



# DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY Board of Directors

Meeting of the  
Environmental Quality and Operations Committee

**Thursday, July 21, 2022**  
**9:30 a.m.**

## Microsoft Teams

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Phone Conference ID: 142 812 080#

- |            |      |  |                                 |
|------------|------|--|---------------------------------|
| 9:30 a.m.  | I.   | <b>Call to Order</b>                             | Sarah Motsch<br>Chair           |
|            | II.  | <b>Roll Call</b>                                 | Linda Manley<br>Board Secretary |
| 9:35 a.m.  | III. | <b>BPAWTP Status Update</b>                      | Aklile Tesfaye                  |
|            |      | 1. BPAWTP Performance                            |                                 |
| 9:50 a.m.  | IV.  | <b>Lead-Free DC Program</b>                      | John Deignan                    |
| 10:05 a.m. | V.   | <b>Per-and Polyfluoroalkyl Substances (PFAS)</b> | Kishia Powell                   |
| 10:25 a.m. | VI.  | <b>Action Items</b>                              | Joel Grosser/Kishia Powell      |
- Joint Use**
1. Contract No.: 10195 - Janitorial Services, Clean Team Janitorial Services
  2. Contract No.: 10196 - Fire Protection Systems, BFPE International Inc.
  3. Contract No.: 220090 - Heavy Cleaning of Major Sewers, Mobile Dredging & Video Pipe, Inc.
  4. Contract No.: DCFA 503 - Wastewater Treatment Program Manager II, AECOM
- Non-Joint Use**
1. Contract No.: 220040 - Sanitary Sewer Lateral Replacement Contract, Anchor Construction Corporation
  2. Contract No.: 220110 - Water Infrastructure Repair & Replacement Contract, Capitol Paving
  3. Contract No.: DCFA 470 - Basic Ordering Agreement – Infrastructure XVI, Ramboll

4. [Contract No.: DCFA 502 - Engineering Program Management Consultant 2F, Mott MacDonald I&E, LLC](#)
5. [Contract No.: DCFA 519 - Lead Free DC Program Management & Construction Management, Joint Venture \(JV\) of Ramboll Engineering, PC and CDM Smith Inc.](#)

10:40 a.m. VII. Other Business / Emerging Issues

10:45 a.m. VIII. Executive Session\* Sarah Motsch

11:00 a.m. IX. Adjournment Sarah Motsch

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

1. Meena Gowda (Deputy General Counsel, Legal Affairs): To provide an update to the EQ&Ops Committee on the due diligence (related to soil conditions and prior use of the site) that was completed ahead of the purchase of the site of the new fleet headquarters. **[Legal will take the lead on providing an update. Target: September EQ&Ops Meeting]**
2. Maureen Holman (VP, Shared Services): To share DC Water's electrification policy as a follow-up to Committee questions related to infrastructure for electrification of the fleet. **[Forwarded to BOD Secretary on 07/01/2022]**
3. Nija Ali (Acting Director, Fleet): In response to questions about infrastructure for electrification of fleet, the Committee requested a briefing at a future meeting about plans across the Authority to comply with District government initiatives to achieve carbon neutrality. **[Target: September EQ&Ops Meeting]**

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



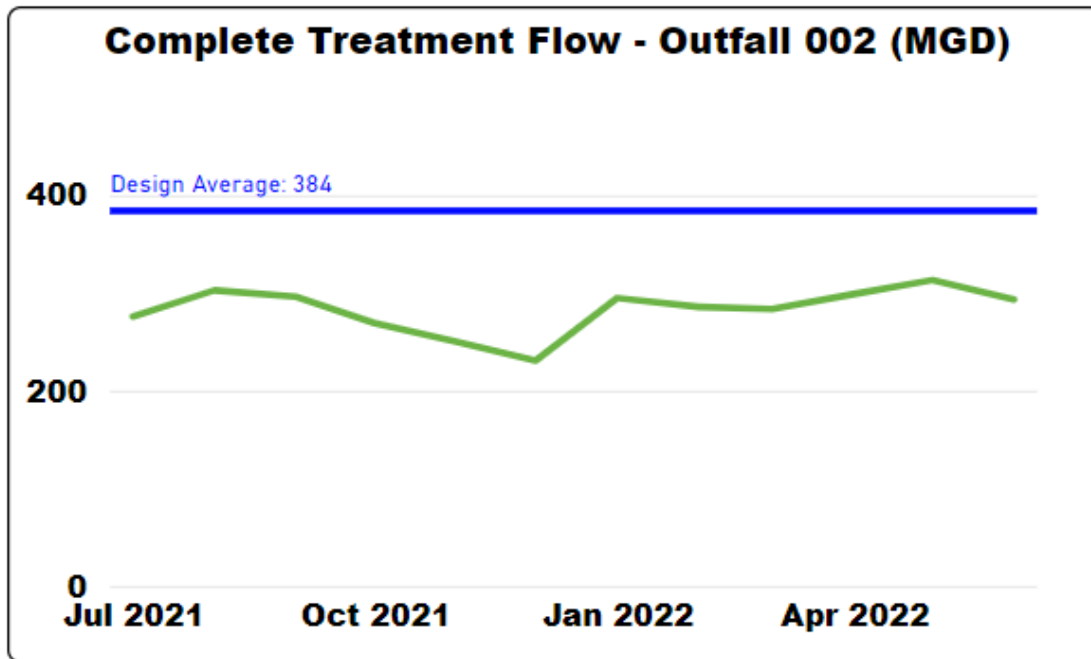
**Blue Plains Complete Treatment Performance  
Briefing for the Environmental Quality & Operations Committee  
July 21, 2022**

**Akilile Tesfaye  
Vice President, Wastewater Treatment Operations**



## Operational Performance

### Blue Plains Complete Treatment Performance



- All weekly and monthly NPDES permit requirements met
- Average Outfall 002 flow: 292 MGD

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



## Operational Performance

### Wet Weather Treatment Facility (WWTF) Performance

	June 2022*	Calendar Year 2022 (Through June)
Total Precipitation, inches (DCA gauge)	2.96	21.3
Total Volume Captured in the Anacostia Tunnel, MG	133	964
Measured Overflow, MG	0	0
Percent Captured	100%	100%
Screenings and Grit Capture, tons	128	442

Note: \*Based on preliminary data.

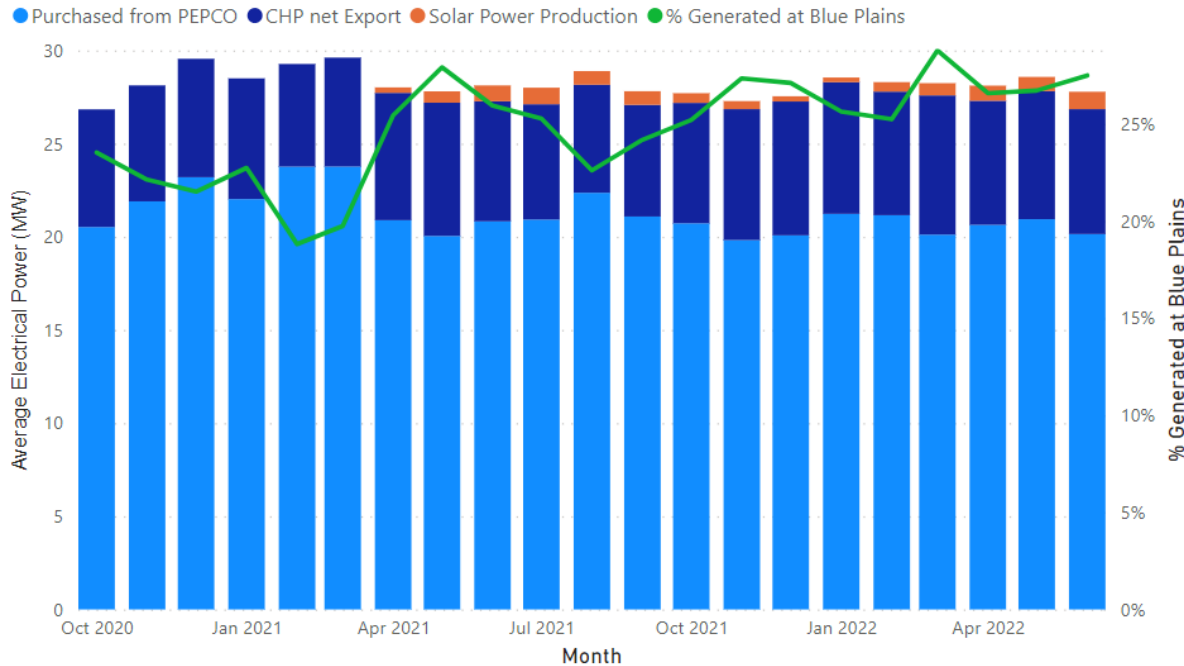
- Total of 133 MG of combined wet weather flow, captured in the tunnel system, was treated through the plant
- No measured overflows from CSOs associated with the existing Anacostia Tunnel System



## Operational Performance

### Blue Plains Electrical Energy Use and Generation

Blue Plains Electrical Report



- 27% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 8.1 megawatts (MW), with 6.7 MW net to Blue Plains grid
- Solar System produced an additional 0.9 MW of power on average
- Total electricity consumption at Blue Plains averaged 27.8 MW
- DC Water purchased an average of 20.1 MW of electricity from PEPCO

