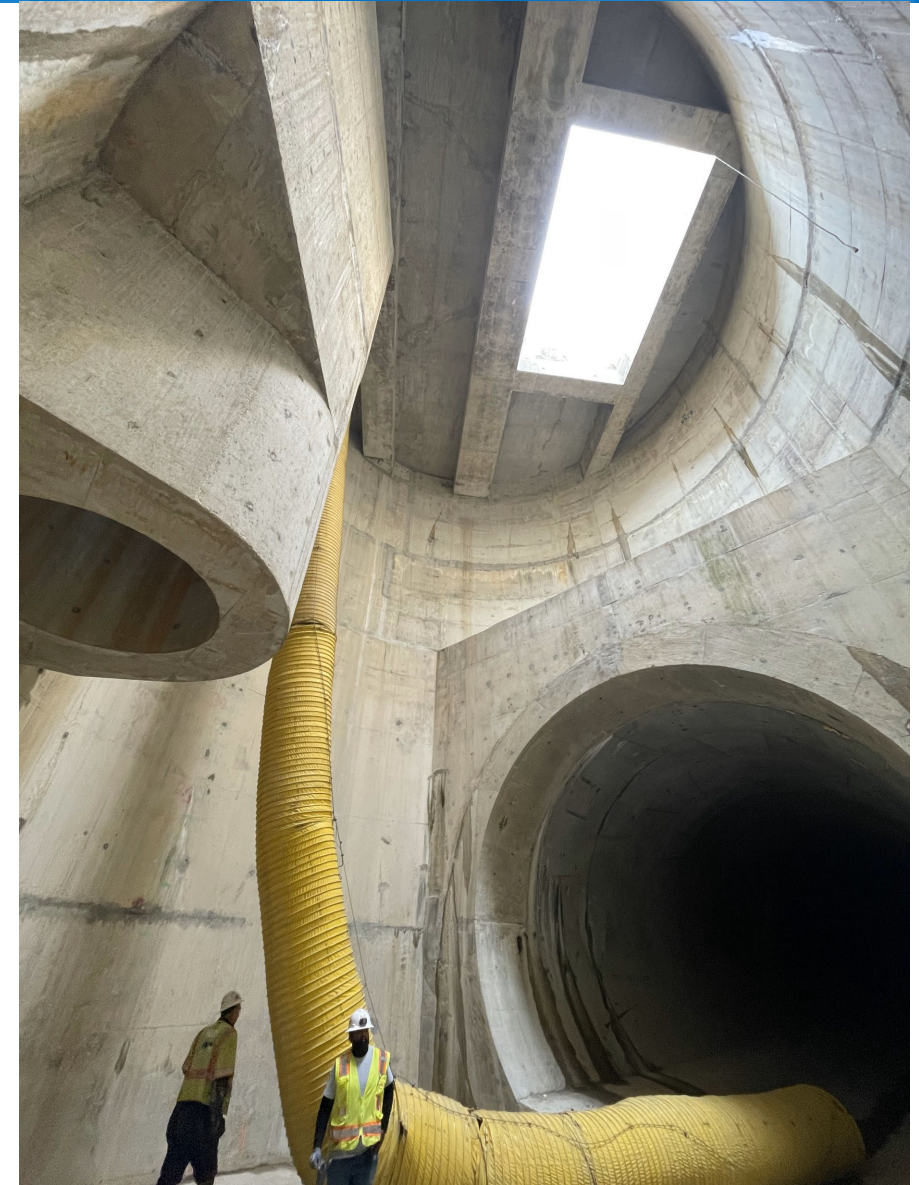
Prime	DBE	WBE	CBE	Non DBE/WBE/CBE
Greeley and Hansen Alexandria, VA	Delon Hampton & Associates Washington, DC 20001	Mckissack & Mckissack Washington, DC 20001	Delon Hampton & Associates Washington, DC 20001	AECOM Arlington, VA
	JCK Associates Boston, MA 02205	DP Consultants Washington, DC 20005	IDS Consulting, LLC* Washington, DC 20026	Delve Underground Seattle, WA 98104
	Shrewsbury & Associates, LLC Indianapolis, IN 46256	LS Caldwell & Associates, Inc Washington, DC 20011	Foxxstem* Washington, DC 20003	FusionTek Kirkland, WA 98103
	MNK Consultant Woodbridge, VA 22192	Rice Associates, Inc Manassas, VA 20109	Univ. of District of Columbia Washington, DC 20008	Hazen & Sawyer Fairfax, VA
	PL Associates, Inc * Washington, DC 20004		Interagency Washington, DC 20003	Infrastructure Project Services Vienna, VA
	Interagency Washington, DC 20003		LS Caldwell & Associates, Inc Washington, DC 20011	Johnson, Miriam & Thompson Hunt Valley, MD
	J-DOS Internationale Washington, DC 20011			Limno-Tech, Inc Washington, DC
	EBA Engineering * Laurel, MD 20707			Pini Group USA, Inc* Washington, DC 20002
	E2CR, Inc Baltimore, MD 21227			Stantec Consulting Laurel, MD

