



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

Meeting of the  
Environmental Quality and Operations Committee

**Thursday, February 15, 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    | <b>Call to Order</b>  | Sarah Motsch, Chair             |
|            | II   | <b>Roll Call</b>  | Michelle Rhodd, Board Secretary |
| 9:35 a.m.  | III  | <a href="#">BPAWTP Performance Update</a>   | Nicholas Passarelli             |
| 9:40 a.m.  | IV   | <a href="#">Fire Hydrants Update</a>  | Sylvia Okogi                    |
| 9:45 a.m.  | V    | <a href="#">Water Quality Monitoring</a>  | Maureen Schmelling              |
| 9:50 a.m.  | VI   | <a href="#">CIP Quarterly Update</a>  | David Parker and Paul Guttridge |
| 10:10 a.m. | VII  | <a href="#">Proposed FY2024 – FY2033 Capital Improvement Program</a>  | Matthew Brown                   |
|            |      | 1. <b>Action Item (Joint Use):</b> Recommendation for Approval<br>FY 2023 – FY 2033 – Proposed Capital Improvement Program<br>(10-Year Disbursement Plan and Lifetime Budget) |                                 |
| 10:30 a.m. | VIII | <b>Action Items (Non-Joint Use)</b>   |                                 |
|            |      | 1. <a href="#">Contract No. N/A - Metro Branch Trail from Piney Branch Road NW to Blair Rd NW – District of Department of Transportation</a>                                  |                                 |
|            |      | 2. <a href="#">Contract No. 200030 – Small Diameter Water Main Replacement-16A – Capitol Paving of D.C., Inc</a>  |                                 |
| 10:50 a.m. | IX   | <b>Other Business/Emerging Issues</b>   |                                 |
| 10:55 a.m. | X    | <b>Executive Session*</b>   |                                 |
| 11:00 a.m. | XI   | <b>Adjournment</b>  | Sarah Motsch                    |

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

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

1. 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 February.**
2. David Parker (Vice President, Engineering): Provide a chart mid-year of analysis to explain why DCW projections are never quite right and where we see the risk of them not being quite right. The analysis should further explain what is causing the errors in projection and how we can get a better handle on where we think the projections can potentially go with a risk of them not being exact. Information that should be included is listed below:
  - a. Certainty and risks on each set of projections
  - b. Analysis of differences of the following and the certainty of each moving forward
    - i. What we thought FY25 was going to cost last year
    - ii. What we think FY25 is going to cost now
  - c. Analysis of what categories DCW is certain are vs. what categories DCW isn't certain of
  - d. Analysis of
    - i. Where DCW thought we'd be
    - ii. Where DCW is now
    - iii. A look at outyears to show which categories are affected by these potential risks
      1. Show how certain or uncertain
        - a. Include historical analysis of how certain DCW has been in the past

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



# ***BPAWTP UPDATE***



# Blue Plains Complete Treatment Performance

Environmental Quality & Operations Committee  
February 15, 2024

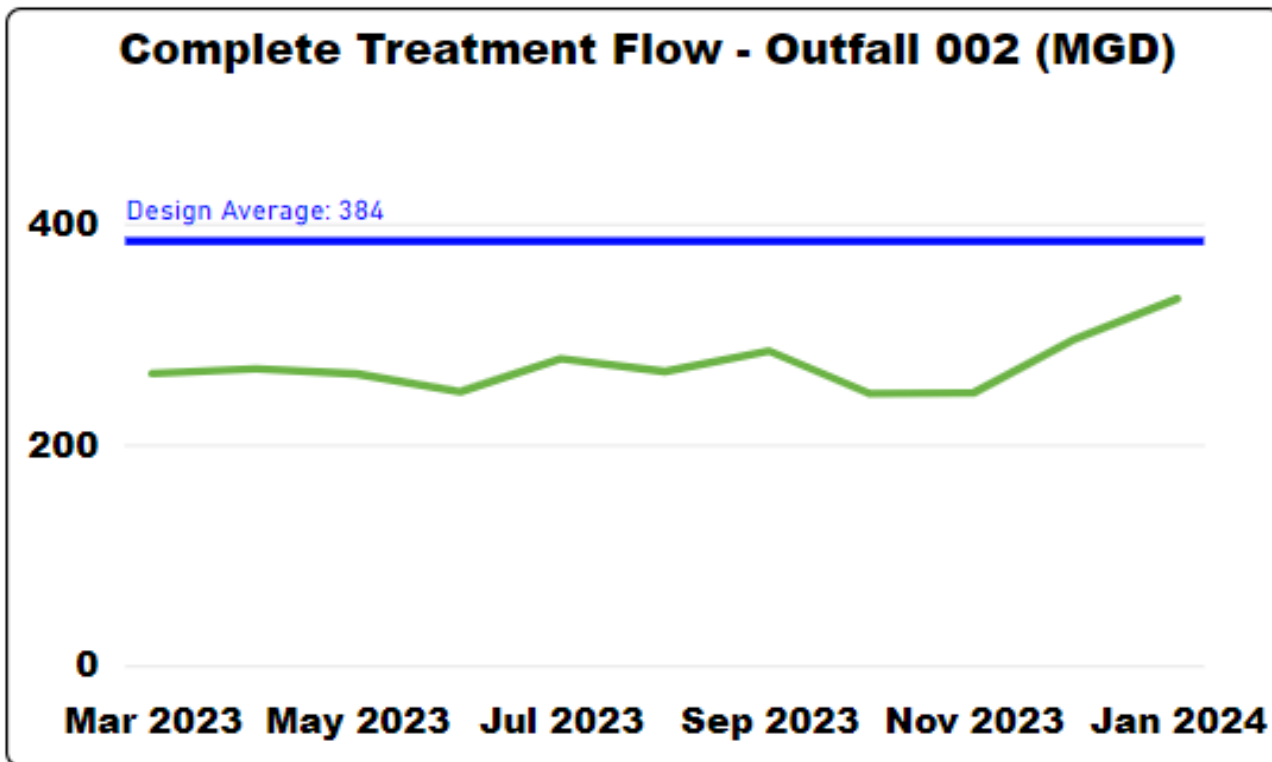


Nicholas Passarelli, Vice President , Wastewater Treatment Operations



## Operational Performance Complete Treatment

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



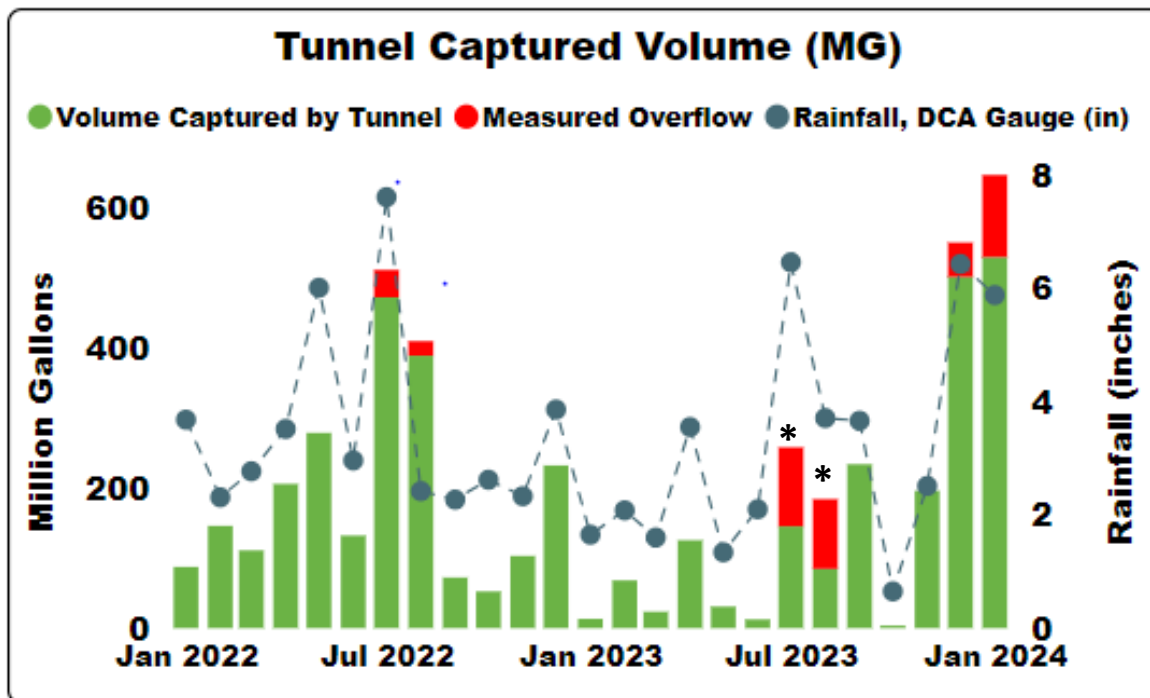
All weekly and monthly  
NPDES permit requirements  
were met

Average Outfall 002 flow for  
Jan: 332 MGD



# Operational Performance Tunnel Systems and Wet Weather Treatment

## Anacostia River Tunnel System Annual Performance 2022 – 2024 (Through Jan 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

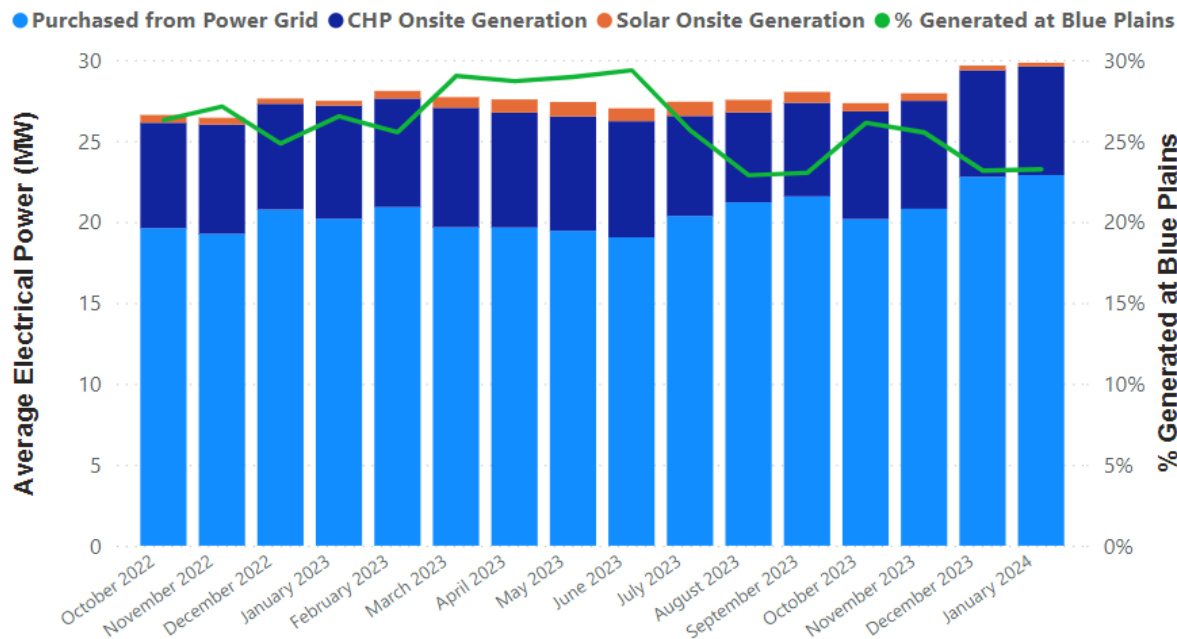
\* - CSO 019 diversion to tunnel was out of service July 5 - Aug 29 for commissioning of Northeast Boundary Tunnel, causing temporary increase in overflows. Necessary for safety of workers in tunnel. EPA/DOEE advised in advance.