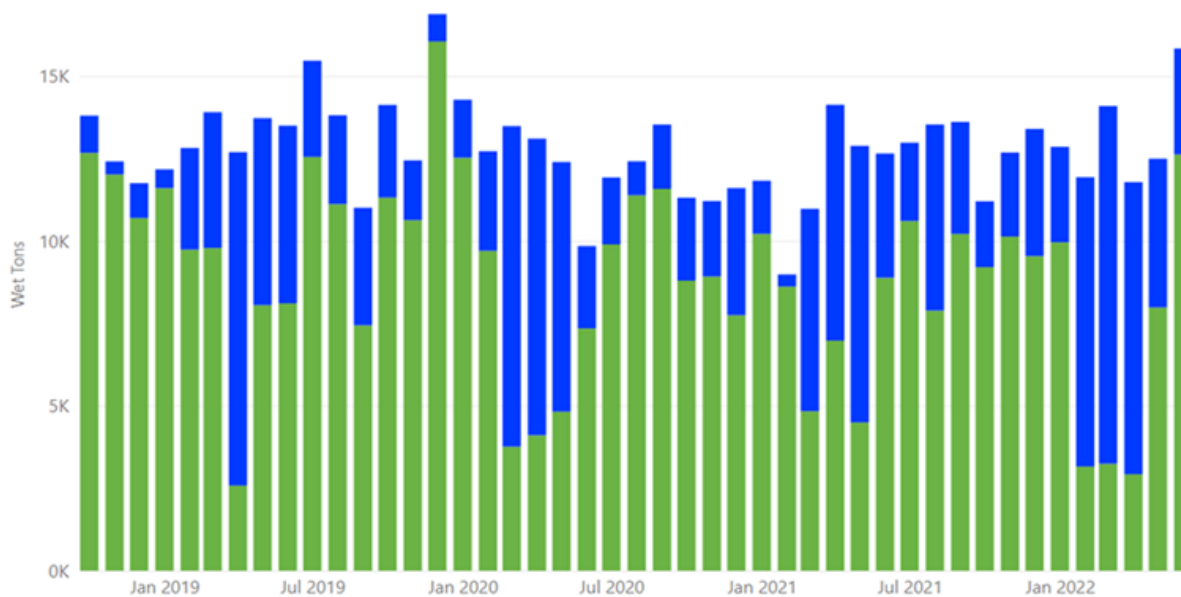


## Operational Performance

### Class A Biosolids Production & Bloom Marketing

Total Production of Class A Biosolids and Beneficial Reuse by Type

● Land Application ● Marketing as Bloom



- Biosolids hauling averaged 528 wet tons per day (wtpd) all meeting Class A Exceptional Quality (EQ)
- 3212 wet tons of Bloom sold
- 12,621 wet tons not sold were land applied through contracts
- Currently at 104% of sales goal for FY22

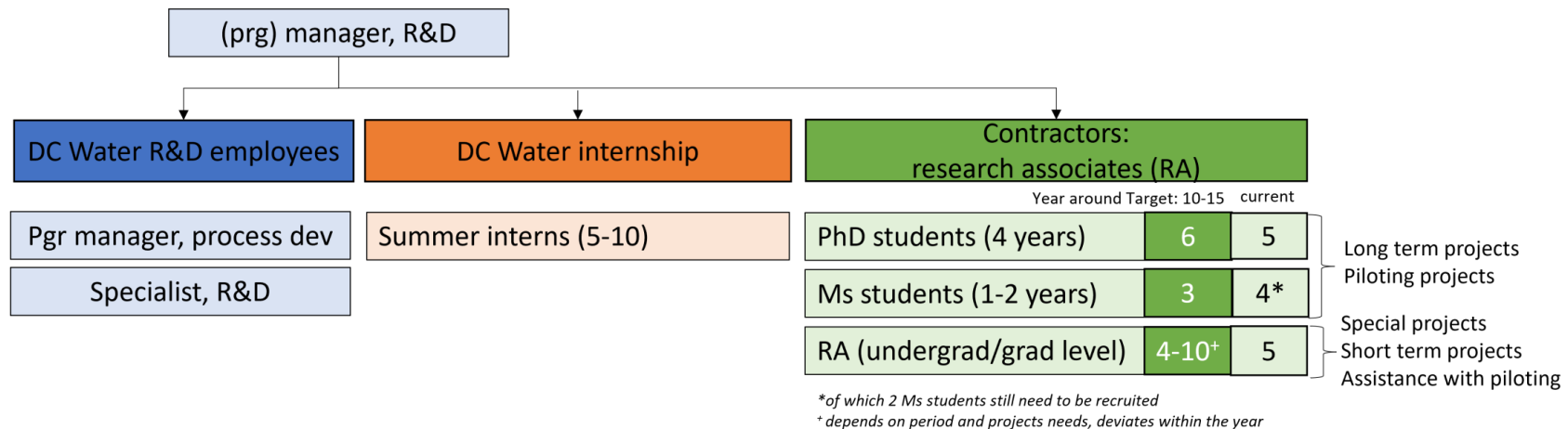


## Wastewater Treatment R&D Structure

The R&D program is built based on a core of Research associates rather than DC Water employees and this was a conscious decision when the research program was put in place more than 10 years ago.

### Benefits of this choice:

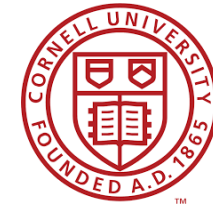
- Research is done in a cost-effective manner
- Allows us to hire for specific skillset tailored to the research projects (drastic changes in needs over the years!)
- Allows us to collaborate with experts in the field (specific to project)
- Allows us to build flexible teams
- Allows us to attract energetic people with a clear drive to do research as part of obtaining a degree.













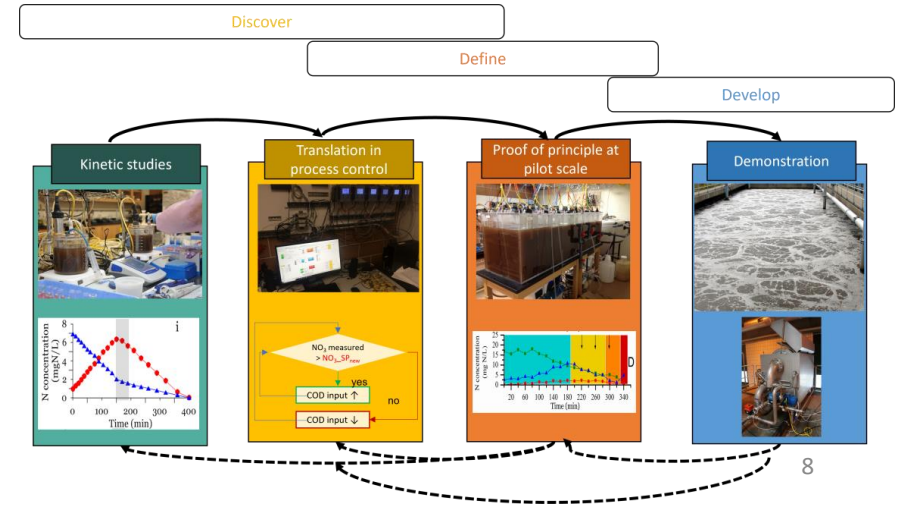
## R&D Group University Collaborations





## Current Research Topics

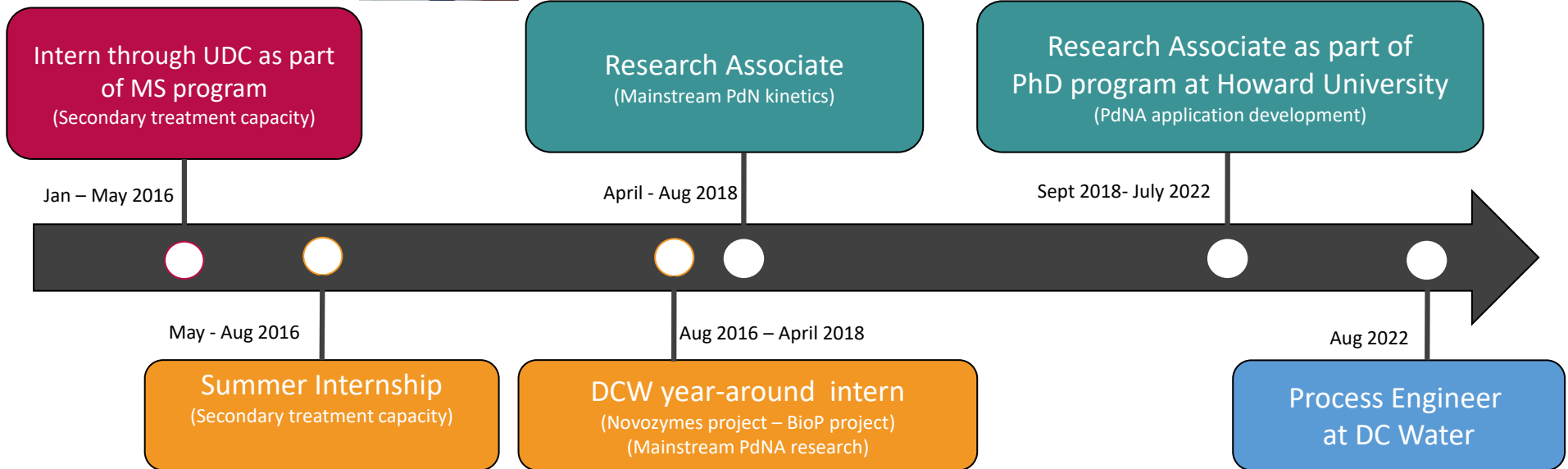
1. Increasing secondary treatment capacity: high-rate contact stabilization; aerobic granulation 
2. Odor reduction through process optimization 
3. Resource efficient Nutrient removal: partial denitrification – anammox (PdNA) 
4. Development of TS sensors to achieve polymer reduction in biosolids treatment 
5. P management within Blue Plains: P content in Bloom 
6. Emerging issues 





