



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY Board of Directors

Meeting of the
Environmental Quality and Operations Committee

Thursday, May 16, 2024

9:30 a.m.

Microsoft Teams meeting

Join on your computer, mobile app

[Click here to join the meeting](#)

Meeting ID: 294 613 320 197

Passcode: bnrsud

Or call in (audio only)

[+1 202-753-6714,,699206352#](#)

Phone Conference ID: 699 206 352#

| | | | |
|------------|------|--|-----------------------------------|
| 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 | Fire Hydrants Update | Sylvia Okogi |
| 9:45 a.m. | V | Water Quality Monitoring | Maureen Schmelling |
| 9:50 a.m. | VI | CIP Quarterly Update | David Parker Paul Guttridge |
| 10:05 a.m. | VII | Lead Free DC Board Resolution Update | William Elledge |
| | | 1. Action Item: Recommendation for Approval LSLR Resolution Modification – Remove 2030 completion goal, remove brass language, and other minor/major changes | |
| 10:15 a.m. | VIII | Action Items | David Parker John Pappajohn |
| | | Joint Use | |
| | | 1. Agreement No. DCFA-540 – Primary Treatment – 20 Year Rebuild – Carollo Engineers, PC | |
| | | 2. Agreement No. DCFA 546-549 – Linear Design, Basic Ordering Agreement – Multiple Contractors | |
| | | 3. Contract No. 200090 – Headworks Influent and Effluent Structures Rehabilitation – Ulliman Schutte Construction, LLC. | |

4. [Contract No. 10439 – Centrifuge Pre-Dewatering Polymer – Polydyne, Inc.](#)
5. [Contract No. 10440 – Belt Press Dewatering Polymer – Polydyne, Inc.](#)
6. [Contract No. 10441 – Primary Treatment Polymer – Polydyne, Inc.](#)
7. [Contract No. 10442 – Secondary Treatment Polymer – Polydyne, Inc.](#)
8. [Contract No. 10084 – Sodium Hypochlorite – Kuehne Chemical Co. Inc.](#)
9. [Contract No. 10444 – Potomac Interceptor Odor Control Facilities Media Replacement Services – C&E Services](#)

Non-Joint Use

1. [Contract No. 10112 – Chemical Root Control of Sanitary Sewers – Duke’s Root Control](#)
2. [Agreement No. DCFA-541 – Engineering Program Management Consultant 2G– Water Smart Alliance \(an AtkinsRealis-Stantec Partnership\)](#)
3. [Contract No. 170070 – Small Diameter Water Main Replacement 14C Change order No. 2 – Fort Myer Construction Corporation](#)
4. [Contract No. 230200 – Creekbed Sewer Rehabilitation Normanstone Park – Spinello Companies](#)
5. [Contract No: 230030 – Lead Free DC \(LFDC\) Lead Service Line Replacement \(LSLR\) Program FY23-FY26 Block by Block Construction – Multiple Contractors](#)

10:50 a.m. IX Other Business/Emerging Issues

10:55 a.m. X Executive Session*

11:00 a.m. XI Adjournment

Sarah Motsch

Follow-up Items from Prior Meetings:

1. Getachew Melsew (Sr. Manager, Planning, Engineering): To provide copy of white paper on the equity analysis benefits and either a presentation to the full Board or the opportunity for Board Members to observe a training session on the equity analysis tool and dashboard. **Responses will be provided in May.**
2. William Elledge (Director, Engineering and Technical Services): Provide a cost estimate for the new parallel Potomac Interceptor River Crossing pipe that has the added benefit of creating redundancy. The committee would like to be informed prior to the geotechnical equipment helicopter fly in. **Responses will be provided in May.**

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

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



BPAWTP UPDATE



Blue Plains Complete Treatment Performance

Environmental Quality & Operations Committee
May 16, 2024

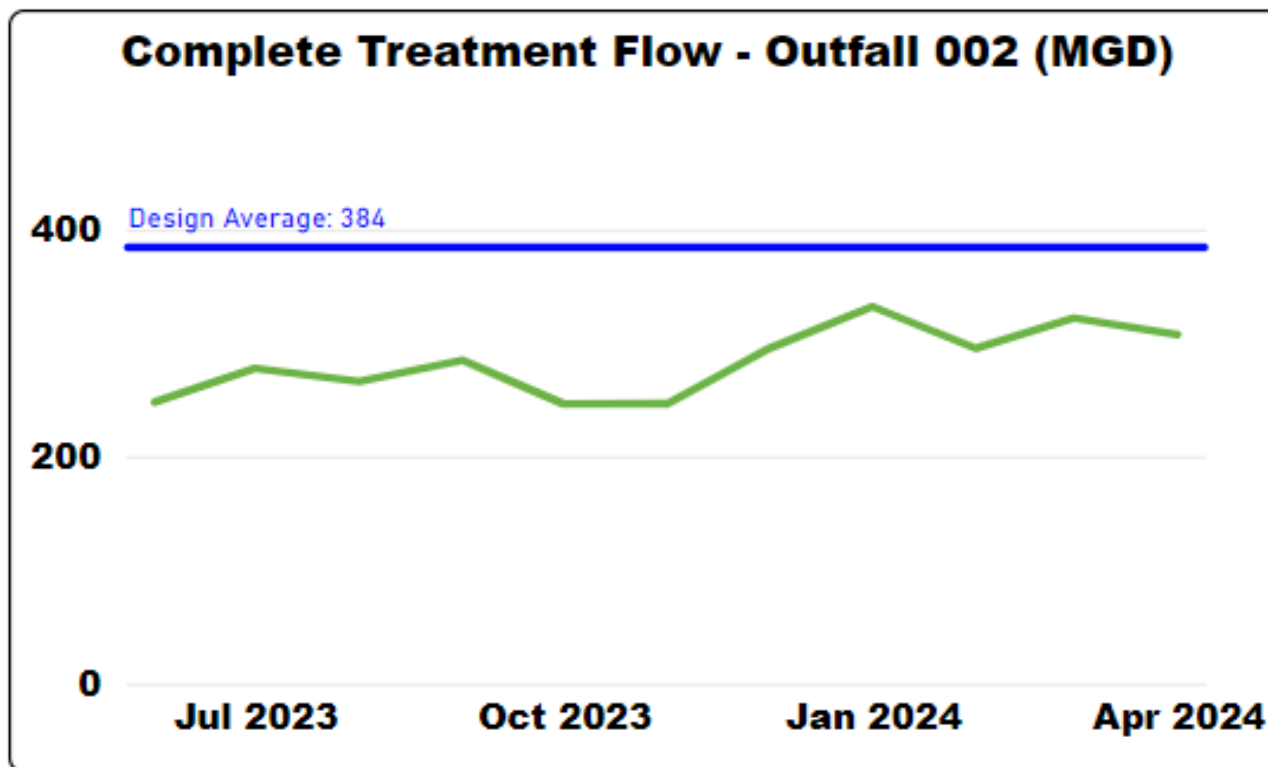


Nicholas Passarelli, Vice President , Wastewater Treatment Operations



Operational Performance Complete Treatment

Monthly Average Flow Trend to Complete Treatment (MGD)



All weekly and monthly
NPDES permit requirements
were met

Average Outfall 002 flow for
April: 307 MGD

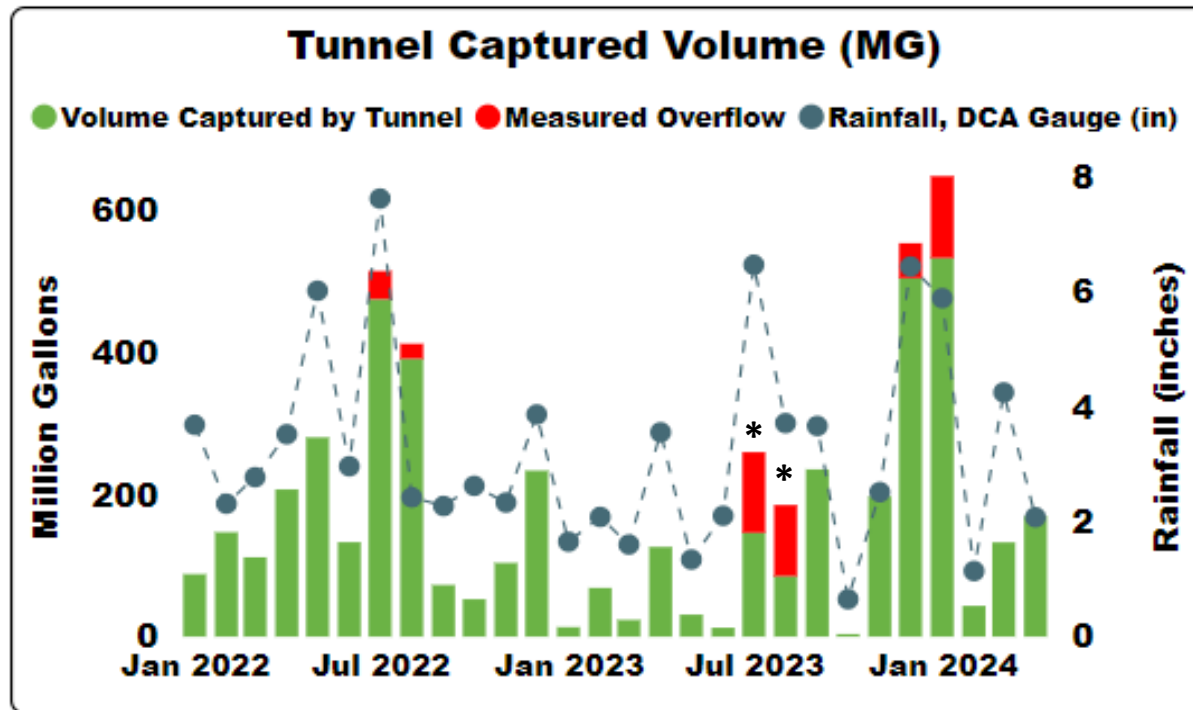
Peak Day flow for April:
April 3rd, at 543 MGD



Operational Performance

Tunnel Systems and Wet Weather Treatment

Anacostia River Tunnel System Performance 2022 – 2024 (Through April 2024)



Total System Performance from Start-Up (2018-2023)

| | Anacostia River Tunnel System |
|---------------------|-------------------------------|
| Number of events | 290 |
| Volume Captured, MG | 16,229 |
| Volume to CSO, MG | 1,538 |
| Percent Captured, % | 91.0 |

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

1443 MG of volume captured by Anacostia River Tunnel System in Calendar Year 2023 through December, with 262 MG overflow

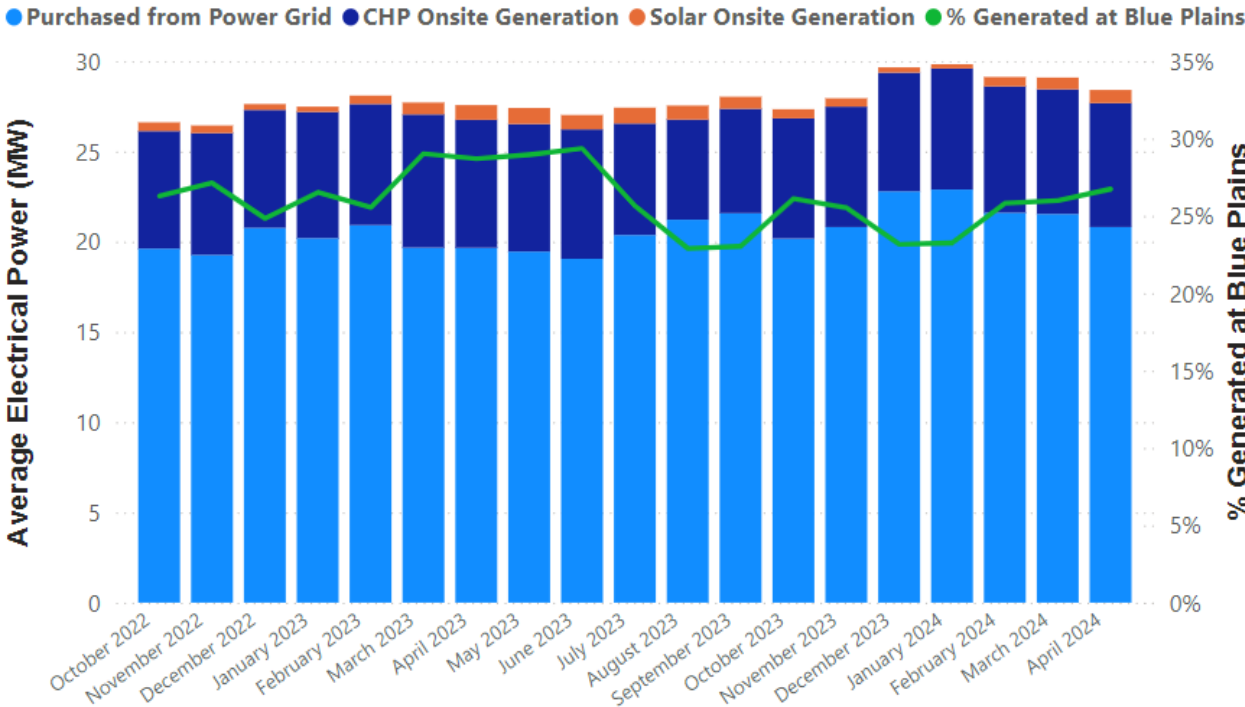
* - CSO 019 diversion to tunnel was out of service July 5 - Aug 29 for commissioning of Northeast Boundary Tunnel, causing temporary increase in overflows. Necessary for safety of workers in tunnel. EPA/DOEE advised in advance.



Operational Performance Electrical Energy Use and Generation

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 8.2 megawatts (MW), with 6.9 MW net to Blue Plains grid

Solar System produced an additional 0.73 MW of power on average

Total electricity consumption at Blue Plains averaged 28.4 MW

DC Water purchased an average of 20.8 MW of electricity from PEPCO

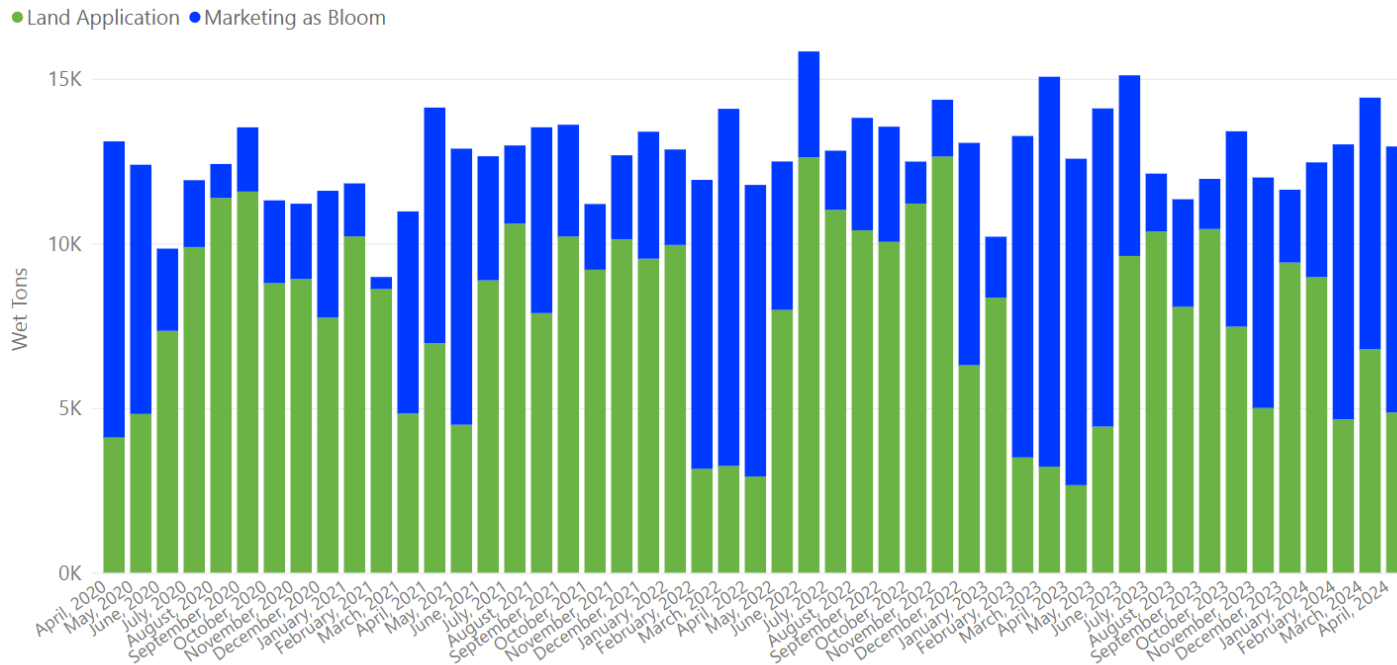
Total Purchased Power Savings FY24 through February: \$1,130,747

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



Operational Performance Class A Biosolids Production

Total Production of Class A Biosolids and Beneficial Reuse by Type



In April, Blue Drop sold approximately 8,079 tons of Bloom; for a total of 42,705 tons towards the FY24 goal of 65,000 tons.

