District of Columbia Water and Sewer Authority

# Board of Directors

## Environmental Quality and Operations Committee January 22, 2025 / 11:00am

**Microsoft Teams meeting**
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Meeting ID: 267 538 433 908 51 Passcode: 8iS7Sg6C

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Phone Conference ID: 474487154#

1. **Call to Order** _____ Sarah Motsch, Chairperson
2. **Roll Call** _____ Michelle Rhodd, Board Secretary
3. **December 2025 Blue Plains Wastewater Treatment Plant Performance** _____ Nicholas Passarelli
4. **Ten-Year FY26 to FY35 Proposed CIP Budget** _____ Matt Brown
   Moussa Wone
5. **Action Items** _____ Scott Kang
   **Joint Use**
   a) **Contract No. 10577 – Belt Filter Press Overhaul – Alfa Laval Inc.**
   b) **Contract No. 10279 – Security Systems – Pavion (d/b/a Enterprise Security Solutions)**
6. **Executive Session*** _____ Sarah Motsch
7. **Adjournment** _____ Sarah Motsch

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

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.

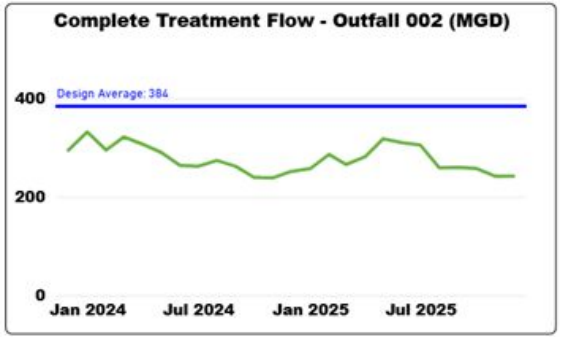
# Blue Plains Wastewater Treatment Performance

Nicholas Passarelli

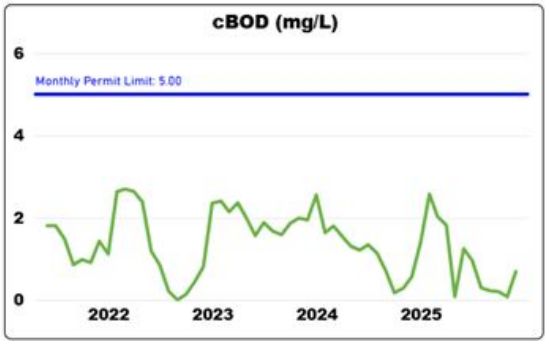
Vice President | Wastewater Treatment Operations

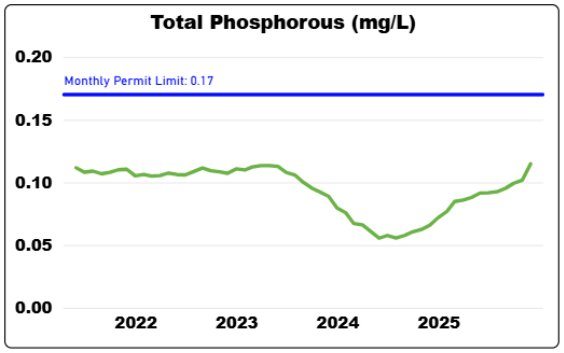
# Blue Plains Operational Performance, Flow and Permit Summary

## Monthly Average Flow and Permit Parameter Trends








All weekly and monthly NPDES permit requirements were met

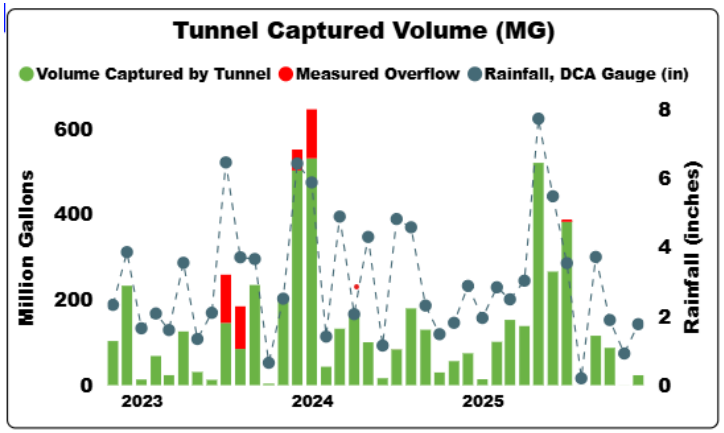
Average Outfall 002 flow for Dec 2025: 242 MGD

Peak Day flow: Dec 2nd at 358 MGD

# Blue Plains Operational Performance, Tunnel, Power & Biosolids Summary

## Tunnel Systems and Wet Weather – Dec 2025

- 23 MG Captured in Tunnel with 0 overflows
- 1.8 inches of rain




## Electrical Energy Use and Generation – Dec 2025

- 27% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 8.5 megawatts (MW)
- Solar System produced an additional 0.27 MW of power on average
- Total electricity consumption at Blue Plains averaged 27.26 MW with average of 19.95 MW purchased from PEPCO
- Total Purchased Power Savings for FY2025: $3,430,120

## Class A Biosolids – Dec 2025

- In Dec., Blue Drop sold approximately 6,118 tons of Bloom; for a total of 14,516 tons towards the FY26 goal of 62,000 tons.
- Blue Plains Produced 12,439 tons of biosolids for the month with the remaining 6,321 tons managed through land application contracts.

# 10-year FY26 to FY35 Proposed CIP Budget

Matthew Brown
Chief Operating Officer
Executive Vice President | Operations and Engineering

Moussa Wone, Ph.D., PE, DBIA
Chief Engineer
Vice President | Engineering and Clean Rivers

# 10 Year CIP Strategy

## Approach

- Meet regulatory requirements, mitigate risks and address operational needs within the Board-approved CIP level

## Strategy & Guiding Principles

- Meet regulatory requirements for Clean Rivers and Lead Free DC Programs
- Meet permit requirements
- Prioritize projects based on likelihood and consequence of failure
- Support operational needs
- Invest in aging infrastructure
- Accelerate meter replacement program to address Non-Revenue Water Loss concerns

# DC Water Budget Overview

FY2026-2035 Proposed Capital Investments of **$9.7 billion**

## REGULATORY

LEAD FREE DC

**$1.04 billion**
Continue eliminating lead service lines and meet regulatory requirements.

dc clean RIVERS PROJECT

**$1.15 billion**
Fully funds DC Water Clean Rivers projects to meet Consent Decree requirements

## RISK-BASED

**Sewer Infrastructure $2.86 billion**
Rehab of high risk trunk sewers, pump stations and structures that control flow.

**Water Infrastructure $1.74 billion**
Rehab critical valves, large diameter transmission main assessments and resilience.

**Blue Plains $1.59 billion**
Funds rehabilitation and upgrades including filters, primary treatment, and discovery center for Pure Water DC.

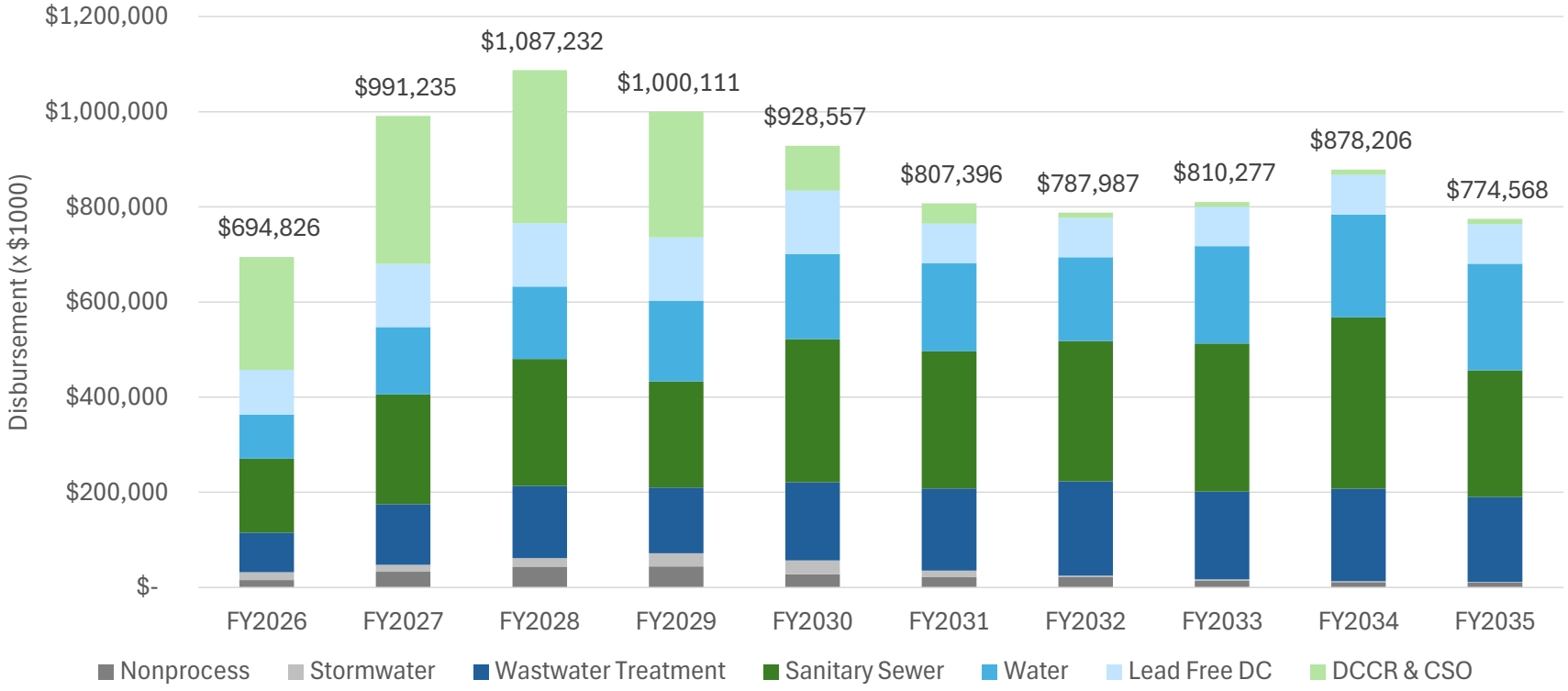
**Washington Aqueduct $514 million**
Invests in the Aqueduct's capital infrastructure for potable water treatment.