## Growing and Attracting Talent

- Rahil Fofana







**Lead Free DC – Status Update**  
**Briefing for the Environmental Quality & Operations**  
**Committee**  
**July 21, 2022**

**John Deignan**  
**Program Manager, Lead Services**



## Lead Free DC – Status Update

### Agenda

1. Highlights & Progress
2. By-Block Project Status
3. Construction Outreach & Agreement Status
4. Lead Task Force







## Highlights & Progress

- Since launch of LFDC (FY20-FY22), we provided 1,100 free & discounted replacements (2,200 total) saving customers more than \$3.2 million in direct private-side costs.
- The expanded outreach and promotional efforts this quarter (4/1-6/30) have increased total number of signed homeowner agreements from 40% to 63% for the block-by-block program. Homeowner participation on blocks under construction has increased from 68% to 74%.
- DC Water hosted Mayor Bowser, EPA Assistant Administrator for Water Radhika Fox, and White House Infrastructure Coordinator Mitch Landrieu for a walkthrough of a Lead Free DC by-block project in Ward 7 to celebrate Infrastructure Week and the positive impact of the Biden Administration's Infrastructure Law.
- Finalized selection of a new Program Management contract for the Lead Free DC Program after a three-step procurement process (RFI, RFQ, RFP).

### FY22 Lead Service Line Replacements by Program Area

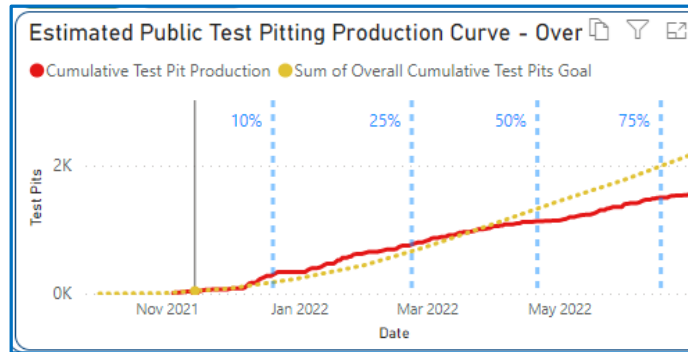
Program Area	FY22 LSRs (thru 6/30)	FY22 Goal	% Achieved
CIPERR	709	1623	44%
VFRP	239	300	80%
LPRAP	178	400	45%
<b>Total</b>	<b>1126</b>	<b>2393</b>	<b>47%</b>





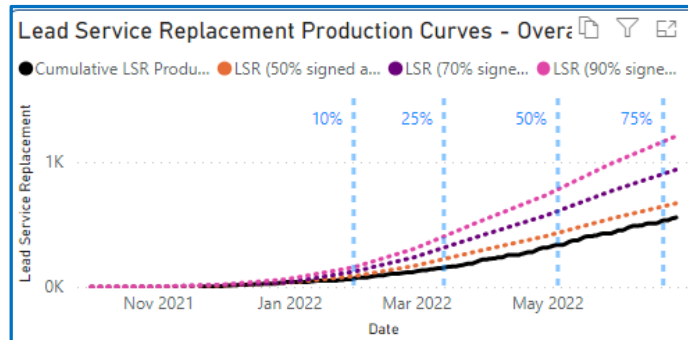
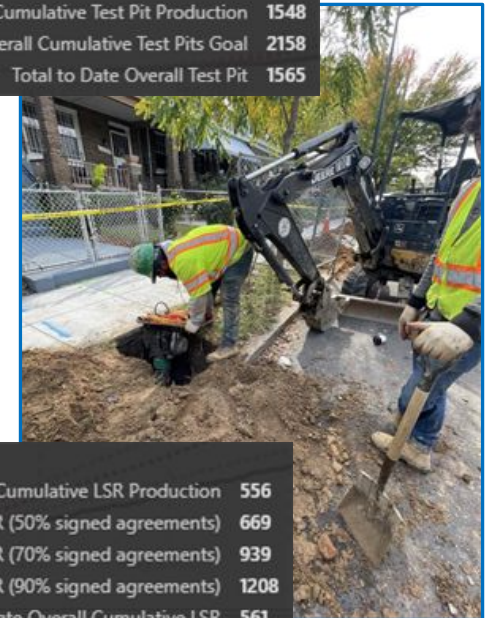
# CIPERR By-Block Project Status – 6/30

- Test-pitting to verify service line material and improve inventory is on track with about 60% of public-side test pits complete.
- Lead service line replacement is ramping up – homeowner participation remains critical.



**06/30/22**

Cumulative Test Pit Production	1548
Sum of Overall Cumulative Test Pits Goal	2158
<b>Total to Date Overall Test Pit</b>	<b>1565</b>



**06/30/22**

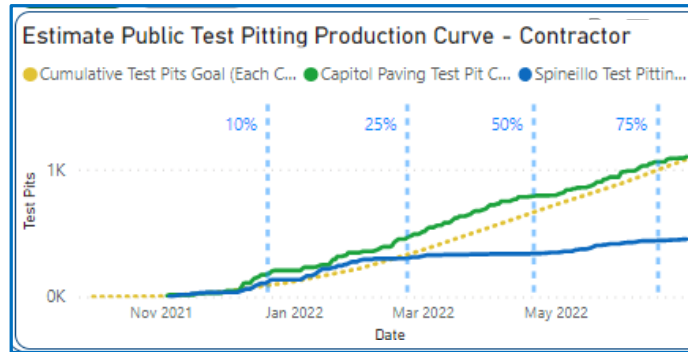
Cumulative LSR Production	556
LSR (50% signed agreements)	669
LSR (70% signed agreements)	939
LSR (90% signed agreements)	1208
<b>Total To Date Overall Cumulative LSR</b>	<b>561</b>

Impact Areas	Status	Comments for June Status Report
Test Pits	RED	The contractors are required to perform both public and private test pits to verify service material. 2,650 homes are expected to be test pitted this year. About 60% of public-side test pitting is complete (goal was 80%).
LSR Replacements	RED	Backlog is available to both contractors to perform LSRs. Homeowner participation (return of signed agreements) is most significant constraint on critical path.
Cashflow	RED	Both contractors are currently below the estimated cash flow spending. This rate is expected to pick up as final restorations of block begin in July. By end of FY22, Project spending 40% of change order value (invoice 35%).



## CIPERR By-Block Project Status – 6/30

- Approach to establish two change orders for FY22 work encouraged competitive pricing, and engagement of multiple CBEs.
- Combination of factors for difference in performance – working with each contractor with different strategies to complete work.
- Project completion target extended through December.
- Valuable information gleaned and lessons learned for procurement of new LSLR contract.

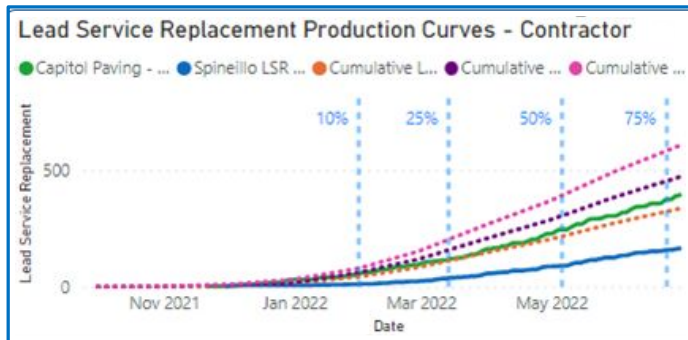


**06/30/22**

- Cumulative Test Pits Goal (Each Contractor) 1079
- Capitol Paving Test Pit Cumulative 1099
- Spineillo Test Pitting Cumulative 452

**06/30/22**

- Capitol Paving - LSR Production 393
- Spineillo LSR Production 164
- Cumulative LSLR Goal (50% line) 334
- Cumulative LSLR Goal (70% line) 470
- Cumulative LSLR Goal (90% line) 604



Impact Areas	Status	Comments for June Status Report
Test Pits	RED	Capitol Paving is performing above the estimated production curve while Spiniello continues to perform well below the desired production level. Spiniello providing test-pit only crew to close gap in baseline.
LSR Replacements	RED	Capitol Paving is performing at expected baseline and will likely achieve LSR goal by December. Spiniello will need to bring on additional crews to close gap and meet December goal.
Cashflow	RED	Both contractors are currently below the estimated cash flow spending. This rate is expected to pick up as final restorations of block begin in July. By end of FY22, Project spending 40% of change order value (invoice 35%).

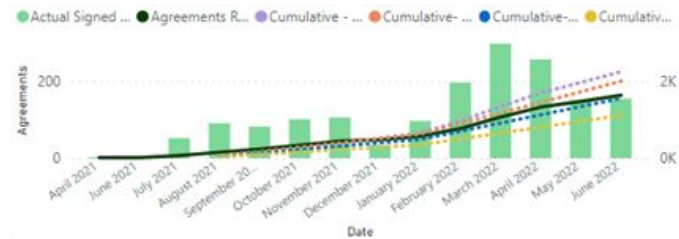




## Construction Outreach & Agreement Status

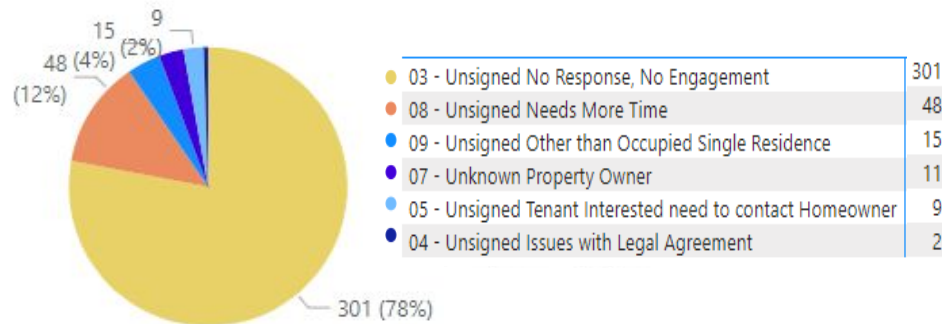
- Increase from Q2 to Q3 of both overall return of signed agreements (from 40% to 63%) and participation rate during construction (from 66% to 74%)
- Homeowner-occupied premises are still the majority of households in project areas, but participation gap between homeowner- and tenant-occupied premises has narrowed (about 70% vs 60%).