- Many firms have grown with the program since its inception, helping DC Water achieve its goals
- New firms have been added to the Program Management Team, continuing to expand opportunities (*)
- DBE/WBE/CBE participation goals per RFP are 28%/4%/50%. **Based on current projected services, targeted participation is 31%/6%/54%.**

- Greeley and Hansen team is composed of firms serving on both the current Program Management contract and new DBE/CBE firms added for the upcoming phase of work

Criteria in RFP	Finding
Professional qualifications necessary for satisfactory performance	✓
Specialized experience and technical competence of firm and proposed personnel	✓
Capacity to perform work	✓
Past performance on contracts with DC Water and others	✓
Familiarity with types of problems applicable and means for resolution	✓
Avoidance of personal and organizational conflicts of interest	✓
Commitment to DBE/WBE/CBE goals	✓
Proposed method to accomplish the work	✓

- Assigned construction management roles to separate Construction Manager
- Used lessons learned and experience on previous tunnels (Blue Plains, Anacostia, First Street, Northeast Boundary) to structure project and estimate engineering costs
- Reduced staffing in Program Manager by combining positions
- Structured approaches to:
 - Risk management
 - Permitting
 - Environmental compliance
- Use procurement approach that provides for collaboration with bidding contractors to reduce unknowns, manage risks and obtain the best ideas for construction
- Set contract term at 5 years with two one-year options to better manage risks





Additional DC Water Evaluations

- Would reissuing the procurement result in additional competition?
 - Unlikely, due to the specialized experience required
 - Reissuing would also result in delays, jeopardizing meeting schedule deadlines
- Would restructuring the nature of the contract result in a more economical cost?
 - Unlikely. There would be substantial costs associated with bringing a new team up to speed and on board that would increase costs.
 - Further, DC Water has significant experience on the cost to perform the services required that was used in the negotiations to assure fair value
- Should DC Water move ahead?
 - Staff recommendation is yes.
 - Not moving ahead means DC Water will need to perform work with in-house staff or with new hires. Skill sets for this specialty work do not exist in-house and would be difficult to hire quickly.
 - Would be difficult to reduce DC Water staff when no longer needed
 - Exposes DC Water to risk of not meeting Consent Decree deadlines
 - Costs will be incurred in other areas at higher levels

- It is the Contracting Officer's recommendation that Greeley and Hansen be awarded the Professional Services contract in the amount of \$103,416,990.00.

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

ACTION REQUESTED

ENGINEERING SERVICES:

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

Approval to execute an architectural and engineering services contract for \$103,416,990.00 for a base period of five years plus two periods of one year each. The renewal periods will be approved at DC Waters sole discretion pending acceptable performance.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Greeley and Hansen LLC 5301 Shawnee Road, Suite 400 Alexandria, VA 22312	DBE/WBE/CBE Eligible Amounts: Tunnel and Shared Services: \$94,633,679.00 DBE: \$ 26,497,431.00 WBE: \$ 3,785,349.00	
<u>Headquarters</u> Chicago, IL 60606	Green Infrastructure Services: \$ 8,783,311.00 CBE: \$ 4,391,656.00	28.0% 4.0%
	See Attachment A for list of DBE/WBE/CBE participants	50.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$103,416,990.00
 Contract Time: 1,827 Days (5 Years, 0 Months)
 No. of Option Years in Contract: 2
 Anticipated Contract Start Date: 10-01-2023
 Anticipated Contract Completion Date: 09-30-2028
 Other firms submitting proposals/qualification statements:

None

Purpose of the Contract:

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

This work is required by a Consent Decree.