# Operational Performance Electrical Energy Use and Generation

## Blue Plains Electrical Energy Use and Generation

Blue Plains Electrical Report



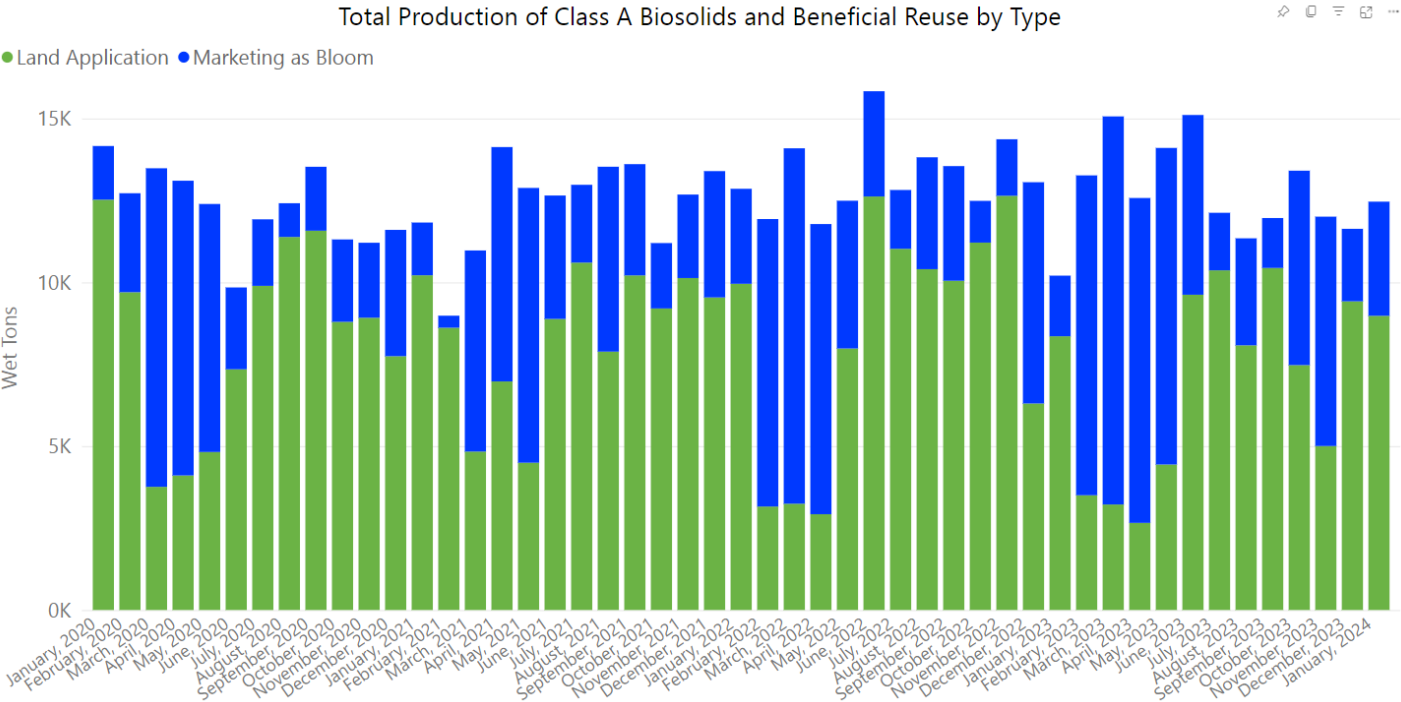
- 23% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 8.0 megawatts (MW), with 6.7 MW net to Blue Plains grid
- Solar System produced an additional 0.24 MW of power on average
- Total electricity consumption at Blue Plains averaged 29.8 MW
- DC Water purchased an average of 22.9 MW of electricity from PEPSCO



# Operational Performance

## Class A Biosolids Production

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



In January, Blue Drop sold approximately 3,483 tons of Bloom; for a total of 18,630 tons towards the FY24 goal of 65,000 tons.

Blue Plains Produced 12,462 tons of biosolids for the month with the remaining 8,979 tons managed through land application contracts.





# *Fire Hydrant Update*



## Fire Hydrant Update

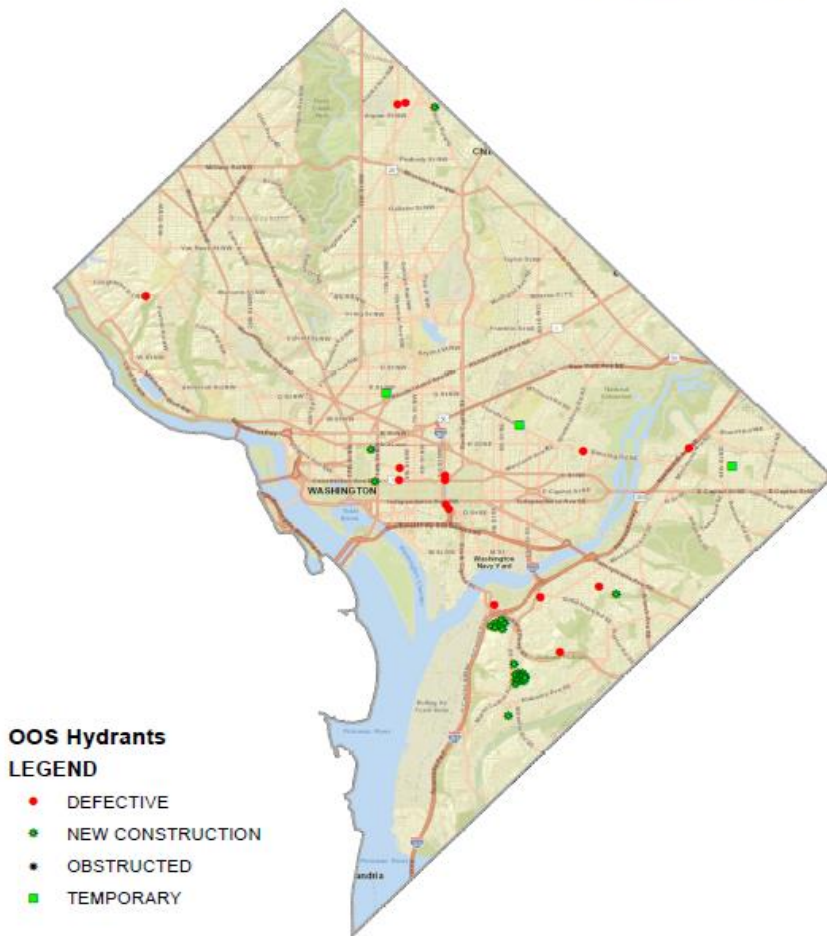
Environmental Quality & Operations Committee  
February 15, 2024



Sylvia Okogi, Acting Senior Manager, Water Operations

## Map of Public Out-of-Service Hydrants

February 01, 2024



Prepared By: Distribution Control Branch

### Status Report of Public Fire Hydrants for DC Water Services Committee - February 1, 2024

|   | November<br>Cmte. Report<br>(November 2, 2023) | December<br>Cmte. Report<br>(December 1, 2023) | January<br>Cmte. Report<br>(January 5, 2024) | February<br>Cmte. Report<br>(February 1, 2024) |
|---|--|--|--|--|
| Public Fire Hydrants:   | 9,837  | 9,839  | 9,840  | 9,840  |
| In Service:   | 9,799  | 9,796  | 9,802  | 9,796  |
| Marked Out-of-Service (OOS)   | 38   | 43   | 38   | 44   |
| OOS - defective requiring repair/replacement                            | 14   | 15   | 11   | 15   |
| % OOS requiring repair or replacement (DC Water goal is 1% or less OOS) | 0.14%  | 0.15%  | 0.11%  | 0.15%  |
| OOS - due to inaccessibility or temp construction work                  | 24   | 28   | 27   | 29   |

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 February 1, 2024 44

| Breakdown of Defective   | 0-7<br>Days | 8-14<br>Days | 15-30<br>Days | 31-60<br>Days | 61-90<br>Days | 91-120<br>Days | > 120<br>Days | Total     |
|--|-------------|--------------|---------------|---------------|---------------|----------------|---------------|-----------|
| Hydrant Needs Repair/Investigation   | 3           | 0            | 0             | 0             | 0             | 0              | 0             | 3         |
| 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             | 1**           | 1**           | 0              | 9**           | 12        |
| <b>Defective</b>   |             |              |               |               |               |                |               | <b>15</b> |

| Breakdown of Others  | 0-7<br>Days | 8-14<br>Days | 15-30<br>Days | 31-60<br>Days | 61-90<br>Days | 91-120<br>Days | > 120<br>Days | Total     |
|--|-------------|--------------|---------------|---------------|---------------|----------------|---------------|-----------|
| Temporarily OOS as part of operations such as a main repair                  | 1           | 1            | 0             | 0             | 1             | 0              | 0             | 3         |
| Construction* - OOS  | 0           | 0            | 0             | 0             | 2             | 10             | 14            | 26        |
| Obstructed Hydrant - OOS hydrant due to operation impeded by an obstruction. | 0           | 0            | 0             | 0             | 0             | 0              | 0             | 0         |
| <b>Others</b>  |             |              |               |               |               |                |               | <b>29</b> |