Cumulative Signed Agreements compared with Projected Return Rates (50%, 70%, 90%, 100%)



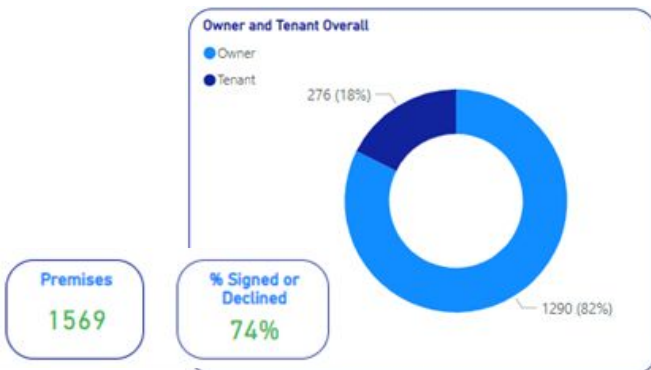
- *Graph takeaway: Baselines based on homeowner participation rates (50%, 70%, 90%) have been developed in coordination with construction schedule and planned outreach efforts. Currently forecasting 70% of agreements will be returned.*

Reasons for Unsigned Agreement from Blocks Under Construction



- *Graph takeaway: The majority of homeowners (78%) that do not provide signed agreements for this free work are unable to be reached despite more than a dozen planned direct and indirect engagement methods throughout the lifecycle of construction.*

Homeowner vs Tenant Participation on Blocks under Construction





## Construction Outreach & Agreement Status

- All Wards, % Signed: 74%
  - Owner-Occupied, % Signed: ~70%
  - Tenant-Occupied, % Signed: ~60%
- Ward 7 & 8, % Signed: 76%
  - Similar distribution
- More data and analysis needed to drill down on correlation between demographics & participation
  - e.g., median income
  - occupant type (tenant vs owner), housing type
  - density of children
  - blood lead levels

Ward	Tenant-Occupied Signed	Total # Tenant-Occupied	Homeowner-Occupied Signed	Total # Homeowner-Occupied
1	36%	47	73%	139
4	60%	52	68%	429
5	52%	58	75%	367
6	55%	20	77%	71
7	75%	83	70%	194
8	66%	89	71%	327
Grand Total	60%	349	72%	1,527



## Lead Task Force

The DC Council added a subtitle to the FY 2022 BSA that created a [Lead Service Line Planning Task Force](#) comprising DC Water, DOEE, DCRA, DDOT, and Council-appointed representatives (lead advocates). Separately, the Council also solicited an [independent 3<sup>rd</sup> Party](#) to produce a cost estimate for the program.

The Task Force is required to submit a report upon completion:

**Plan Requirements:**

- (A) An account of the role of each District agency, including agencies not part of the Task Force in the removal and replacement of all lead water service lines by 2030;
- (B) An account of identified barriers to the District removing and replacing all lead water service lines by 2020, and proposed solutions to reduce or eliminate those barriers;
- (C) An account of opportunities for interagency coordination or cooperation to accelerate or improve the efficiency and cost-effectiveness of lead water service line replacements;

**Plan Requirements (continued):**

- (D) An interagency spending proposal;
- (E) Recommended changes or clarifications to DC Water's Lead Service Line Replacement Plan, released on June 14, 2021;
- (F) A list of potential funding sources to support lead water service line replacements; and
- (G) A list of legislative, regulatory, and policy changes to complete and fund lead line replacement work by 2030 effectively and efficiently, including draft language, when appropriate.

Requirement (D), above, also shall include:

- (i) Costs for recommendations identified for (B) and (C), above;
- (ii) A separate list of unfunded agency costs identified in the spending proposal, including the number of unfunded FTEs, by agency and the FTEs' anticipated responsibilities.

**Important Dates to Remember:**

- **July 2022:** DC Water will have the opportunity to review and comment on 3<sup>rd</sup> Party Cost Estimate\*
- **7/14/22:** Draft Report due to Council (this will begin a 4-week public comment period)
- **8/23/22:** Final Report due to Council
- **September 2022:** Council will hold Public Meeting:



## Summary of Task Force Recommendations for Report

The Task Force has proposed the following recommendations be included in the draft report:

### DCW/Lead Task Force generally agree:

- Streamline replacement programs - phase out customer-initiated LPRAP, pick up past partials (private-only LSLs) during DC Water-initiated by-block projects (*requires legislation*)
- Include replacement of Brass SLs in plan - DC Water agrees but recommends replacements are prioritized for lead and galvanized iron pipe for the 2030 goal and replace remaining Brass SLs at a later date.
- District should provide \$ to help homeowners pay for cost of installing thermal expansion tank (per DCRA code) after service line installation (*requires legislation*).
- Revise prioritization model to use more directly-related District datasets for vulnerable populations.
- Ongoing and transparent outreach and communication regarding lead program. DC Water believes that city-wide acknowledgment and support of lead removal will help with this coordinated effort.

### DCW/Lead Task Force generally disagree:

- Independent Auditor – DC Water does not agree with additional auditing requirements for the program.
- DCW should provide customers with filters for all known LSLs & unknown SLs until replacement.
  - DC Water provides filters after lead service line work when our work could have caused an increase of lead into the customer's water.
  - Should the District choose to provide filters to customers with lead service lines, then another agency should manage and execute the program. Furthermore, any lead funding should not be used to subsidize a filtration program but rather its Federal intent: "the removal of lead"
- Cost estimate – to be discussed.



## Summary of Task Force Recommendations for Legislation

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**The Task Force has proposed these areas below be codified with legislation:**

- Mandate for Replacement
- Incentives & Penalties
- Outreach/Customer Notifications
- Prioritization/Lead Assistance Programs
- Auditor & Monthly Reporting
- Filter Program
- Thermal Expansion Tank for Premise Plumbing



# PFAS Briefing

## Environmental Quality & Operations Committee

July 21, 2022



Salil Kharkar, Senior Technical Advisor to COO  
Maureen Schmelling, Director of Water Quality  
Haydee DeClippeleir, Director of Research and Development

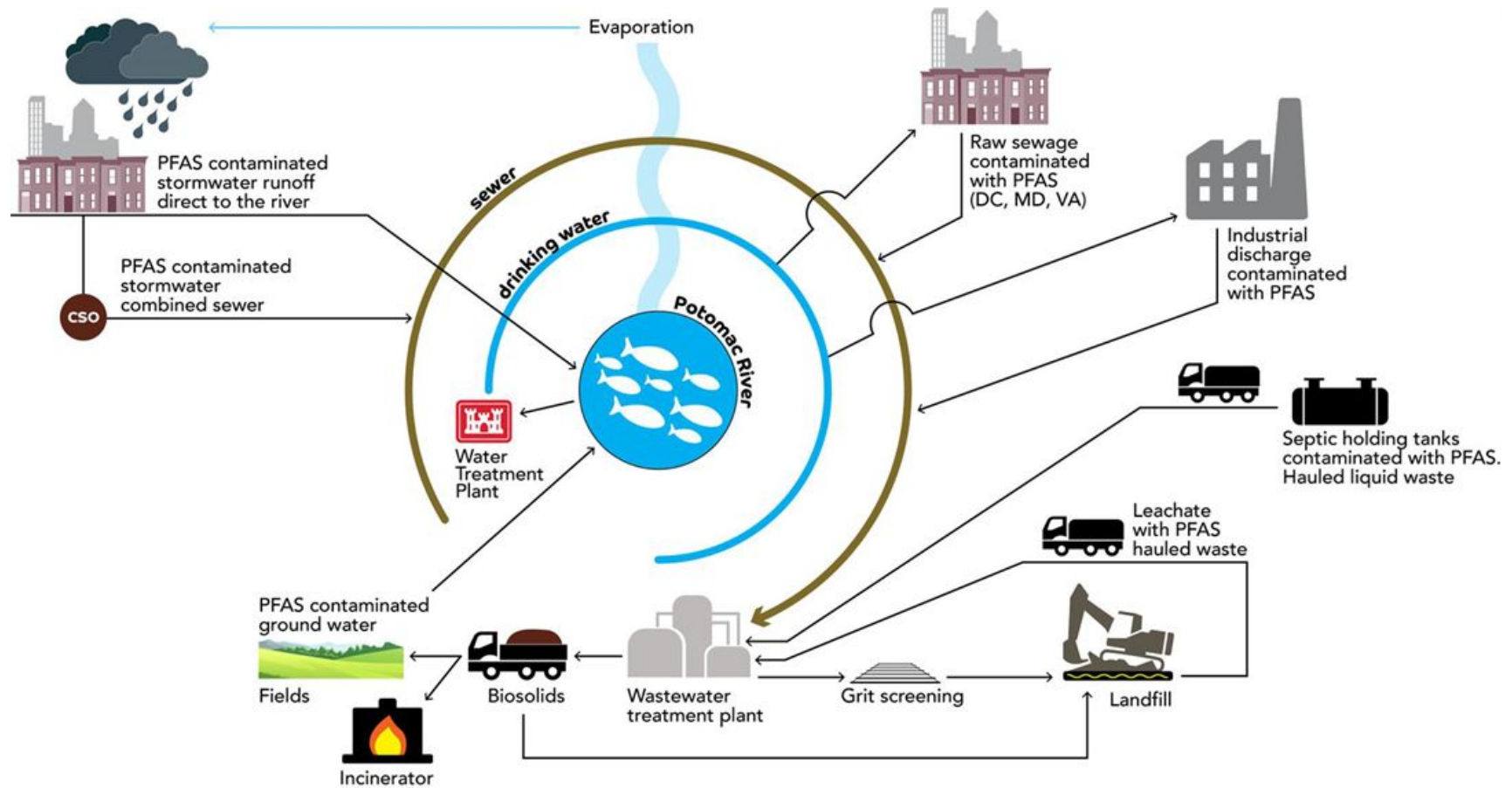
# dc What is PFAS

- Around 4,000 man-made chemicals including PFOA and PFOS
- High resistance to almost everything – forever chemicals
- PFAS are in most products, even around the home