**Capital Equipment $415 million**
Invests in process equipment, specialized vehicles, IT and water meters.

**Non-Process Facilities $243 million**
Renovates Non-Process Facilities including at Blue Plains, Main Pump Station, and Bryant Street Pump Station.

**Separate Stormwater $127 million**
Rehab stormwater pump stations, address MS4 permit obligations.

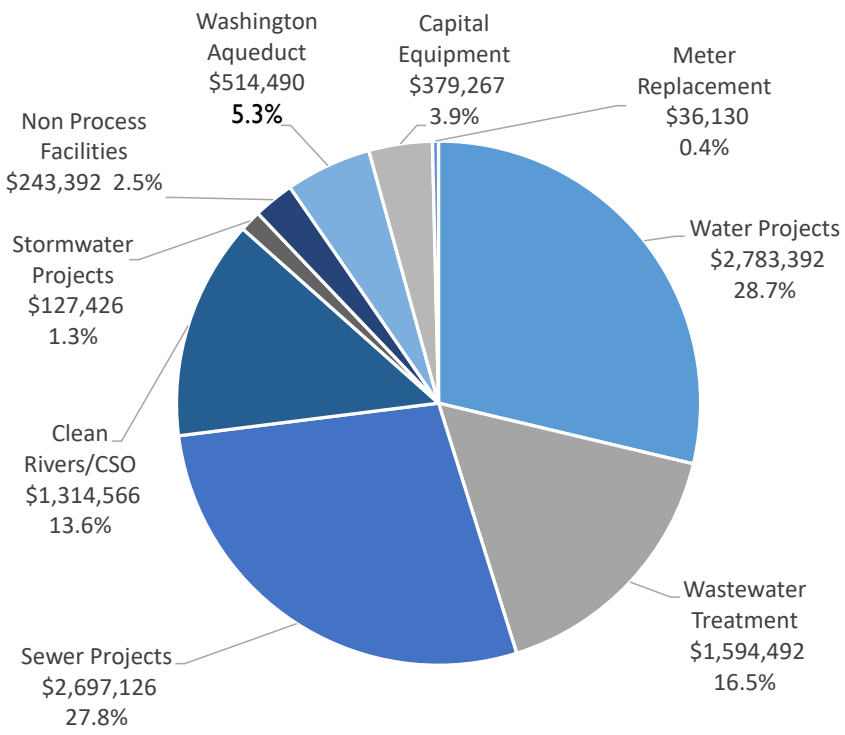
# CIP Spending By Year



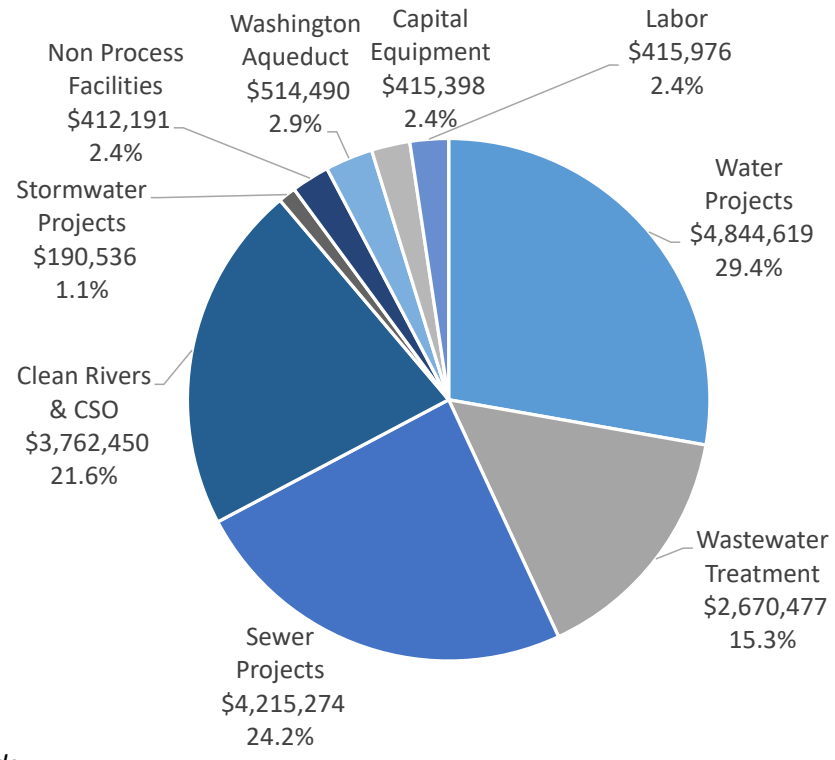

- DCCR spending peaks in FY28 and concludes in FY31
- Budgets for Water and Sewer and Wastewater achieve a steady state
- Lead Free DC budgeted for 10 years +

# Capital Improvement Program Budgets

## Ten-Year Disbursement $9.69 Billion

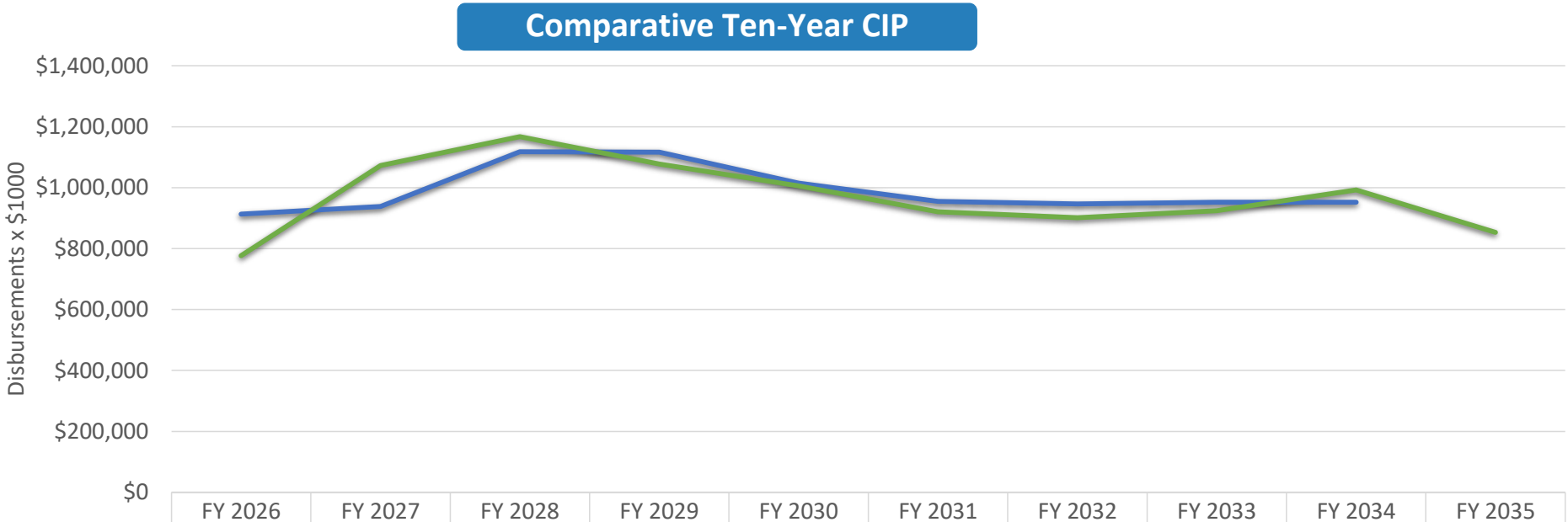



## Lifetime Project $17.4 Billion




*$ in thousands*

# Comparison: Proposed CIP vs Currently Approved




| | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | FY 2033 | FY 2034 | FY 2035 |
|---|---|---|---|---|---|---|---|---|---|---|
| Board Approved | $913,396 | $938,159 | $1,117,568 | $1,116,264 | $1,015,118 | $954,815 | $946,479 | $951,815 | $952,221 | |
| Proposed CIP | $776,787 | $1,072,251 | $1,166,983 | $1,077,446 | $1,005,595 | $920,494 | $901,382 | $923,979 | $992,224 | $853,141 |