Blue Plains Produced 12,947 tons of biosolids for the month with the remaining 4,868 tons managed through land application contracts.

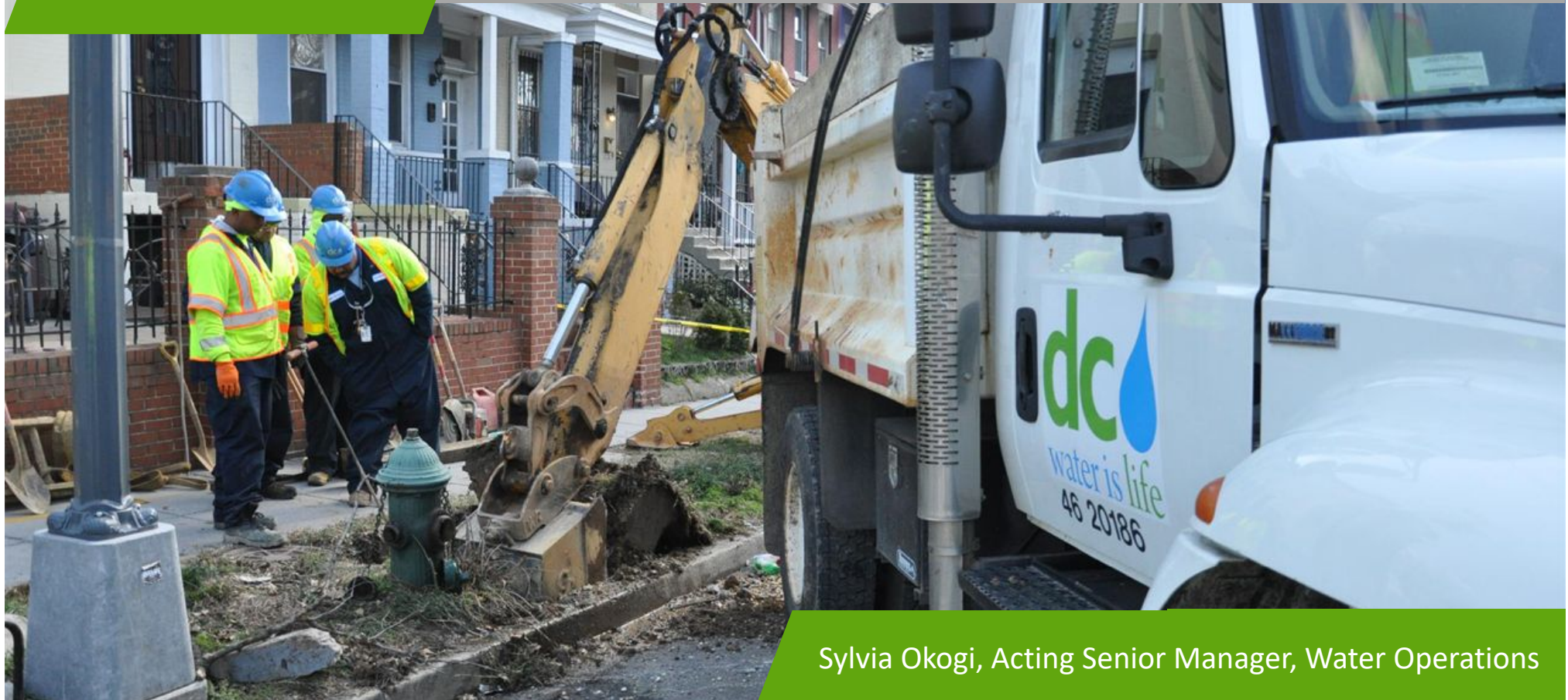


Fire Hydrant Update



Fire Hydrant Update

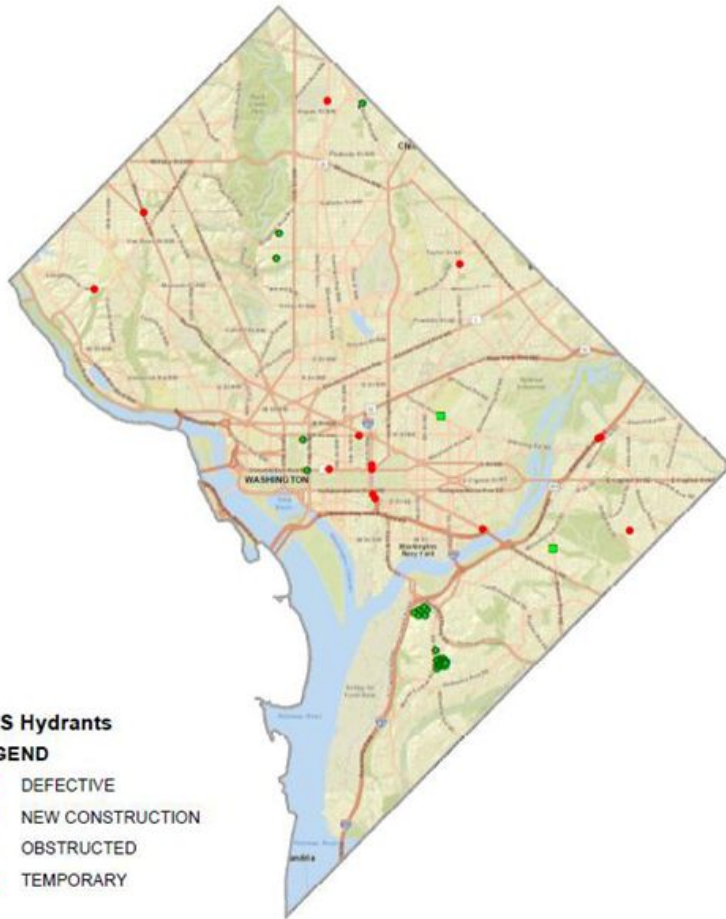
Environmental Quality & Operations Committee
May 16, 2024



Sylvia Okogi, Acting Senior Manager, Water Operations

Map of Public Out-of-Service Hydrants

May 03, 2024



OOS Hydrants LEGEND

- DEFECTIVE
- NEW CONSTRUCTION
- OBSTRUCTED
- TEMPORARY



Prepared By: Distribution Control Branch

Status Report of Public Fire Hydrants for DC Water Services Committee - May 3, 2024

| | February Cmte. Report (February 1, 2024) | March Cmte. Report (March 3, 2024) | April Cmte. Report (April 3, 2024) | May Cmte. Report (May 3, 2024) |
|---|--|--|--|--------------------------------------|
| Public Fire Hydrants: | 9,840 | 9,839 | 9,836 | 9,836 |
| In Service: | 9,796 | 9,793 | 9,790 | 9,794 |
| Marked Out-of-Service (OOS) | 44 | 46 | 46 | 42 |
| OOS - defective requiring repair/replacement | 15 | 19 | 19 | 14 |
| % OOS requiring repair or replacement (DC Water goal is 1% or less OOS) | 0.15% | 0.19% | 0.19% | 0.14% |
| OOS - due to inaccessibility or temp construction work | 29 | 27 | 27 | 28 |

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 May 3, 2024 42

| 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 | 0 | 0 |
| Needs Valve Investigation for Low Flow/Pressure or Shut Test for Replacement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Needs Replacement | 1 | 0 | 0 | 2** | 3** | 0 | 8** | 14 |
| Defective | | | | | | | | 14 |
| 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 | 1 | 0 | 1 | 2 |
| Construction* - OOS | 1 | 0 | 0 | 0 | 1 | 0 | 24 | 26 |
| Obstructed Hydrant – OOS hydrant due to operation impeded by an obstruction. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others | | | | | | | | 28 |

*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.

**Fire hydrants pending replacements are due to constraints outside of our control at this time. Constraints include construction, critical customer impact, large isolation, and critical infrastructure impact.



Water Quality Update



Water Quality Update

Environmental Quality & Operations Committee
May 16, 2024

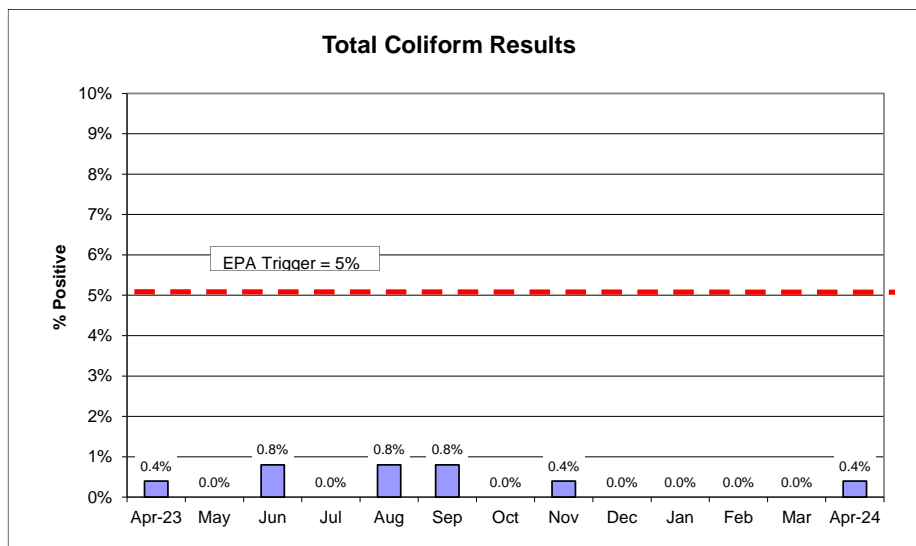


Maureen Schmelling, Director, Water Quality



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 2024 | 1 st Draw | 2 nd Draw |
|--|----------------------|----------------------|
| 90 th Percentile, parts per billion (ppb) | 2.2 | 2.0 |
| Number of samples | 66 | 64 |
| Number of samples > 15 ppb | 0 | 1 |

**90th Percentile should be less than 15 ppb
(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.



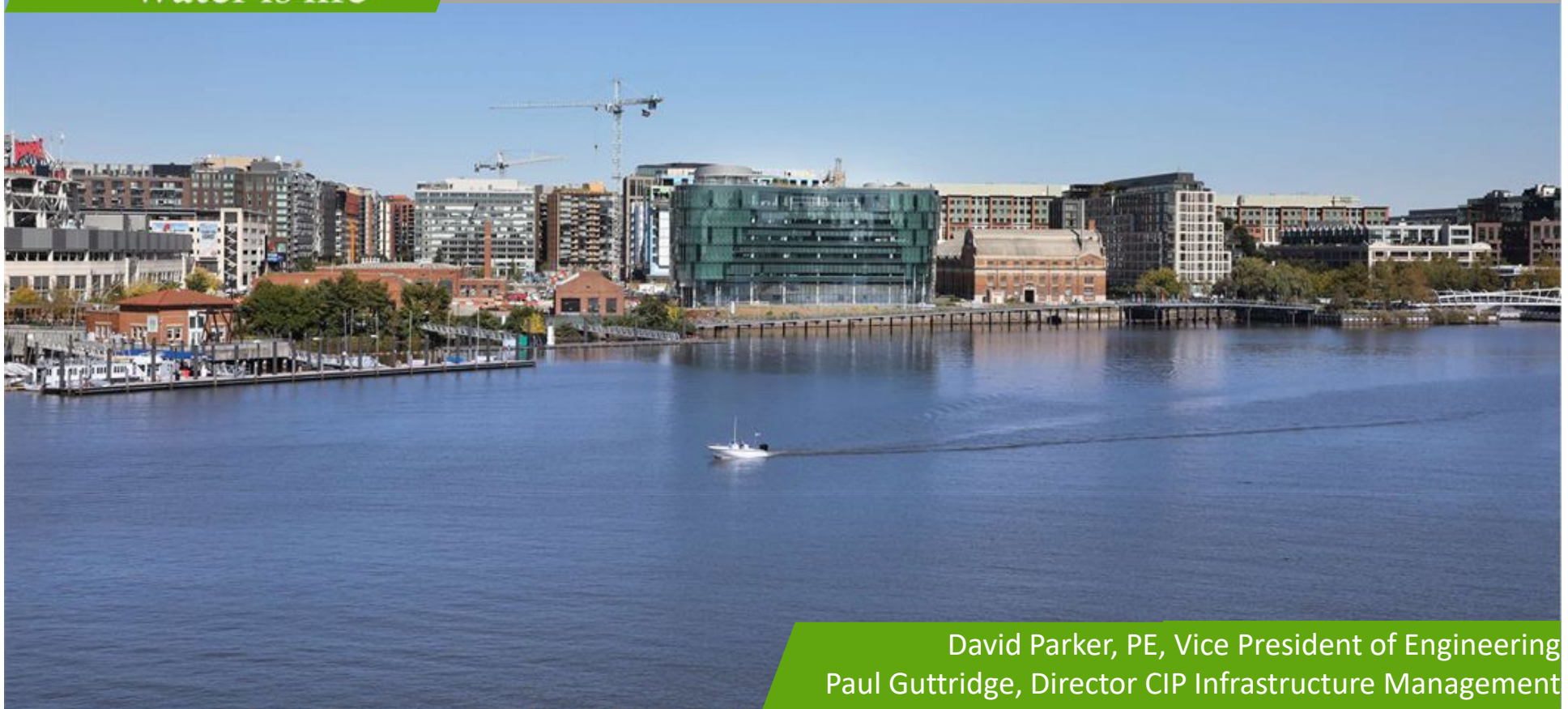
CIP Quarterly Update



CIP Quarterly Update

Environmental Quality & Operations Committee

May 16, 2024



David Parker, PE, Vice President of Engineering
Paul Guttridge, Director CIP Infrastructure Management



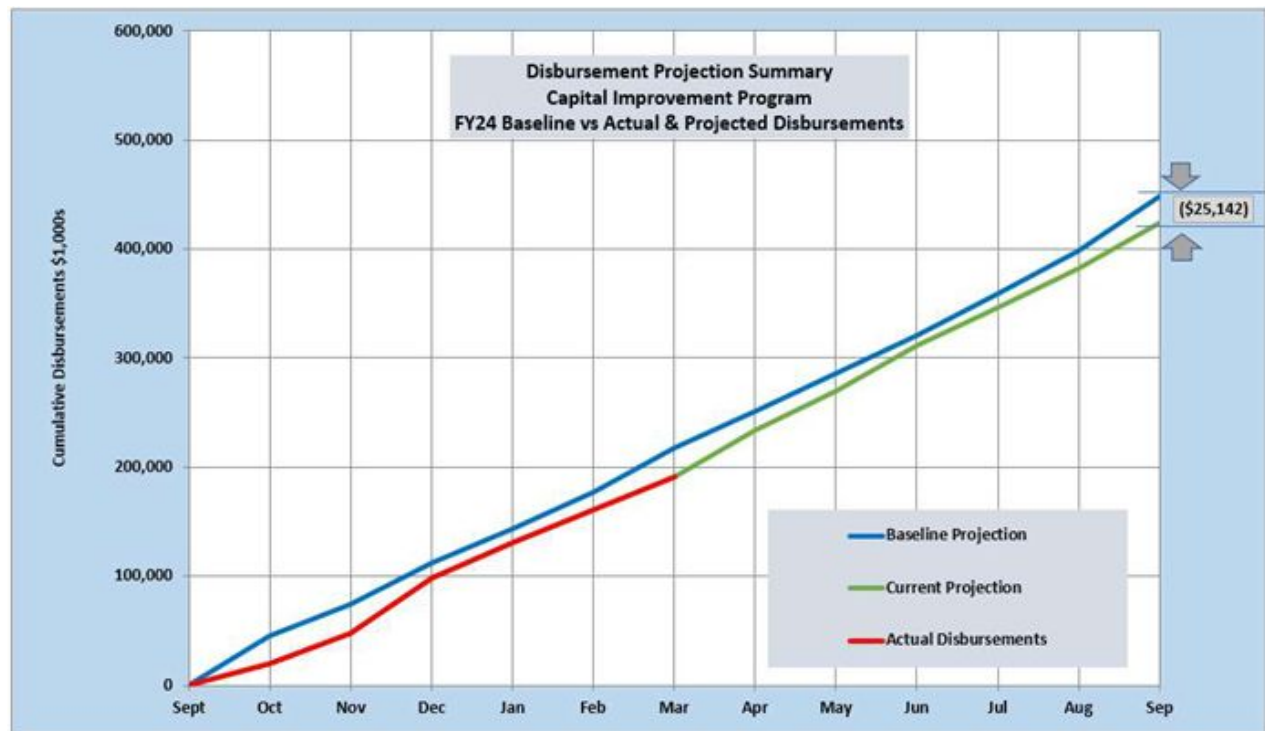
CIP Quarterly Update

FY24 CIP Disbursement Performance

The Baseline projection for FY24 was developed to better align with the anticipated execution of the planned work. Total Baseline budget is \$448.6M

The actual total program disbursements through the end of Quarter 2 compared with the FY24 baseline budget are shown in the chart (right).