# Where PFAS is Found





## dc Who Regulates PFAS ?

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- EPA – Nations' Environment
  - Drinking Water
  - Wastewater
  - Biosolids
- FDA – Nations' Food Supply
  - Food Contact Applications
  - Food Packaging
  - Food Safety Assessment
  - Non-stick cookware

*Under Toxic Substances Control Act (TSCA) EPA limited future manufacture or importation of 271 PFAS chemicals*

*As they find potential for PFAS migration in other products, EPA addresses them*

*PFAS compounds under consideration to be labeled Hazardous Waste and regulated under CERCLA*



# Drinking Water



## New PFOA and PFOS Health Advisory Levels

- On June 15, 2022, EPA issued interim Health Advisory Levels for PFOA (Perfluorooctanoic Acid) and PFOS (Perfluorooctanesulfonic acid) to help inform the public of new scientific information on these chemicals’ health effects while they continue to develop regulations
- EPA also issued final Drinking Water Health Advisories for GenX Chemicals (hexafluoropropylene oxide) and Perfluorobutane sulfuric acid and its related compound potassium perfluorobutane sulfonate (PFBS)
- EPA uses the Unregulated Contaminant Monitoring Rule (UCMR) to assess the occurrence of contaminants of concern for subsequent regulation development
- EPA plans to propose new drinking water regulations on PFAS in Fall 2022

	EPA’s 2022 HA Level	UCRM 5 Method Reporting Limit
Perfluorooctanesulfonic acid (PFOS)	0.02 ppt (interim)	4 ppt
Perfluorooctanoic acid (PFOA)	0.004 ppt (interim)	4 ppt
Perfluorobutanesulfonic acid (PFBS)	2,000 ppt (final)	4 ppt
Hexafluoropropylene Oxide Dimer Acid and its Ammonium Salt (GenX)	10 ppt (final)	4 ppt



# Local Drinking Water PFAS Data

Sampling Period	Study	Frequency	Method Reporting Limit	PFOS Results	PFOA Results
2014	UCMR3 NCR*	Quarterly	20 - 40 ppt	ND	ND
2104-17	WSSC*	Quarterly	20 - 40 ppt	ND	ND
2021	Virginia Utilities*	Quarterly	3.9 ppt	ND	ND
2020-22	WSSC*	Quarterly	2 ppt	ND to 3.2 (75% detects)	ND to 3.0 (63% detects)
2021	DOD	One sampling event in DC	1.7 ppt	2.8	3.6
2021	Bottled water study by Johns Hopkins Univ	101 samples from various suppliers	0.17 – 0.41 ppt	ND to 0.86 ppt (7% detects)	ND to 1.9 ppt (25% detects)

\*Data from Potomac River Drinking Water Treatment Plants  
 HA levels for PFOS and PFOA are 0.02 and 0.004 ppt



# Drinking Water Next Steps and Concerns

PFAS Regulations	Timing	Next Steps for DCW	Concern
UCMR – Heath Advisory (HA)	Issued June 15th, 2022	Coordinated Public Information campaign required.  Continued engagement through NACWA, MWCOG and regional partners	HA will impact Public confidence in municipal water treatment  PFAS regulation on bottled water is by FDA and not EPA
MCL – Limits in drinking water	Late 2022 through Early 2024	Treatment at WAD will have to be upgraded in near future	Potential for significant increase in Capital Budget for WAD
Source Waters	Beyond 2024	Engage regional partners to track sources of PFAS	Sourcewater impacts treatment sizing for WAD



# Wastewater and Biosolids

# dc National and International Wastewater PFAS Data

- EPA National Survey of 50 WWTP's effluent show the presence of PFAS
- PFAS is found all over the world, even in the snow on Mount Everest

Country	# WWTP	influent ng/L	effluent ng/L	reference
USA	50		10-30 (median)	EPA survey
Australia	19	76 (median)	140 (median)	(Coggan et al., 2019b)
China	18	19-232	15-234	(Pan et al., 2016)
USA	8		80-2900	(Houtz et al., 2015)
USA	4		62-418	(Furl et al., 2011)
China	2		320-420	(Chen et al., 2016)
Thailand	2	847	662	(Kunacheva et al., 2011)
Jordan	1	10-15	14-24	(Shigei et al., 2020)
Canada	1		130 ± 20	(Vierke et al., 2013)

*ppt and ng/l units – are numerically interchangeable (Water vs Wastewater)*

## dc PFAS in Wastewater Paradox

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- As PFAS production and importation was halted, other compounds were substituted that ***added alternate molecules to the PFAS chemical chain*** making them safer
- Through wastewater treatment and bacterial action, the alternate molecules get removed leaving behind PFAS
- This transformation of the precursors to PFAS explains why the effluent is often higher than influent





## Wastewater Next Steps and Concerns

PFAS Regulations	Timing	Next Step for DCW	Concern
<p>EPA Water Quality Standards.</p> <p>States ahead of EPA in adding PFAS monitoring to NPDES permits</p>	<p>Permit Renewal in 2023 (or prior) will almost certainly include a program to measure PFAS</p>	<p>Study source of PFAS and transformations in treatment processes.</p> <p>Source tacking extends to all sources jurisdictional and industrial</p>	<p>Source tracking studies and monitoring as well as in-plant transformation studies are a significant effort.</p>
<p>Draft Limits (CCC) Chronic WQ Criteria</p> <p>PFOA – 0.094 mg/l</p> <p>PFOS – 0.0084 mg/l</p>	<p>Beyond 2023 and may require modeling</p>	<p>Proactively develop a program to limit influent PFAS concentration from range of sources</p>	<p>Precursor products and their transformations not well understood or monitored.</p>



## Controlling Discharge to WWTP

- Latest EPA PFAS plan is Preliminary Effluent Guidelines Program Plan 15
- EPA stated Goal is to limit PFAS discharges to POTW
  - Initiation of Detailed Studies of PFAS Discharge from Landfills & Textile Mills
  - Rulemaking to limit Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF) discharge of PFAS chemicals
  - Initiation of rule making on Metal Finishing
  - Completion of detailed study of Meat and Poultry and initiation of rule making
  - Supplemental Rulemaking for Steam Electric Power Generation



# Comprehensive Sampling Program for Wastewater

• **Enhanced sampling campaign (69 samples in total):**

- Sample industrial dischargers, hauled waste and leachate
- Sample across different process units of Blue Plains advanced wastewater treatment
- Sample plant effluent discharge and Bloom biosolids
- Sampling of processed Bloom products and test leachability potential of these products

Pretreatment program	Fate through Blue Plains	Bloom
<b>9 significant industrial users</b>	Influent (3 trunk sewers, lower/upper oxon run)	cured bloom product
<b>3 hauling sources</b>	Sampling over process units	during curing process
<b>2 landfill leachate sources</b>	Effluent and cake Over storm water treatment	Before and after composting
<b>2 time points</b>	1 time point for process units 1 storm event	3 time points for cured bloom 1 curing experiment
	3 time points for effluent/cake	1 composting experiment 2 leachability assessments
<b>28 samples</b>	22 samples	19 samples

**Project team:**

- DC Water: CWQ&T department (Haydee/Elaine) + Resource recovery department (Chris/James)
- External collaborators: Purdue University (Linda Lee) – *Expert and lead in method development for biosolids and wastewater in USA*



# Biosolids Next Steps and Concerns

PFAS Regulations	Timing	Next Step for DCW	Concern
EPA is examining exposure pathways and risk scenarios.	Risk analysis expected in next 12-24 months.	U of AZ study that looks at migration of PFAS compounds through soil to groundwater  Preliminary study shows little movement	EPA or States could ban land application (Maine)  Options remaining are incineration or landfilling  Landfilling will be difficult if PFAS regulated under CERCLA



## Efforts to List PFAS as hazardous and Regulate under CERCLA

PFAS Regulations	Timing	Next Step for DCW	Concern
Lists PFAS as hazardous waste to be regulated under CERCLA	<p>Senate Version S.638 failed in 2019</p> <p>House Version HR2467 passed July 2021</p>	<p>Maintain discussions with NACWA and expand to NWRA and SWNA (waste recyclers and solid waste)</p> <p>Maintain a close watch on Senate Bills since provisions in HR2467 could be attached to other bills in Senate</p>	<p>If EPA does not categorically exempt wastewater biosolids as they did Airports, this legislation could incur liability for biosolids land applied in the past.</p>



# Public Communication

## dc Public Communication Challenges

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- EPA estimates 20% of PFAS exposure is from drinking water – 80% is from other sources.
- There is no existing method to quantify PFAS down to the Health Advisory Level that EPA published
- EPA recommendation for consumers is to use filters to reduce PFAS in drinking water. This is only certified to 70 ppt with NSF Certified point-of-use filters



### **National Media Coverage:**

- **Washington Post:** EPA warns toxic ‘forever chemicals’ more dangerous than once thought
- **Baltimore Sun:** Baltimore’s water system contains PFAS chemicals at levels above new EPA health advisory
- **Chicago Tribune:** More than 8 million Illinoisans get drinking water from a utility where forever chemicals have been detected, Tribune investigation finds

We have not received any recent media inquiries about PFAs in DC’s drinking water.