\*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

February 15, 2024



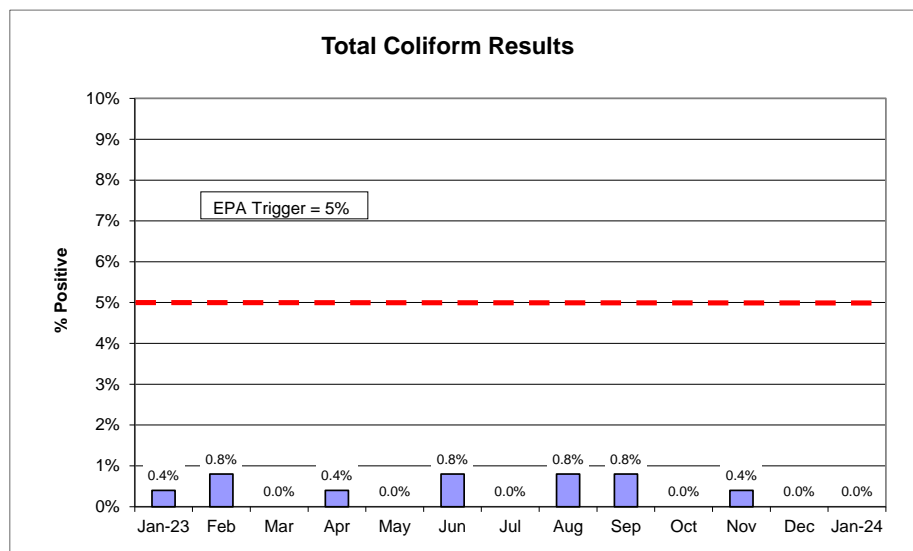
Maureen Schmelling, Director, Water Quality





# Drinking Water Quality Update

## Total Coliform Rule



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

## Lead and Copper Rule

| July-December 2023                                   | 1 <sup>st</sup> Draw | 2 <sup>nd</sup> Draw |
|--|----------------------|----------------------|
| 90 <sup>th</sup> Percentile, parts per billion (ppb) | 2.0                  | 4.7                  |
| Number of samples                                    | 107                  | 106                  |
| Number of samples > 15 ppb                           | 0                    | 0                    |

• 1<sup>st</sup> draw is a one-liter sample collected after minimum six hours of stagnation (no-water use period)

• 2<sup>nd</sup> draw is a one-liter sample collected after the 1<sup>st</sup> draw and filling and dumping three liters, resulting in between the 5<sup>th</sup> to 6<sup>th</sup> liter of water which is water that stagnated in the service line.

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



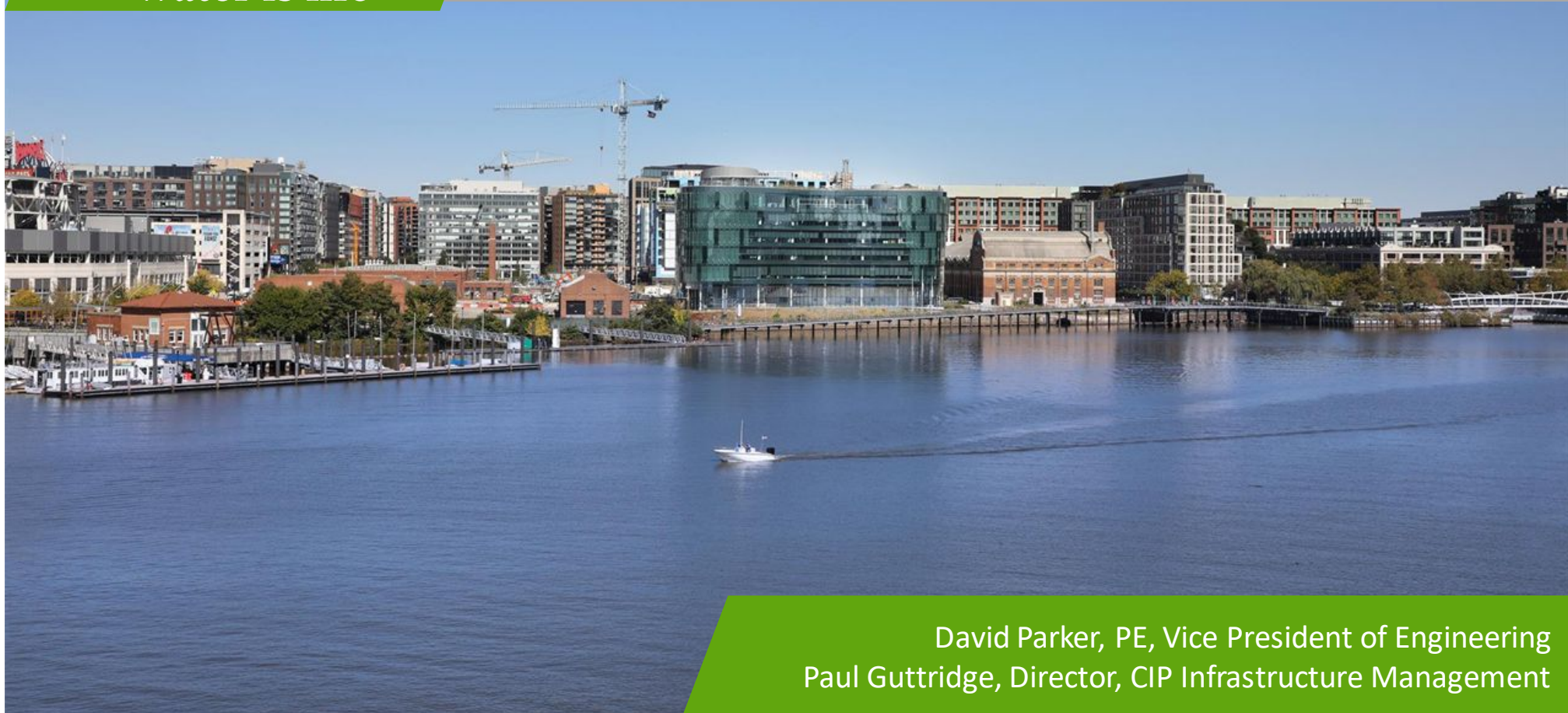
# *CIP Quarterly Update*



# CIP Quarterly Update

## Environmental Quality & Operations Committee

February 15, 2024



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





## Agenda

- FY24 CIP Quarter 1 Budget & KPI Update
- Report on FY24 Quarter 1 CIP Progress by Service Area
  - Non-Process
  - DC Clean Rivers (DCCR)
  - Blue Plains
  - Sewer
  - Water
  - Lead Free DC (LFDC)



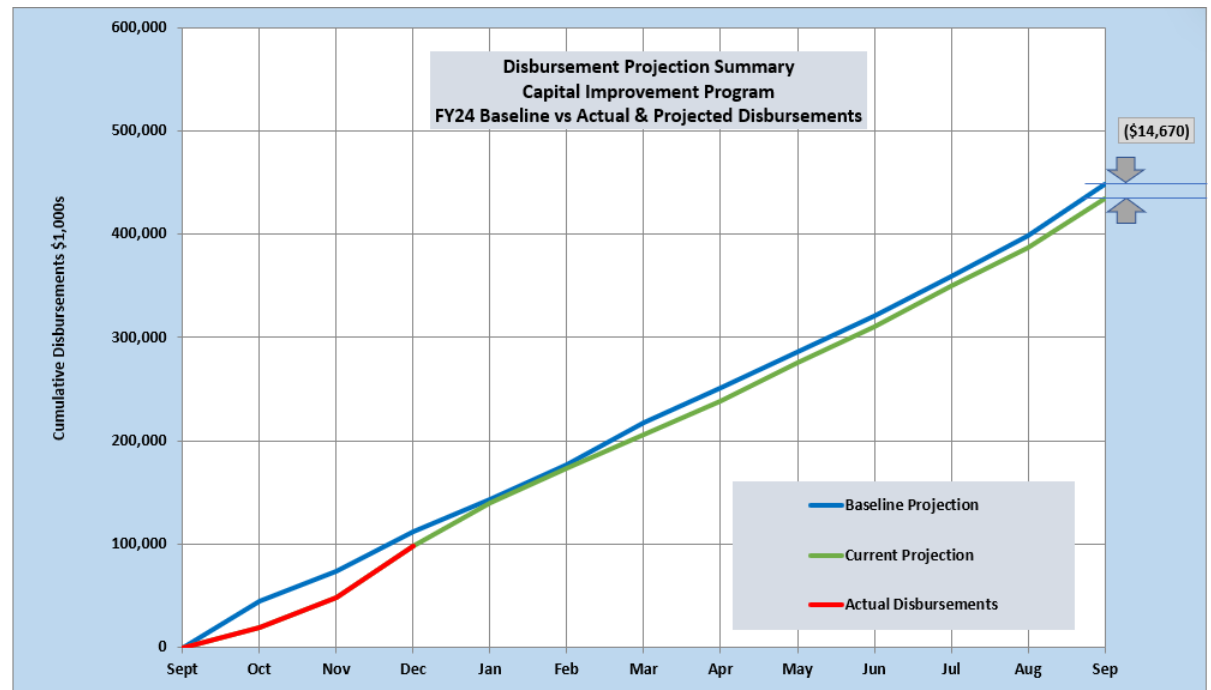
# CIP Quarterly Update

## 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 fiscal year 2024 thru Quarter 1 CIP disbursements were **\$98M** through the end of the first Quarter

### Schedule Key Performance Indicators

|    | Performance                                |
|----|--|
| 36 | Total KPIs due this year                   |
| 3  | KPIs completed within threshold            |
| 3  | KPIs forecast outside threshold (>90 days) |





# Non-Process Facilities

## FY2024 Progress

### Planning

- a. Roofing Assessments
- b. HVAC Assessments
- c. Bryant St and Main PS Upgrades, Ames PI Expansion, HQO Terrace Improvement
- d. Anacostia PS & Bryant St PS Parking Modification

### Procurement

These projects are ready for procurement:

- a. Floatable Debris Dock Renovation
- b. Floatable Debris Office Building
- c. Fort Reno Watchman's Lodge & Abandoned Pump Station

### Construction

These projects are under permit review:

- a. Blue Plains SB-1 Warehouse Reno
- b. North Canal Street Fence

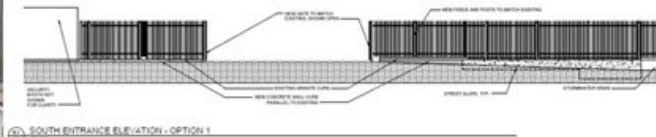
## Fort Reno Renovation



## Blue Plains SB-1 Warehouse Renovation



## North Canal Fence





## DC Clean Rivers

### Projects in Planning:

#### **RC-T - Piney Branch Tunnel**

NEPA compliance underway – Construction Start May 2026

### Projects in Design:

#### **RC-C - Rock Creek Green Infrastructure Project C**

25 acres – Construction start March 2025

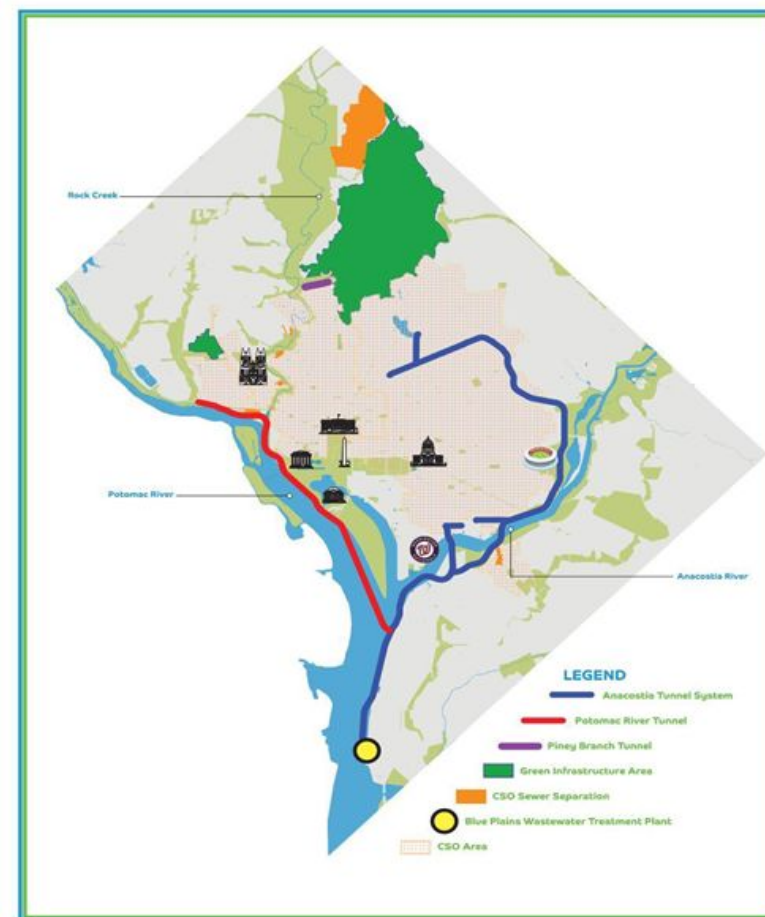
### Projects in Construction:

#### **J - Northeast Boundary Tunnel** (\$580M 99% complete)

Placed in operation ahead of consent decree

#### **PRT-B - Potomac River Tunnel** (\$819M 3% complete)

Mobilization and Design underway





# Blue Plains Advanced Wastewater Treatment Plant

## FY2024 Progress

### Planning

- Over **20** Tasks including planning studies at various stages of completion
- Flood Wall Sections A,B&D – On hold for FEMA Grant issuance
- Electrical Improvements and Microgrid Roadmap Study

### Design

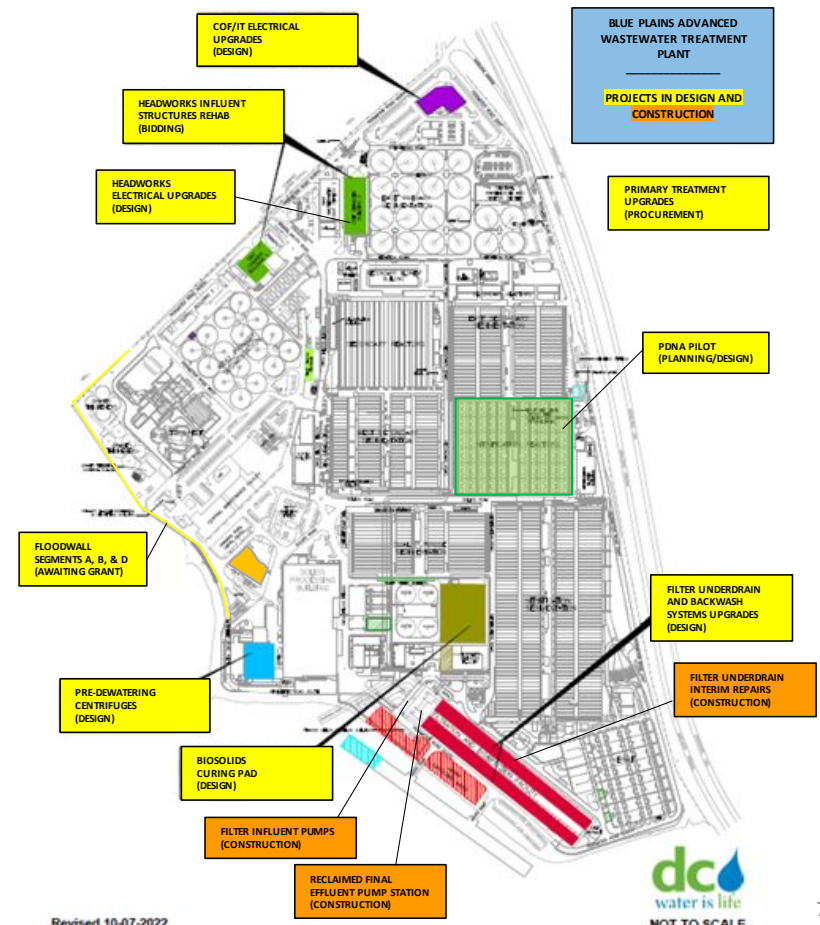
- **9 projects under design** with total construction value of \$160M
- PdNA Pilot design complete, preparing to bid construction task order
- Filter Underdrain and Backwash System Upgrades design underway
- Headworks Electrical Upgrades at Pre-final design

### Procurement

- 20 Yr Primary Upgrades – design/CMAR – May NTP
- Renewable Natural Gas – negotiating design and construction
- Headworks Structural Upgrades - Construction bid received
- Biosolids curing pad and Solar PV – construction procurement
- Solar Phase 2 in procurement

### Construction

- Reclaimed Final Effluent Pump System ongoing
- Interim Filter Underdrain Repairs – 8 filter cells to be completed FY24
- MFU 8 tasks - Pump Station 10, DAF Skimmer Replacement, Digester Roof Liner Replacement







## CSS, Sanitary, Stormwater Linear

### FY2024 Progress

#### Planning

- Emergency design to repair defect found in East West Outfall Relief Sewers.
- Emergency cleaning and design of Anacostia Main Interceptor
- Facilities Plan Update for linear assets is near completion.
- Planning multiple projects along Potomac Interceptor

#### Design

- Procuring design firm for Glover Park Sewer collaborative delivery
- Designing 4 cured-in-place pipe (CIPP) projects throughout District
- Designing multiple projects along Potomac Interceptor

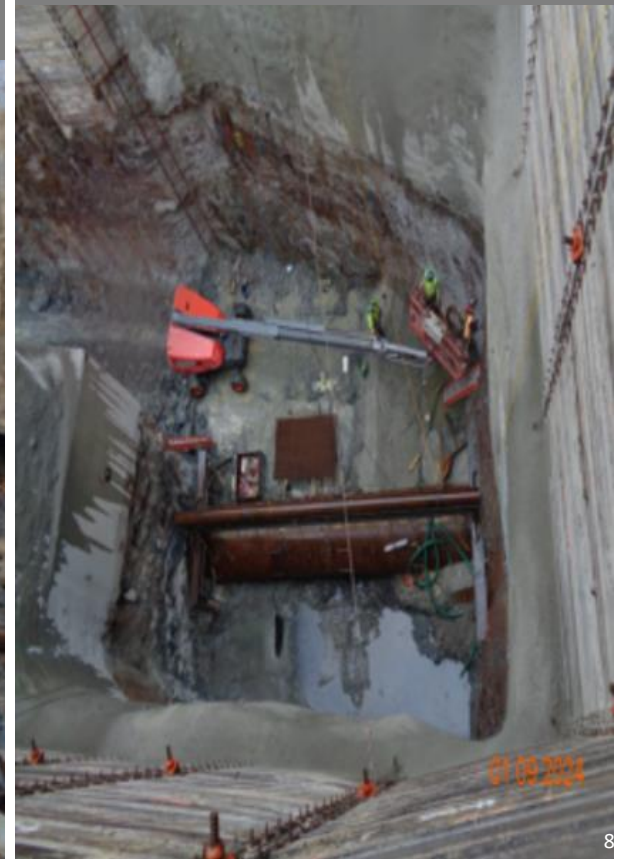
#### Construction

- MH31-30 Rehabilitation 60% complete
- Soapstone Valley Park Sewer Rehabilitation: 85% complete
- Started construction on Piney Branch Trunk Sewer Rehab and Northeast Boundary Trunk Sewer

### New MH31 Energy Dissipator



### MH31 Support of Excavation





## CSS, Sanitary, Stormwater Linear

### Anacostia Main Interceptor Emergency Repair

- Collapse week of December 18, 2023
- Last inspected between August 2022 and February 2023
- **Phase 1:**
  - Bypass pumping
  - Installation of trench box
  - Temporary repair of the collapsed pipe.
- **Phase 2:**
  - Cleaning contractor is mobilizing.
  - Lining of the pipe from MH 460 to MH-103 (~1,460 lf)





## Water Linear

### FY2024 Progress

#### Planning

- Concept Design of five projects
- Six projects transitioned to design.

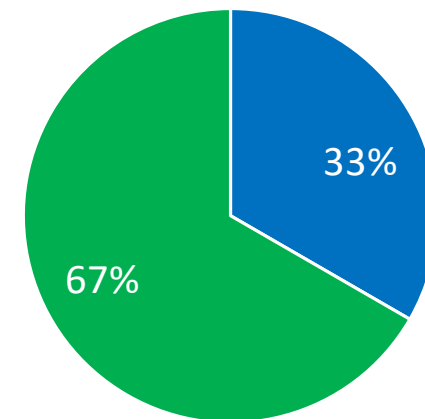
#### Design

- Completed bid documents for Small Diameter Water Main (16C)
- CFR/NEPA for 8 projects ongoing
- Six projects in design (pre-final)

#### Construction

- Completed approx. 3.5 miles of SDWM compared to current budget plan of 11 miles
- Six contracts in active construction

### Small Diameter Watermain Replacement (miles) Annual Plan



■ % Achieved ■ % Remaining





## Lead Free DC Program

### FY2024 Progress

Completed 5,000th replacement (since Oct 1, 2019), with 492 replacements completed in FY24 Q1.