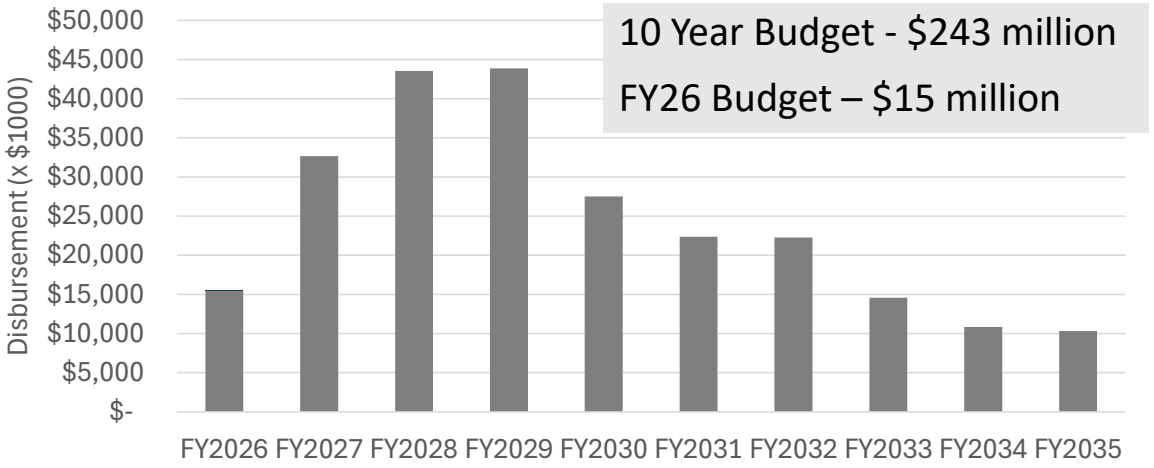
*$ in thousands*

Proposed CIP spending profile remains similar to current approved

# Drivers for CIP Changes

| Service Area | Change in 10-Year CIP $Millions | Driver | Joint Use or Non-Joint Use? |
|---|---|---|---|
| Non-Process | ↑ $30 | HVAC, roofing and safety upgrades | Both |
| Wastewater Treatment | ↓ $169 | High priority rehabilitations to maintain permit compliance | Joint Use |
| DCCR/CSO | ↑ $175 | Increased budget for Piney Branch Tunnel due to NPS requirements | Both |
| Stormwater | ↑ $62 | Rehab storm pumping stations to mitigate flooding (highest risk) | Non-Joint Use |
| Sanitary Sewer | ↓ $21 | Focus on structures that control flow and large diameter sewers (highest risk) | Both |
| Water | ↓ $89 | Focus on critical valves, inspections of transmission mains and resiliency (highest risk) | Non-Joint Use |
| Capital Equipment | ↑ $63 | Reallocation of Subscription Software expenses & acceleration of the AMI metering program | Both |
| Meter Replacement /AMR/CIS/ERP | ↑ $1 | Fund AMR and lost water assessments | Non-Joint Use |
| Washington Aqueduct | ↑ $14 | Fund DCW share of CIP | Non-Joint Use |

# Non-Process Service Area

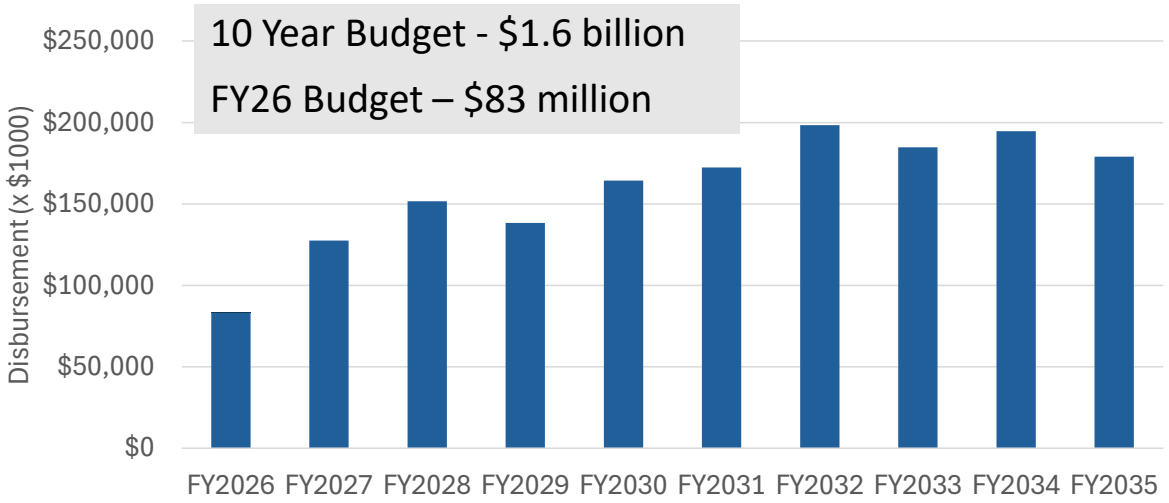


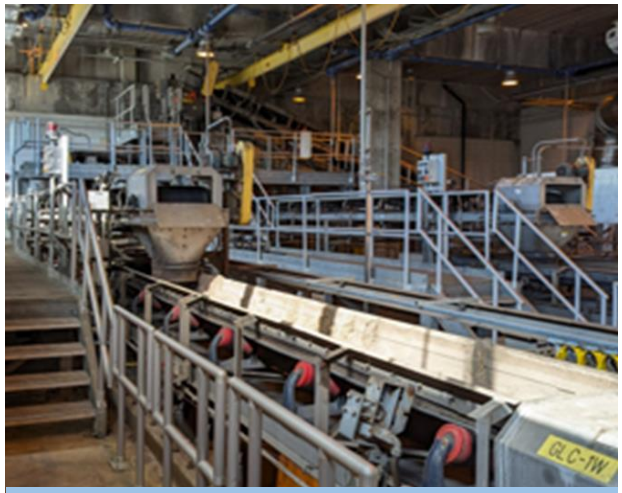

***Main Pumping Station Rehabilitation***

**Example Critical Projects**

| Project | Budget (Millions) | Description | Risks Addressed |
|---|---|---|---|
| Non-Process Area HVAC & Roofing Projects | $26.9 | Provides updates to the aging HVAC systems and Roofs at Blue Plains and other DC Water campuses | Reduces need for expensive reactive repairs |
| Main Pumping Station Rehabilitation | $30.9 | Preserves and restores the building envelope and its historic materials from further deterioration. | Structural Integrity and historic preservation |
| Program Management | $10.6 | Non-process Facilities Program aligns the goals with DC Water strategic plan. It develops the Non-process Facilities Master Plan and implements the projects within it | Enhances operational efficiency, safety, and compliance across all non-process facilities |