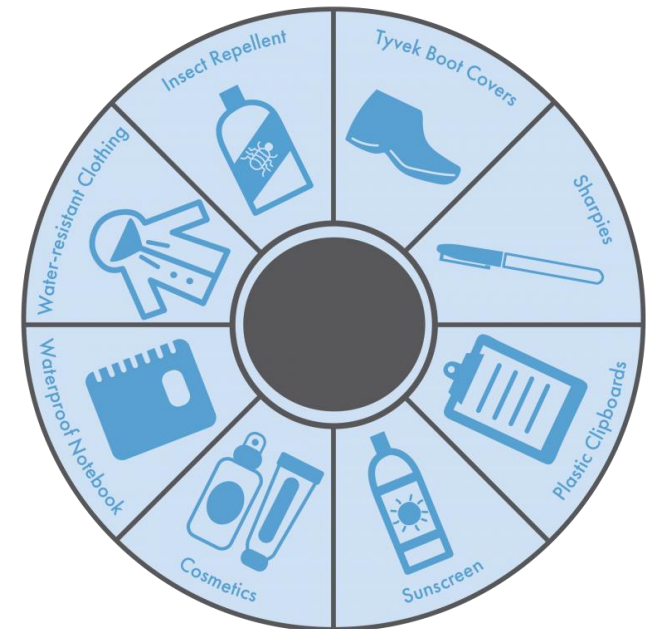
Local utilities report few customer inquiries about PFAs.





## Proactive and Transparent:

- Updated and expanded information on website and drafted new FAQs
- Formed internal communications planning team
- Participating in regional communications group coordinated by MWCOG
- Looking at this nationally in coordination with water/clean water associations
- Coalition building and stakeholder education



PFAS Found in Everyday Sources



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

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT AWARD**

**Janitorial Services**

**(Joint Use)**

Approval to award and fund a contract to provide janitorial services in the amount of \$5,000,000.00 for the base and four option years.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Clean Team Janitorial Services 700 12 <sup>th</sup> St. NW Washington, DC 20005 (DBE)	<b>SUBS:</b> Premier Group Services 7404 Executive Pl. Lanham, MD 20706 (WBE)	<b>PARTICIPATION:</b> DBE 94% WBE 6%
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**DESCRIPTION AND PURPOSE**

Base Period Contract Value:	\$1,008,697.54
Base Period Contract Dates:	10-01-2022 - 9-30-2023
No. of Option Years in Contract:	4
Total Option Year 1-4 Value:	\$3,991,302.46
Proposal Closing Date:	1-10-2022
Proposal Price Range	\$4,708,068.48 - \$34,510,171.06
Total Numbers of Proposals:	10

**Purpose of the Contract:**

To provide janitorial services to DC Water facilities. These services are required and help DC Water manage cleaning throughout the Authority.

**Scope of the Contract:**

Furnish the management, labor, materials, supplies, and equipment necessary to provide janitorial services for office spaces, locker and lunchrooms, the fleet building, trailers, the boat house, welding shops, pumping stations, and blower buildings COVID deep cleaning related expenses throughout all DC Water locations. A 10% contingency was added to the original offering to account for COVID deep cleaning expenses. Approval to award a contract to provide janitorial services in the amount of \$5,000,000.00 for the base and four option years is requested. Each option year will be awarded based on requirements, availability of funds and performance.

**Supplier Selection:**

This was an open market solicitation. Over 500 suppliers were invited to participate, and they were required to attend one of two mandatory site visits. Ten responses were received at the close of the solicitation. Clean Team Janitorial Services is recommended for this contract because they were rated overall the best on the evaluation criteria of qualifications, experience, technical approach, and price.

Clean Team Janitorial Services is the incumbent. They have a proven success record and expertise in performing the requirements set forth in the scope of work. The COTR is satisfied with Clean Team Janitorial Services' performance.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price	<b>Award Based On:</b>	Best Value
<b>Commodity:</b>	Janitorial Cleaning Services	<b>Contract Number:</b>	10195
<b>Project Area:</b>	DC Water wide		

**BUDGET INFORMATION**

<b>Funding:</b>	Operating	<b>Department:</b>	Facilities Services
<b>Project Area:</b>	Authority Wide	<b>Department Head:</b>	Brent Christ

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	70.33%	\$3,516,500.00
Washington Suburban Sanitary Commission	22.20%	\$1,110,000.00
Fairfax County	4.75%	\$237,500.00
Loudoun Water	2.35%	\$117,500.00
Other (PI)	0.37%	\$ 18,500.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$5,000,000.00</b>

 / 07/11/2022  
 Maureen Holman Date  
 EVP of Administrative Services

\_\_\_\_\_/\_\_\_\_\_  
 Dan Bae Date  
 VP, Procurement

\_\_\_\_\_/\_\_\_\_\_  
 Matthew T. Brown Date  
 CFO and EVP, 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 AWARD**

**Fire Protection Systems  
(Joint Use Indirect)**

Approval to award and fund a contract to provide fire protection services in the amount of \$3,500,000.00 for the base and four option years. Each option year will be awarded based on requirements, availability of funds and performance.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> BFPE International Inc. 7512 Connelly Dr. Hanover, MD 21076 (WBE)	<b>SUBS:</b> Total Building Solutions, Inc., Washington, DC (DBE)  Anderson Fire Protection, Inc., Elkridge, MD (DBE)	<b>PARTICIPATION:</b>  WBE 80%  DBE 20%
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**DESCRIPTION AND PURPOSE**

Base Period Contract Value:	\$700,000.00
Base Period Contract Date:	10-01-2022 – 09-30-2023
Number of Option Years:	4
Total Option Year 1-4 Value:	\$2,800,000.00
Proposal Closing Date:	04-13-2022
Total Number of Proposals:	5
Proposal Price Range	\$668,500.00 - \$957,812.00

**Purpose of the Contract:**

DC Water requires a qualified contractor to furnish all labor, materials, equipment and tools to upgrade, maintain and service the Fire Protection System.

**Contract Scope:**

To provide preventative and operational maintenance for the fire protection system, including routine preventative maintenance and repairs of all fire protection systems.

The new contract will focus on continued upgrades of an aging fire protection system and improvements. The Fire System Speakers will be integrated with DC Water Alerts system (Everbridge) to establish public address (voice) capabilities throughout DC Water for emergency communications.

**Supplier Selection:**

This was an open market solicitation; six suppliers were invited to participate and received five responses. BFPE International is recommended for this contract award because they were rated overall best on the evaluation criteria of qualifications, experience, technical approach, and price.

BFPE International is the incumbent. They have proven success and expertise in performing the requirements set forth in the scope of work. The COTR is satisfied with BFPE International's performance.



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

**ACTION REQUESTED**

**CONSTRUCTION CONTRACT:**

**Heavy Cleaning of Major Sewers  
(Joint Use)**

Approval to execute a construction contract not to exceed \$8,000,000.00 for the contract period of three years plus two renewal periods of one year each. The renewal periods will be approved at DC Water's sole discretion.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Mobile Dredging & Video Pipe, Inc., 11420 Old Baltimore Pike Beltsville, MD 20705  <u>Headquarters</u> Chester, PA 19013	Tomar Trucking Pomfret, MD	DBE 9.4%
	BVF Engineers Wayne, NJ	DBE 4.1%
	Savin Engineers, P.C. Landover, MD	DBE 1.2 %
	H.S.A INC Washington, DC	DBE 0.3%
	R&R Contracting Utilities, Inc. Baltimore, MD	WBE 5.0%

DBE Total = 15% and WBE Total = 5.0%

**DESCRIPTION AND PURPOSE**

Contract Value, Not-To-Exceed: \$8,000,000.00  
 Contract Time: 1,825 Days (5 Years, 0 Months)  
 Anticipated Contract Start Date (NTP): 09-03-2022  
 Anticipated Contract Completion Date: 09-03-2027 (Including 2 Option Years)  
 Proposal Opening Date: 03/08/2022  
 Proposals Received: 2

Other Proposals Received  
 Doetsch Environmental Services Inc\*

\* Asterisk indicates shortlisted firms  
 Individual evaluations scores and comments were evaluated to obtain the final scores for each technical proposal. Shortlisted firms advanced to the price evaluation phase.

**Purpose of the Contract:**

Under this contract, DC Water will issue work on as-needed basis through individually negotiated task orders to conduct mainly heavy cleaning of select major sewers. These sewers will be large diameter and require specialized equipment and expertise.