Construction Packages 15 & 16 were bid in Dec 2023 and awarded in Jan 2024

Co-Hosted 2 workshops: Ward 8 with Black Millennials for Flint (BM4F) and a local AWWA on Lead Removal and Procurement

Supported EPA event "Get the Lead Out - GLO" with homeowner testimonials on LFDC

Re-established District Funding (\$2.8M+) for the Lead Pipe Replacement Assistance Program (LPRAP) completed 110+ private side replacements.

Continued Canvassing Efforts for pkgs 5-16 and Presented at 6 ANC Meetings in Wards 3, 6, and 8.



DOES Canvassers with DC Resident



# Impacts of Lead Free DC on CIP

## Lead & Copper Rule Improvements

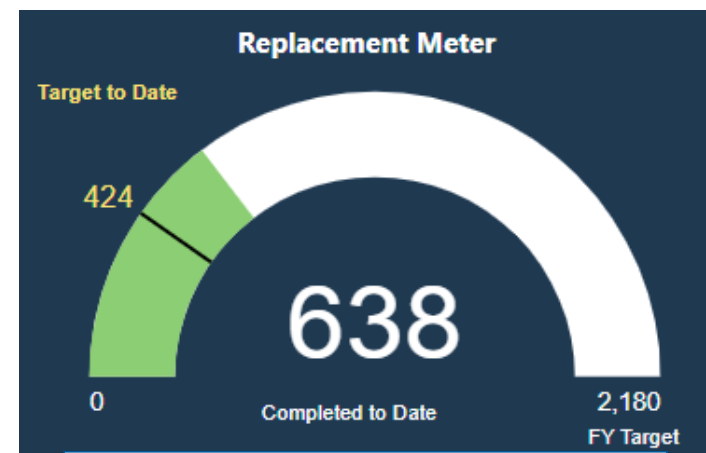
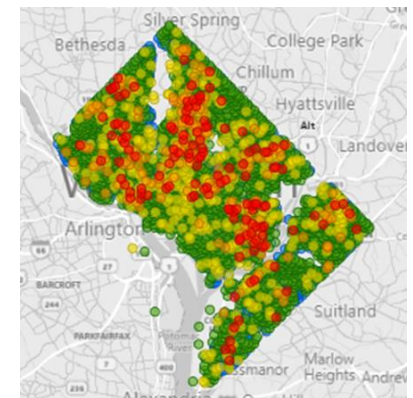
- DC Water is largely ahead of the curve on proposed requirements from EPA
  - Achieve 100% removal of pipe
  - Locate and identify legacy services
  - Improve tap sampling
  - Lower lead action level
  - Strengthen protections to reduce exposure
- DCW will accelerate identification on unknowns

### Water Service Information

#### Premise Material Status

#### Display Category

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



LSLR's Oct 1, 2023 thru Feb 7, 2024



# ***Proposed FY2024 – FY2033 Capital Improvement Program***





# Proposed FY2024 – FY2033 Capital Improvement Program

## Environmental Quality & Operations Committee

February 15, 2024





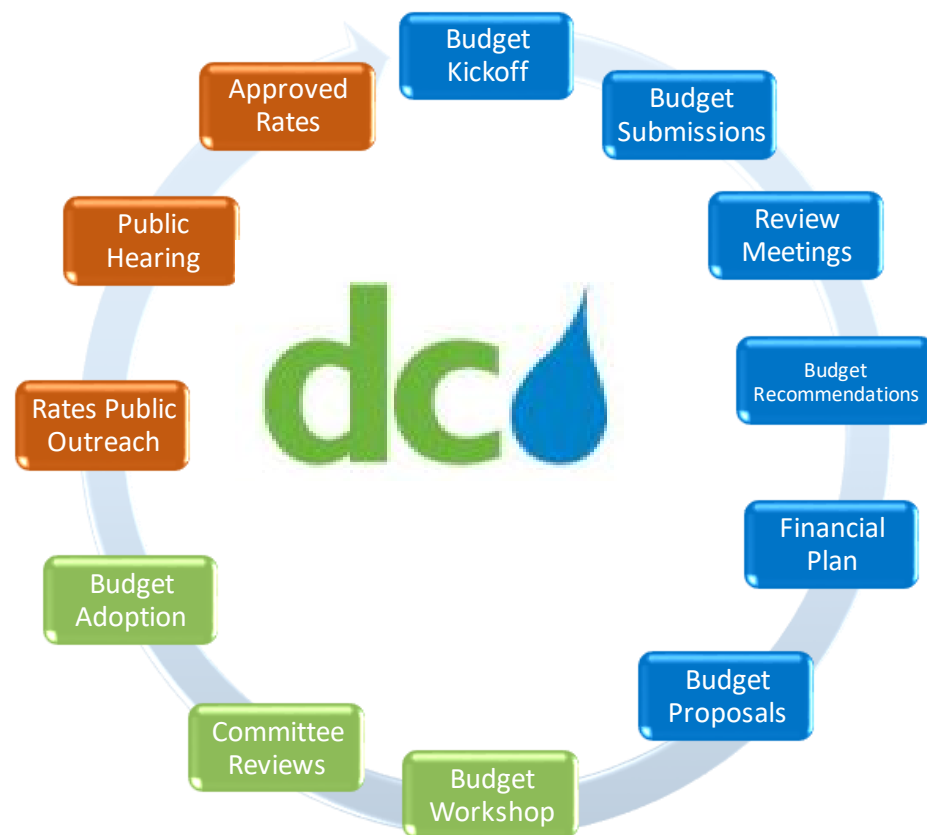
## Purpose

- Review the management's budget proposal
- Obtain committee's recommendation to the Board on the following:
  - Proposed FY 2024 – FY 2033 Capital Improvement Program (disbursements and lifetime), including amendments to the FY 2024 Capital Disbursements budget



# The Budget Process

- **Preparation** of Proposed Budget ✓
- Board review of proposals
  - Two months of detailed review by Finance and Budget, Environmental Quality and Operations, and Retail Rates Committees
- Customer **Briefings** and **Feedback**
  - Wholesale Customer Briefing ✓
  - Office of People's Counsel Budget Briefing ✓
  - Town Halls
- Board **Budget Adoption** on March 7, 2024
- **Public Hearing** on May 9, 2024
- **Board adoption** of rates on July 3, 2024
- Fiscal year begins on October 1, 2024





# Budget & Rates Adoption Calendar

| Timeline  | Activity   | Status |
|---|--|--------|
| January 4   | Budget Workshop with Board of Directors                            | ✓      |
| January 12  | Wholesale Customer Briefing  | ✓      |
| January 19  | Office of People's Counsel Briefing                                | ✓      |
| <b>Committee Discussions &amp; Reviews</b>              |  |        |
| January 18  | Environmental Quality & Operations                                 | ✓      |
| January 23  | Joint DC Retail Water & Sewer Rates and Finance & Budget Committee | ✓      |
| February 1  | Board Meeting (No Board Action Required)                           |        |
| <b>Committee Reviews, Recommendations &amp; Actions</b> |  |        |
| February 15   | Environmental Quality & Operations                                 |        |
| February 22   | Finance & Budget   |        |
| February 27   | DC Retail Water & Sewer Rates                                      |        |
| <b>March 7</b>  | <b>Board Adoption of Budgets</b>                                   |        |
| April   | Submit Budget via the District to U.S. Congress                    |        |
| April – June  | Rates Public Outreach & Town Halls & Public Hearing on May 9       |        |
| <b>July 3</b>   | <b>Board Adoption of Rates</b>                                     |        |
| October 1   | Fiscal Year 2025 Begins  |        |



## DC Water's Budget

- The Board of Directors has the sole authority to adopt DC Water's budget
- When DC Council established DC Water, they emphasized the importance of need for independent financial control in DC Code § 34–2201.01:
  - **(3)** The **financing requirements** for water distribution and sewage collection, treatment, and disposal systems, including the ability to fund capital programs without undue reliance on the general obligation credit of the District, are substantial and **require financial resources independent of other District funds**
  - **(4)** Creation of an **independent authority** with secure funding **separated** from the District's General Fund to oversee water and sewer operations for the District and surrounding jurisdictions will **enhance the financial viability of water distribution and sewage collection, treatment, and disposal systems in the District and enhance the District's ability to meet its statutory obligation to provide sanitary sewer services to the surrounding jurisdictions**
  - **(7)** It is in the **best interest** of the District, its citizens, and the surrounding jurisdictions that the Council establish an **independent water and sewer authority** to achieve the following goals and objectives
    - **(B)** To expedite the repair, replacement, rehabilitation, modernization, and extension of existing water distribution and sewage collection, treatment, and disposal systems **including the financing, on a self-sustaining basis, of capital and operating expenses** relating thereto





## DC Water's Budget

- DC Council and the U.S. Congress enacted legal requirements for DC Water's budget:
  - **7 affirmative [Board member] votes shall be required for approval of the Authority's budget.** See D.C. Law11-111; D.C. Code § 34-2202.04(b)(4)(j)
  - The District of Columbia Water and Sewer Authority established pursuant to Chapter 22 of Title 34 shall prepare and annually submit to the Mayor, for inclusion in the annual budget, annual estimates of the expenditures and appropriations necessary for the operation of the Authority for the year. All such estimates shall be forwarded by the Mayor to the Council for its action pursuant to §§ 1-204.46 and 1-206.03(c), **without revision but subject to his recommendations.** Notwithstanding any other provision of this chapter, the **Council may comment or make recommendations** concerning such annual estimates but **shall have no authority under this chapter to revise such estimates.** See Pub. L. 104-184, § 4(a); D.C. Code § 1-204.45a(a)