# Wastewater Treatment Service Area



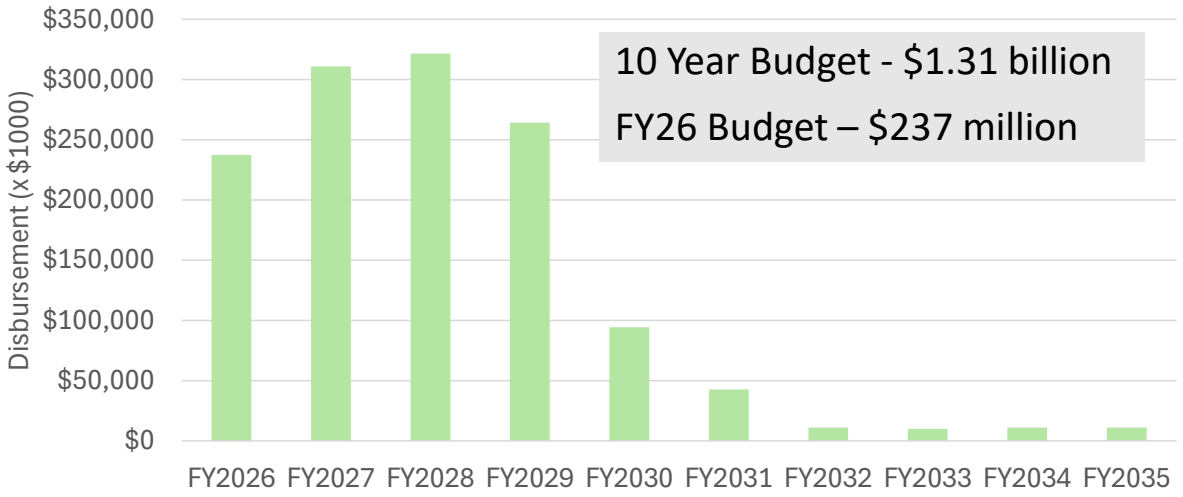



*Blue Plains WWTP Headworks*

**Example Critical Projects**

| Project | Budget (Millions) | Description | Risks Addressed |
|---|---|---|---|
| Filter Underdrain and Backwash System (FUBS) | $140M | Upgrades to Filtration Facility including underdrains, washwater, air scour, electrical and I&C systems | Operational reliability of filtration process and regulatory compliance with NPDES permit |
| Headworks Electrical Upgrades | $120M | Major electrical equipment replacement and associated ventilation improvements to the Grit and Screening Facilities | Addresses equipment wear and deterioration due to corrosion to sustain operational reliability and regulatory compliance |
| Miscellaneous Facilities Upgrades 9 | $200M | High priority rehabilitation and upgrades to vertical facilities including structural, process equipment, piping, mechanical, electrical and I&C | Operational reliability and regulatory compliance for wastewater, sewer and stormwater facilities |

# DCCR/CSO Service Area

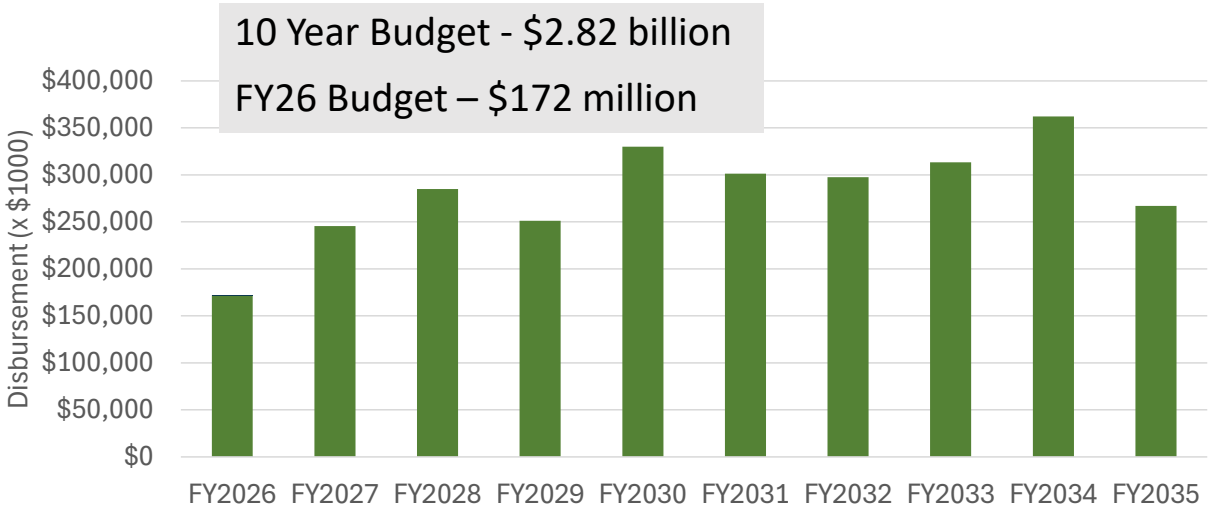



**Potomac River Tunnel Starter Tunnel and Shaft**

**Example Critical Projects**

| Project | Budget (Millions) | Description | Risks Addressed |
|---|---|---|---|
| DCCR- Potomac Tunnel | $819 M (design-build) | Construct 5.5 mile long, 18' diameter tunnel to control Potomac River CSOs | Meet Consent Decree |
| DCCR – Piney Branch Tunnel | $282 M (CMAR) | Construct 2,300' long 21' diameter tunnel to control CSO 049, largest CSO to Rock Creek | Meet Consent Decree |

# Sewer/Storm Service Areas

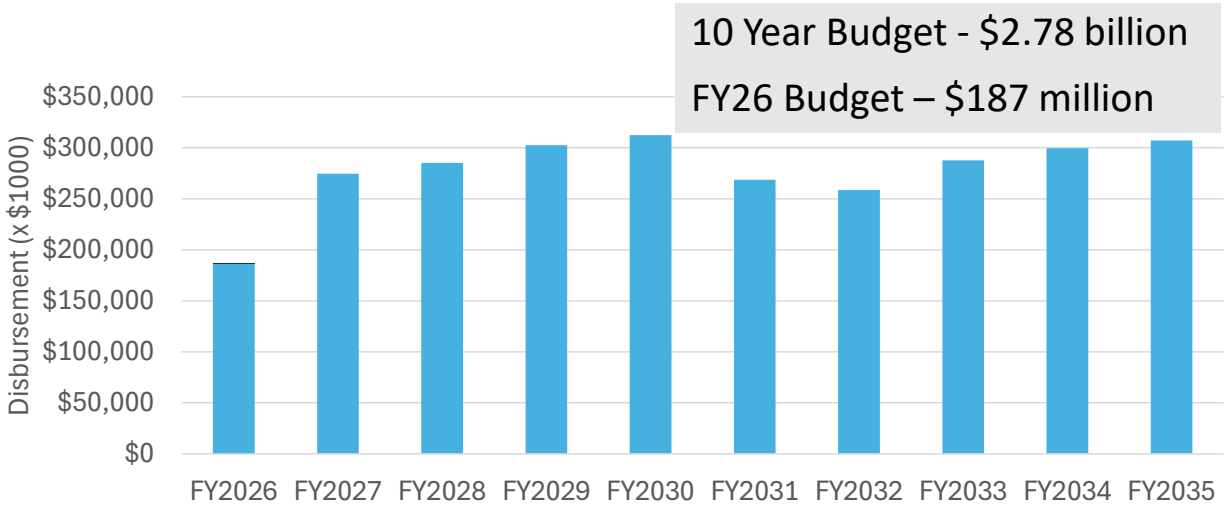



***Suitland Parkway High Priority Sewer Rehabilitation***

**Example Critical Projects**

| Project | Budget (Millions) | Description | Risks Addressed |
|---|---|---|---|
| Anacostia Area Sewer Rehabilitation | $522 | Rehabilitate sections of the Anacostia Main Interceptor & Force Main, North and South Interconnecting Branch Sewers, and East and West Outfall and Outfall Relief Sewers that are at high risk of failure. | Operational reliability of sewer assets and public safety risks resulting from failures. |
| Glover Archbold Park Creekbed Sewer Rehabilitation | $152 | Rehabilitate sewer and storm pipes and manholes that have outlived their design life or are at high risk of failure and protect and eliminate exposed sewer assets to the extent practicable. | Operational reliability of sewer assets, public safety risks, water quality. |
| Rock Creek Sewer Rehabilitation | $364 | Rehabilitate DC Water assets within and adjacent to Rock Creek Park that have outlived their design life or are at high risk of failure. | Operational reliability of sewer assets, public safety, water quality. |
| Potomac Interceptor | $690 | Rehabilitate the Potomac Interceptor via a series of projects prioritizing the high risk segments | Operational reliability of sewer assets and public safety risks resulting from failures. |

# Water/LFDC Service Area




***Typical Lead Service Line Replacement***

**Example Critical Projects**

| Project | Budget (Millions) | Description | Risks Addressed |
|---|---|---|---|
| LFDC Block by Block Program | $340M | Lead service line replacement program where locations are prioritized at the block level. | Reduction in sources of lead in drinking water and compliance with federal regulations. |
| Small Diameter Water Main Renewal 18 A/B/C | $51.7M | Renewal and replacement of aging watermains of diameters 12” or smaller | Addresses operational reliability and reduces reactive emergency costs. |
| Critical Valve Replacement Year 2 | $46.7M | Annual program that replaces critical valves requiring replacement identified through assessment. | Addresses operational reliability and reduces reactive emergency costs. |
| Bryant Street Pumping Station - Spill Header Flow Control | $635K | Replacement of aged manual PRVs with actuated PRVs, flow meters, and SCADA upgrades to enhance operational efficiency | Addresses operational reliability and reduces reactive emergency costs. |