The fiscal year 2024 thru Quarter 2 CIP disbursements were **\$191M** through the end of the Quarter.



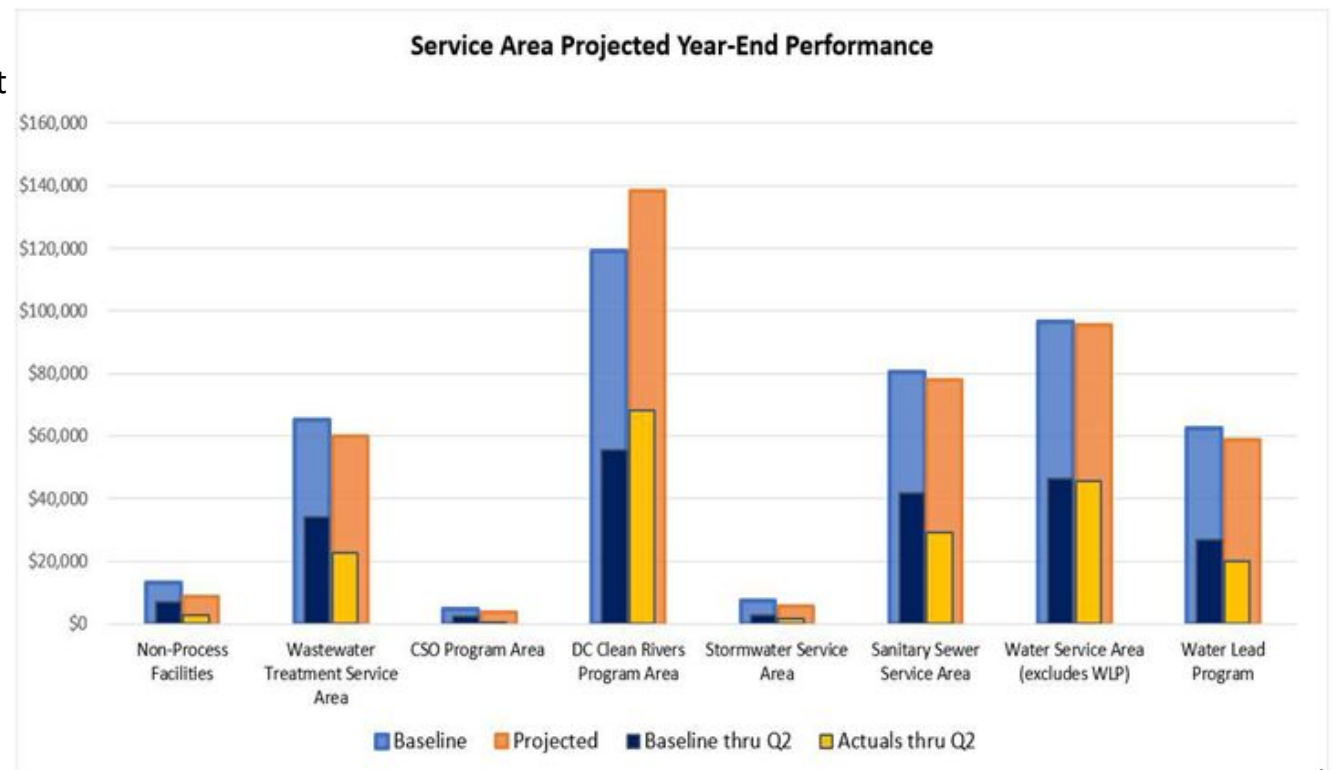


FY24 Performance by Service Area

Service Area Disbursements

As of the second quarter, the forecast is on track to achieve 95% of the baseline, noting individual service area have varying deltas:

- DCCR is progressing slightly ahead of anticipated progress and is expected to end above baseline at year-end.
- The Water program (excluding Lead) is generally on track.
- The Wastewater, Sewer and Lead-Free DC Programs are slightly behind the baseline but are expected to catch-up in the second half of the fiscal year.





Schedule - Key Performance Indicators (KPIs)

Summary of FY24 Key Performance Indicators:

| | Performance |
|----|-----------------------------------|
| 36 | Total KPIs due this year |
| 12 | KPIs completed within threshold |
| 7 | KPIs outside threshold (>90 days) |

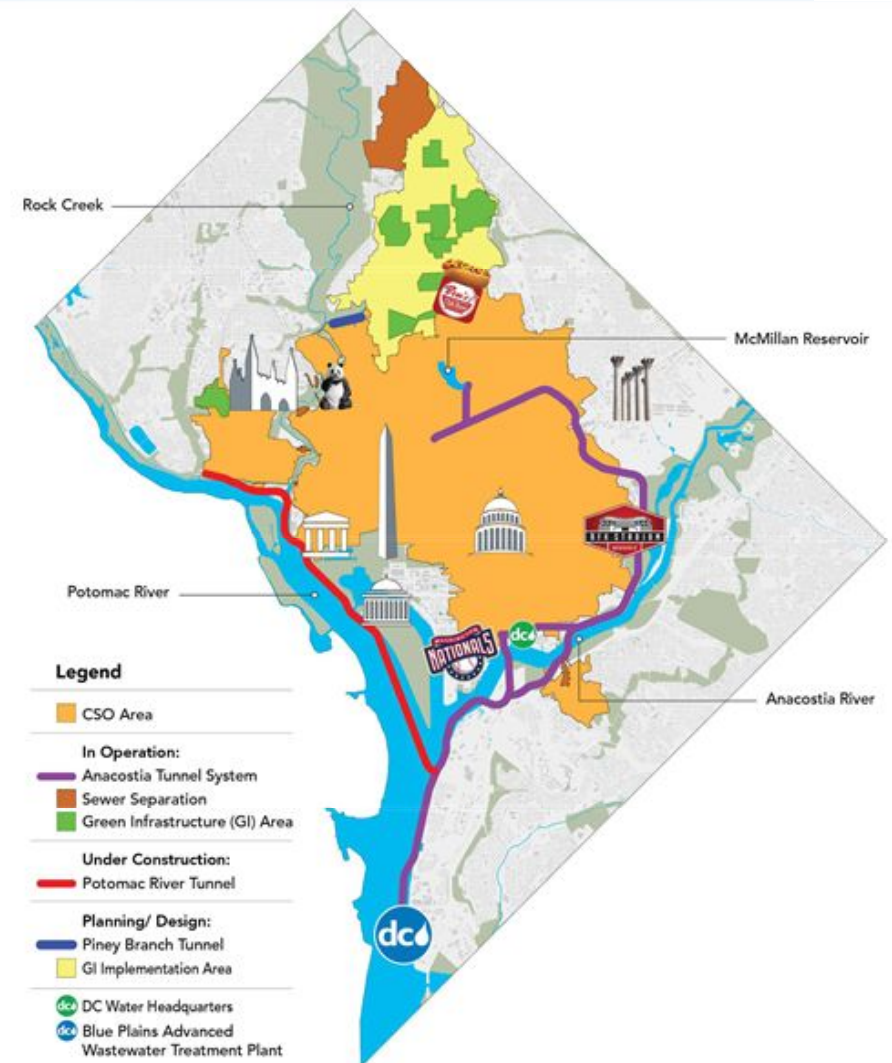
Q2 KPIs achieved within the 90-day threshold:

| Job | Job Name | KPI type | Due Date (Baseline) | Actual Completion | Delta (-ve early) |
|------|---|--------------------|---------------------|-------------------|-------------------|
| FT03 | Out of Service LDWM Elimination Contract 1 | Construction Start | 16-Sep-24 | 04-Mar-24 | -196 |
| GH01 | Service Life Restoration Program (SLRP) 2 | Construction Start | 15-Mar-24 | 11-Mar-24 | -4 |
| OB01 | Inflatable Dams Replacement | Design Start | 19-Feb-24 | 11-Mar-24 | 21 |
| OR01 | Ft. Reno Pump Station Upgrades - Phase II - Pump and Motor Replacements | Design Start | 29-Feb-24 | 9-Jan-24 | -51 |
| HX03 | SDWM Renewal 16C | Construction Start | 16-Jan-24 | 15-Mar-24 | 59 |
| JZ04 | Critical Valve Replacement Year 2 | Design Start | 2-Feb-24 | 17-Jan-24 | -16 |
| JZ06 | Critical Valve Replacement Year 2 | Design Start | 2-Feb-24 | 2-Feb-24 | 0 |
| KH03 | SDWM Renewal 21C | Design Start | 1-Mar-24 | 21-Jan-24 | -40 |



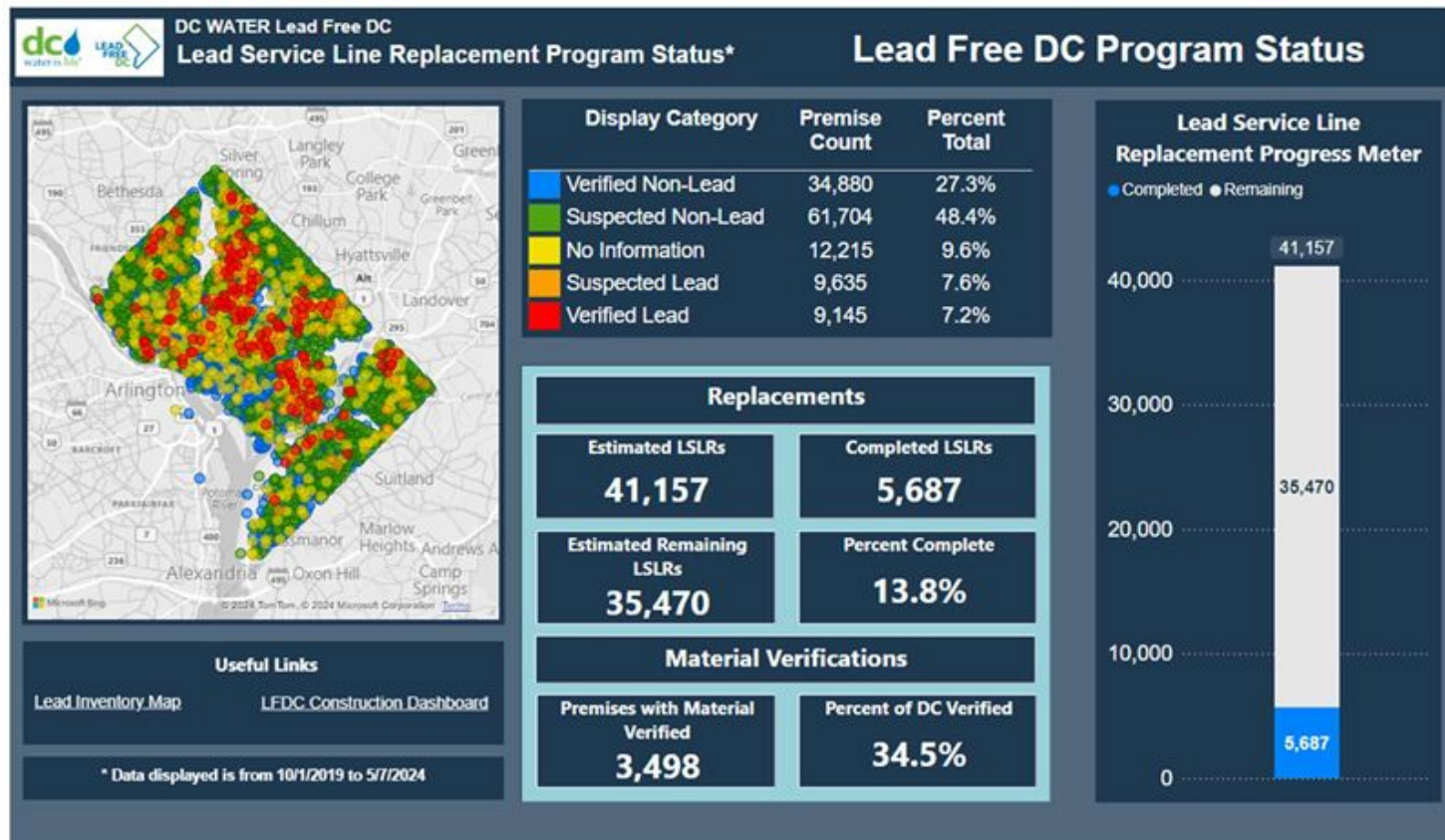
DC Clean Rivers Status

| Area | Status |
|-------------------------------------|---|
| Anacostia River CSO Controls | |
| Anacostia Tunnel System | <ul style="list-style-type: none"> ❖ Completed the construction of all CSO Controls ❖ 90% of site restoration and pavement complete ❖ More than 16.9 billion gallons of CSOs and 10,339 tons of trash and debris captured as of March 2024 |
| Potomac River CSO Controls | |
| Potomac River Tunnel | <ul style="list-style-type: none"> ❖ Mobilizing at the West Potomac Park ❖ Advancing design packages ❖ Advancing utility investigation & instrumentation |
| Rock Creek CSO Controls | |
| Green Infrastructure Project C | <ul style="list-style-type: none"> ❖ Completed 60% design ❖ Industry outreach held on April 23, 2024 ❖ RFQ/P issued on May 6, 2024 |
| Piney Branch Tunnel | <ul style="list-style-type: none"> ❖ Environmental Assessment underway ❖ 90% design underway ❖ Industry outreach held on April 25, 2024 ❖ RFQ/P issued on May 9, 2024 |





Program Spotlight: Lead Free DC





Project Spotlight: Small Diameter Water Main

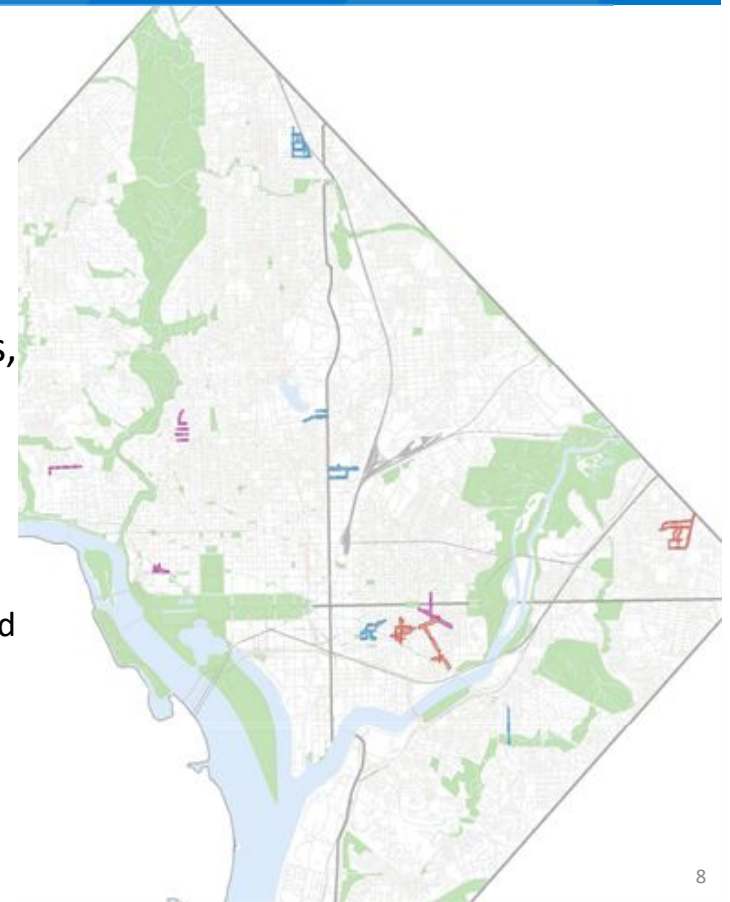
Small Diameter Water Main Replacements 15 (Contracts A, B & D)

Project Description and Cost

- This project is for the rehabilitation of small diameter (12-inch and smaller) deteriorated water pipe to improve available water quality and fire flows. Work includes the elimination of dead-end pipelines in the system and the replacement of appurtenances such as valves, fire hydrants, and house service lines, including lead service lines as they are uncovered.
 - Planned total feet of pipe to be installed: 65,650 linear feet (12.4 Miles)
 - Cost to Date: \$28.6M (62% complete)
 - Total Construction Cost: \$46.1M
 - Contracts are partially funded by Water Infrastructure Finance and Innovations Act. (WIFIA) Loan

Construction Start: December 2021

Projected Final Completion: September 2025





Project Spotlight: Blue Plains AWTP

Miscellaneous Facilities Upgrades (MFU) Construction Contracts

Miscellaneous Facilities Upgrades – Currently Contract 8 (MFU-8)

Project Description and cost

- The purpose of these contracts is to perform emergency and non-emergency repairs and upgrades, primarily on vertical facilities (Blue Plains AWTP, water and sewer pumping stations, etc.) The MFU-8 program budget is \$160M, awarded to 4 contractors. Work tasks include:
 - East Primary Sludge Piping Replacement
 - Biosolids Curing Pad
 - Pre-Dewatering Centrifuges
 - PdNA Full Scale Pilot

Project Start: April 2023 Projected Completion: April 2029





Project Spotlight: Blue Plains AWTP

Filter Underdrain and Backwash Systems Upgrade

This \$122M project improves the reliability and integrity of the filtration facility, eliminating the risk of underdrain failures, rehabilitating aging concrete, and improving the efficiency and reliability of the backwash systems.