## Management's Recommendation: Ten-Year CIP

- The **proposed ten-year CIP budget of \$7.74B** includes annual spending estimates for capital construction, capital equipment and DC Water's share of the Aqueduct's capital projects
  - This is a \$792M increase over the Board-approved CIP for the ten-year period
- The **proposed lifetime budget is \$16.1B** and covers total commitments, including labor, for active projects prior to, during, and beyond the ten-year window

| Cash Disbursements (\$ in thousands) | FY 2024 - FY 2033 Disbursement Plan |                   |                   |                   |                   |                     |                   |                   |                   |                   |                     | Last Years          | (Increase)/         | Lifetime             |
|--------------------------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|---------------------|-------------------|-------------------|-------------------|-------------------|---------------------|---------------------|---------------------|----------------------|
|                                      | FY 2024                             | FY 2025           | FY 2026           | FY 2027           | FY 2028           | FY 2029             | FY 2030           | FY 2031           | FY 2032           | FY 2033           | 10-yr Total         | 10-yr               | Decrease            | Budget               |
| NON PROCESS FACILITIES               | \$ 13,074                           | \$ 19,900         | \$ 25,190         | \$ 27,461         | \$ 17,775         | \$ 35,413           | \$ 23,100         | \$ 13,283         | \$ 14,977         | \$ 7,345          | \$ 197,518          | \$ 141,246          | \$ (56,272)         | \$ 362,044           |
| WASTEWATER TREATMENT                 | 65,150                              | 103,291           | 133,487           | 146,143           | 164,601           | 194,637             | 185,233           | 174,807           | 91,587            | 74,666            | 1,333,603           | 1,180,881           | (152,722)           | 3,348,779            |
| COMBINED SEWER OVERFLOW              | 123,793                             | 213,408           | 231,323           | 216,615           | 193,750           | 154,800             | 92,363            | 4,041             | -                 | -                 | 1,230,093           | 1,062,875           | (167,218)           | 3,430,748            |
| STORMWATER                           | 7,293                               | 13,565            | 7,958             | 3,804             | 4,532             | 3,268               | 6,697             | 9,432             | 6,772             | 5,231             | 68,551              | 72,241              | 3,690               | 157,075              |
| SANITARY SEWER                       | 80,599                              | 92,235            | 123,854           | 118,639           | 169,037           | 287,816             | 249,471           | 227,771           | 269,312           | 236,846           | 1,855,580           | 1,796,116           | (59,464)            | 2,897,505            |
| WATER                                | 158,736                             | 222,494           | 252,395           | 250,278           | 266,256           | 268,591             | 279,184           | 207,235           | 219,880           | 227,979           | 2,353,028           | 2,011,801           | (341,227)           | 4,738,104            |
| <b>CAPITAL PROJECTS</b>              | <b>\$ 448,646</b>                   | <b>\$ 664,893</b> | <b>\$ 774,206</b> | <b>\$ 762,940</b> | <b>\$ 815,951</b> | <b>\$ 944,526</b>   | <b>\$ 836,048</b> | <b>\$ 636,568</b> | <b>\$ 602,528</b> | <b>\$ 552,067</b> | <b>\$ 7,038,373</b> | <b>\$ 6,265,159</b> | <b>\$ (773,214)</b> | <b>\$ 14,934,255</b> |
| CAPITAL EQUIPMENT                    | 30,535                              | 31,477            | 31,839            | 30,523            | 37,169            | 37,169              | 37,169            | 37,169            | 37,169            | 37,169            | 347,390             | 347,390             | -                   | 347,390              |
| WASHINGTON AQUEDUCT                  | 35,546                              | 35,770            | 35,770            | 35,770            | 35,770            | 35,770              | 35,770            | 35,770            | 35,770            | 35,770            | 357,472             | 338,518             | (18,954)            | 357,472              |
| <b>ADDITIONAL CAPITAL PROJECTS</b>   | <b>\$ 66,081</b>                    | <b>\$ 67,246</b>  | <b>\$ 67,609</b>  | <b>\$ 66,293</b>  | <b>\$ 72,939</b>  | <b>\$ 72,939</b>    | <b>\$ 72,939</b>  | <b>\$ 72,939</b>  | <b>\$ 72,939</b>  | <b>\$ 72,939</b>  | <b>\$ 704,863</b>   | <b>\$ 685,908</b>   | <b>\$ (18,954)</b>  | <b>\$ 704,863</b>    |
| LABOR                                |                                     |                   |                   |                   |                   |                     |                   |                   |                   |                   |                     |                     |                     | \$443,166            |
| <b>TOTAL CAPITAL BUDGETS</b>         | <b>\$ 514,727</b>                   | <b>\$ 732,139</b> | <b>\$ 841,815</b> | <b>\$ 829,232</b> | <b>\$ 888,890</b> | <b>\$ 1,017,465</b> | <b>\$ 908,987</b> | <b>\$ 709,507</b> | <b>\$ 675,467</b> | <b>\$ 625,006</b> | <b>\$ 7,743,235</b> | <b>\$ 6,951,067</b> | <b>\$ (792,168)</b> | <b>\$ 16,082,284</b> |
| Prior Year Board Approved CIP        | \$ 604,671                          | \$ 784,064        | \$ 838,249        | \$ 859,188        | \$ 892,646        | \$ 841,454          | \$ 677,036        | \$ 507,647        | \$ 444,676        | \$ -              | \$ 6,951,067        |                     |                     |                      |
| Delta (inc)/dec                      | \$89,944                            | \$51,925          | (\$3,566)         | \$29,955          | \$3,756           | (\$176,011)         | (\$231,951)       | (\$201,860)       | (\$230,791)       | (\$625,006)       | (\$792,168)         |                     |                     |                      |

# DC Water Budget Overview FY2024-2033 Proposed Capital Investments of \$7.7 billion



Fully Funds  
DC Clean Rivers  
projects to meet  
Consent Decree  
requirements



**\$347 million**

Invests in process  
equipment, specialized  
vehicles, and information  
technology infrastructure

Invests in the  
Aqueduct's  
capital  
infrastructure



**\$197 million**



Renovates Non-Process Facilities  
including the Historic Main Pump  
Station, Bryant Street Pump  
Station, non-process buildings  
at Blue Plains, laboratory  
upgrades, and solar  
installations



**\$732M**

To continue lead  
service line  
replacements

Continues investment in  
Water & Sewer infrastructure



**\$1.62 billion**

Ramps up to 1.5%  
replacement for small  
diameter water mains  
per year



**\$1.92 billion**

Ramps up to 1%  
rehabilitation for  
small/local sewer  
lines per year



Improves  
stormwater  
pump stations  
to relieve local  
flooding

**\$1.33 billion**

Funds rehabilitation and  
upgrades at Blue Plains





## Action Item: Proposed CIP Budget

### **ACTION ITEM: FY 2024 – FY 2033 Proposed Capital Improvement Program (Ten-Year Disbursement Plan and Lifetime Budget)**

DC Water presents its capital improvement program on two different bases:

- a. **Ten-Year Disbursement Plan** – The cash disbursement-based capital plan is utilized to forecast the timing and amount of capital financing, which is the primary basis for projected retail rate increases.
- b. **Lifetime Budget** – The project lifetime budget reflects the total costs of each project active during the ten-year planning period. These costs include historical and projected spending, project contingencies, and labor (listed as a separate line item).

As shown in Attachment A-1, the Board of Directors will be asked to approve the following:

1. **FY 2024 – FY 2033 Disbursement Plan** – \$7.74 billion, including the Proposed Revised FY 2024 budget of \$514.7 million
2. **Lifetime Budget** – \$16.08 billion

Environmental Quality and Operations Committee - VII. Proposed FY2024 - FY2033 Capital Improvement Program (Matthew Brown)