**Contract Scope:**

Work will be accomplished through a series of definitive Task Orders. Each task order will identify the scope of work, deliverables, compensation, and schedule for performance. Core services of this contract are:

- Heavy Cleaning of sewers
- Light Cleaning of sewer pipes larger than 48-inches
- Cleaning of manholes, vaults, and structures
- Maintenance of traffic

**Federal Grant Status:**

Construction Contract is not eligible for Federal Grant funding assistance.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price	<b>Award Based On:</b>	Best Value
<b>Commodity:</b>	Construction	<b>Contract Number:</b>	220090
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Engineering and Technical Services
<b>Service Area:</b>	Sanitary Sewer	<b>Department Head:</b>	William Elledge (Interim)
<b>Project:</b>	RA, RB		

**\*\*ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 8,000,000.00
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>\$ 8,000,000.00</b>

\*\* Under the terms of the IMA, the capital costs associated with each joint facility are to split among the users in proportion to the peak flow each user is allocated. It is not possible, at this time, to allocate costs by individual facility. It is anticipated that as projects are developed under individual Task Orders for work associated with specific facilities and costs are developed, the individual users will be notified and billed and accordingly.

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Kishia L. Powell Date  
COO and EVP

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

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Dan Bae Date  
VP of 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:**

**Wastewater Treatment Program Manager II  
(Joint Use)**

Approval to execute Supplemental Agreement No. 2 for \$20,000,000. The modification exceeds the Chief Executive Officer and General Managers approval authority.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
AECOM Services of DC A Professional Corporation 1101 Connecticut Avenue, N.W. Suite 750 Washington, D.C. 20036  <u>Headquarters</u> Arlington, VA 22201	The Allied Companies, LLC Washington, D.C. DBE	13.6%
	EPCM, Inc. Burke, VA DBE	9.2%
	PEER Consultants, P.C. Washington, D.C. DBE	7.1%
	Delon Hampton & Associates Washington, D.C. DBE	4.5%
	Davis Brothers Construction Co., Inc Richmond, VA DBE	3.7%
	McKissack & McKissack Washington, D.C. WBE	2.2%
	Rohadfox Constr. Control Services Atlanta, GA WBE	1.7%
	SZ PM Consultants Inc. Washington, D.C. WBE	0.7%
	Sigma Associates, Inc. Washington, D.C. WBE	0.6%

DBE Total = 38.1% WBE Total = 5.2%

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$25,000,000
Value of this Supplemental Agreement:	\$20,000,000
Cumulative SA Value, including this SA:	\$20,000,000
Current Contract Value, Including this SA:	\$45,000,000
Original Contract Time:	1278 Days (3 Years, 6 Months)
Time extension, this SA:	440 Days
Total SA contract time extension:	440 Days (1 Years, 3 Months)
Contract Start Date:	04-17-2020
Contract Completion Date:	12-31-2024

**Purpose of the Contract:**

To provide program management services in support of the Wastewater Treatment Service Area portion of DC Water's Capital Improvement Program. Capital projects in this service area are implemented to rehabilitate and upgrade facilities at Blue Plains to ensure that it can reliably and cost-effectively produce a consistent, high quality effluent discharge to the Potomac River to meet its stringent National Pollutant Discharge Elimination System (NPDES) permit requirements.

**Original Contract Scope:**

- Update and Integrate the Blue Plains 2016 Facilities Master Plan and the March 2017 Blue Plains Asset Management Plan.
- Management of task order construction contracts.
- Preparation of reports, budgets, advertisements, estimates, schedules, etc. to assist the Authority with selection of and contracting with design engineers to design projects
- Technical assistance in the update of design standards as needed.

- Assistance with the pre-treatment program.
- Assistance with evaluating alternative energy generation/energy savings opportunities.
- Provision of innovative tools, systems and processes that have been used successfully on other engagements and which may provide DC Water with better delivery of the CIP.

**Previous Supplemental Agreement Scope:**

No cost changes. Add Contract Provisions for Non-Federal Entity Contracts Under Federal Awards

**Current Supplemental Agreement Scope:**

Continue Original Contract Scope of services

**Future Supplemental Agreement Scope:**

None anticipated

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Cost Plus Fixed Fee	<b>Award Based On:</b>	Highest Ranking Score
<b>Commodity:</b>	Professional Services	<b>Contract Number:</b>	DCFA #503-WSA
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Wastewater Engineering
<b>Service Area:</b>	Wastewater Treatment, Water, Sanitary, CSO	<b>Department Head:</b>	Dave Parker
<b>Project:</b>	A2, AL, AM, V1, OD, OE, J2, E8, BR, GW, QJ, FA, HV, RH		

**ESTIMATED USER SHARE INFORMATION\***

A2, AL, AM, V1, OD, OE, J2, E8, BR, GW - Allocation (GIBP Blue Plains)

User	Share %	Dollar Amount
District of Columbia	41.22%	\$7,698,215.05
Washington Suburban Sanitary Commission	45.84%	\$8,561,042.64
Fairfax County	8.38%	\$1,565,042.26
Loudoun County & Potomac Interceptor	4.56%	\$851,622.05
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$18,675,922.00</b>

QJ, FA, HV, RH - Allocation (CAPM Sanitary Sewer, Water)

User	Share %	Dollar Amount
District of Columbia	100.00%	\$1,324,078.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$1,324,078.00</b>

**Total Combined Allocation**

User	Share %	Dollar Amount
District of Columbia	45.11%	\$9,022,293.05
Washington Suburban Sanitary Commission	42.80%	\$8,561,042.64
Fairfax County	7.83%	\$1,565,042.26
Loudoun County & Potomac Interceptor	4.26%	\$851,622.05
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$20,000,000.00</b>

\* The estimate User Share is subject to change under individual Construction Task Orders in response to urgent work requirements across various service areas work associated with specific facilities and costs are developed, the individual users will be notified and billed accordingly.

**David Parker**  
Digitally signed by David Parker  
 DN: E=David.Parker@dcwater.com,  
 CN=David Parker, OU=Engineering,  
 OU=WASA Users, DC=dcwasa, DC=com  
 Date: 2022.07.12 10:38:24-04'00'

David Parker / Date  
 Acting Vice President, Engineering

  
Dan Bae  
 C=US, E=dan.bae@dcwater.com,  
 O=District of Columbia Water and Sewer  
 Authority, OU=VP of Procurement &  
 Compliance, CN=Dan Bae  
 2022.07.12 13:55:43-04'00'

Dan Bae / Date  
 VP of Procurement

 17/13/2022

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

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:**

**Sanitary Sewer Lateral Replacement Contract for FY2023 – FY2025  
(Non-Joint Use)**

Approval to execute a construction contract not to exceed \$17,045,420.00 for the contract period of three years plus two renewal periods of one year each. The renewal period will be approved at DC Water’s sole discretion.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Anchor Construction Corporation 2254 25th Place NE Washington, DC 20018	S&J Services, Inc Hyattsville, MD DBE	23.8%
	AJK Enterprises, LLC Washington, DC DBE	4.3%
	RAM Construction, Inc Annapolis, MD WBE	3.4%
	CC’s Industries, LLC Washington, DC WBE	2.1%
	Keys Materials & Utilities, Inc Mt Airy, MD WBE	0.5%

DBE Total = 28.1% and WBE Total = 6.0%

**DESCRIPTION AND PURPOSE**

Contract Value, Not-To-Exceed:	\$17,045,420.00
Contract Time:	1,825 Days (5 Years, 0 Months)
Anticipated Contract Start Date (NTP):	10/01/2022
Anticipated Contract Completion Date:	09/30/2027 (including 2 Option Years)
Bid Opening Date:	05/23/2022
Bids Received:	4
Other Bids Received:	
Capitol Paving	N/A
Fort Myer Construction Corporation	\$20,393,740.00
Spiniello Companies	\$28,626,632.00

**Purpose of the Contract:**

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

**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. Typical task order scopes may include:

- Emergency Rehabilitation of Sanitary Sewer Lateral
- Add or Replace Building Sewer Cleanout Pipe
- Add or Replace Street Sewer Wye or Thimble with Wye Saddle

**Federal Grant Status:**

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

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Unit Price	<b>Award Based On:</b>	Best Value
<b>Commodity:</b>	Construction	<b>Contract Number:</b>	220040
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Pumping and Sewer Operations
<b>Service Area:</b>	Sanitary	<b>Department Head:</b>	Kenrick St. Louis
<b>Project:</b>	MF, NW, OX		

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 17,045,420.00
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>\$ 17,045,420.00</b>

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 Kishia L. Powell Date  
 COO and EVP

\_\_\_\_\_/\_\_\_\_\_  
 Dan Bae Date  
 VP of Procurement

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 Matthew T. Brown Date  
 CFO and EVP  
 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**

**CONSTRUCTION CONTRACT:**

**Water Infrastructure Rehabilitation & Replacement Contract FY23-FY25  
(Non-Joint Use)**

Approval to execute a construction contract not to exceed \$29,331,337.00 for the contract period of three years plus one renewal period of one year. The renewal period will be approved at DC Water's sole discretion.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Capitol Paving of DC Inc. 2211 Channing St., NE Washington, DC 20018	United Construction Washington, DC DBE	32.0%
	Royal Construction Materials Maclean, VA WBE	6.0%

**DESCRIPTION AND PURPOSE**

Contract Value, Not-To-Exceed:	\$29,331,337.00
Contract Time:	1,460 Days (4 Years, 0 Months)
Anticipated Contract Start Date (NTP):	10-01-2022
Anticipated Contract Completion Date:	09-30-2026 (Including 1 Option Year)
Bid Opening Date:	03/31/2022
Bids Received:	5
Other Bids Received	
Fort Meyer Construction Corporation	\$33,841,449.00
Sagres Construction Corporation	\$35,572,280.00
Spiniello Companies	\$37,461,557.00
Anchor Construction Inc.	\$45,875,442.00

**Purpose of the Contract:**

To provide Indefinite Delivery and Indefinite Quantity (IDIQ) emergency water main rehabilitation and replacement of water service assets in the water distribution system at various locations in Washington, DC. This contract is also designed to assist with large and complex engineering projects that require specialized technical expertise and equipment. Scopes of work will be developed and issued to the contractor on a task order basis as needed by DC Water.