Contract Scope:

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

PROCUREMENT INFORMATION

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

BUDGET INFORMATION

Funding:	Capital	Department:	DC Clean Rivers Project
Service Area:	Combined Sewer Overflow	Department Head:	Moussa Wone
Project:	CY, CZ, DZ		

ESTIMATED USER SHARE INFORMATION

CY – Allocation (LTCP- Northeast Boundary Tunnel: CSO 019 to W Street)¹

User	Share %	Dollar Amount
District of Columbia	92.90%	\$ 432,439.93
Federal Funds ²	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	5.54%	\$ 25,788.13
Fairfax County	1.01%	\$ 4,701.45
Loudoun County & Potomac Interceptor	0.55%	\$ 2,560.19
Total Estimated Dollar Amount	100.00%	\$ 465,489.70

CY – Allocation (CAPM Northeast Boundary Tunnel: W Street to R Street)¹

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 524,913.92
Federal Funds ²	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	0.00%	\$ 0.00
Fairfax County	0.00%	\$ 0.00
Loudoun County & Potomac Interceptor	0.00%	\$ 0.00
Total Estimated Dollar Amount	100.00%	\$ 524,913.92

CZ – Allocation (LTCP – Potomac River Tunnel)¹

User	Share %	Dollar Amount
District of Columbia	92.90%	\$55,395,828.78
Federal Funds ²	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	5.54%	\$ 3,303,475.69
Fairfax County	1.01%	\$ 602,258.20
Loudoun County & Potomac Interceptor	0.55%	\$ 327,962.39
Total Estimated Dollar Amount	100.00%	\$59,629,525.06

CZ – Allocation (CAPM Potomac River Tunnel)¹

User	Share %	Dollar Amount
District of Columbia	100.00%	\$11,055,070.79
Federal Funds ²	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	0.00%	\$ 0.00
Fairfax County	0.00%	\$ 0.00
Loudoun County & Potomac Interceptor	0.00%	\$ 0.00
Total Estimated Dollar Amount	100.00%	\$11,055,070.79

DZ – Allocation (CAPM – Rock Creek Storage and Green Infrastructure)¹

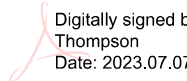
User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 31,741,990.53
Federal Funds ²	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	0.00%	\$ 0.00
Fairfax County	0.00%	\$ 0.00
Loudoun County & Potomac Interceptor	0.00%	\$ 0.00
Total Estimated Dollar Amount	100.00%	\$ 31,741,990.53

Total Combined Allocation¹

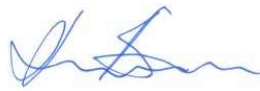
User	Share %	Dollar Amount
District of Columbia	95.87%	\$ 99,150,243.95
Federal Funds ²	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	3.22%	\$ 3,329,263.82
Fairfax County	0.59%	\$ 606,959.65
Loudoun County & Potomac Interceptor	0.32%	\$ 330,522.58
Total Estimated Dollar Amount	100.00%	\$103,416,990.00

- ¹ Allocations are approximate. Under the terms of the IMA, the capital cost of the CSO Long Term Control Plan is apportioned to the Jurisdictions based on the proportion of facilities determined to be Multi-Jurisdiction Use Facilities. As tasks are assigned for work associated with specific facilities, costs will be allocated accordingly.
- ² Eligible for Federal Appropriation Funding. Appropriation funding is insufficient to fund all eligible contracts. Federal Appropriations Funding may be used if additional funding becomes available or if other eligible projects are postponed.

Jeffrey F.
Thompson

 Digitally signed by Jeffrey F. Thompson
Date: 2023.07.07 15:47:28 -04'00'

Jeffrey F. Thompson _____ Date
Chief Operating Officer, EVP



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: 2023.07.10 10:01:57 -04'00'

Dan Bae _____ Date
VP of Procurement

Lola Oyeyemi

Digitally signed by Lola Oyeyemi
Date: 2023.07.11 12:02:32
-04'00'