|                                      | FY 2024 - FY 2033 Disbursement Plan |                      |                      |                      |                      |                        |                      |                      |                      |                      |                        | Last Years<br>10-yr    | (Increase)/<br>Decrease | Lifetime<br>Budget      |
|--------------------------------------|-------------------------------------|----------------------|----------------------|----------------------|----------------------|------------------------|----------------------|----------------------|----------------------|----------------------|------------------------|------------------------|-------------------------|-------------------------|
|                                      | FY 2024                             | FY 2025              | FY 2026              | FY 2027              | FY 2028              | FY 2029                | FY 2030              | FY 2031              | FY 2032              | FY 2033              | 10-yr Total            |                        |                         |                         |
| Facility Land Use                    | \$13,074,148                        | \$19,899,722         | \$25,189,941         | \$27,460,830         | \$17,774,560         | \$35,413,360           | \$23,100,090         | \$13,282,590         | \$14,977,360         | \$7,345,430          | \$197,518,032          | \$141,245,733          | (\$56,272,299)          | \$362,044,066           |
| <b>NON PROCESS FACILITIES</b>        | <b>\$13,074,148</b>                 | <b>\$19,899,722</b>  | <b>\$25,189,941</b>  | <b>\$27,460,830</b>  | <b>\$17,774,560</b>  | <b>\$35,413,360</b>    | <b>\$23,100,090</b>  | <b>\$13,282,590</b>  | <b>\$14,977,360</b>  | <b>\$7,345,430</b>   | <b>\$197,518,032</b>   | <b>\$141,245,733</b>   | <b>(\$56,272,299)</b>   | <b>\$362,044,066</b>    |
| Liquid Processing                    | \$31,048,728                        | \$37,484,373         | \$62,214,984         | \$82,863,496         | \$90,298,000         | \$109,684,150          | \$99,566,930         | \$106,730,770        | \$64,331,770         | \$59,904,400         | \$744,127,601          | \$625,265,688          | (\$118,861,913)         | \$1,383,302,353         |
| Plantwide                            | \$21,440,084                        | \$35,956,649         | \$43,146,688         | \$49,890,832         | \$43,836,600         | \$45,110,650           | \$27,192,330         | \$18,601,890         | \$3,488,790          | \$3,152,650          | \$291,817,163          | \$301,808,762          | \$9,991,599             | \$542,511,511           |
| Solids Processing                    | \$11,166,208                        | \$28,652,274         | \$27,041,176         | \$10,790,136         | \$29,141,904         | \$31,597,830           | \$34,274,930         | \$38,154,170         | \$23,316,940         | \$11,608,670         | \$245,744,238          | \$203,857,210          | (\$41,887,028)          | \$985,127,586           |
| Enhanced Nitrogen Removal Facilities | \$1,495,382                         | \$1,198,170          | \$1,084,272          | \$2,598,760          | \$1,324,256          | \$8,244,470            | \$24,198,440         | \$11,320,200         | \$449,580            | \$0                  | \$51,913,531           | \$49,948,854           | (\$1,964,676)           | \$437,837,932           |
| <b>WASTEWATER TREATMENT</b>          | <b>\$65,150,402</b>                 | <b>\$103,291,467</b> | <b>\$133,487,120</b> | <b>\$146,143,224</b> | <b>\$164,600,760</b> | <b>\$194,637,100</b>   | <b>\$185,232,630</b> | <b>\$174,807,030</b> | <b>\$91,587,080</b>  | <b>\$74,665,720</b>  | <b>\$1,333,602,533</b> | <b>\$1,180,880,515</b> | <b>(\$152,722,018)</b>  | <b>\$3,348,779,382</b>  |
| DC Clean Rivers Program              | \$118,913,096                       | \$204,033,452        | \$220,390,158        | \$212,583,113        | \$189,056,663        | \$147,147,462          | \$77,719,333         | \$0                  | \$0                  | \$0                  | \$1,169,843,276        | \$962,607,417          | (\$207,235,859)         | \$3,266,221,697         |
| Combined Sewer Overflow Program      | \$4,879,708                         | \$9,374,524          | \$10,932,822         | \$4,031,919          | \$4,693,032          | \$7,652,799            | \$14,643,837         | \$4,040,802          | \$0                  | \$0                  | \$60,249,443           | \$100,267,378          | \$40,017,935            | \$164,526,690           |
| <b>COMBINED SEWER OVERFLOW</b>       | <b>\$123,792,803</b>                | <b>\$213,407,976</b> | <b>\$231,322,980</b> | <b>\$216,615,032</b> | <b>\$193,749,695</b> | <b>\$154,800,261</b>   | <b>\$92,363,170</b>  | <b>\$4,040,802</b>   | <b>\$0</b>           | <b>\$0</b>           | <b>\$1,230,092,719</b> | <b>\$1,062,874,795</b> | <b>(\$167,217,924)</b>  | <b>\$3,430,748,387</b>  |
| Storm Local Drainage Program         | \$491,379                           | \$3,461,292          | \$2,886,366          | \$430,646            | \$424,035            | \$226,443              | \$264,562            | \$302,681            | \$324,394            | \$302,681            | \$9,114,479            | \$10,920,503           | \$1,806,024             | \$38,639,859            |
| Storm On-Going Program               | \$224,568                           | \$574,996            | \$642,534            | \$846,220            | \$1,083,740          | \$1,287,260            | \$935,100            | \$500,000            | \$500,000            | \$500,000            | \$7,094,418            | \$7,566,163            | \$471,745               | \$11,553,151            |
| Storm Pumping Facilities             | \$4,847,323                         | \$8,068,698          | \$2,692,739          | \$1,050,183          | \$3,024,225          | \$1,754,650            | \$5,497,260          | \$8,490,700          | \$5,507,390          | \$3,747,260          | \$44,680,428           | \$46,083,172           | \$1,402,744             | \$64,226,628            |
| Stormwater Program Managemet         | \$1,287,865                         | \$851,352            | \$337,770            | \$0                  | \$0                  | \$0                    | \$0                  | \$138,240            | \$439,760            | \$680,880            | \$3,735,867            | \$3,242,574            | (\$493,293)             | \$13,678,204            |
| Stormwater Trunk/Force Sewers        | \$441,724                           | \$608,525            | \$1,398,672          | \$1,477,017          | \$0                  | \$0                    | \$0                  | \$0                  | \$0                  | \$0                  | \$3,925,938            | \$4,428,226            | \$502,288               | \$28,976,732            |
| <b>STORMWATER</b>                    | <b>\$7,292,860</b>                  | <b>\$13,564,862</b>  | <b>\$7,958,081</b>   | <b>\$3,804,066</b>   | <b>\$4,532,000</b>   | <b>\$3,268,353</b>     | <b>\$6,696,922</b>   | <b>\$9,431,621</b>   | <b>\$6,771,544</b>   | <b>\$5,230,821</b>   | <b>\$68,551,129</b>    | <b>\$72,240,638</b>    | <b>\$3,689,509</b>      | <b>\$157,074,574</b>    |
| Sanitary Collection System           | \$6,087,171                         | \$26,323,390         | \$36,509,534         | \$26,783,380         | \$35,728,446         | \$108,246,910          | \$82,941,630         | \$61,528,530         | \$113,098,870        | \$95,611,860         | \$592,859,721          | \$491,829,019          | (\$101,030,702)         | \$774,096,236           |
| Sanitary On-Going Projects           | \$13,397,969                        | \$14,489,438         | \$13,643,343         | \$13,383,880         | \$16,037,200         | \$29,818,230           | \$26,474,270         | \$26,465,890         | \$26,963,810         | \$26,176,970         | \$206,851,000          | \$155,609,676          | (\$51,241,324)          | \$292,096,297           |
| Sanitary Pumping Facilities          | \$3,639,346                         | \$7,259,350          | \$9,040,344          | \$5,374,521          | \$9,016,038          | \$18,035,170           | \$20,116,590         | \$20,951,460         | \$32,230,670         | \$27,351,080         | \$153,014,569          | \$201,000,160          | \$47,985,591            | \$236,064,444           |
| Sanitary Program Management          | \$7,495,225                         | \$3,382,364          | \$5,193,600          | \$7,889,814          | \$10,130,481         | \$9,192,210            | \$6,269,290          | \$748,620            | \$0                  | \$0                  | \$50,301,604           | \$77,312,817           | \$27,011,213            | \$171,900,257           |
| Interceptor/Trunk Force Sewers       | \$49,979,621                        | \$40,780,436         | \$59,467,004         | \$65,207,396         | \$98,125,320         | \$122,523,184          | \$113,669,300        | \$118,076,130        | \$97,018,750         | \$87,705,880         | \$852,553,020          | \$870,364,234          | \$17,811,215            | \$1,423,347,320         |
| <b>SANITARY SEWER</b>                | <b>\$80,599,332</b>                 | <b>\$92,234,977</b>  | <b>\$123,853,825</b> | <b>\$118,638,991</b> | <b>\$169,037,485</b> | <b>\$287,815,704</b>   | <b>\$249,471,080</b> | <b>\$227,770,630</b> | <b>\$269,312,100</b> | <b>\$236,845,790</b> | <b>\$1,855,579,913</b> | <b>\$1,796,115,906</b> | <b>(\$59,464,007)</b>   | <b>\$2,897,504,554</b>  |
| Water Distribution Systems           | \$59,596,455                        | \$99,259,710         | \$117,420,426        | \$96,830,370         | \$106,484,688        | \$113,946,380          | \$130,215,120        | \$133,780,750        | \$141,443,600        | \$152,827,460        | \$1,151,804,959        | \$1,033,288,738        | (\$118,516,220)         | 2,152,848,712           |
| Lead Free DC Program                 | \$62,338,564                        | \$83,332,632         | \$93,925,392         | \$98,920,812         | \$99,443,200         | \$101,674,367          | \$104,866,870        | \$42,753,261         | \$22,166,058         | \$22,166,058         | \$731,587,214          | \$611,671,598          | (\$119,915,616)         | \$1,827,131,910         |
| Water On-Going Projects              | \$14,106,682                        | \$15,339,404         | \$15,041,104         | \$16,157,640         | \$15,132,392         | \$20,691,000           | \$21,601,000         | \$20,878,810         | \$22,622,770         | \$20,403,590         | \$181,974,392          | \$194,234,952          | \$12,260,560            | \$280,813,438           |
| Water Pumping Facilities             | \$6,276,940                         | \$8,130,624          | \$8,562,160          | \$6,142,860          | \$7,451,730          | \$5,688,940            | \$3,625,010          | \$1,785,530          | \$0                  | \$0                  | \$47,663,793           | \$57,295,042           | \$9,631,249             | \$84,432,273            |
| Water Storage Facilities             | \$7,461,655                         | \$5,812,826          | \$7,836,632          | \$21,093,345         | \$31,911,237         | \$26,562,030           | \$18,875,870         | \$8,037,130          | \$33,647,710         | \$32,582,080         | \$193,820,515          | \$59,898,591           | (\$133,921,925)         | \$306,733,553           |
| Water Service Program Management     | \$8,955,788                         | \$10,618,571         | \$9,608,800          | \$11,132,559         | \$5,833,053          | \$28,750               | \$0                  | \$0                  | \$0                  | \$0                  | \$46,177,521           | \$55,412,240           | \$9,234,719             | \$86,144,167            |
| <b>WATER</b>                         | <b>\$158,736,084</b>                | <b>\$222,493,766</b> | <b>\$252,394,514</b> | <b>\$250,277,586</b> | <b>\$266,256,300</b> | <b>\$268,591,467</b>   | <b>\$279,183,870</b> | <b>\$207,235,481</b> | <b>\$219,880,138</b> | <b>\$227,979,188</b> | <b>\$2,353,028,393</b> | <b>\$2,011,801,161</b> | <b>(\$341,227,232)</b>  | <b>\$4,738,104,052</b>  |
| <b>CAPITAL PROJECTS</b>              | <b>\$448,645,630</b>                | <b>\$664,892,769</b> | <b>\$774,206,461</b> | <b>\$762,939,728</b> | <b>\$815,950,800</b> | <b>\$944,526,245</b>   | <b>\$836,047,763</b> | <b>\$636,568,154</b> | <b>\$602,528,222</b> | <b>\$552,066,949</b> | <b>\$7,038,372,719</b> | <b>\$6,265,158,749</b> | <b>(\$773,213,970)</b>  | <b>\$14,934,255,015</b> |
| METER REPLACEMENT                    | \$3,598,042                         | \$6,944,106          | \$6,829,280          | \$5,233,416          | \$4,067,184          | \$4,067,184            | \$4,067,184          | \$4,067,184          | \$4,067,184          | \$4,067,184          | \$47,007,950           | \$37,831,067           | (\$9,176,883)           | \$47,007,950            |
| ERP System (Project Zeus)            | \$0                                 | \$0                  | \$0                  | \$0                  | \$0                  | \$0                    | \$0                  | \$0                  | \$0                  | \$0                  | \$0                    | \$350,000              | \$350,000               | \$0                     |
| CAPITAL EQUIPMENT                    | \$26,937,000                        | \$24,532,395         | \$25,009,725         | \$25,289,725         | \$33,102,229         | \$33,102,229           | \$33,102,229         | \$33,102,229         | \$33,102,229         | \$33,102,229         | \$300,382,217          | \$309,209,100          | \$8,826,883             | \$300,382,217           |
| WASHINGTON AQUEDUCT                  | \$35,546,040                        | \$35,769,600         | \$35,769,600         | \$35,769,600         | \$35,769,600         | \$35,769,600           | \$35,769,600         | \$35,769,600         | \$35,769,600         | \$35,769,600         | \$357,472,440          | \$338,518,000          | (\$18,954,440)          | \$357,472,440           |
| <b>ADDITIONAL CAPITAL PROJECTS</b>   | <b>\$66,081,082</b>                 | <b>\$67,246,101</b>  | <b>\$67,608,605</b>  | <b>\$66,292,741</b>  | <b>\$72,939,013</b>  | <b>\$72,939,013</b>    | <b>\$72,939,013</b>  | <b>\$72,939,013</b>  | <b>\$72,939,013</b>  | <b>\$72,939,013</b>  | <b>\$704,862,607</b>   | <b>\$685,908,167</b>   | <b>(\$18,954,440)</b>   | <b>\$704,862,607</b>    |
| LABOR                                |                                     |                      |                      |                      |                      |                        |                      |                      |                      |                      |                        |                        |                         | \$443,166,477           |
| <b>TOTAL CAPITAL BUDGETS</b>         | <b>\$514,726,712</b>                | <b>\$732,138,870</b> | <b>\$841,815,066</b> | <b>\$829,232,469</b> | <b>\$888,889,813</b> | <b>\$1,017,465,258</b> | <b>\$908,986,776</b> | <b>\$709,507,167</b> | <b>\$675,467,235</b> | <b>\$625,005,962</b> | <b>\$7,743,235,326</b> | <b>\$6,951,066,916</b> | <b>(\$792,168,410)</b>  | <b>16,082,284,099</b>   |
| Prior Year Board Approved CIP        | \$604,670,700                       | \$784,063,681        | \$838,249,154        | \$859,187,756        | \$892,646,051        | \$841,454,213          | \$677,036,073        | \$507,646,685        | \$444,676,243        | \$0                  | \$6,951,067,266        |                        |                         |                         |
| Delta (inc)/dec                      | \$89,943,988                        | \$51,924,811         | (\$3,565,912)        | \$29,955,287         | \$3,756,238          | (\$176,011,045)        | (\$231,950,703)      | (\$201,860,482)      | (\$230,790,992)      | (\$625,005,962)      | (\$792,168,060)        |                        |                         |                         |