Project components include:

- Filter Underdrain system, which includes the underdrain, support gravel, media, and air scour system.
- Washwater system, including pumps, flow rate control meter and valves, and pressure reducing valves.
- Air scour system, including blowers, discharge valves, and shut-off valves
- Electrical system upgrades for the new mechanical equipment and to update the existing power distribution system.
- Concrete repairs for the filter and gullet walls and the flume channels and conduits.

Design Start March 2022, Substantial Completion May 2029



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Project Spotlight: Piney Branch Sewer Rehab Phase 1

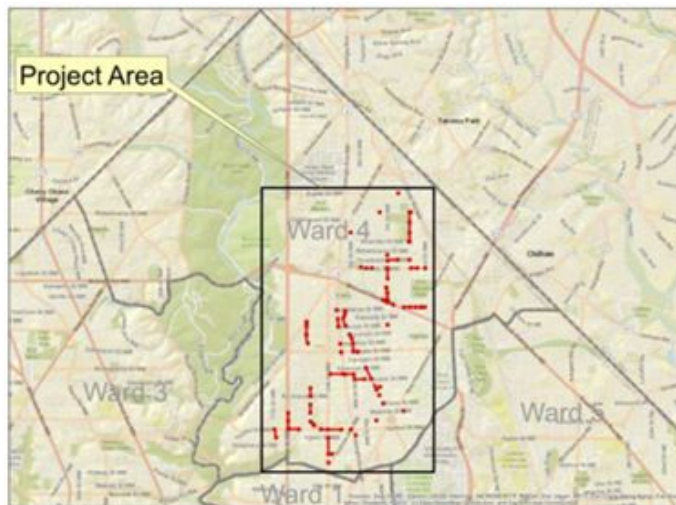
Piney Branch Sewer Rehab Phase 1

Project Description and cost

- This project involves structural rehabilitation of the portion of Piney Branch Sewers, located in Northwest DC using geopolymer liner. The construction cost is \$15.6M

Project Start: June 2023

Projected Completion: September 2026





Project Spotlight: Soapstone Valley Creekbed Sewer Rehab

Soapstone Valley Creekbed Sewer Rehab

- The purpose of this project is to rehab defective sanitary sewer pipes and rehab impacted stream segments.
- The overall project cost is \$8.5M
- Project is 90% complete overall.
 - Stream rehab work is 100%.
 - CIPP lining is 90% complete.
- Work remaining:
 - Permanent restoration of Audubon Terrace is scheduled for completion by May 15.
 - Need to replace manhole in Albemarle which is currently with DDOT for permit review.
 - Cured-in-place pipe (CIPP) lining has three remaining pipe segments.



Project Start: Sept 2021

Projected Completion: Summer 2025



Program Spotlight: Potomac Interceptor



Potomac Interceptor Projects Phase 2 Rehabs

Project Description and cost

- The purpose of this project is to rehabilitate the large diameter pipes and manholes which form the Potomac Interceptor, spanning from Dulles Airport into the District. This work will be accomplished in various stages over 15 years. The overall project cost is \$258M



Project Start: June 2015

Project Completion: Sept 2031





Emergency Project Update: Potomac Interceptor

Potomac Interceptor at Manhole 31

- Sinkhole discovered February 12, 2024. Bypass Pumping initiated.
- New temporary steel pipe installed to convey flow in collapsed segment
- Bypass pumping has been shut down, but pumps remain as contingency
- Heavy cleaning of downstream segment underway.
- Original contract work will resume after heavy cleaning

Anticipated 6 month +/- impact to completion





Emergency Project Update: EWORS

East and West Outfall Relief Sewer

Physical Progress – 26% complete

Ongoing tasks:

- Installation of sheet piling and excavation of bypass channel
- Heavy cleaning of the East and West sewer channels
- Support system for existing communication conduit
- Delivery of Paltem system rings for rehab lining

Critical path includes completion of bypass channel and diverting flow. Estimate this will be initiated in June.

Anticipated completion date: End of 2024





Emergency Project Update: Anacostia Main Interceptor

Anacostia Main Interceptor

Phase 1: Heavy Cleaning:

- Work Started: 02/26/24
- Scope of Work: Heavy Cleaning of ~2,180LF of pipe
- Heavy cleaning completed for 1,750LF as of 04/22/24; Expected Finish of cleaning: late May
- Bypass pumps have been removed



Phase 2: Rehabilitation Work to Address Emergency:

- Approximate Start: July 2024
- Scope of Work: Geopolymer Lining for permanent pipe repair of ~1,460LF, including collapsed segment.
- Progress: DC Water has selected a contractor for the repair. Negotiating final scope and cost.



16



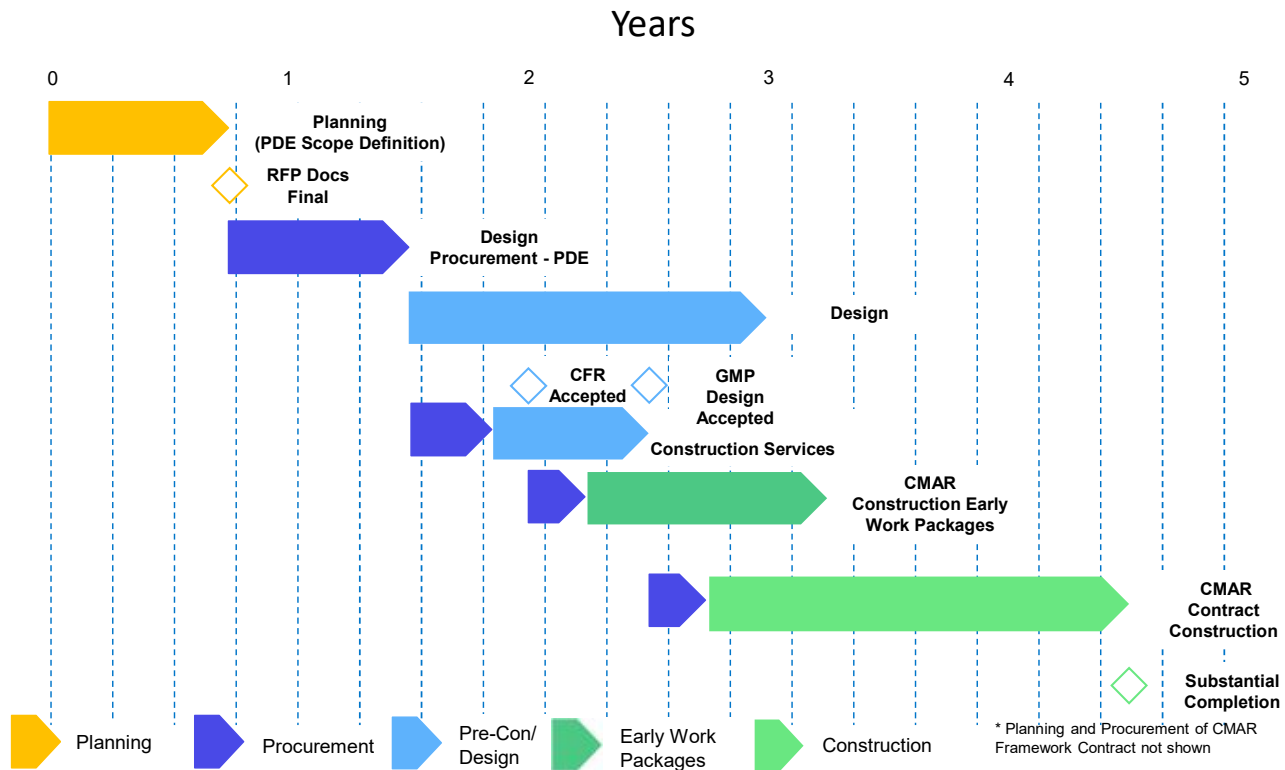
Collaborative Delivery

- Collaborative Delivery as preferred project delivery method
 - Construction Manager at Risk
 - Progressive Design-Build
- Drivers for DC Water
 - Attract high caliber contractors, increase available pool of contractors
 - Reduce risks and achieve better project outcomes including quality, schedule, and budget



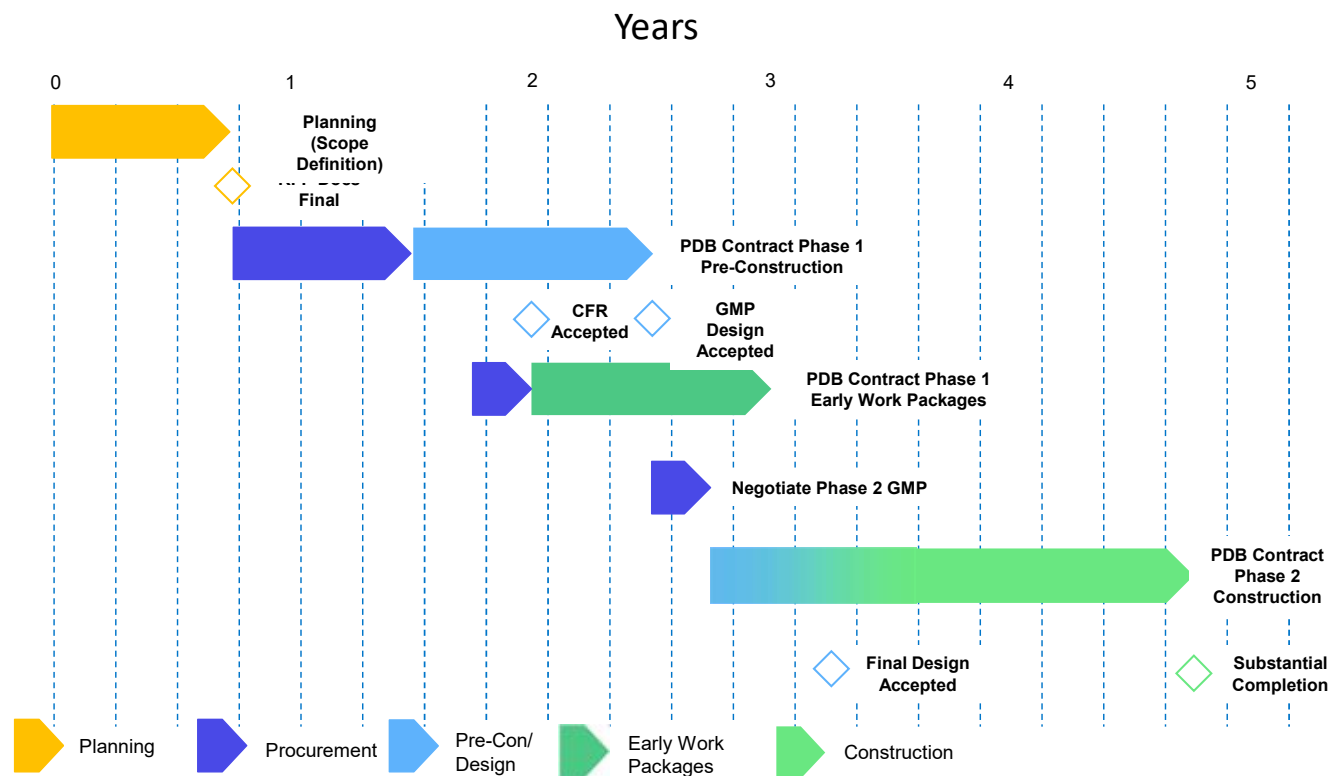


Construction Manager at Risk (CMAR)



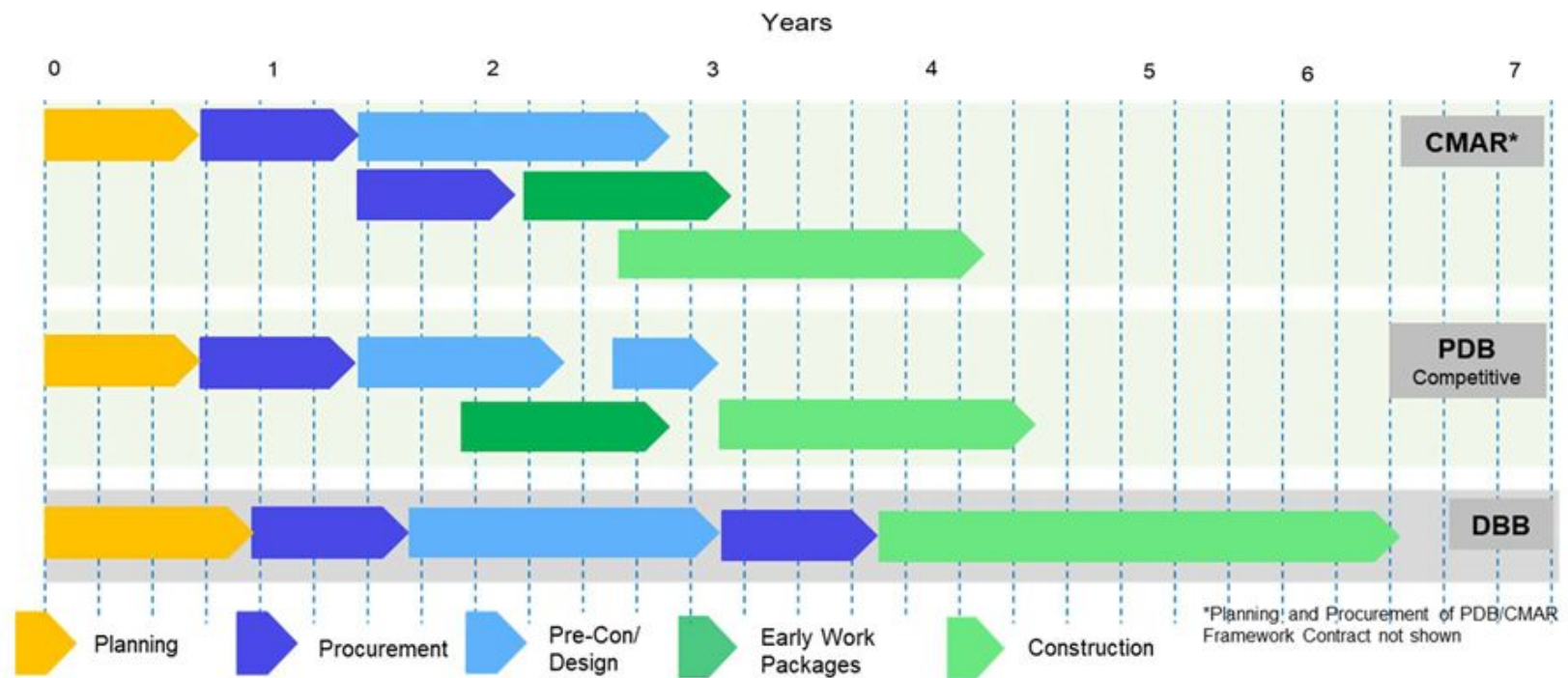


Progressive Design Build (PDB)





Faster Project Delivery





Design Build Institute of America (DBIA)



DBIA principles are driven by the core belief that design-build projects are best executed within the context of an integrated, collaborative team grounded in an atmosphere of mutual trust, transparency, respect, and open, candid communications.