# Program Risks

| No. | Risks | Mitigations |
|---|---|---|
| 1 | U.S Government Policies affecting construction<br>• Tariffs<br>• Immigration posture – impact on construction labor<br>• JBAB access – new policies on who can access base (visa holders not permitted, U.S citizen & green card only) | • Higher costs are likely, plan for these<br>• Manage and minimize impacts through proactive planning and construction management |
| 2 | Construction Market Trends – higher costs, contractors more selective | • Select delivery methods on a project specific basis<br>• Early contractor outreach and adaptation of plans based on contractor feedback |
| 3 | DDOT Public Inconvenience Fee, permitting and restoration requirements | • New fee added to customer bill to recover this cost<br>• Develop MOU(s) defining responsibilities<br>• Revise permit packaging to minimize costs |

# Program Risks (Continued)

| No. | Risks | Mitigations |
|---|---|---|
| 4 | Water Supply Resiliency | • Pure Water DC, Initiative to Develop a Second Source of Drinking Water |
| 5 | Increasing linear infrastructure failures necessitating emergency response | • Emergency contracts in place to respond<br>• Capital program set up on risk-based approach to minimize impacts |
| 6 | Long Term Risks<br>• New National Pollution Discharge Elimination System Permit<br>• Future Per- and polyfluoroalkyl substances (PFAS) regulations<br>• DOEE odor regulations<br>• Climate Change<br>• Anacostia River Sediment Cleanup (PCBs) | • Monitor |
| 7 | Private side lead replacements not fully funded | • Continue to Advocate for additional funding |

# Budget Adoption Calendar

- **Stay Informed:** Review details of budget and rates proposal online
- **Contact Us:** Submit budget-related questions to the Board Secretary at michelle.rhodd@dcwater.com
  - Questions will be distributed to appropriate staff with formal response to the full Board
- **Get Involved:** Attend upcoming Committee meetings to ask questions and provide feedback/recommendations

**January 16**
Wholesale Customer Briefing

**January 23**
Office of People's Counsel Briefing

**January & February**
Committee Reviews, Recommendations & Actions

| | Environmental Quality & Operations | DC Retail Water & Sewer Rates | Finance & Budget |
|---|---|---|---|
| FY 2026 - FY 2035 Capital Budget (Disbursements & Lifetime) | Action Required | | Action Required |
| FY 2027 Operating Expenditure Budget | | | Action Required |
| Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing | | | Action Required |
| FY 2026 - FY 2035 Financial Plan | | Action Required | Action Required |
| FY 2027 & FY 2028 Revenues, Rates, charges and Fees | | Action Required | |

**March 5**
Board Adoption

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

## ACTION REQUESTED

## GOODS AND SERVICES CONTRACT NEW AWARD

## BELT FILTER PRESS OVERHAUL

## (Joint Use Direct)

Approval to exercise award year and approve funding in the amount of $3,355,000.00 for the reconditioning of ten (10) Winklepress belt press filters.

## CONTRACTOR/SUB/VENDOR INFORMATION

| PRIME: | SUBS: | PARTICIPATION: |
|---|---|---|
| Alfa Laval Inc.<br>10470 Deer Trail Drive Houston,<br>TX 77038 USA | N/A | N/A |

## DESCRIPTION AND PURPOSE

| | |
|---|---|
| Base Year Contract Value: | $3,354,620.00 |
| Base Year Contract Dates: | 03-02-2026 – 03-01-2027 |
| Total Number of Proposals: | Sole Source |

**Purpose of the Contract:**

This contract is to perform onsite machine reconditioning of ten (10) Winklepress Type 97 Size 3 (2.0 meter) belt press filters in operation at Blue Plains. This strategic initiative is driven by the need to ensure continued optimal performance, increase equipment reliability, and support the long-term sustainability of solids processing operations at the facility.

**Contract Scope:**

This reconditioning project includes the disassembly of the filter presses, installation of new, original equipment manufacturer (OEM) replacement parts, delivery and handling of all supplied parts, and one-year of preventative maintenance inspections. The vendor will warrant parts for one year with roller and bearings warranted for three years.

**Sole Source Solicitation**

Alfa Laval is the sole manufacturer and installer of patented OEM parts for the Winklepress belt filter press units currently operating at Blue Plains. The units were purchased over 10 years ago and are currently in need of repair and refurbishment. Refurbishment was determined to be a more cost-effective approach than purchasing new units. Alfa Laval sells OEM parts only to existing Winklepress unit owners and is the only entity, outside the existing owner of the equipment, who can perform repair and maintenance services using OEM parts.

## PROCUREMENT INFORMATION

| | | | |
|---|---|---|---|
| **Contract Type:** | Goods and Services | **Award Based On:** | Sole Source |
| **Commodity:** | Maintenance | **Contract Number:** | 10577 |
| **Contractor Market:** | Sole Source | | |

## BUDGET INFORMATION

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

## ESTIMATED USER SHARE INFORMATION

| User - Operating | Share % | Dollar Amount |
|---|---|---|
| District of Columbia | 43.43% | $1,456,911.47 |
| Washington Suburban Sanitary Commission | 42.13% | $1,413,301.41 |
| Fairfax County | 9.21% | $308,960.50 |
| Loudoun Water | 4.44% | $148,945.13 |
| Potomac Interceptor | 0.79% | $26,501.50 |
| **TOTAL ESTIMATED DOLLAR AMOUNT** | **100.00%** | **$3,354,620.00** |

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1/15/2026
Matthew T. Brown — Date
Chief Operating Officer and EVP

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1/15/2026
Korey Gray — Date
VP Compliance and Chief Procurement Officer

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1/15/2026
Lola Oyeyemi — Date
Acting CFO and EVP of
Finance, Procurement and Compliance,
and Vice President, Budget

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 MODIFICATION**

**SECURITY SYSTEMS**

**(Joint use Indirect)**

This contract action is to approve funding for option year 3 and option year 4 in the amount of $3,546,345.09.

### CONTRACTOR/SUB/VENDOR INFORMATION

| PRIME: | SUBS: | PARTICIPATION: |
|---|---|---|
| Pavion (d/b/a Enterprise Security Solutions).<br>44710 Cape Court Unit 112.<br>Ashburn, VA 20147 | Telecommunications Development Corp., Washington DC<br><br>Aspen of DC., d/b/a ADC Management Solution, Washington DC | DBE 20%<br><br>WBE 10% |

### DESCRIPTION AND PURPOSE

| | |
|---|---|
| Base Year – Option Year 4 Value: | $3,610,000.00 |
| Base Year – Option Year 4 Date: | 11-01-2022 – 10-31-2027 |
| Prior Modification Value: | $2,137,000.00 |
| Prior Modification Date: | 11-01-2024 – 10-31-2025 |
| **Option Year 3 & Option 4 Value:** | **$3,546,345.09** |
| **Option Year 3 & Option Year 4 Date:** | **11-01-2025 – 10-31-2027** |

**Purpose of the Contract:**

DC Water requires a qualified contractor to provide maintenance and on-call and emergency repair services to ensure the continued proper, safe and reliable operation of access control, alarm and video surveillance systems utilized at DC Water Facilities.

**Contract Scope:**

To provide preventative and operational maintenance of DC Water's security system. The work includes: the maintenance, repair, installation, testing, troubleshooting, replacement and reconfiguration of existing and future hardware and software that comprise the facilities security and access control systems: including card readers, locking devices, cabling, wiring, control panels, software, etc. The contractor is also responsible for maintaining an on-site spare parts inventory for all security systems installed at DC Water facilities.

**Existing Need:**

The Department of Security continues to identify and implement various security enhancement projects throughout all DC Water facilities. These projects are funded through CIP and capital equipment funding which was not included in the initial budget allocation for this contract. This has led to the prior modification funding requests and this current one. New projects added to the contract associated with this request include but are not limited to camera and card reader upgrades, end of life network devices replacements, server replacements, perimeter camera coverage and intrusion detection systems. The following table shows the cost breakdown of this funding request.

| | OY3 | OY4 |
|---|---|---|
| Capital Projects | $ 712,680.09 | $ 95,669.00 |
| Capital Equip. Projects | $ 600,000.00 | $ 500,000.00 |
| Operating Costs | $ 800,000.00 | $ 838,000.00 |
| **TOTAL** | **$ 2,112,680.09** | **$ 1,433,669.00** |

**Spending Previous Year:**

| | |
|---|---|
| Cumulative Contract Value: | 11-01-2022 to 10-31-2027: $5,747,000.00 |
| Cumulative Contract Spending: | 11-01-2022 to 12-22-2025: $5,594,814.87 |

**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:** | Highest Ratings |
| **Commodity:** | Security | **Contract Number:** | 10279 |
| **Contractor Market:** | Open Market with DBE/WBE Goal | | |

## BUDGET INFORMATION

| | | | |
|---|---|---|---|
| **Funding:** | Operating, Capital & Capital Equipment | **Department:** | Security |
| **Project Area:** | DC Water Wide | **Department Head:** | Ivelisse Cassas |