**Contract Scope:**

- Emergency rehabilitation of various size water mains.
- Rehabilitation and replacement of various types of valves, valve castings and valve boxes.
- Rehabilitation and replacement of fire hydrants, fire hydrants leads and lead service lines.
- Rehabilitation and replacement of Water Service assets in the water distribution system.
- Cleaning and lining of six, eight and twelve-inch diameter water mains.
- CCTV Water Main Inspection.
- Traffic Control Plan (TCP) & Site Plan (SP) creation.

**Federal Grant Status:**

- Construction Contract is not eligible for Federal Grant funding assistance.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Unit Price	<b>Award Based On:</b>	Lowest Price Technically Acceptable
<b>Commodity:</b>	Construction	<b>Contract Number:</b>	220110
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Water Services
<b>Service Area:</b>	Water	<b>Department Head:</b>	Jason Hughes
<b>Project:</b>	KY, KZ, L1, L2		

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$29,331,337.00
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>\$29,331,337.00</b>

\_\_\_\_\_/\_\_\_\_\_  
Kishia L. Powell  
COO and EVP  
Date

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

\_\_\_\_\_/\_\_\_\_\_  
Dan Bae  
VP of Procurement  
Date

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

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

**ACTION REQUESTED**

**ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT:**

**Basic Ordering Agreement – Infrastructure XVI  
(Non-Joint Use)**

Approval to execute Supplemental Agreement No. 2 for \$2,000,000. The modification exceeds the Chief Executive Officer and General Managers approval authority.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Ramboll (Formally O’Brian & Gere Engineers, Inc.) 4201 Mitchellville Road Bowie, MD 20716  <u>Headquarters</u> Arlington, VA 22203	Bryant Associates, Inc. Landover, MD 20785 DBE	10.0%
	Sheladia & Associates Rockville, MD 20850 DBE	8.0%
	TLB- Soil and Land Use Technology Washington, DC 20002 DBE	6.7%
	Milhouse Engineering & Constr., Inc. Chicago, IL 60605 DBE	5.0%
	Precision Measurements, Inc. Rockville, MD 20850 WBE	2.0%
	Phoenix Engineering Hunt Valley, MD 21030 WBE	1.0%
	DP Consultants Washington, DC 20050 WBE	1.0%

DBE Total = 29.7% WBE Total = 4.0%

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$6,000,000.00
Value of this Supplemental Agreement:	\$2,000,000.00
Cumulative SA Value, including this SA:	\$2,000,000.00
Current Contract Value, Including this SA:	\$8,000,000.00
Original Contract Time:	1,461 Days (4 Years, 0 Months)
Time extension, this SA:	922 Days
Total SA contract time extension:	2,383 Days (6 Years, 6 Months)
Contract Start Date:	09-22-2015
Contract Completion Date:	04-01-2026

**Purpose of the Contract:**

The agreement will provide professional engineering design and related services for water and sewer infrastructure and facilities.

**Original Contract Scope:**

- Project will include rehabilitation and replacement of water and sewer pipes, upgrades of water and sewer pumping stations and storage facilities. Services are anticipated to include work in the architectural, civil, structural mechanical processes, HVAC, instrumentation and electrical design disciplines and other related services. Related services include but are not limited to preparation of contract documents, engineering surveys, geotechnical investigations, environmental assessments, and permit assistance.
- Projects will be in the water distribution and sewer collection systems as well as pumping station and water storage facilities.



**Previous Supplemental Agreement Scope:**

- A No Cost Time Extension changes the expiration of the contract to September 22, 2023 to accommodate anticipated needs to complete follow-on Task Orders for projects already started under this Agreement.

**Current Supplemental Agreement Scope:**

- Prepare design documents to remove the existing coal-tar lining in the 66-inch steel main along 8th Street NE and reline with glass fiber reinforced polymer internal lining and provide engineering services during construction.
- Provide engineering services during the rehabilitation of the Anacostia Elevated Tanks 1 & 2.

**Future Supplemental Agreement Scope:**

- No Future Supplemental Agreement is anticipated at this time.

**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 470
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Engineering and Technical Services
<b>Service Area:</b>	Water	<b>Department Head:</b>	William Elledge (Interim)
<b>Project:</b>	JZ, FA		

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$2,000,000.00
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>\$2,000,000.00</b>

Kishia L.  
Powell

Digitally signed by Kishia L. Powell  
Date: 2022.07.11 15:16:15 -04'00'

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Kishia L. Powell Date  
COO and EVP

\_\_\_\_\_  
Matthew T. Brown Date  
CFO and EVP  
Finance and Procurement



Dan Bae  
C=US, E=dan.bae@dcwater.com, O=District of Columbia Water and Sewer Authority, OU=VP of Procurement & Compliance, CN=Dan Bae  
2022.07.12 13:56:22-04'00'

\_\_\_\_\_  
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 SUPPLEMENTAL AGREEMENT:**

**Engineering Program Management Consultant 2F  
(Non-Joint Use)**

Approval to execute Supplemental Agreement No. 3 for \$4,200,000. The modification exceeds the Chief Executive Officer and General Managers approval authority.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Mott MacDonald I&E, LLC The Nature Conservancy Building 4245 N. Fairfax Drive Suite 800 Arlington, VA 22203	DM Enterprises of Baltimore Baltimore, MD DBE	10.0%
	Cube Root Washington, DC DBE	7.0%
	C.C. Johnson & Malhotra, P.C. Washington, DC DBE	5.0%
	EBA Engineering Laurel, MD DBE	3.0%
	McKissack & McKissack Washington, DC DBE	3.0%
	Modern Times Inc. Altadena, CA DBE	2.0%
	ADC Management Systems Washington, DC DBE	2.0%
	SZ PM Consultants, Inc. Washington, DC WBE	8.0%

DBE Total = 32.0% WBE Total = 8.0%

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$20,000,000.00
Value of this Supplemental Agreement	\$ 4,200,000.00
Cumulative SA Value, including this SA	\$13,403,000.00
Current Contract Value, including this SA	\$33,403,000.00
Original Contract Time:	1,825 Days (5 Years, 0 Months)
Time extension, this SA:	0 days
Total SA contract time extension	0 days
Contract Start Date:	02/01/2020
Contract Completion Date:	01/25/2025

**Purpose of the Contract:**

To provide program management of the water service area Capital Improvements Program (CIP); provide technical support, staff augmentation and support operations of the water service area.

**Original Contract Scope:**

- Program management of the water service area CIP.
- Provide technical support to the water service area.
- Augment DC Water staff with experienced & qualified technical resources and Project Managers.
- Support operational departments.

**Previous Supplemental Agreement Scope:**

To provide support of DC Water's Lead-Free DC Program (LFDC) with a goal to replace all lead service lines in the District of Columbia by 2030. The scope of this Supplemental Agreement includes the following services thru 09/30/2022.



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

**ACTION REQUESTED**

**ENGINEERING SERVICES:**

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

Approval to execute an architectural and engineering services contract not to exceed \$66,354,879.00. for the contract period of four years plus four renewal periods of one year each. The renewal periods will be approved at DC Water's sole discretion.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Joint Venture (JV) of Ramboll Engineering, PC and CDM Smith Inc 4201 Mitchellville Road, Suite 500 Bowie, MD 20716	Bryant Associates, Inc. Hyattsville, MD	DBE 10.0%
	DM Enterprises, LLC Baltimore, MD	DBE 2.5%
	Interagency, Inc. Washington, DC	DBE 2.5%
	Lourenco Consultants, Inc. Washington, DC	DBE 2.5%
	BVF Engineering, Inc. Wayne, NJ	DBE 2.0%
	CoreGroup, LLC Dayton, NJ	DBE 2.0%
	Soil and Land Use Technology (SaLUT) Washington, DC	DBE 2.0%
	PL Associates, Inc. Edgewood, MD	DBE 1.0%
	Savin Engineers, P.C. Pleasantville, NY	DBE 0.5%
	DP Consultants, Inc. Washington, DC	WBE 4.0%
	PRR, Inc. Baltimore MD	WBE 4.0%
	SZ PM Consultants, Inc. Oakton, VA	WBE 2.0%
	<i>Community Engagement/Permitting Services (TBD)</i>	DBE 5.0%

DBE Total = 30% and WBE Total = 10.0%

Three (3) Mentor Protégé arrangements made with BVF Engineering, PL Associates, and SZ PM Consultants

**DESCRIPTION AND PURPOSE**

Contract Value, Not-To-Exceed: \$ 66,354,879.00  
 Contract Time: 2,920 Days (8 Years, Including 4 Option Years)  
 Anticipated Contract Start Date (NTP): 10/01/2022  
 Anticipated Contract Completion Date: 09/30/2030 (Including 4 Option Years)  
 Other Firms submitting proposals/ qualification statements:  
     JV: DC Equity Partners (DCEP) (Milhouse Engineering, TB&A, EPC Consultants) \*  
     JV: Lead Free Community Partners (Peer Consultants & AECOM) \*  
     Mott MacDonald I&E \*  
     Prime Partners Engineering

\* Asterisk indicates shortlisted firms