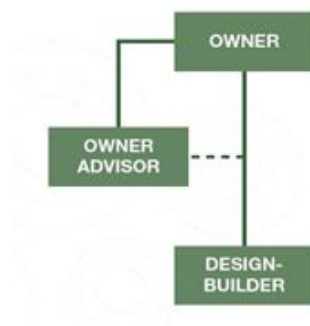


The sum of all of us is greater than the contribution of any one of us.



The best projects unleash the power of a great team, and everyone should have the opportunity to grow professionally and contribute to the success of the project.

Transactional Culture



Collaborative Culture





Collaborative Delivery Contracts

Examples of DC Water's use of Collaborative Delivery include:

- Construction Management At-Risk
 - Primary Facilities Upgrades
 - Glover Park Sewer Rehab
 - Master Services Agreement (MSA) – Informal CMAR
 - Miscellaneous Facilities Upgrades (MFU) – Informal CMAR
- Progressive Design Build
 - Headquarters
 - Potomac Interceptor Pipe Rehab between MH31 and MH30

A Collaborative Delivery Facilitator has been selected to guide the transition
Our Program Management Contracts will include Collaborative Delivery support including serving as "Owner's Representative"



Bundled CMAR Contracts

| Project Name | Construction Start | Construction Finish | Construction Budget |
|---|--------------------|---------------------|---------------------|
| Contract #1 | | | |
| Headworks Electrical Upgrades | 7/24/2025 | 1/22/2029 | \$75M |
| Primary Treatment – 20-year Upgrades | 9/17/2027 | 3/5/2030 | \$125M |
| Contract #2 | | | |
| Filter Underdrain and Backwash System Upgrades (FUBS) | 5/12/2025 | 5/12/2029 | \$115M |
| Miscellaneous Improvements to Filtration Facility | 9/17/2028 | 9/15/2034 | TBD |



Bundled PDB Contracts – 4 Design Build Teams

| Service Area | Budgeted Project Cost |
|------------------------------|-----------------------|
| Water Storage and Pumping | \$200 M |
| Sewer and Stormwater Pumping | \$150 M |
| Wastewater Treatment Plant | \$150 M |
| Total | \$500M |



Lead Free DC Board Resolution Update



Lead Free DC Board Resolution Update

Environmental Quality & Operations Committee

May 16, 2024

**Imagine a city
without lead.**



William Elledge, PE, Director, DCW Engineering &
Technical Services



Action Item: Approve Revised Lead Free DC Plan



Remove 2030 Completion Goal

- Instead use verbiage that defaults to EPA requirements

Remove References to Brass

- Minimal risk of leaching lead into water
- Homes with brass services have lower lead than homes with copper service lines
- EPA does not identify brass service lines as a lead service line and therefore not covered by EPA grants
- DC Code currently includes brass within definition of “lead service” under LPRAP (Lead Pipe Replacement Assistance Program)
- DC Water working with Council on revised language
- External funding for brass service line replacement has not been made available except under LPRAP
- Proposed LCRI does not require replacement of brass services



Current and Proposed Board Policy



Existing Board Resolution #21-46 with proposed changes shown via track changes:

NOW THEREFORE BE IT RESOLVED THAT:

The Board approves revisions to the Lead Free DC Plan as proposed subject to approval of any contracts necessary to implement the program and replace all lead, galvanized iron and brass (if funded) service lines by 2030. The General Manager is directed to perform the following:

1. Implement the Lead Free DC Plan as proposed to replace all lead and, galvanized iron and brass service lines in public space and private property (if funded) by the deadline required by the Environmental Protection Agency's Lead and Copper Rule Improvements 2030.

2. Replace lead and, galvanized iron and brass service lines on private property paid for by funds provided by the property owner, District or federal funds, or from other non-DC Water sources.

2-3. R to replace the public portion of a lead or galvanized iron service line if the owner voluntarily pays for replacement on their property through the Voluntary Full Replacement Program (VFRP).

3-4. Total Discretionary Funds for the replacement of lead and, galvanized iron and brass service lines in public space when the property owner voluntarily agrees to pay for the private side replacement through the VFRP, shall not exceed \$10 Million in a budget year without the approval of the Board of Directors.

4-5. Implement the requirements in the Lead Water Service Line Replacement and Disclosure Amendment Act of 2018, as amended.

5-6. Seek and advocate for funding to assist property owners to pay for the replacement of lead and, galvanized iron and brass service lines on private property.

6-7. Work with DDOT and private developers (if applicable) to replace lead and, galvanized iron and brass service lines in conjunction with their replacement of small diameter water mains.

7-8. Implement programs to identify all unknown service lines and replace identified lead service lines.

8-9. Provide information about the risks related to a partial lead or, galvanized iron or brass service line to property owners that have partial lead service lines or do not consent to replace the lead or, galvanized iron or brass service lines and the additional mitigation efforts they need to perform to reduce the risks of lead.

9-10. Report to the Board annually on the status of the lead and, galvanized iron and brass service line replacement, funding efforts for private replacements and any identified impediments to replacing all lead and, galvanized iron and brass service lines in public space by 2030.



Master Service Agreement Fact Sheet



This procurement mechanism was first executed by Board more than a year ago.

Benefits:

- Decreases procurement duration from 9 months to 3 months.
- Facilitates better interaction for contractor input during design phase
- Works well for repeated installation with monthly targets

Contractor business development:

- Conducted extensive business development outreach
- Added 6 new contractors to pool
- Includes 5 new to DCW
- Total of 14 contractors

Requesting additional of \$250M for future competitive Task Orders under MSA. Carries us through 2027.





Program Updates



- Lead Service Replacements
 - + 5,600 replacements since program launch
 - + 1,100 so far in FY24
- Agreements Signed
 - + 10,000 agreements signed since program launch
 - + 2,000 so far in FY24
- Completed inaugural year of Community Activators program with DOES.
 - 13 new local hires (all District residents)
 - Year 2 Activator program is in the planning stages (12 new local hires)
- 59% W/DBE utilization on Program Management and 43% on Construction
- EPA allocated \$28.65 million in FY24 funds to DC Water, grant application in progress

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

ACTION REQUESTED

ENGINEERING SERVICES:

Primary Treatment – 20 Year Rebuild (Joint Use)

Approval to execute an architectural and engineering services agreement with not-to-exceed \$12,702,859.

CONTRACTOR/SUB/VENDOR INFORMATION

| PRIME: | SUBS: | PARTICIPATION: |
|--|--|----------------|
| Carollo Engineers, PC 901 N. Stuart Street Suite 403 Arlington, VA 22203 | C.C. Johnson & Malhotra, PC Washington, DC DBE | 27.2% |
| | EPCM, Inc Burke, VA DBE | 2.6% |
| | HB Permit Service, Inc. Fort Washington, MD DBE | 0.2% |
| <u>Headquarters</u> Walnut Creek, CA 94598 | SZ PM Consultants, Inc Washington, DC WBE | 10.1% |

DBE Total Participation = 30.0% & WBE Total Participation 10.1%

DESCRIPTION AND PURPOSE

| | |
|--|---------------------------------|
| Contract Value, Not-To-Exceed: | \$12,702,859 |
| Contract Time: | 2,400 Days (6 Years, 7 Months) |
| Anticipated Contract Start Date: | 07-03-2024 |
| Anticipated Contract Completion Date: | 01-28-2030 |
| Other firms submitting proposals/qualification statements: | |
| Brown & Caldwell* | HDR Engineering, Inc.* |
| GHD, Inc.* | Jacobs Engineering Group, Inc.* |
| Greeley & Hansen, LLC | Mott MacDonald I&E, LLC |

* Asterisk indicates short listed firms.

Purpose of the Contract:

- Provide engineering services for the development of upgrades to the East and West Primary Treatment Facilities. Services to be provided during design and construction phases of the Construction Manager at Risk (CMAR) project.

Contract Scope:

- During Phase 1 (pre-construction) of the CMAR project: provide engineering services for concept design and detailed design up to the Guaranteed Maximum Price (GMP) submittal.
- During Phase 2 (construction) of the CMAR project: provide permitting support, completion of detailed design, engineering services during construction, and construction management services for improvements to the East and West Primary Treatment Facilities.

PROCUREMENT INFORMATION

| | | | |
|---------------------------|--------------------------------|-------------------------|-----------------------|
| Contract Type: | Lump Sum & Cost-Plus Fixed Fee | Award Based On: | Highest Ranking Score |
| Commodity: | Engineering Design Services | Contract Number: | DCFA #540-WSA |
| Contractor Market: | Open Market | | |

BUDGET INFORMATION

| | | | |
|----------------------|----------------------|-------------------------|------------------------|
| Funding: | Capital | Department: | Wastewater Engineering |
| Service Area: | Wastewater Treatment | Department Head: | Ryu Suzuki |
| Project: | I7 | | |

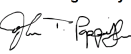
ESTIMATED USER SHARE INFORMATION

| User | Share % | Dollar Amount |
|---|----------------|------------------------|
| District of Columbia | 41.22% | \$ 5,236,118.48 |
| Federal Funds | 0.00% | \$ |
| Washington Suburban Sanitary Commission | 45.84% | \$ 5,822,990.57 |
| Fairfax County | 8.38% | \$ 1,064,499.58 |
| Loudoun County & Potomac Interceptor | 4.56% | \$ 579,250.37 |
| Total Estimated Dollar Amount | 100.00% | \$12,702,859.00 |

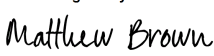
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 Jeffrey F. Thompson Date
 Chief Operating Officer and EVP

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 Dan Bae Date
 VP and Chief Procurement Officer

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

_____/_____
 David L. Gadis Date
 Chief Executive Officer and General Manager

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

ACTION REQUESTED

ENGINEERING SERVICES:

Linear Design, Basic Ordering Agreement (BOA) (Joint Use)

Approval to execute 4 architectural and engineering services contracts with a total program value not to exceed \$60,000,000 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

| PRIME: | SUBS: | PARTICIPATION: |
|--|--|----------------|
| DCFA-546 Dewberry 8401 Arlington Boulevard Fairfax, VA 22031-4619 | Total DBE Participation Total WBE Participation See Attachment A for list of DBE/WBE participants | 30.0% 10.0% |
| DCFA-547 RK&K 700 East Pratt Street, Suite 500 Baltimore, MD 21202 | Total DBE Participation Total WBE Participation See Attachment A for list of DBE/WBE participants | 30.0% 10.0% |
| DCFA-548 GHD, Inc. 16701 Melford Blvd. Suite 221 Bowie, MD 20715 | Total DBE Participation Total WBE Participation See Attachment A for list of DBE/WBE participants | 30.0% 10.0% |
| DCFA-549 Greeley & Hansen LLC 5301 Shawnee Road Suite 400 Alexandria, VA 22312 | Total DBE Participation Total WBE Participation See Attachment A for list of DBE/WBE participants | 30.0% 10.0% |

DESCRIPTION AND PURPOSE

| | |
|---|---------------------------------|
| Program Value, Not-To-Exceed: | \$60,000,000.00 |
| Contract Time: | 1826 Days (5 Years) |
| No. of Option Years in Contract | 2 |
| Anticipated Contract Start Date: | 07-01-2024 |
| Anticipated Contract Completion Date: | 07-01-2029 |
| Other firms submitting proposals/qualification. | |
| A. Morton Thomas and Associates | Prime Partners Engineering, LLC |
| EBA Engineering | Volkert, Inc. |
| Pennoni Associates Inc. | Whiteman Requardt & Associates |

Purpose of the Contract:

The purpose of the Linear Design BOA is to address the increase/ramp-up of water and sewer projects. Currently, DC Water is designing 11 miles/year of small diameter water main replacement, which will increase to approximately 17 miles a year throughout the District of Columbia and the surrounding counties of Prince Georg's, Montgomery, Fairfax, and Loudoun.

Contract Scope:

The scope of work will include:

- To provide civil and structural engineering design and survey
- Subsurface utility engineering (SUE).
- Conduct geotechnical and/or geophysical investigations.
- Design corrosion control measures
- Environmental design & permitting.
- Providing engineering services during bidding and construction.
- Provide Other engineering services as required.

| PROCUREMENT INFORMATION | | | |
|---------------------------|------------------------------|-------------------------|-----------------------|
| Contract Type: | Lump Sum & Cost-Plus Fix Fee | Award Based On: | Highest Ranking Score |
| Commodity: | Engineering Design Services | Contract Number: | DCFA 546,547,548, 549 |
| Contractor Market: | Open Market | | |

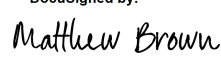
| BUDGET INFORMATION | | | |
|----------------------|--|-------------------------|------------------------------------|
| Funding: | Capital | Department: | Engineering and Technical Services |
| Service Area: | Water, Sanitary Sewer, Stormwater | Department Head: | William Elledge |
| Project: | QT,K7,RG,IL,RX, OS, LZ, RE,QQ,RD,VJ,QU,MQ,G5,JZ,W1,HI,IM | | |

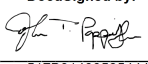
| *ESTIMATED USER SHARE INFORMATION | | |
|---|----------------|------------------------|
| User | Share % | Dollar Amount |
| District of Columbia | 100.00% | \$60,000,000.00 |
| Federal Funds | 0.00% | \$ |
| Washington Suburban Sanitary Commission | 0.00% | \$ |
| Fairfax County | 0.00% | \$ |
| Loudoun County & Potomac Interceptor | 0.00% | \$ |
| Total Estimated Dollar Amount | 100.00% | \$60,000,000.00 |

*Work under this contract will be assigned as needed under specific task orders. It is anticipated that Joint Use work may be assigned during the contract period. As tasks are developed for work associated with specific facilities and costs are developed, the individual users will be notified and billed according to agreed cost-sharing.