## ESTIMATED USER SHARE INFORMATION

| User – Operating | Share % | Dollar Amount |
|---|---|---|
| District of Columbia | 66.11% | $1,082,881.80 |
| Washington Suburban Sanitary Commission | 24.83% | $406,715.40 |
| Fairfax County | 5.81% | $95,167.80 |
| Loudoun Water | 2.83% | $46,355.40 |
| Other (PI) | 0.42% | $6,879.60 |
| **TOTAL ESTIMATED DOLLAR AMOUNT** | **100.00%** | **$1,638,000.00** |

## ESTIMATED USER SHARE INFORMATION

| User – Capital Equipment | Share % | Dollar Amount |
|---|---|---|
| District of Columbia | 85.46% | $940,060.00 |
| Washington Suburban Sanitary Commission | 7.67% | $84,370.00 |
| Fairfax County | 2.69% | $29,590.00 |
| Loudoun Water | 1.77% | $19,470.00 |
| Other (PI) | 2.41% | $26,510.00 |
| **TOTAL ESTIMATED DOLLAR AMOUNT** | **100.00%** | **$1,100,000** |

## ESTIMATED USER SHARE INFORMATION

| User – Capital | Share % | Dollar Amount |
|---|---|---|
| District of Columbia | 85.46% | $690,811.71 |
| Washington Suburban Sanitary Commission | 7.67% | $62,000.07 |
| Fairfax County | 2.69% | $21,744.48 |
| Loudoun Water | 1.77% | $14,307.71 |
| Other (PI) | 2.41% | $19,481.12 |
| **TOTAL ESTIMATED DOLLAR AMOUNT** | **100.00%** | **$808,345.09** |

Signed by:
Kirsten B. Williams, Esq. 1/15/2026
52A2EE0BEE29492...
Kirsten B. Williams Date
Chief Administration Officer and EVP

DocuSigned by:
Korey Gray 1/15/2026
49BDAE0B31F6429...
Korey Gray Date
VP Compliance and
Chief Procurement Officer

Signed by:
Lola Oyeyemi 1/15/2026
E25E37FD482245D...
Lola Oyeyemi Date
Acting CFO and EVP of
Finance, Procurement and Compliance,
and Vice President, Budget

David L. Gadis Date
CEO and General Manager

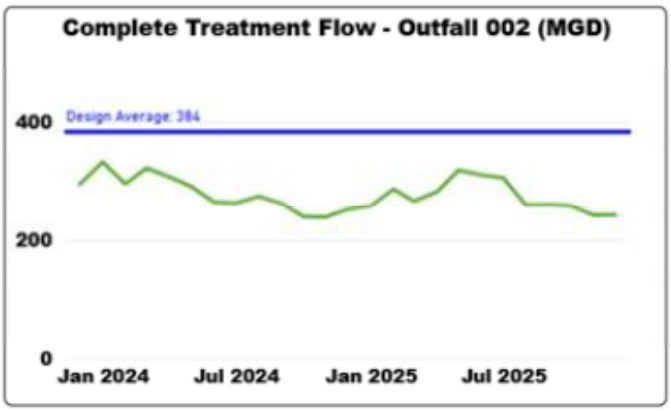
District of Columbia Water and Sewer Authority

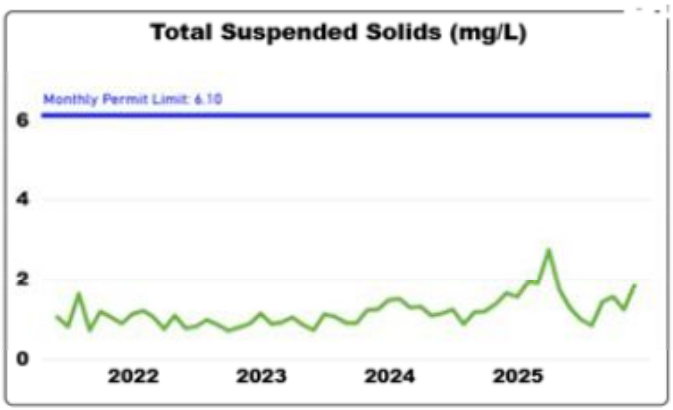
# Board of Directors

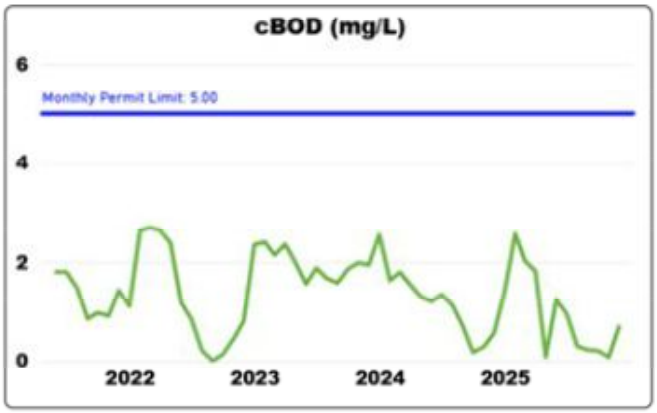
## Meeting of the Environmental Quality and Operations Committee – Executive Summary January 22, 2026 / 11:00am

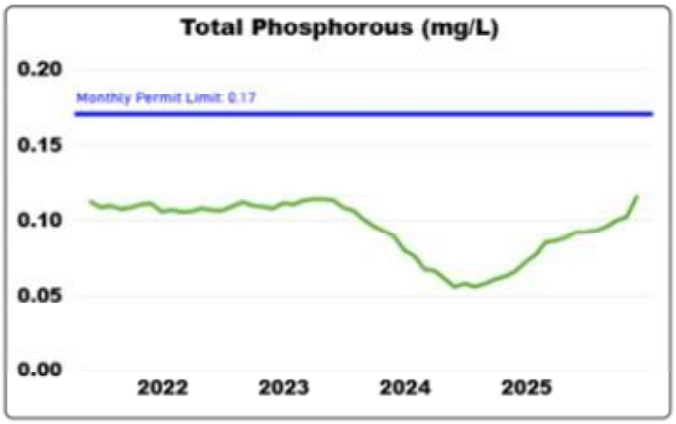
## December 2025 Blue Plains Wastewater Treatment Plant Performance

**Monthly Average Flow and Permit Parameter Trends**



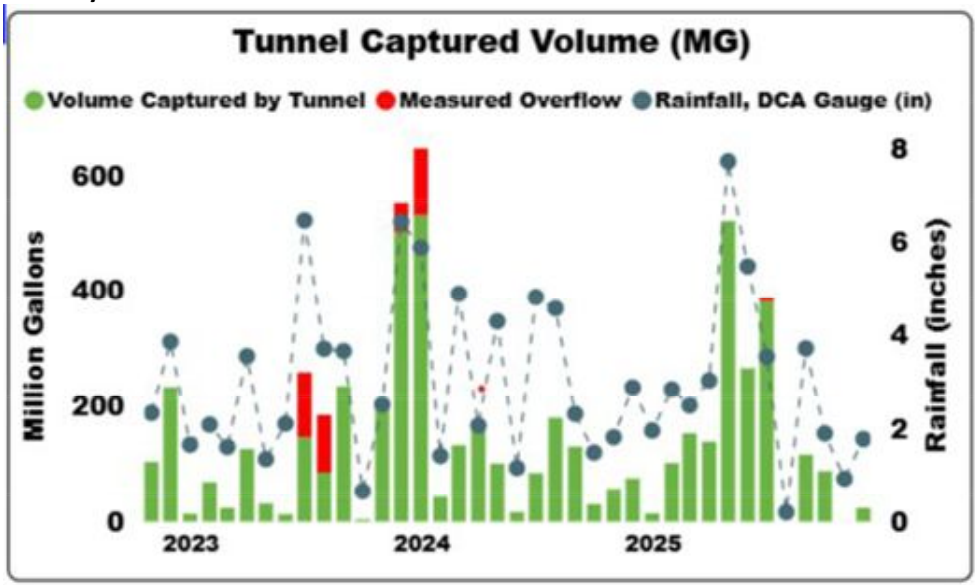




- All weekly and monthly NPDES permit requirements were met
- Average Outfall 002 flow for December 2025: 242 MGD
- Peak Day flow for December 2nd at 358 MGD