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

David L. Gadis _____ Date
CEO and General Manager

ATTACHMENT A - SUBCONTRACTOR LISTING

PARTICIPATION AND DOLLAR AMOUNT

SUBCONSULTANT:		PARTICIPATION:	AMOUNT:
DBE/WBE Applicable to Tunnel and Shared Services:			
Delon Hampton & Associates Washington, DC 20001	DBE	7.05%	\$ 6,667,283.00
JCK Associates Boston, MA 02205	DBE	5.15%	\$ 4,876,723.00
Shrewsberry & Associates, LLC Indianapolis, IN 46256	DBE	4.01%	\$ 3,796,643.00
MNK Consultant Woodbridge, VA 22192	DBE	2.41%	\$ 2,280,251.00
PL Associates, Inc Washington, DC 20004	DBE, Note (1)	4.36%	\$ 4,126,945.00
Interagency Washington, DC 20003	DBE	2.02%	\$ 1,913,767.00
J-DOS Internationale Washington, DC 20011	DBE	1.39%	\$ 1,312,789.00
EBA Engineering Laurel, MD 20707	DBE, Note (1)	1.23%	\$ 1,160,079.00
E2CR, Inc Baltimore, MD 21227	DBE	<u>0.38%</u>	<u>\$ 362,951.00</u>
Subtotal DBE		28.00%	\$ 26,497,431.00
Mckissack & Mckissack Washington, DC 20001	WBE	1.40%	\$ 1,326,511.00
DP Consultants Washington, DC 20005	WBE	1.23%	\$ 1,160,185.00
LS Caldwell & Associates, Inc Washington, DC 20011	WBE	0.85%	\$ 801,492.00
Rice Associates, Inc Manassas, VA 20109	WBE	<u>0.53%</u>	<u>\$ 497,161.00</u>
Subtotal WBE		4.01%	\$ 3,785,349.00
CBE Applicable to GI-Dedicated Services:			
Delon Hampton & Associates Washington, DC 20001	CBE	22.62%	\$ 1,986,876.00
IDS Consulting, LLC Washington, DC 20026	CBE Note (1)	12.71%	\$ 1,116,239.00
Foxxstem Washington, DC 20003	CBE Note (1)	6.32%	\$ 554,833.00
Univ. of District of Columbia Washington, DC 20008	CBE	5.78%	\$ 507,671.00
Interagency Washington, DC 20003	CBE	1.58%	\$ 138,715.00
LS Caldwell & Associates, Inc Washington, DC 20011	CBE	<u>0.99%</u>	<u>\$ 87,322.00</u>
Subtotal CBE		50.00%	\$ 4,391,656.00

SUBCONSULTANT:		PARTICIPATION:	AMOUNT:
Non-DBE/WBE/CBE Subconsultants			
AECOM Arlington, VA	N/A	Note (2)	Note (2)
Delve Underground Seattle, WA 98104	N/A	Note (2)	Note (2)
FusionTek Kirkland, WA 98103	N/A	Note (2)	Note (2)
G&H Architects Chicago, IL 60606	N/A	Note (2)	Note (2)
Hazen & Sawyer Fairfax, VA	N/A	Note (2)	Note (2)
Infrastructure Project Services Vienna, VA	N/A	Note (2)	Note (2)
Johnson, Miriam & Thompson Hunt Valley, MD	N/A	Note (2)	Note (2)
Limno-Tech, Inc Washington, DC	N/A	Note (2)	Note (2)
Pini Group USA, Inc Washington, DC 20002	N/A Note 1	Note (2)	Note (2)
Stantec Consulting Laurel, MD	N/A	Note (2)	Note (2)

Notes:

- (1) New firm added to Clean Rivers Program Management Team
- (2) The level of participation is dependent on the nature of services required to implement the project

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

ACTION REQUESTED

**MEMORANDUM OF UNDERSTANDING AGREEMENT:
Long Term Control Plan Well Permit Reviews
(Joint Use)**

Approval of additional funding for the executed Memorandum of Understanding (MOU) between the District of Columbia Department of Energy and Environment and DC Water for \$1,620,000.00. The funding request exceeds the General Manager's approval authority.

PARTY INFORMATION

PARTY:	SUBS:	PARTICIPATION:
District of Columbia Department of Energy and Environment 1200 First Street, NW Washington, DC 20002	Not Applicable	Not Applicable

DESCRIPTION AND PURPOSE

MOU Value Paid FY2015-FY2023	\$ 977,688.64
MOU Value FY2024 to FY2031, Not-To-Exceed:	\$1,620,000.00
MOU Time:	5,626 Days (15 Years, 5 Months)
MOU Start Date:	08-06-2015
Anticipated MOU Completion Date:	12-31-2030

Purpose of the MOU:

To provide for expedited permits from the District Department of Energy and Environment for wells, instrumentation, dewatering, geotechnical investigations and environmental investigations necessary to allow construction of the Clean Rivers Project. Definitive timelines and expediting of permits are required to meet aggressive deadlines in the Consent Decree

This work is required by a Consent Decree.

MOU Scope:

- From FY2024 to FY2031, the MOU specifies timelines for DOEE to issue permits for well permit reviews allowing construction to proceed. Estimated costs for FY2024 to FY2031 are \$1,620,000.00.
- From FY2015 to FY2023, the MOU provided for expediting permits for projects on the Anacostia River, Potomac River and Rock Creek. Total costs for FY2015 to FY2023 have been \$977,688.64.

Federal Grant Status:

- Work under this MOU is not eligible for Federal grant funding assistance.