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 Jeffrey F. Thompson
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 Chief Financial Officer and EVP
 Finance, Procurement and Compliance
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 Dan Bae
 VP and Chief Procurement Officer
 5/4/2024
 Date

David L. Gadis
 Chief Executive Officer and General Manager
 Date

LINEAR DESIGN, BASIC ORDERING AGREEMENT (BOA)
ATTACHEMENT A – SUBCONTRACTOR LISTING

PARTICIPATION AMOUNT

| PRIME | SUBS | DBE/WBE | PARTICIPATION |
|---|--------------------------------------|---------|---------------|
| DCFA-546 Dewberry | Interagency, Inc. Washington, D.C | DBE | 15% |
| | AB Consultants Lanham, MD | DBE | 15% |
| | PEER Washington, D.C | WBE | 10% |
| Total DBE Participation = 30% Total WBE Participation = 10% | | | |

| PRIME | SUBS | DBE/WBE | PARTICIPATION |
|---|---|---------|---------------|
| DCFA-548 GHD, Inc. | AB Consultants, Inc Lanham, MD | DBE | 11% |
| | CCJM, P.C. Washington, D.C. | DBE | 11% |
| | CV, INC. Gaithersburg, MD | DBE | 6% |
| | Wave Civil, LLC Alexandria VA | DBE | 2% |
| | CEM Bel Air, MD | WBE | 3% |
| | SZ PM Consultants, Inc. Washington, D.C. | WBE | 2% |
| | TFE Resources Hatfield, PA | WBE | 3% |
| | Albrecht Engineering, Inc. Baltimore, MD | WBE | 2% |
| Total DBE Participation = 30% Total WBE Participation = 10% | | | |

| PRIME | SUBS | DBE/WBE | PARTICIPATION |
|---|---|---------|---------------|
| DCFA-547 RK&K | CCJM, P.C. Washington, D.C. | DBE | 8% |
| | AB Consultants, Inc Lanham, MD | DBE | 6% |
| | Wave Civil, LLC Alexandria VA | DBE | 4% |
| | Mercado Consultants, Inc. Ashton, MD | DBE | 4% |
| | Dacco SCI, Inc. Columbia, MD | DBE | 3% |
| | Accurate Infrastructure Data, Inc. Baltimore, MD | DBE | 3% |
| | EPCM, Inc. Burke, VA | DBE | 2% |
| | Ecotech Hydro Excavation, LLC Severn, MD | WBE | 4% |
| | Straughan Environmental, Inc. Columbia, MD | WBE | 3% |
| | Albrecht Engineering, Inc. Baltimore, MD | WBE | 3% |
| Total DBE Participation = 30% Total WBE Participation = 10% | | | |

| PRIME | SUBS | DBE/WBE | PARTICIPATION |
|---|--|---------|---------------|
| DCFA-549 Greeley & Hansen | CCJM, P.C. Washington, D.C. | DBE | 6% |
| | PEER Consultants Washington, D.C. | DBE | 6% |
| | Straughan Environmental Columbia, MD | DBE | 5% |
| | Interagency, Inc. Washington, D.C. | DBE | 3% |
| | SaLUT-TLB, A Division of Soil and Land Use Technology Washington, D.C. | DBE | 3% |
| | Wave Civil, LLC Alexandria VA | DBE | 3% |
| | Coastal Management Solutions Virginia Beach, VA | DBE | 2% |
| | Essential Corrosion Protection Columbia, MD | DBE | 2% |
| | Phoenix Engineering Parkton, MD | WBE | 2% |
| | Precision Measurements Washington, D.C. | WBE | 4% |
| | EHT Tracerics Washington, D.C. | WBE | 2% |
| | Albrecht Engineering, Inc. Baltimore, MD | WBE | 2% |
| Total DBE Participation = 30% Total WBE Participation = 10% | | | |

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

Headworks Influent and Effluent Structures Rehabilitation (Joint Use)

Approval to execute a construction contract for \$29,006,950.00.

CONTRACTOR/SUB/VENDOR INFORMATION

| PRIME: | SUBS: | PARTICIPATION: |
|--|--|----------------|
| Ulliman Schutte Construction, LLC 14420 Albemarle Point Place Suite 110 Chantilly, VA 20151 | Hi-Mark Construction Group Middletown, OH DBE | 37.61% |
| | Com-Bro Contracting, Inc. Elkridge, MD DBE | 0.45% |
| | GE Frisco Woodline Inc. Upper Marlboro, MD DBE | 0.34% |
| | Jernigan Concrete Pumping, Inc. Hanover, MD WBE | 1.86% |
| | Acorn Supply & Distributing, Inc. White Marsh, MD WBE | 1.08% |
| | BG Industrial Rock Hill, SC WBE | 0.97% |
| | Robnet, Inc. Baltimore, MD WBE | 0.09% |
| <u>Headquarters</u> Miamisburg, OH 45342 | | |

DBE Total Participation = 38.4% & WBE Total Participation 4.0%

Ulliman Schutte Construction, LLC established a Mentor-Protege relationship with one of its subs, Hi-Mark, in support of the DBE utilization for this project.

DESCRIPTION AND PURPOSE

| | |
|--|--------------------------------|
| Contract Value, Not-To-Exceed: | \$29,006,950.00 |
| Contract Time: | 1,111 Days (3 Years, 0 Months) |
| Anticipated Contract Start Date (NTP): | 07-03-2024 |
| Anticipated Contract Completion Date: | 07-19-2027 |
| Bid Opening Date: | 01-23-2024 |
| Bids Received: | 1 |

Purpose of the Contract:

The concrete channels, chambers, and wet wells at the Blue Plains east and west headworks facilities are subject to a harsh environment from the wastewater. The east headworks structures are nearly 90 years old and the west headworks structures are about 50 years old. The structures are nearing the end of the service life and in need of resurfacing and rehabilitation to extend their service life.

Contract Scope:

- The scope includes urgent resurfacing and rehabilitation of concrete conveyance structures essential for processing flows at the Blue Plains Plant. Also included are gate repairs, installation of new gates and access covers, and improvements of septage receiving stations.

Federal Grant Status:

- Construction Contract is eligible for Federal grant funding assistance: inclusion in grant is pending availability of grant funds.

PROCUREMENT INFORMATION

| | | | |
|---------------------------|--------------|-------------------------|---------------------------------------|
| Contract Type: | Fixed Price | Award Based On: | Lowest responsive, responsible bidder |
| Commodity: | Construction | Contract Number: | 200090 |
| Contractor Market: | Open Market | | |

BUDGET INFORMATION

| | | | |
|----------------------|----------------------|-------------------------|------------------------|
| Funding: | Capital | Department: | Wastewater Engineering |
| Service Area: | Wastewater Treatment | Department Head: | Ryu Suzuki |
| Project: | BC | | |

***ESTIMATED USER SHARE INFORMATION**

| User | Share % | Dollar Amount |
|---|----------------|------------------------|
| District of Columbia | 41.22% | \$11,956,664.79 |
| Federal Funds * | 0.00% | \$ |
| Washington Suburban Sanitary Commission | 45.84% | \$13,296,785.88 |
| Fairfax County | 8.38% | \$ 2,430,782.41 |
| Loudoun County & Potomac Interceptor | 4.56% | \$ 1,322,716.92 |
| Total Estimated Dollar Amount | 100.00% | \$29,006,950.00 |


* Eligible for Federal Grant Funding at 50% of the District of Columbia share. Grant funding is insufficient to fund all eligible contracts. Federal Grant Funding may be used if additional funding becomes available or if other eligible projects are postponed.

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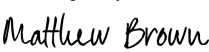
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 VP and Chief Procurement Officer

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

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 David L. Gadis Date
 Chief Executive Officer and General Manager

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD YEAR

CENTRIFUGE PRE-DEWATERING POLYMER

(Joint Use)

Approval to award and fund a contract for the Centrifuge pre- Dewatering Polymer in the amount of \$9,716,000.00 for the base and both option years.

CONTRACTOR/SUB/VENDOR INFORMATION

| | | |
|--|---------------------|------------------------------|
| PRIME: Polydyne, Inc. One Chemical Plant Road Riceboro, GA 31323 | SUBS: N/A | PARTICIPATION: N/A |
|--|---------------------|------------------------------|

DESCRIPTION AND PURPOSE

| | |
|-------------------------------------|-------------------------|
| Base Year Contract Value: | \$3,082,000.00 |
| Base Year Contract Dates: | 07-01-2024 – 06-30-2025 |
| Number of Option Years in Contract: | 2 |
| Total option Year 1 – 2 Value: | \$6,634,000.00 |
| Option Year 1 – 2 Dates: | 07-01-2025 – 06-30-2027 |

Purpose of the Contract:

The purpose of this contract is to supply and deliver dry pre-dewatering polymer to DC Water’s Blue Plains Advanced Wastewater Treatment Facility. This polymer conditions biosolids to help remove water in the centrifuge process.

Contract Scope:

DC Water uses a dry cationic polymer at Blue Plains to help reduce water content and increase the solids content of the Class A biosolids generated after digestion. This conditioning improves the performance of the Cambi and digestion processes, leading to exceptional-quality Bloom that can be applied for beneficial use.

Supplier Selection:

DC Water periodically re-evaluates its polymers to ensure we use the highest quality products at the optimal dosing rates. Recent industry consolidation has left only two manufacturers for the dry polymers that can meet DC Water’s specification: Polydyne and Solenis. Polydyne is DC Water’s current supplier and has been for approximately the past 15 years. Solenis is completing its merger with BASF and is focused on consolidating BASF’s former product line into their own. They formally communicated to DC Water for their inability to compete with Polydyne for DC Water’s polymer application requirements.

No DBE/WBE or LBE/LSBE participation

PROCUREMENT INFORMATION


| | | | |
|---------------------------|------------------------|-------------------------|-------------|
| Contract Type: | Good and Services | Award Based On: | Sole Source |
| Commodity: | Pre-Dewatering Polymer | Contract Number: | 10439 |
| Contractor Market: | Sole Source | | |

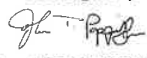
BUDGET INFORMATION

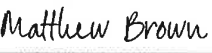
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|----------------------|-------------|-------------------------|----------------------|
| Funding: | Operating | Department: | Wastewater Treatment |
| Project Area: | Blue Plains | Department Head: | Nicholas Passarelli |

ESTIMATED USER SHARE INFORMATION

| User - Operating | Share % | Dollar Amount |
|---|----------------|-----------------------|
| District of Columbia | 43.08% | \$4,185,652.80 |
| Washington Suburban Sanitary Commission | 41.90% | \$4,071,004.00 |
| Fairfax County | 9.60% | \$932,736.00 |
| Loudoun Water | 4.71% | \$457,623.60 |
| Other (PI) | 0.71% | \$68,983.60 |
| TOTAL ESTIMATED DOLLAR AMOUNT | 100.00% | \$9,716,000.00 |

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Dan Bae Date
VP and Chief Procurement Officer

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CFO and Executive Vice-President
of Finance, Procurement and Compliance

David L. Gadis Date
CEO and General Manager

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD YEAR

BELT PRESS DEWATERING POLYMER

(Joint Use)

Approval to award and fund a contract for the Belt Press Dewatering Polymer in the amount of \$10,656,000.00 for the base and both option years.

CONTRACTOR/SUB/VENDOR INFORMATION

| | | |
|--|---------------------|------------------------------|
| PRIME: Polydyne, Inc. One Chemical Plant Road Riceboro, GA 31323 | SUBS: N/A | PARTICIPATION: N/A |
|--|---------------------|------------------------------|

DESCRIPTION AND PURPOSE

| | |
|-------------------------------------|-------------------------|
| Base Year Contract Value: | \$3,380,000.00 |
| Base Year Contract Dates: | 07-01-2024 – 06-30-2025 |
| Number of Option Years in Contract: | 2 |
| Total option Year 1 – 2 Value: | \$7,276,000.00 |
| Option Year 1 – 2 Dates: | 07-01-2025 – 06-30-2027 |

Purpose of the Contract:

The purpose of this contract is to supply and deliver the DC Water specific belt press dewatering polymer to DC Water's Blue Plains Advanced Wastewater Treatment Facility. This polymer conditions biosolids to help remove water in the Final Dewatering Facility at Blue Plains.

Contract Scope:

In the belt press dewatering operations, the polymer is used to help remove water from biosolids after the digestion process. Dewatering biosolids (Bloom) improves the quality of this important co-product by removing water to concentrate the solids and reduce their volume, which also reduces the cost to transport biosolids to application sites.

Supplier Selection:

DC Water periodically re-evaluates its polymers to ensure we use the highest quality products at the optimal dosing rates. Recent industry consolidation has left only two manufacturers for the dry polymers that can meet DC Water's specification: Polydyne and Solenis. Polydyne is DC Water's current supplier and has been for approximately the past 15 years. Solenis is completing its merger with BASF and is focused on consolidating BASF's former product line into their own. They formally communicated to DC Water for their inability to compete with Polydyne for DC Water's polymer application requirements.

No DBE/WBE or LBE/LSBE participation

PROCUREMENT INFORMATION

| | | | |
|---------------------------|--------------------|-------------------------|-------------|
| Contract Type: | Good and Services | Award Based On: | Sole Source |
| Commodity: | Dewatering Polymer | Contract Number: | 10440 |
| Contractor Market: | Sole Source | | |

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION

| User - Operating | Share % | Dollar Amount |
|---|----------------|------------------------|
| District of Columbia | 43.08% | \$4,590,604.80 |
| Washington Suburban Sanitary Commission | 41.90% | \$4,464,864.00 |
| Fairfax County | 9.60% | \$1,022,976.00 |
| Loudoun Water | 4.71% | \$501,897.60 |
| Potomac Interceptor | 0.71% | \$75,657.60 |
| TOTAL ESTIMATED DOLLAR AMOUNT | 100.00% | \$10,656,000.00 |

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Jeffrey F. Thompson

Date

Chief Operating Officer and EVP

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Dan Bae

Date

VP and Chief Procurement Officer

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Matthew Brown

5/3/2024

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Matthew T. Brown

Date

CFO and Executive Vice-President
of Finance, Procurement and Compliance

David L. Gadis

Date

CEO and General Manager

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD YEAR

PRIMARY TREATMENT POLYMER

(Joint Use)

Approval to award and fund a contract for the Primary Clarification Polymer in the amount of \$2,585,000.00 for the base and both option years.

CONTRACTOR/SUB/VENDOR INFORMATION

| | | |
|--|---------------------|------------------------------|
| PRIME: Polydyne, Inc. One Chemical Plant Road Riceboro, GA 31323 | SUBS: N/A | PARTICIPATION: N/A |
|--|---------------------|------------------------------|

DESCRIPTION AND PURPOSE

| | |
|-------------------------------------|-------------------------|
| Base Year Contract Value: | \$820,000.00 |
| Base Year Contract Dates: | 07-01-2024 – 06-30-2025 |
| Number of Option Years in Contract: | 2 |
| Total option Year 1 – 2 Value: | \$1,765,000.00 |
| Option Year 1 – 2 Dates: | 07-01-2025 – 06-30-2027 |

Purpose of the Contract:

This contract is to supply and deliver primary clarification polymer to DC Water's Blue Plains Advanced Wastewater Treatment Facility. This polymer is used to help remove suspended solids from water to comply with DC Water's environmental permit.

Contract Scope:

Wastewater entering Blue Plains contains suspended solids, and the concentration of solids must be reduced to meet DC Water's EPA permits. Polymers are added to the primary and secondary clarification processes to interact with the solids to help remove them.

Supplier Selection:

DC Water periodically re-evaluates its polymers to ensure we use the highest quality products at the optimal dosing rates. Recent industry consolidation has left only two manufacturers for the dry polymers that can meet DC Water's specification: Polydyne and Solenis. Polydyne is DC Water's current supplier and has been for approximately the past 15 years. Solenis is completing its merger with BASF and is focused on consolidating BASF's former product line into their own. They formally communicated to DC Water for their inability to compete with Polydyne for DC Water's polymer application requirements.

No DBE/WBE or LBE/LSBE participation

PROCUREMENT INFORMATION

| | | | |
|---------------------------|-----------------------|-------------------------|-------------|
| Contract Type: | Good and Services | Award Based On: | Sole Source |
| Commodity: | Clarification Polymer | Contract Number: | 10441 |
| Contractor Market: | Sole Source | | |

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION

| User - Operating | Share % | Dollar Amount |
|---|----------------|-----------------------|
| District of Columbia | 43.08% | \$1,113,618.00 |
| Washington Suburban Sanitary Commission | 41.90% | \$1,083,115.00 |
| Fairfax County | 9.60% | \$248,160.00 |
| Loudoun Water | 4.71% | \$121,753.50 |
| Other (PI) | 0.71% | \$18,353.50 |
| TOTAL ESTIMATED DOLLAR AMOUNT | 100.00% | \$2,585,000.00 |

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Jeffrey F. Thompson
 Chief Operating Officer and EVP

DocuSigned by:

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Dan Bae
 VP and Chief Procurement Officer

DocuSigned by:

 5/3/2024
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Matthew T. Brown
 CFO and Executive Vice-President
 of Finance, Procurement and Compliance

 David L. Gadis
 CEO and General Manager

 Date

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD YEAR

SECONDARY TREATMENT POLYMER

(Joint Use)

Approval to award and fund a contract for the Secondary Clarification Polymer in the amount of \$2,239,000.00 for the base and both option years.