**Anacostia River Tunnel System**
**Monthly Performance Nov 2022 – Dec 2025**



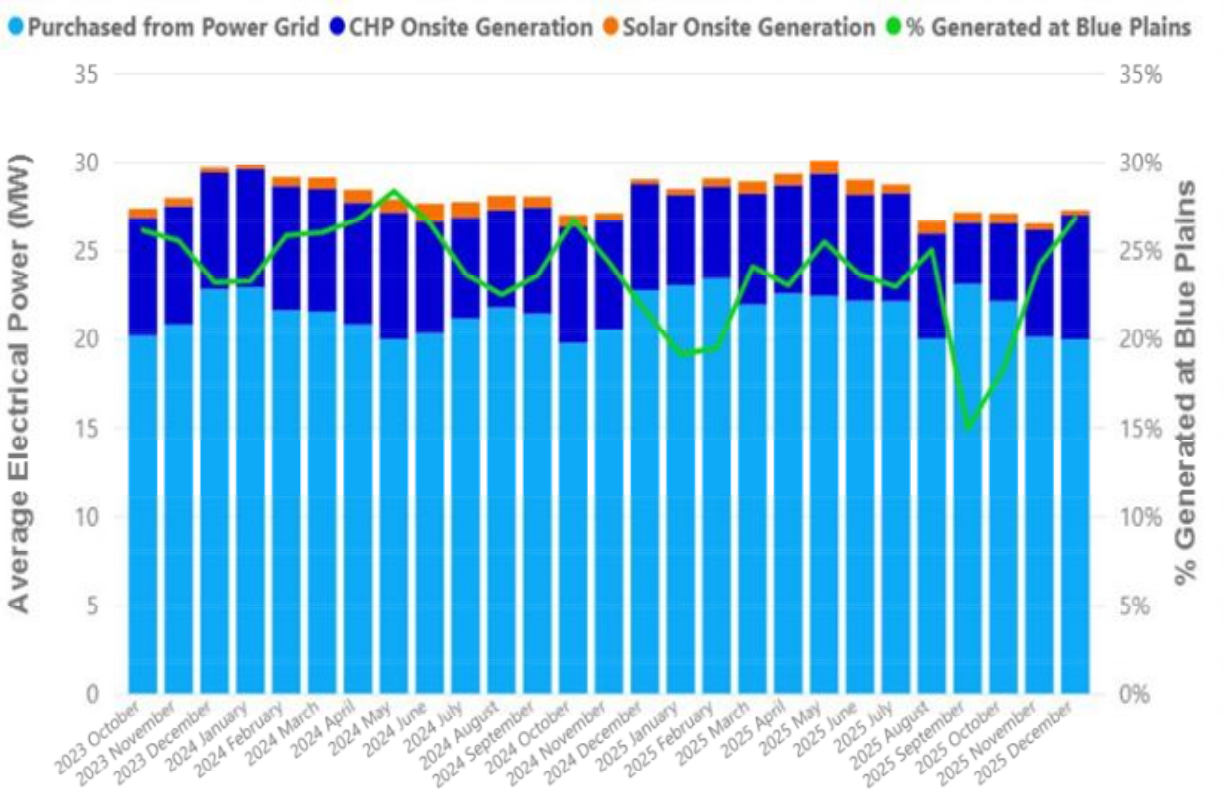

**Total Annual System Performance**
**from Start-Up (2018-2025)**

| | Anacostia River Tunnel System |
|---|---|
| Number of events | 398 |
| Volume Captured, MG | 19,579 |
| Volume to CSO, MG | 1,658 |
| Percent Captured, % | 92.2 |

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

1803 MG of volume captured by Anacostia River Tunnel System in Calendar Year 2025, with 5 MG overflow

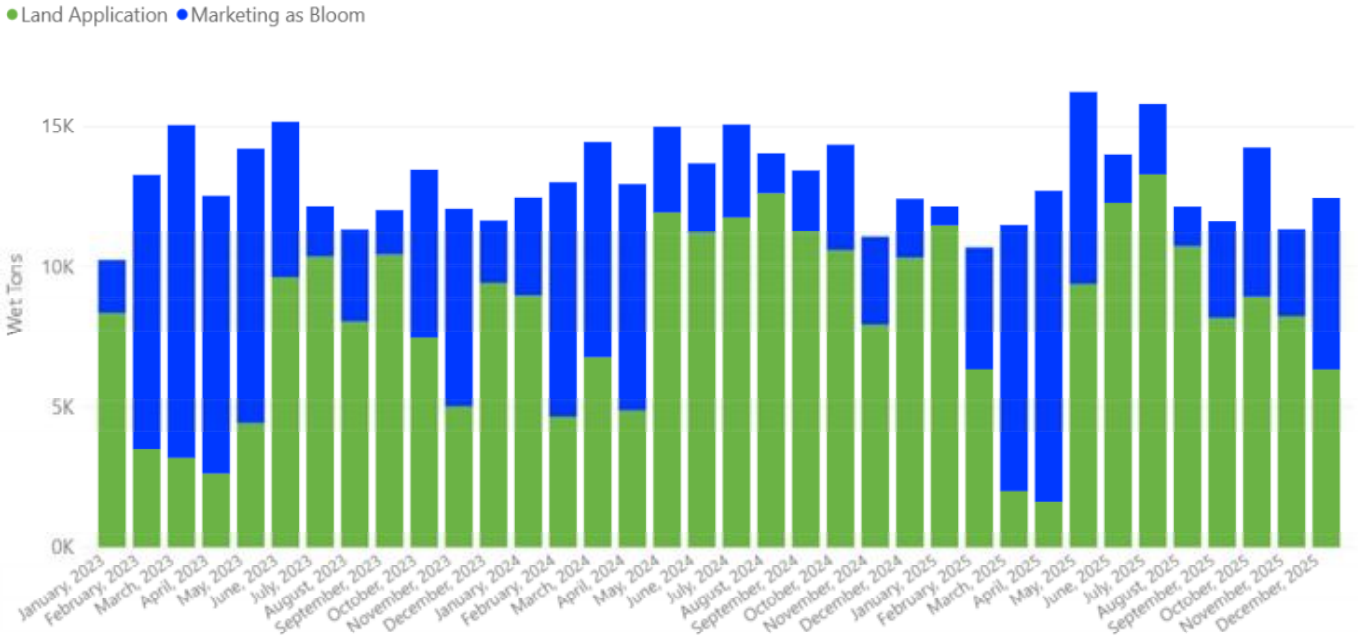
**Blue Plains Electrical Energy Use and Generation**




- 27% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 8.5 megawatts (MW)
- Solar System produced an additional 0.27 MW of power on average
- Total electricity consumption at Blue Plains averaged 27.26 MW with average of 19.95 MW purchased from PEPCO
- Total Purchased Power Savings FY2025: $3,430,120

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

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




- In Dec., Blue Drop sold approximately 6118 tons of Bloom; for a total of 14,516 tons towards the FY26 goal of 62,000 tons.
- Blue Plains Produced 12,439 tons of biosolids for the month with the remaining 6,321 tons managed through land application contracts.