AGREEMENT INFORMATION

Contract Type:	MOU	Award Based On:	N/A
Commodity:	Construction	Contract Number:	N/A

BUDGET INFORMATION

Funding:	Capital	Department:	Clean Rivers
Service Area:	Combined Sewer Overflow	Department Head:	Moussa Wone
Project:	CY		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	94.91%	\$1,537,542.00
Federal Funds ¹	0.00%	\$ 0.00
Washington Suburban Sanitary Commission	3.97%	\$ 64,314.00
Fairfax County	0.71%	\$ 11,502.00
Loudoun County & Potomac Interceptor	0.41%	\$ 6,642.00
Total Estimated Dollar Amount	100.00%	\$1,620,000.00

¹ Eligible for Federal Appropriation Funding. Appropriation funding is insufficient to fund all eligible contracts. Federal Appropriations Funding may be used if additional funding becomes available or if other eligible projects are postponed.

**Jeffrey F.
Thompson**

Digitally signed by Jeffrey F. Thompson
Date: 2023.07.07 15:51:05 -04'00' /

Jeffrey F. Thompson _____ Date
Chief Operating Officer, EVP



Digitally signed by Dan Bae
DN: C=US, E=dan.bae@dowater.com, O=District of Columbia Water and Sewer Authority, OU=VP of Procurement & Compliance, CN=Dan Bae
Date: 2023.07.10 07:48:11-04'00'

Dan Bae _____ Date
VP of Procurement

Lola Oyeyemi

Digitally signed by Lola Oyeyemi
Date: 2023.07.10 17:13:04 -04'00'

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

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

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

ACTION REQUESTED

CONSTRUCTION CONTRACT CHANGE ORDER:

**Emergency Sewer Main IR&R Contract for FY21–FY23
(Joint Use)**

Approval to execute Change Order No. 07 for \$10,000,000. The modification exceeds the Chief Executive Officer’s approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Spiniello Companies 3500 East Biddle Street Baltimore, MD 21213	United Construction Services, LLC Washington, DC	DBE 7.0%
	Bulldog Distribution Trucking, LLC Beltsville, MD	DBE 16.5%
	Empire Landscape, LLC Silver Spring, MD	DBE 4.2%
	Arthur Engineering Services, LLC Laurel, MD	DBE 4.3%
	RAM Olney, MD	WBE 6.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$16,011,710
Value of this Change Order:	\$10,000,000
Cumulative CO Value, including this CO:	\$25,450,000
Current Contract Value, including this CO:	\$41,461,710
Original Contract Time:	1096 Days (3 Years, 0 Months)
Time extension, this CO:	262 Days
Total CO contract time extension:	262 Days (0 Years, 8 Months)
Contract Start Date (NTP):	11-12-2020
Anticipated Contract Completion Date:	07-31-2024
Cumulative CO % of Original Contract:	159%
Contract Completion %:	60%

Purpose of the Contract:

This contract provides emergency and urgent sewer infrastructure rehab and replacement services at various public space locations in Washington, DC.

Original Contract Scope:

DC Water will award an Indefinite Delivery and Indefinite Quantity (IDIQ) contract to the selected contractor. As emergency or urgent work is identified, DC Water Sewer Operations will develop scopes of work, negotiate costs using pre-established pricing, and issue task orders to the contractor. Joint-use cost share amounts will be determined, communicated, and billed per existing joint-use procedures. Typical task order scopes may include:

- Emergency or Scheduled Rehab and Replacement of Sewer & Infrastructure
- Cleaning & CCTV Inspection of Sewer Main
- Sewer Bypass Pumping

Previous Change Order Scope:

To support the start of DC Water’s Lead-Free DC (LFDC) Program which will replace all lead service lines in the District by 2030. The change order of this contract provided construction resources for FY22 block-by-block

lead service line replacement projects through the LFDC Capital Improvement Project and Emergency Repair Replacement (CIPERR) program for both the private and public sides. Funding for the private side replacement is contingent upon funds to be appropriated in the District's budget and transferred to DC Water through a future Memorandum of Understanding. DC Water will reimburse itself for costs incurred on the private side.

Current Change Order Scope:

During a routine manhole inspection at Structure 2A on Monday 5/1/23, it was observed that the pipe wall between the East Outfall Relief Sewer and the West Outfall Relief Sewer downstream of Structure 2A was severely compromised. The full inspection later showed that the pipe had lost 75 LF of the central pipe wall immediately downstream of Structure 2A. Additionally, the crown of both pipes showed signs of severe corrosion, exposed rebar, and missing rebar from Structure 2A to Structure 105, approximately 467 LF. Structure 2A and Structure 105 are both located at Geisboro Park on Joint Base Anacostia-Bolling.

The emergency rehabilitation work is split into two phases. Phase 1 is stabilizing of the structure and constructing a gravity diversion structure. Phase 2 is rehabilitation of the two relief sewers using reinforced geopolymer application.