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

### ACTION REQUESTED

### PARTICIPATION IN DDOT PROJECT:

#### DDOT – Metro Branch Trail from Piney Branch Road NW to Blair Rd NW

#### (Non-Joint Use)

Approval to participate in DDOT's Metro Branch Trail project under the terms of the 2002 Memorandum of Understanding (MOU) between District of Columbia Department of Transportation (DDOT) and DC Water for an amount up to \$2,151,500.00. This amount exceeds the General Manager's approval authority.

### PARTY INFORMATION

| PARTY:   | SUBS:  | PARTICIPATION: |
|--|--|----------------|
| District Department of Transportation<br>55 M Street, SE, Suite 400,<br>Washington, DC 20003 | DBE and WBE fair share objectives will<br>follow DDOT goals. |                |

### DESCRIPTION AND PURPOSE

|                                  |                    |
|----------------------------------|--------------------|
| MOU Value, Not-To-Exceed:        | \$2,151,500.00     |
| MOU Time:                        | 730 Days (2 Years) |
| Anticipated MOU Start Date:      | July 15, 2025      |
| Anticipated MOU Completion Date: | July 15, 2027      |

#### Purpose of DC Water's Participation:

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

#### Scope of DC Water's Participation:

- Replace 0.40 miles of water mains ranging from six (6) inches to twelve (12) inches and associated valves and appurtenances.
- Replace copper water services two (2) inch and smaller in public and private space.
- Replace 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 for 0.31 miles of the 0.40 miles within the project scope.

#### Federal Grant Status:

- Although the work scope is generally eligible for grant funding, grant funding was not applied to the project because it was procured through DDOT.

**AGREEMENT INFORMATION**

|                       |                         |                         |     |
|-----------------------|-------------------------|-------------------------|-----|
| <b>Contract Type:</b> | MOU                     | <b>Award Based On:</b>  | N/A |
| <b>Commodity:</b>     | Design and Construction | <b>Contract Number:</b> | N/A |

**BUDGET INFORMATION**

|                      |         |                         |                                    |
|----------------------|---------|-------------------------|------------------------------------|
| <b>Funding:</b>      | Capital | <b>Department:</b>      | Engineering and Technical Services |
| <b>Service Area:</b> | Water   | <b>Department Head:</b> | William Elledge                    |
| <b>Project:</b>      | KI      |                         |                                    |

**ESTIMATED USER SHARE INFORMATION**


| User                                    | Share %        | Dollar Amount          |
|---|----------------|------------------------|
| District of Columbia                    | 100.00%        | \$ 2,151,500.00        |
| Federal Funds                           | 0.00%          | \$                     |
| Washington Suburban Sanitary Commission | 0.00%          | \$                     |
| Fairfax County                          | 0.00%          | \$                     |
| Loudoun County & Potomac Interceptor    | 0.00%          | \$                     |
| <b>Total Estimated Dollar Amount</b>    | <b>100.00%</b> | <b>\$ 2,151,500.00</b> |

Jeffrey F.  
Thompson

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Jeffrey F. Thompson  
Date: 2024.02.05  
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Jeffrey F. Thompson / Date  
Chief Operating Officer and EVP

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



Digitally signed by Dan Bae  
DN: C=US, E=dan.bae@dcwater.com,  
O=District of Columbia Water and  
Sewer Authority, OU=VP of  
Procurement & Compliance, CN=Dan  
Bae  
Date: 2024.02.06 09:13:41 -05'00'

Dan Bae / Date  
VP of Procurement

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

### CONSTRUCTION CONTRACT CHANGE ORDER:

#### Small Diameter Water Main Replacement-16A (Non-Joint Use)

Approval to execute a Change Order No. 003 for \$2,042,049.00. The modification exceeds the Chief Executive Officer and General Manager's approval authority.

### CONTRACTOR/SUB/VENDOR INFORMATION

|  |   |                                   |
|--|---|-----------------------------------|
| <b>PRIME:</b><br>Capitol Paving of D.C., Inc.<br>2211 Channing St NE<br>Washington, DC 20018 | <b>*SUBS:</b><br>E&R Minority Supplier LLC<br>Sterling, VA<br>DBE | <b>PARTICIPATION:</b><br><br>2.0% |
|--|---|-----------------------------------|

\*The project is still on pace to meet the overall utilization goals of 31.8% DBE and 6% WBE.

### DESCRIPTION AND PURPOSE

|  |                              |
|--|------------------------------|
| Original Contract Value:                   | \$14,157,282.00              |
| Total of Previous Change Orders:           | \$ 94,594.16                 |
| Current Contract Value:                    | \$14,251,876.16              |
| Value of this Change Order:                | \$ 2,042,049.00              |
| Current Contract Value, including this CO: | \$16,293,925.16              |
| Original Contract Time:                    | 565 Days (1 Years, 6 Months) |
| Time extension, this CO:                   | 0 Days                       |
| Total CO contract time extension:          | 0 Days                       |
| Contract Start Date (NTP):                 | 03-29-2023                   |
| Anticipated Contract Completion Date:      | 02-26-2026                   |
| Cumulative CO % of Original Contract:      | 14%                          |
| Contract completion %:                     | 23%                          |

#### 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 3.82 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:

- Connected the existing 3-inch water services to the proposed water main at 3956 and 3917 Pennsylvania Avenue SE.
- Excavated and removed the installed watermain, appurtenances and fittings, and backfill.

#### Current Change Order Scope:

- Due to reported water quality and contaminated soil issues that are deemed critical, lining of the existing water main on Quebec St NW between Fordham Rd NW to University Avenue NW is required.



- Clean and line utilizing the cured in-place pipe (CIPP) method at each intersection on Quebec St NW, covering approximately 2200 linear feet.
- Clean and line approximately 2200 linear feet of ductile iron water main using six access pits.
- Full replacement of valves and fire hydrants.
- A temporary bypass system will be set up so that customers will continue to have water service during construction.
- Due to two water main breaks in the past two years and the significant risk of another break in the I-395 Air Rights Tunnel which resulted in a sink hole, water outages, and severe DDOT travel conflicts, it is deemed essential to line the existing 1200 linear feet water main in the I-395 Air Rights Tunnel.
  - Clean and line utilizing the cured in-place pipe (CIPP) method lining approximately 1200 linear feet of existing 8" water main in the I-395 Air Rights Tunnel by 3<sup>rd</sup> St between K St NW and H St NW.
  - Clean and line approximately 1200 linear feet of 8" water main using three access pits.
  - Full replacement of valves and fire hydrants.

**Federal Grant Status:**

- Although this construction contract is funded in part by a Federal Grant, the change order is not eligible for grant funding.

**PROCUREMENT INFORMATION**

|                           |              |                         |                                       |
|---------------------------|--------------|-------------------------|---------------------------------------|
| <b>Contract Type:</b>     | Unit Price   | <b>Award Based On:</b>  | Lowest responsive, responsible bidder |
| <b>Commodity:</b>         | Construction | <b>Contract Number:</b> | 200030                                |
| <b>Contractor Market:</b> | Open Market  |                         |                                       |

**BUDGET INFORMATION**

|                      |         |                         |                                    |
|----------------------|---------|-------------------------|------------------------------------|
| <b>Funding:</b>      | Capital | <b>Department:</b>      | Engineering and Technical Services |
| <b>Service Area:</b> | Water   | <b>Department Head:</b> | William Elledge                    |
| <b>Project:</b>      | HX, F1  |                         |                                    |

**ESTIMATED USER SHARE INFORMATION**

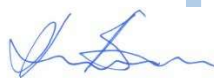
| User                                    | Share %        | Dollar Amount          |
|---|----------------|------------------------|
| District of Columbia                    | 100.00%        | \$ 2,042,049.00        |
| Federal Funds                           | 0.00%          | \$ 0.00                |
| Washington Suburban Sanitary Commission | 0.00%          | \$ 0.00                |
| Fairfax County                          | 0.00%          | \$ 0.00                |
| Loudoun County & Potomac Interceptor    | 0.00%          | \$ 0.00                |
| <b>Total Estimated Dollar Amount</b>    | <b>100.00%</b> | <b>\$ 2,042,049.00</b> |

Jeffrey F.  
Thompson

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Date: 2024.02.05 15:04:14  
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Jeffrey F. Thompson  
Chief Operating Officer and EVP

Date



Digitally signed by Dan Bae  
DN: C=US, E=dan.bae@dcwater.com,  
O=District of Columbia Water and Sewer  
Authority, OU=VP of Procurement &  
Compliance, CN=Dan Bae  
Date: 2024.02.06 09:12:41 -05'00'

Dan Bae  
VP of Procurement

Date

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

Date

David L. Gadis  
Chief Executive Officer and General Manager

Date