CONTRACTOR/SUB/VENDOR INFORMATION

| | | |
|--|---------------------|------------------------------|
| PRIME: Polydyne, Inc. One Chemical Plant Road Riceboro, GA 31323 | SUBS: N/A | PARTICIPATION: N/A |
|--|---------------------|------------------------------|

DESCRIPTION AND PURPOSE

| | |
|-------------------------------------|-------------------------|
| Base Year Contract Value: | \$710,000.00 |
| Base Year Contract Dates: | 07-01-2024 – 06-30-2025 |
| Number of Option Years in Contract: | 2 |
| Total option Year 1 – 2 Value: | \$1,529,000.00 |
| Option Year 1 – 2 Dates: | 07-01-2025 – 06-30-2027 |

Purpose of the Contract:

This contract is to supply and deliver secondary clarification polymer to DC Water's Blue Plains Advanced Wastewater Treatment Facility. This polymer is used to help remove suspended solids from water to comply with DC Water's environmental permit.

Contract Scope:

Wastewater entering Blue Plains contains suspended solids, and the concentration of solids must be reduced to meet DC Water's permits. Polymers are added to the primary and secondary clarification processes to interact with the solids to help remove them.

Supplier Selection:

DC Water periodically re-evaluates its polymers to ensure we use the highest quality products at the optimal dosing rates. Recent industry consolidation has left only two manufacturers for the dry polymers that can meet DC Water's specification: Polydyne and Solenis. Polydyne is DC Water's current supplier and has been for approximately the past 15 years. Solenis is completing its merger with BASF and is focused on consolidating BASF's former product line into their own. They formally communicated to DC Water their inability to compete with Polydyne for DC Water's polymer application requirements.

No DBE/WBE or LBE/LSBE participation

PROCUREMENT INFORMATION

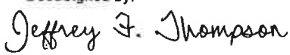
| | | | |
|---------------------------|-------------------|-------------------------|-------------|
| Contract Type: | Good and Services | Award Based On: | Sole Source |
| Commodity: | Polymer | Contract Number: | 10442 |
| Contractor Market: | Sole Source | | |

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION

| User - Operating | Share % | Dollar Amount |
|---|----------------|-----------------------|
| District of Columbia | 43.08% | \$964,561.20 |
| Washington Suburban Sanitary Commission | 41.90% | \$938,141.00 |
| Fairfax County | 9.60% | \$214,944.00 |
| Loudoun Water | 4.71% | \$105,456.90 |
| Other (PI) | 0.71% | \$15,896.90 |
| TOTAL ESTIMATED DOLLAR AMOUNT | 100.00% | \$2,239,000.00 |

DocuSigned by:

 Jeffrey F. Thompson
 Chief Operating Officer and EVP

5/2/2024


Date

DocuSigned by:

 Dan Bae
 VP and Chief Procurement Officer

5/2/2024

Date

DocuSigned by:

 Matthew T. Brown
 CFO and Executive Vice-President
 of Finance, Procurement and Compliance

5/3/2024

Date

David L. Gadis
 CEO and General Manager

Date

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEAR

**SODIUM HYPOCHLORITE
(Joint Use)**

This contract action is to add \$1,800,000.00 in funds to option year 2.

CONTRACTOR/SUB/VENDOR INFORMATION

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

DESCRIPTION AND PURPOSE

| | |
|--|-------------------------|
| Base Year – Option Year 2 Value: | \$17,760,000.00 |
| Base Year – Option Year 2 Dates: | 10-01-2021 – 09-30-2024 |
| Option Year 2 Additional Value: | \$1,800,000.00 |
| Option Year 2 Dates: | 04-01-2024 – 09-30-2024 |

Purpose of the Contract:

To supply and deliver sodium hypochlorite. The sodium hypochlorite is used for 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's Board of Directors approved \$17,760,000 for the Base and two, one-year options. At the beginning of OY1, the Sodium Hypochlorite price was increased and contributed to an accelerated depletion of the approved funds. DC Water requires an additional \$1,800,000 to meet Sodium Hypochlorite needs through the end of the last option year.

DC Water will update its sodium hypochlorite supply strategy, which may include working with other local utilities on the possibility of combining purchase volume.

Spending Previous Year:

| | |
|-------------------------------|---|
| Cumulative Contract Value: | 10-01-2021 to 09-30-2024: \$17,760,000.00 |
| Cumulative Contract Spending: | 10-01-2021 to 04-01-2024: \$15,586,876.00 |

Contractor's Past Performance:

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

PROCUREMENT INFORMATION

| | | | |
|---------------------------|--------------------------|-------------------------|----------------------|
| Contract Type: | Goods and Services | Award Based On: | Best Value and Price |
| Commodity: | Sodium Hypochlorite | Contract Number: | 10084 |
| Contractor Market: | Open Market with DBE/WBE | | |

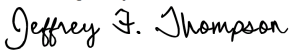
BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION

| User - Operating | Share % | Dollar Amount |
|---|----------------|-----------------------|
| District of Columbia | 43.08% | \$775,440.00 |
| Washington Suburban Sanitary Commission | 41.90% | \$754,200.00 |
| Fairfax County | 9.60% | \$172,800.00 |
| Loudoun Water | 4.71% | \$84,780.00 |
| Potomac Interceptor | 0.71% | \$12,780.00 |
| TOTAL ESTIMATED DOLLAR AMOUNT | 100.00% | \$1,800,000.00 |

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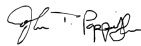
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Jeffrey F. Thompson

Date

Chief Operating Officer and EVP

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Dan Bae

Date

VP and Chief Procurement Officer

DocuSigned by:



5/3/2024

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Matthew T. Brown

Date

CFO and Executive Vice-President

of Finance, Procurement and Compliance

David L. Gadis_____
Date

CEO and General Manager

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD

POTOMAC INTERCEPTOR ODOR CONTROL FACILITIES

MEDIA REPLACEMENT SERVICES

(Joint Use)

Approval to execute contract award for Potomac Interception Odor Control Media Replacement Services in the amount of \$1,400,000.00 for a four year contract term, (3-base years plus 1 option year).

CONTRACTOR/SUB/VENDOR INFORMATION

| | | |
|---|---------------------|-----------------------------------|
| PRIME: C&E Services, Inc. of Washington 1224 W. Street, SE Washington, DC 20020 | SUBS: N/A | PARTICIPATION: DBE 100% |
|---|---------------------|-----------------------------------|

DESCRIPTION AND PURPOSE

| | |
|----------------------------------|-------------------------|
| Base Award Contract Value: | \$1,050,000.00 |
| Base Award Contract Dates: | 07-01-2024 – 06-30-2027 |
| No. of Option Years in Contract: | 1 |
| Option Year 1 Value: | \$350,000.00 |
| Option Year 1 Dates: | 07-01-2027 – 06-30-2028 |

Purpose of the Contract:

The contract provides the services that remove and replace the old (spent) odor control media, Potassium Permanganate and Carbon, in the six Odor Control Facilities (OCF) along the Potomac Interceptor.

Contract Scope:

The scope of the contract includes providing labor services for the removal and replacement of the old (spent) odor control media and inspection/repair of the screens in the six Odor Control Facilities (OCF) along the Potomac Interceptor. Adjustment of system airflow and cleaning of the mist eliminator at each site are also requirements.

Spending Previous Year:

| | |
|-------------------------------|-----------------------------------|
| Cumulative Contract Value: | 06/19/20 – 06/30/24: \$770,000.00 |
| Cumulative Contract Spending: | 06/19/20 – 09/04/24: \$623,215.00 |

Contractor's Past Performance:

According to the COTR on the Electrical & Instrumentation Maintenance contract #10030 separately held by this contractor, the past performance of the contractor's quality of products and services, timeliness of deliverables, adherence to DC Water's policies and contract terms, and invoicing conformance met requirements.

PROCUREMENT INFORMATION

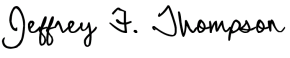
| | | | |
|---------------------------|--------------------------|-------------------------|----------------------|
| Contract Type: | Goods and Services | Award Based On: | Best value and Price |
| Commodity: | Media Replacement | Contract Number: | 10444 |
| Contractor Market: | Open Market with DBE/WBE | | |


BUDGET INFORMATION


| | | | |
|----------------------|--|-------------------------|----------------------------|
| Funding: | Operating | Department: | Pumping & Sewer Operations |
| Project Area: | Potomac Interception Odor Control Facilities | Department Head: | Kenrick St Louis |

ESTIMATED USER SHARE INFORMATION

| User - Operating | Share % | Dollar Amount |
|---|----------------|-----------------------|
| District of Columbia | 65.93% | \$923,020.00 |
| Washington Suburban Sanitary Commission | 16.22% | \$227,080.00 |
| Fairfax County | 10.14% | \$141,960.00 |
| Loudoun Water | 6.66% | \$93,240.00 |
| Potomac Interceptor | 1.05% | \$14,700.00 |
| TOTAL ESTIMATED DOLLAR AMOUNT | 100.00% | \$1,400,000.00 |

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 Chief Operating Officer and EVP

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 Dan Bae Date
 VP and Chief Procurement Officer

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 Matthew T. Brown Date
 CFO and EVP of Finance, Procurement and Compliance

 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

**GOODS AND SERVICES CONTRACT AWARD
Chemical Root Control of Sanitary Sewers
(Non Joint-Use)**

Approval to award a chemical root control service contract in the amount of \$2,191,194.00 for a base term of three years and two option years.

CONTRACTOR/SUB/VENDOR INFORMATION

| | | |
|--|--|----------------------------------|
| PRIME: Duke's Root Control, Inc. 1020 Hiawatha Boulevard West Syracuse, NY 13204 | SUBS: Riviera Enterprises, Inc. (DBE) 7600 Penn Belt Drive Forestville, MD 20747 | PARTICIPATION: DBE 12% |
|--|--|----------------------------------|

DESCRIPTION AND PURPOSE

| | |
|-----------------------------------|-------------------------|
| Base Period Contract Value: | \$1,303,847.00 |
| Base Period Contract Dates: | 07-30-2024 – 07-29-2027 |
| No. of Options Years in Contract: | 2 |
| Total Option Year 1-2 Value: | \$887,347.00 |
| Option Year 1-2 Dates: | 07-30-2027 – 07-29-2029 |
| Number of Proposals: | 1 |

Purpose of the Contract:

Provide chemical root control services required to treat and prevent root growth in sanitary sewers.

Contract Scope:

Provide labor, equipment and foam application of a chemical root control product designed specifically for use in sewer mains to kill active root growth and inhibit future root growth in sanitary sewers.

Background; By an open market solicitation, Contract 10112 Chemical Root Control of Sanitary Sewers was awarded to Duke's Root Control, Inc. on July 30, 2021 to provide chemical root control service throughout the DC area. Duke's Root Control, Inc. was the only supplier to respond to the RFP.

Current Market research indicates Duke's Root Control, Inc. is the only vendor in the DC area providing chemical root control service. DC Water contacted Metropolitan Washington Council of Governments to see if any members have a chemical root control contract. Of the seven members that responded, only three members require root control service and have existing contracts with Duke's Root Control Inc.

Procurement broadened the search area and contacted the City of Baltimore, City of Wilmington and City of Rockville, all of which have contracts in place with Duke's Root Control, Inc. contract as well.

Additional conversations with Duke's Root Control, Inc. resulted in awarding a new contract versus extending the existing contract.

Contractor's Past Performance:

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

PROCUREMENT INFORMATION

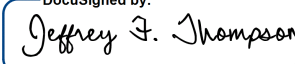
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|---------------------------|--|-------------------------|------------|
| Contract Type: | Firm Fixed Price | Award Based On: | Best Value |
| Commodity: | Service | Contract Number: | 10112 |
| Contractor Market: | Sole Source with Goals for DBE and WBE Participation | | |

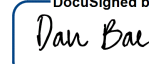
BUDGET INFORMATION

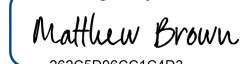
| | | | |
|----------------------|-------------------|-------------------------|------------------------------|
| Funding: | Operating | Department: | Pumping and Sewer Operations |
| Service Area: | Various Locations | Department Head: | Kenrick StLouis |

ESTIMATED USER SHARE INFORMATION

| User | Share % | Dollar Amount |
|---|----------------|-----------------------|
| District of Columbia | 100.0% | \$2,191,194.00 |
| Washington Suburban Sanitary Commission | 0.00% | \$0.00 |
| Fairfax County | 0.00% | \$0.00 |
| Loudoun Water | 0.00% | \$0.00 |
| Potomac Interceptor | 0.00% | \$0.00 |
| TOTAL ESTIMATED DOLLAR AMOUNT | 100.00% | \$2,191,194.00 |

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 Jeffrey F. Thompson Date
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 Dan Bae Date
 VP and Chief Procurement Officer

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 Matthew T. Brown Date
 CFO and EVP of Finance, Procurement, and Compliance

 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

ENGINEERING SERVICES:

Engineering Program Management Consultant 2G (Non-Joint Use)

Approval to execute an architectural and engineering services contract not to exceed \$43,000,000 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 pending acceptable performance.

CONTRACTOR/SUB/VENDOR INFORMATION

| PRIME: | SUBS: | PARTICIPATION: |
|--|---|----------------|
| Water Smart Alliance (an AtkinsRealis-Stantec Partnership) | Total DBE Participation Total WBE Participation | 30.0% 10.0% |
| AtkinsRealis USA, Inc. 3901 Calverton Boulevard Suite 400 Calverton, MD 20705 | See Attachment A for list of DBE/WBE participants. | |
| Stantec Consulting Services, Inc. 1299 Pennsylvania Ave, NW Suite 405 Washington, DC 20004 | | |

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$43,000,000
 Contract Time: 1825 Days (5 Years, 0 Months)
 Option Years: 2
 Anticipated Contract Start Date: 07-01-2024
 Anticipated Contract Completion Date: 06-30-2029
 Other firms submitting proposals/qualification statements:

Mott MacDonald I&E, LLC

Hazen & Sawyer, PC*

Ramboll Engineering, P.C.

* Asterisk indicates short listed firms.

Purpose of the Contract:

Provide program management, owners agent and construction management services required for the planning and executing the Capital Improvement Program (CIP) and non-CIP tasks; provide design services, staff augmentation, and operations support in the Water Service Area and serve as owner's agent for collaborative project delivery.

Contract Scope:

Scope includes:

- Provide general program management functions.
- Assist DC Water in the collaborative delivery of the capital improvement program.
- Provide engineering services including:
 - Design and design reviews,
 - Water hydraulic model,

- GIS support, and
 - Other as directed.
- Conduct condition assessment of large diameter Water Mains.
- Serve as Owner's Agent for all new collaborative delivery projects executed in the Water Service Area.
- Provide Construction Management Services.
- Augment DC Water staff with experienced & qualified technical resources, project managers and construction managers.
- Support operational departments
 - Provide technical expertise pertaining to existing or proposed assets and facilities.
 - Provide technical support for development of SOPs, Job Plans, O&M Manuals and other guidance documents.