This change order is only for Phase 1 of the work and the scope of work includes:

- Securing the area from vehicular and human traffic.
- Vacuum excavation of the overburden to the top of the two relief sewers.
- Remove the top slab of the first 75-ft of the two relief sewers.
Construct open channel flow diversion using sheet piling.

Federal Grant Status:

- This Construction Contract is not eligible for Federal grant funding assistance.

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Best Value
Commodity:	Construction	Contract Number:	200020
Contractor Market:	Open Market		

BUDGET INFORMATION


Funding:	Capital	Department:	Sewer Services
Service Area:	Sewer	Department Head:	Kenrick St. Louis
Project:	RE		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	39.37%	\$ 3,937,000.00
Washington Suburban Sanitary Commission	44.78%	\$ 4,478,000.00
Fairfax County	11.95%	\$ 1,195,000.00
Loudoun County & Potomac Interceptor	3.90%	\$ 390,000.00
Total Estimated Dollar Amount	100.00%	\$ 10,000,000.00

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 Jeffrey F. Thompson Date
 Chief Operating Officer, EVP

Lola Oyeyemi
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 for Matthew T. Brown Date
 CFO and EVP
 Finance, Procurement and Compliance Cluster


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 Dan Bae Date
 VP of Procurement

_____/_____
 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:

**Permit Support Services
Joint Use**

Approval to execute an architectural and engineering services contract not to exceed \$5,300,000.00 for a base period of three years plus two renewal periods of one year each. The renewal periods will be approved at DC Water's sole discretion pending acceptable performance.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
SZ PM Consultants, Inc 1730 Rhode Island Ave, NW Suite 602 Washington, DC 20036 WBE	Hayat Brown, LLC Washington, DC DBE RK&K Washington, DC Non-DBE/WBE	20.0% 20.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$5,300,000
 Contract Time: 1,095 Days (5 Years, 0 Months)
 No. of Option Years in Contract: 2
 Anticipated Contract Start Date: 10-17-2023
 Anticipated Contract Completion Date: 10-16-2028
 Other firms submitting proposals/qualification statements:
 ART Engineering, LLC
 Interagency, Inc.
 Ramboll Engineering, P.C.

Purpose of the Contract:

To retain the services of a qualified Architectural and Engineering (A-E) firm to provide permitting services support during the planning and execution of Capital Improvement Projects. This is planned to be achieved by

- Providing personnel who have the expertise needed to secure permits with National Park Services, DDOT, DOEE and other agencies.
- Tracking, maintaining permit documents and assuring permits being managed do not expire prematurely.
- Assisting DC Water with obtaining access agreements with property owners.

Contract Scope

The work consists of the following:

- Provide technical support pertaining to permitting such as National Environmental Policy Act Permitting, Section 401 and Section 404 Permitting, Cultural Resources, etc. and others.

- Permitting and coordination with District Department of Transportation (DDOT), Department of Buildings (DOB), Department of Energy and the Environment (DOEE) and National Park Services (NPS).
- Environmental permitting and coordination.
- Process data requests from District and other agencies.
- Planning and design document reviews from DDOT, Washington Gas and others
- Documentation and record keeping
- Additional tasks necessary to advance and/or improve permitting, coordination, and document reviews.

PROCUREMENT INFORMATION

Contract Type:	Cost Pluss Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Design Services	Contract Number:	DCFA #539-WSA
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water and Sanitary	Department Head:	William Elledge
Project:	AV, KV		


***ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 5,300,000.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$ 5,300,00.00

* Under the terms of the IMA, the capital costs associated with each joint facility are to be split among the users. It is anticipated that as projects are developed under individual Task Plans for work associated with specific facilities and costs are developed, the individual users will be notified and billed accordingly.

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for Matthew T. Brown Date
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 Finance, Procurement and Compliance Cluster

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 PURCHASE ORDER AWARD

**Microsoft Enterprise Agreement License Renewal
(Joint Use)**

Requesting approval to award and fund a contract for renewal of Microsoft Enterprise Licenses for three years in the amount of \$8,790,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Dell Marketing LP One Dell Way Round Rock TX 78680	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Total Contract Value:	\$8,790,000.00
Original Contract Dates:	10-01-2023 – 09-30-2026
No. of Option Years in Contract:	0
Proposals received:	3
Proposal Range:	\$8,528,225.00 - \$8,738,376.00

Purpose and Scope of the Contract:

Purchase of annual Microsoft licenses and annual software maintenance (renewal). Various Microsoft Suite products are used throughout the District of Columbia Water and Sewer Authority.

The forecasted amount of \$8,790,000.00 includes a 3% contingency, the estimated amount per year is \$2,842,742.00. The renewal allows for software licenses and Microsoft Suite products to be purchased for the next three-year period. The Microsoft Agreement of Understanding include tools such as Microsoft Office, Teams, Visio, SQL Server, Azure, Power BI, Project, among others. The actual contract amount will be awarded annually via issuance of a Purchase Order.

The procurement method utilized was an RFQ (Request for Quotation) limited to Certified Microsoft Gold Partners, which is DC Water's minimum required qualification to support our Microsoft environment. Three proposals were received. Award is based on the lowest price and minimally acceptable Microsoft partnership level.

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEAR

SODIUM HYPOCHLORITE

(Joint Use)

This contract action is to exercise option year 2 in the amount of \$6,500,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Kuehne Chemical Co. Inc. 86 N. Hackensack Ave. S. Kearny, NJ 07032	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Base Year – Option Year 2 Value:	\$11,260,000.00
Base Year – Option Year 2 Dates:	10-01-2021 – 09-30-2024
Option Year 2 Additional Value:	\$6,500,000.00
Option Year 2 Dates:	10-01-2023 – 09-30-2024

Purpose of the Contract:

To supply and deliver sodium hypochlorite. The sodium hypochlorite is used as disinfection and odor control.

Contract Scope:

DC Water has an on-going need for sodium hypochlorite. At the Blue Plains Advanced Wastewater Treatment Facility, it is primarily used for outfall disinfection, but also to control biological growth on multimedia filters, and for odor control in the scrubbers.

DC Water Board of Directors approved \$11,260,000 for the Base and two, one-year options. Start of the OY1, Sodium hypochlorite price was increased from \$0.727 to \$1.31 (80%) contributing to fast depleting approved funds.

This is the last option year for the contract, DC Water will initiate new sodium hypochlorite solicitation to replace the current contract.

Spending Previous Year:

Cumulative Contract Value:	10-01-2021 to 09-30-2024: \$11,260,000.00
Cumulative Contract Spending:	10-01-2021 to 06-01-2023: \$8,319,555.00

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.

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT EXTENSION

Mass Communication Systems

(Joint Use)

Approval to extend Critical Mass Communication Services contract for one year in the amount of \$128,929.28

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Everbridge 155 North Lake Ave. Suite 900 Pasadena, CA 91101	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$13,585.00
Original Contract Date:	10-07-2013 – 10-06-2014
Prior Modifications 1- 11:	\$932,416.16
Prior Modification Dates:	10-07-2014 – 10-06-2023
Modification 12 Value:	\$128,929.28
Modification 12 Dates:	10-07-2023 – 10-06-2024

Purpose of the Request:

DC Water's Information Technology Enterprise Solutions Department requires ongoing Critical Mass Communication Emergency Services from Everbridge for one year.

Contract Scope:

Everbridge provides critical mass communication during emergencies. This includes alert notification management in a communication one-stop platform with the capability to reach, through multiple forms of communication, customers, employees, contractors, and visitors, during emergencies within the District and DC Water facilities.

Spending Previous Year:

Cumulative Contract Value:	10-07-2013 to 10-06-2023: \$946,001.16
Cumulative Contract Spending:	10-07-2013 to 04-30-2023: \$946,001.16

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.

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

ACTION REQUESTED

**GOODS AND SERVICES CONTRACT AWARD
High Pressure/High Vacuum Cleaning services
(Joint Use)**

Approval to add funding for Option Year 3 and Option Year 4 for continued High Pressure/High Vacuum Cleaning Services in the amount of \$1,600,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Jet Blast, Inc. 6800 Fort Smallwood Rd Baltimore, MD 21226	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Base Period Contract Value:	\$322,225.00
Base Period Contract Dates:	10-01-2020 - 09-30-2023
No. of Option Years in Current Contract:	4
Option Year 1-2 Value:	\$1,256,775.00
Option Year 1-2 Dates:	10-01-2021 - 09-30-2023
Add funding for OY 3 & OY 4 (This request):	\$1,600,000.00
Option Year 3 & 4 Dates:	10-01-2023 – 09-30-2025

Purpose of Request:

This request is to fund the final two option years of the contract.

Purpose of the Contract:

To provide high pressure/high vacuum cleaning services to DC Water, for which the Wastewater Treatment (WWT) plant has an ongoing need. These high pressure water blasting and high vacuum cleaning services are used to clean and maintain some critical equipment such as anaerobic digesters and influent headworks screens, and other equipment and structures where vigorous cleaning is required.