PROCUREMENT INFORMATION

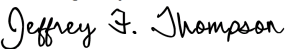
| | | | |
|---------------------------|--------------------------------|-------------------------|-----------------------|
| Contract Type: | Lump Sum & Cost-Plus Fixed Fee | Award Based On: | Highest Ranking Score |
| Commodity: | Engineering Design Services | Contract Number: | DCFA #541-WSA |
| Contractor Market: | Open Market | | |

BUDGET INFORMATION

| | | | |
|----------------------|------------|-------------------------|------------------------------------|
| Funding: | Capital | Department: | Engineering and Technical Services |
| Service Area: | Water | Department Head: | Ryu Suzuki |
| Project: | KV, LB, FT | | |


ESTIMATED USER SHARE INFORMATION

| User | Share % | Dollar Amount |
|---|----------------|-------------------------|
| District of Columbia | 100.00% | \$ 43,000,000.00 |
| 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% | \$ 43,000,000.00 |

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 Jeffrey F. Thompson
 Chief Operating Officer and EVP


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 Dan Bae
 VP and Chief Procurement Officer

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

5/5/2024

Date

 David L. Gadis
 Chief Executive Officer and General Manager

Date

ENGINEERING PROGRAM MANAGEMENT CONSULTANT 2G
ATTACHMENT A – SUBCONTRACTOR LISTING
PARTICIPATION AMOUNT

| | | | |
|--|---|-----|------|
| DCFA-541 Water Smart Alliance (an AtkinsRealis-Stantec Partnership) | FOXXSTEM DC LLC Washington, DC | DBE | 5.0% |
| | Millhouse Engineering and Construction, Inc. Chicago, IL | DBE | 5.0% |
| | DM Enterprises of Baltimore, LLC Baltimore, MD | DBE | 3.0% |
| | SZ PM Consultants, Inc. Washington, DC | DBE | 3.0% |
| | C.C.Johnson & Malhotra, P.C. Rockville, MD | DBE | 2.0% |
| | Delon Hampton & Associates Washington, DC | DBE | 2.0% |
| | Engineering Design Technologies Glen Burnie, MD | DBE | 2.0% |
| | EPC Consultants, Inc. San Francisco, CA | DBE | 2.0% |
| | River to Tap, Inc.(R2T) Philadelphia, PA | DBE | 2.0% |
| | Tejy, Inc. Rockville, MD | DBE | 2.0% |
| | Wave Civil LLC Alexandria, VA | DBE | 2.0% |
| | Aseedo Consulting, LLC Laurel, MD | WBE | 5.0% |
| | Blue Cypress Consulting, LLC Decatur, GA | WBE | 3.0% |
| | Ecotech Hydro Excavation Quarryville, PA | WBE | 2.0% |
| Total DBE Participation = 30% Total WBE Participation = 10% | | | |

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

ACTION REQUESTED

CONSTRUCTION CONTRACT CHANGE ORDER:

Small Diameter Water Main Replacement-14C (Non-Joint Use)

Approval to execute a Change Order No. 002 for \$1,822,282.25. The modification exceeds the Chief Executive Officer and General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

| PRIME: | SUBS: | PARTICIPATION: |
|---|---|----------------|
| Fort Myer Construction Corporation 2237 33rd St NE Washington, DC 20018 | Aves Construction Temple Hills, MD DBE | 10.0% |
| | S&J Services Hyattsville, MD DBE | 10.0% |
| | United Construction Upper Marlboro, MD DBE | 10.0% |

The project is still on pace to meet the overall utilization goals of 32% DBE and 10% WBE.

DESCRIPTION AND PURPOSE

| | |
|--|-----------------------------|
| Original Contract Value: | \$11,639,133.75 |
| Total of Previous Change Orders: | \$ 8,499,999.98 |
| Current Contract Value: | \$20,139,133.73 |
| Value of this Change Order: | \$ 1,822,282.25 |
| Current Contract Value, including this CO: | \$21,961,415.98 |
| Original Contract Time: | 550 Days (1 Year, 6 Months) |
| Time extension, this CO: | 0 Days |
| Total CO contract time extension: | 626 Days (1 Year, 9 Months) |
| Contract Start Date (NTP): | 07-12-2021 |
| Anticipated Contract Completion Date: | 09-30-2024 |
| Cumulative CO % of Original Contract: | 88.7% |
| Contract completion %: | 70.0% |

Purpose of the Contract:

Replacement of small diameter water mains that have experienced failures, or have a history of low water pressure, or water quality issues across various locations within the District of Columbia.

Original Contract Scope:

- Replace 3.52 miles of small diameter water mains associated valves and appurtenances.
- Replace copper water services two (2) inches in diameter and smaller in public and private space as needed.
- Replacement curb stop / curb stop box, meter box and penetration through building wall and connection to first fitting inside the building including installation of a shut-off valve and pressure reducing valve.
- Provide permanent pavement and surface restoration.

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 of Columbia. This Change Order provides construction resources for the FY23-24 By-Block lead service line replacements as a component of the LFDC Capital Improvement Program as the transition is made to the Lead-Free Group (LFG) Program and Construction Management (PM/CM) Team. The Scope of this change order includes replacement of lead service lines on both public and private property and associated restoration.

Current Change Order Scope:

The Scope of this change order includes proposed quantity modifications required to complete the contract work as quantities estimated during design did not consider the full extent of the work required. Quantity modifications include the following:

- Remove and replace existing lead and galvanized water service lines on private property.
- Install New Fire Hydrants
- Installation of Meters (provided by DC Water), Meter Boxes, Curb Stops, Frames and Covers.
- Permanent street restoration: Asphalt Mill and Overlay of the roadway. Restoration and/or replacement of brick and concrete driveways. Bus Replacement Pads, Curb and Gutter replacement. PCC Base and PCC Pavement.
- Installation of Mainline Fittings
- Installation of new water distribution piping
- Installation of new Gate Valves

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: | 170070 |
| Contractor Market: | Open Market | | |

BUDGET INFORMATION

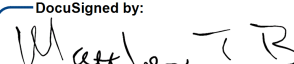
| | | | |
|----------------------|---------|-------------------------|------------------------------------|
| Funding: | Capital | Department: | Engineering and Technical Services |
| Service Area: | Water | Department Head: | William Elledge |
| Project: | F2, BW | | |

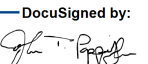
ESTIMATED USER SHARE INFORMATION

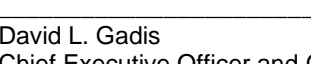
| User | Share % | Dollar Amount |
|---|----------------|------------------------|
| District of Columbia | 100.00% | \$ 1,822,282.25 |
| Federal Funds | 0.00% | \$ |
| Washington Suburban Sanitary Commission | 0.00% | \$ |
| Fairfax County | 0.00% | \$ |
| Loudoun County & Potomac Interceptor | 0.00% | \$ |
| Total Estimated Dollar Amount | 100.00% | \$ 1,822,282.25 |

DocuSigned by:

 5/3/2024
 Jeffrey F. Thompson
 Chief Operating Officer and EVP

DocuSigned by:

 5/6/2024
 Matthew T. Brown
 Chief Financial Officer and EVP
 Finance, Procurement and Compliance

DocuSigned by:

 5/4/2024
 Dan Bae
 VP and Chief Procurement Officer

DocuSigned by:

 Date
 David L. Gadis
 Chief Executive Officer and General Manager

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

Normanstone Sanitary Sewer Rehabilitation (Non-Joint Use)

Approval to execute a construction contract for \$ 3,362,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

| PRIME: | SUBS: | PARTICIPATION: |
|--|---|----------------|
| Spinello Companies 354 Eisenhower Parkway Livingston, NJ 07039 | Shekinah Group, LLC New Brunswick, NJ DBE | 25.42% |
| | P&P Sewer Techs, INC Fort Washington, MD DBE | 7.58% |
| | R & R Contracting Utilities, INC Onley, MD WBE | 4.52% |
| | TFE Resources Ventnor, NJ WBE | 1.96% |
| | Manuel Luis Construction, Co. Inc. Silver Sprin MD WBE | 1.52% |

DBE Total Participation = 33.0% & WBE Total Participation 8.0%

DESCRIPTION AND PURPOSE

| | |
|--|------------------------------|
| Contract Value, Not-To-Exceed: | \$ 3,362,000.00. |
| Contract Time: | 260 Days (0 Years, 9 Months) |
| Anticipated Contract Start Date (NTP): | 08-02-2024 |
| Anticipated Contract Completion Date: | 04-19-2025 |
| Bid Opening Date: | 03-18-2024 |
| Bids Received: | 1 |

Purpose of the Contract:

To rehabilitate portions of the Normanstone 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:

- Clean and perform CCTV inspection of approximately 6,298 linear feet of sanitary sewer ranging from 10 inch to 30 inches in diameter in support of cured in place lining and manhole rehabilitation.
- Complete contingent external point rehabilitation as needed to complete cured in place lining.
- Rehabilitate approximately 6,298 linear feet of sanitary sewer ranging from 10 inch to 30 inches diameter via cured in place lining (CIPP).
- Provide sanitary sewer bypass pumping as required to maintain continuous sewer service during pre- and post-lining inspections, cleaning, lining and manhole rehabilitation.
- Locate, inspect, and raise to grade two (2) sanitary sewer manholes that are currently buried, paved over or otherwise inaccessible.
- Rehabilitate forty-nine (49) sanitary sewer manholes ranging in depth from 4 feet to 20 feet in depth.

Federal Grant Status:

- Construction contract is anticipated to be funded in part from a Water Infrastructure Finance and Innovation Act (WIFIA) loan.

PROCUREMENT INFORMATION

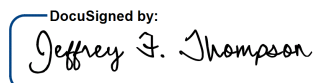
| | | | |
|---------------------------|--------------|-------------------------|---------------------------------------|
| Contract Type: | Fixed Price | Award Based On: | Lowest responsive, responsible bidder |
| Commodity: | Construction | Contract Number: | 230200 |
| Contractor Market: | Open Market | | |

BUDGET INFORMATION

| | | | |
|----------------------|---------|-------------------------|------------------------------------|
| Funding: | Capital | Department: | Engineering and Technical Services |
| Service Area: | Sewer | Department Head: | William Elledge |
| Project: | G5 | | |

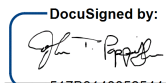
***ESTIMATED USER SHARE INFORMATION**

| User | Share % | Dollar Amount |
|---|----------------|------------------------|
| District of Columbia | 100.00% | \$ 3,362,000.00 |
| 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% | \$ 3,362,000.00 |

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 Jeffrey F. Thompson
 Chief Operating Officer and EVP

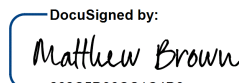
5/3/2024

Date

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 Dan Bae
 VP and Chief Procurement Officer

5/4/2024

Date

DocuSigned by:

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

5/5/2024

Date

 David L. Gadis
 Chief Executive Officer and General Manager

Date

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

ACTION REQUESTED

CONSTRUCTION CONTRACT AMENDMENT 2:

**LEAD FREE DC (LFDC) LEAD SERVICE LINE REPLACEMENT (LSLR) PROGRAM FY23-FY30
BLOCK BY BLOCK CONSTRUCTION
(Non-Joint Use)**

Approval of the budget increase amount not-to-exceed \$250,000,000 for the task order-based Lead-Free DC (LFDC) Lead Service Line Replacement (LSLR) Program. The amendment exceeds the Chief Executive Officer and General Manager's approval authority.

CONTRACT02R/SUB/VENDOR INFORMATION

| | | |
|--|---|--|
| PRIME: See Attachment A for list of PRIME Qualified Contractor Participation | SUBS: Subs will be identified for each task order awarded.* | PARTICIPATION: See Notes Below** |
|--|---|--|

* Eight firms were prequalified to participate on the Lead Free DC (LFDC) Lead Service Line Replacement (LSLR) Program. Each of the Eight demonstrated a history of successfully meeting established goals for DBE/WBE utilization. Additionally, the qualified firms agreed to work with DC Water to actively engage the certified business community and meet/exceed DC Water's business diversity, equity, and inclusion goals established for each task order they are awarded. Six additional firms are being added to the list of pre-qualified firms in this amendment.

** The overall utilization goals for the Master Service Agreement are 32% DBE and 6% WBE, respectively.

DESCRIPTION AND PURPOSE

| | |
|--|---------------------------------|
| Original Program Value, Not-to-Exceed | \$ 130,000,000.00 |
| Value of past Amendments | \$ 70,000,000.00 |
| Value of this Amendment, Not-to-Exceed | \$ 250,000,000.00 |
| Current Program Value, including this Amendment | \$450,000,000.00 |
| Original Program Time: | 1,096 Days (3 years) |
| Time Extension, This Amendment: | 1,767 Days (4 years, 10 Months) |
| Program Start Date (NTP): | 02-28-2023 |
| Program Completion Date: | 12-31-2030 |

Purpose of the Program:

To support DC Water's Lead-Free DC (LFDC) Lead Service Line Replacement (LSLR) Program, which will replace approximately 28,000 lead service lines in the District of Columbia by 2030. This contract will provide construction resources for FY23-FY30 block-by-block lead service line replacements as a component of the LFDC Capital Improvement Program.

- Qualification Program to identify and engage a pool of multiple contractors who are ready and willing to participate and compete for LFDC LSLR projects/work
- Issuance of master service agreements that will allow early engagement with Suppliers for materials planning and constructability/risk mitigation during project planning phase and the opportunity to efficiently compete for LFDC/LSLR projects as task orders.

Original Contract Scope:

- Removal of existing lead, galvanized, and brass water service lines and replacement with new copper service line.
- Installation of Meters (provided by DC Water), Meter Boxes, Frames and Covers. Meter activation will be completed by DC Water staff.
- Installation of Curb Stops and Curb Stop Boxes.
- Private side tie-ins and coordination with homeowners.

- Restoration and/or replacement of asphalt and concrete roadways (i.e., permanent street restoration), brick and concrete sidewalks, landscaped areas, and other miscellaneous repairs that result from block-by-block projects.
- Interior restoration as required.

Previous Amendment Scope

- In accordance with DC Water's June 2023 Lead Free DC Plan, the volume of work needed to complete the LFDC Initiative of replacing all lead service lines for 2030 has recently been more clearly defined. The scope and cost of the program has grown significantly. There is a need to accelerate the work by increasing the number and size of construction contracts to meet the yearly replacement goals.
- The amendment of \$70,000,000 will expand the contract capacity of the Master Service Agreement while maintaining the 3-year timeline.

Current Amendment Scope

- In accordance with DC Water's June 2023 Lead Free DC Plan, the volume of work needed to complete the LFDC Initiative of replacing approximately 28,000 lead service lines for 2030 have recently been more clearly defined and coordinated with the 10-year Capital Improvement Plan. The scope and cost of the program has grown significantly. There is a need to accelerate the work by increasing the number and size of construction contracts to meet the yearly replacement goals.
- The budget increase of \$250,000,000 will expand the contract capacity of the Master Service Agreement and extend the timeline to December 31, 2030.

Federal Grant Status:

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

PROCUREMENT INFORMATION

| | | | |
|---------------------------|---------------------------|-------------------------|---------------------------------------|
| Contract Type: | Unit Price | Award Based On: | Lowest responsive, Responsible Bidder |
| Commodity: | Construction | Contract Number: | 230030 |
| Contractor Market: | Pre-Qualified Contractors | | |

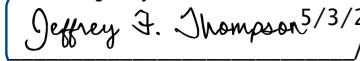
BUDGET INFORMATION

| | | | |
|----------------------|---------|-------------------------|------------------------------------|
| Funding: | Capital | Department: | Engineering and Technical Services |
| Service Area: | Water | Department Head: | William Elledge |
| Project: | ST | | |


ESTIMATED USER SHARE INFORMATION

| User | Share % | Dollar Amount |
|---|----------------|--------------------------|
| District of Columbia | 83.10% | \$207,750,000.00 |
| Federal Funds | 16.90% | \$ 42,250,000.00 |
| 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% | \$ 250,000,000.00 |


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 Jeffrey F. Thompson Date
 Chief Operating Officer and EVP

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

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 5/4/2024
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 Dan Bae Date
 VP and Chief Procurement Officer

 David L. Gadis Date
 Chief Executive Officer and General Manager

CONSTRUCTION CONTRACT AMENDMENT 2:**Lead Free DC (LFDC) Lead Service Line Replacement (LSLR) Program**

| <u>Original Contractors</u> | <u>New Contractors (6 Added)</u> |
|---|---|
| Anchor Construction Co Inc. 2254 25th Place NE Washington, DC 20018 | Allan Myers VA, Inc. 301 Concourse Boulevard, Suite 300 Glen-Allen, VA 23059 |
| Capitol Paving of DC Inc. 2211 Channing Street, N.E. Washington, DC 20018 | Capital AECON JV 20 Carlson Court, Suite 105 Toronto, Ontario, Canada M9W 7K6 |
| Capital Premier Construction, LLC (DBE) 650 Massachusetts, NW Washington, DC 20018 | Murphy Pipeline Contractors 12235 New Berlin Road Jacksonville, FL 32226 |
| Fort Myer Construction Corporation 2237 33rd Street, Northeast Washington, DC 20018 | Roman E&G Corp. 14 Ogden Street Newark, NJ 07104 |
| National Services Contractors (DBE) 2007 MLK Jr Ave, SE Washington, DC 20020 | Sagres Construction Corp. 3680-Wheeler Avenue Alexandria, VA 22304 |
| North Arrow Inc (DBE) 820 First St, NE, Suite LL 170, Washington, DC 20002 | Old Line Construction Inc. 2972 Penwick Lane, Suite 201 Dunkirk, MD 20754 |
| Spiniello Companies 3500 East Biddle Street Baltimore, MD 21213 | |
| The Ford Design Group (DBE) 111 N Orange Avenue, Suite 860 Orlando, FL, 32801 | |