Scope of the Contract:

WWT directs the contractor to take on cleaning projects as needed. The contractor provides all necessary personnel and equipment (including commercial multi-pressure, water blast equipment, high vacuum wet/dry trucks, combination jet/vacuum trucks, etc.) to carry out the project.

Spending Previous Year:

Cumulative Contract Value:	10-01-2020 – 09-30-2023: \$1,579,000.00
Cumulative Contract Spending:	10-01-2020 – 06-30-2023: \$1,538,125.00

Contractor's Past Performance:

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

PROCUREMENT INFORMATION


Contract Type:	Fixed Price	Award Based On:	Best Value
Commodity:	High Pressure/ High Vacuum Cleaning Service	Contract Number:	20-PR-WWT-45A
Project Area:	Blue Plains		

BUDGET INFORMATION


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

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	43.08%	\$683,280.00
Washington Suburban Sanitary Commission	41.90%	\$670,400.00
Fairfax County	9.60%	\$153,600.00
Loudoun Water	4.71%	\$75,360.00
Other (PI)	0.71%	\$11,360.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$1,600,000.00



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 Jeffrey F. Thompson Date
 Chief Operating Officer, EVP



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 Dan Bae Date
 VP of Procurement

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 for Lola Oyeyemi Date
 Matthew T. Brown 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

CONSTRUCTION CONTRACT:

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

Approval to execute a construction contract for \$7,823,300.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Spiniello Companies 354 Eisenhower Parkway Livingston, NJ 07039	Shekinah Group, LLC New Brunswick, NJ	DBE 17.0%
	GML, LLC Jessup, MD	DBE 2.0%
	RAM Construction, Inc. Olney, MD	WBE 6.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$7,823,300.00
Contract Time:	560 Days (1 Year, 6 Months)
Anticipated Contract Start Date (NTP):	11-01-2023
Anticipated Contract Completion Date:	05-14-2025
Bid Opening Date:	05-25-2023
Bids Received:	2
Other Bids Received	
SAK Construction, LLC	\$ 10,434,500.00

Evaluation Bid Amount: \$7,823,300.00

Purpose of the Contract:

To rehabilitate portion of the Northeast Boundary Trunk Sewer, this project will help prolong the life of the sewer/structures. The work involved in this project will largely be executed by using trenchless methods.

Contract Scope:

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

Federal Grant Status:

This construction contract change is not eligible for Federal grant funding.

PROCUREMENT INFORMATION

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

BUDGET INFORMATION


Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Sanitary	Department Head:	William Elledge
Project:	RC		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 7,823,300.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$ 7,823,300.00

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 Date: 2023.07.07 15:48:33 -04'00' / _____
 Jeffrey F. Thompson Date
 Chief Operating Officer, EVP

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 VP of Procurement

 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD

**Construction Inspection Refund Service
(Non-Joint Use)**

Approval to add \$435,000 to the Construction Inspection Refund Service contract for anticipated change orders.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: AECOM Services of DC, LLC 3101 Wilson Blvd. Arlington, VA 22201	SUBS: PL Associates (DBE) SZ PM Consultants, Inc. (WBE)	PARTICIPATION: 35.65% 14.80%
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$965,000.00
Base-Term of Contract:	07-17-2023 – 02-06-2024
No. of Option Years in Contract:	0
This Request Value	\$435,000.00
This Request Dates	07-17-2023 – 02-06-2024

Purpose of the Contract:

The purpose of this contract is to provide support to DC Water Permit Operations to process Construction Inspection Refunds.

Contract Scope and Purpose of This Request:

DC Water selected AECOM to provide the Construction Inspection Refund Service to process refund backlogs in 6 months. AECOM will provide qualified resources to perform project management, document control, and document management to process and track refund applications for payment. The initial contract scope includes 7 resources from AECOM as the best approach to start the service and adjust, when necessary, rather than starting with a larger team. There are many dependencies and unknowns in this project, and therefore, we are requesting to add the allowance of \$435,000.00 to quickly address changing needs which will be essential to completing the scope within the 6 months goal.

PROCUREMENT INFORMATION

Contract Type:	Firm Fixed Price	Award Based On:	Best Value
Commodity:	Professional Service	Contract Number:	032223
Contractor Market:	Open Market with DBE/WBE goals		

BUDGET INFORMATION

Funding:	Operating	Department:	Permit Operations
Project Area:	District of Columbia	Department Head:	Ogechi Okpechi

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	100.00%	\$435,000.00
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%	\$435,000.00

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 Chief Operating Officer, EVP

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Dan Bae _____ Date
 VP of Procurement

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Lola Oyeyemi
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for Matthew T. Brown _____ Date
 CFO and EVP, Finance, Procurement and Compliance

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