District of Columbia Water and Sewer Authority

# Board of Directors

## Meeting of the Environmental Quality and Operations Committee

**– Executive Summary** January 16, 2026 / 11:00am

| (Cash Disbursements $ in thousands) | FY2025 Acutal | FY2026-2035 ($1,000s) FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32 | FY33 | FY34 | FY35 | 10-yr Total | Last Year's 10-yr | (Increase)/ Decrease | **Lifetime (1000's) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NON PROCESS FACILITIES | | | | | | | | | | | | | | | |
| Facility Land Use | 5,186 | 15,467 | 32,671 | 43,535 | 43,848 | 27,523 | 22,366 | 22,277 | 14,582 | 10,820 | 10,303 | 243,392 | 213,052 | (30,339) | 412,191 |
| **Subtotal** | **5,186** | **15,467** | **32,671** | **43,535** | **43,848** | **27,523** | **22,366** | **22,277** | **14,582** | **10,820** | **10,303** | **243,392** | **213,052** | **(30,339)** | **412,191** |
| WASTEWATER TREATMENT | | - | - | - | | | | | | | | | | | |
| Liquid Processing | 28,158 | 37,432 | 62,890 | 78,208 | 76,148 | 101,432 | 93,828 | 131,267 | 135,146 | 125,731 | 109,722 | 951,804 | 1,050,807 | 99,003 | 1,419,040 |
| Plantwide | 21,463 | 36,576 | 48,741 | 52,539 | 43,570 | 51,136 | 50,246 | 45,654 | 28,592 | 11,253 | 7,649 | 375,957 | 402,717 | 26,760 | 632,318 |
| Solids Processing | 15,023 | 8,944 | 15,905 | 20,917 | 18,619 | 11,838 | 28,377 | 21,532 | 21,006 | 57,706 | 61,641 | 266,485 | 309,264 | 42,779 | 427,942 |
| Enhanced Nitrogen Removal Facilities | 122 | 246 | - | - | - | - | - | - | - | - | - | 246 | 666 | 419 | 191,177 |
| **Subtotal** | **64,766** | **83,199** | **127,537** | **151,664** | **138,337** | **164,406** | **172,451** | **198,453** | **184,744** | **194,690** | **179,012** | **1,594,492** | **1,763,454** | **168,962** | **2,670,477** |
| COMBINED SEWER OVERFLOW | | - | - | - | | | | | | | | | | - | |
| DC Clean Rivers Program | 161,729 | 226,435 | 279,237 | 286,251 | 246,763 | 75,192 | 34,630 | - | - | - | - | 1,148,507 | 1,071,566 | (76,941) | 2,560,771 |
| Combined Sewer Overflow Program | 3,385 | 11,047 | 31,779 | 35,442 | 17,484 | 19,225 | 7,984 | 11,098 | 10,000 | 11,000 | 11,000 | 166,059 | 67,484 | (98,575) | 201,679 |
| **Subtotal** | **165,124** | **237,482** | **311,016** | **321,693** | **264,247** | **94,417** | **42,614** | **11,098** | **10,000** | **11,000** | **11,000** | **1,314,566** | **1,139,051** | **(175,515)** | **3,762,450** |
| STORMWATER | | - | - | - | | | | | | | | | | - | |
| Storm Local Drainage Program | 9 | 2,634 | 5,728 | 5,283 | 5,501 | 4,472 | 1,352 | 407 | 406 | 406 | 406 | 26,595 | 20,433 | (6,162) | 39,153 |
| Storm On-Going Program | 1,319 | 614 | 1,217 | 1,634 | 1,657 | 248 | 561 | 368 | 768 | 617 | 373 | 8,057 | 7,336 | (721) | 10,413 |
| Storm Pumping Facilities | 5,881 | 11,747 | 5,785 | 8,602 | 16,884 | 15,861 | 6,568 | - | - | - | - | 65,446 | 29,933 | (35,513) | 84,738 |
| Stormwater Program Management | 194 | 585 | 519 | 970 | 871 | 1,848 | - | - | - | - | - | 4,793 | 3,896 | (897) | 14,849 |
| Stormwater Trunk/Force Sewers | 23 | 969 | 1,491 | 1,697 | 2,928 | 6,779 | 4,440 | 1,543 | 1,076 | 1,076 | 534 | 22,534 | 4,242 | (18,292) | 41,383 |
| **Subtotal** | **7,427** | **16,550** | **14,740** | **18,186** | **27,841** | **29,208** | **12,921** | **2,318** | **2,250** | **2,099** | **1,313** | **127,426** | **65,840** | **(61,586)** | **190,536** |
| SANITARY SEWER | | - | - | - | | | | | | | | | | | |
| Sanitary Collection System | 12,133 | 15,894 | 20,632 | 28,321 | 18,700 | 33,911 | 62,486 | 36,292 | 11,833 | 11,833 | 11,074 | 250,976 | 685,262 | 434,286 | 677,291 |
| Sanitary On-Going Projects | 17,203 | 15,454 | 18,638 | 28,042 | 13,572 | 15,297 | 15,289 | 15,756 | 15,169 | 15,169 | 15,169 | 167,555 | 456,991 | 289,436 | 265,252 |
| Sanitary Pumping Facilities | 4,046 | 8,096 | 12,126 | 10,187 | 7,416 | 15,693 | 32,497 | 48,364 | 34,847 | 20,484 | 8,240 | 197,951 | 190,481 | (7,470) | 254,616 |
| Sanitary Program Management | 10,534 | 16,400 | 20,398 | 10,309 | 6,604 | 5,995 | 5,995 | 6,012 | 7,732 | 7,500 | 7,100 | 94,045 | 41,801 | (52,244) | 300,562 |
| Interceptor/Trunk Force Sewers | 65,453 | 99,526 | 158,919 | 189,968 | 176,943 | 229,760 | 172,124 | 188,824 | 241,475 | 305,060 | 224,000 | 1,986,599 | 1,344,073 | (642,526) | 2,817,552 |
| **Subtotal** | **109,368** | **155,371** | **230,713** | **266,827** | **223,235** | **300,656** | **288,391** | **295,248** | **311,056** | **360,046** | **265,583** | **2,697,126** | **2,718,608** | **21,482** | **4,315,274** |
| WATER | | - | - | - | | | | | | | | | | | |
| Water Distribution Systems | 58,040 | 58,259 | 87,333 | 87,620 | 96,097 | 107,036 | 111,467 | 120,433 | 145,279 | 160,456 | 171,636 | 1,145,616 | 1,212,588 | 66,973 | 2,278,645 |
| Lead Free DC Program | 81,997 | 93,954 | 132,752 | 133,000 | 133,000 | 133,000 | 83,000 | 83,000 | 83,000 | 83,000 | 83,000 | 1,040,707 | 1,098,207 | 57,501 | 1,783,489 |
| Water On-Going Projects | 38,022 | 13,646 | 15,927 | 12,173 | 20,990 | 29,536 | 14,957 | 14,081 | 27,014 | 24,932 | 19,903 | 195,159 | 183,002 | (12,157) | 367,044 |
| Water Pumping Facilities | 3,251 | 2,070 | 8,076 | 7,221 | 5,125 | 4,203 | 3,625 | 3,569 | 3,560 | 3,560 | 3,072 | 44,081 | 43,220 | (861) | 95,809 |
| Water Storage Facilities | 5,628 | 2,807 | 16,608 | 32,201 | 40,294 | 31,430 | 45,231 | 28,736 | 20,046 | 18,857 | 21,000 | 257,210 | 250,917 | (6,293) | 272,759 |
| Water Service Program Management | 13,366 | 16,020 | 13,863 | 13,112 | 7,097 | 7,142 | 8,373 | 8,774 | 8,746 | 8,746 | 8,746 | 100,619 | 84,011 | (16,608) | 146,874 |
| **Subtotal** | **190,303** | **186,757** | **274,558** | **285,327** | **302,603** | **312,347** | **268,653** | **258,593** | **287,645** | **299,551** | **307,357** | **2,783,392** | **2,871,946** | **88,554** | **4,844,619** |
| **CAPITAL PROJECTS** | **542,174** | **694,826** | **991,234** | **1,087,232** | **1,009,111** | **928,557** | **807,396** | **787,987** | **810,277** | **878,206** | **774,568** | **8,760,394** | **8,771,952** | **11,558** | **16,095,547** |
| CAPITAL EQUIPMENT | 19,511 | 29,401 | 39,664 | 38,398 | 37,681 | 38,269 | 38,558 | 38,855 | 39,162 | 39,478 | 39,803 | 379,267 | 316,184 | (63,083) | 379,267 |
| Meter Replacement/AMR | 399 | 3,080 | 5,583 | 5,583 | 3,883 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 36,130 | 34,664 | (1,466) | 36,130 |
| WASHINGTON AQUEDUCT | 22,060 | 49,480 | 35,770 | 35,770 | 35,770 | 35,770 | 71,540 | 71,540 | 71,540 | 71,540 | 35,770 | 514,490 | 500,780 | (13,710) | 514,490 |
| **ADDITIONAL CAPITAL PROJECTS** | **41,971** | **81,961** | **81,018** | **79,751** | **77,334** | **77,039** | **113,098** | **113,395** | **113,702** | **114,018** | **78,573** | **929,888** | **851,628** | **(78,259)** | **929,888** |
| LABOR | - | - | - | - | - | - | - | - | - | - | - | - | | - | 415,976 |
| **TOTAL CAPITAL BUDGETS** | **584,144** | **776,787** | **1,072,251** | **1,166,983** | **1,077,446** | **1,005,595** | **920,494** | **901,382** | **923,979** | **992,224** | **853,141** | **9,690,281** | **9,623,580** | **(66,701)** | **17,441,411** |

District of Columbia Water and Sewer Authority

# Board of Directors

## Meeting of the Environmental Quality and Operations Committee – Executive Summary January 22, 2026 / 11:00am

## Fire Hydrants Update

**Status Report of Public Fire Hydrants for DC Water Services Committee - January 5, 2026**

| | October Cmte. Report (October 3, 2025) | November Cmte. Report (November 3, 2025) | December Cmte. Report (December 3, 2025) | January Cmte. Report (January 5, 2026) |
|---|---|---|---|---|
| Public Fire Hydrants: | 9,833 | 9,827 | 9,832 | 9,852 |
| In Service: | 9,781 | 9,778 | 9,785 | 9,812 |
| Marked Out-of-Service (OOS) | 52 | 49 | 47 | 40 |
| OOS - defective requiring repair/replacement | 10 | 17 | 20 | 14 |
| **% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)** | **0.10%** | **0.17%** | **0.20%** | **0.14%** |
| OOS - due to inaccessibility or temp construction work | 42 | 32 | 27 | 26 |

*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 January 5, 2026 **40**

| **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 | 0 | 0 | 1 | 1** | 4** | 0 | 8** | 14 |
| **Defective** | | | | | | | | **14** |

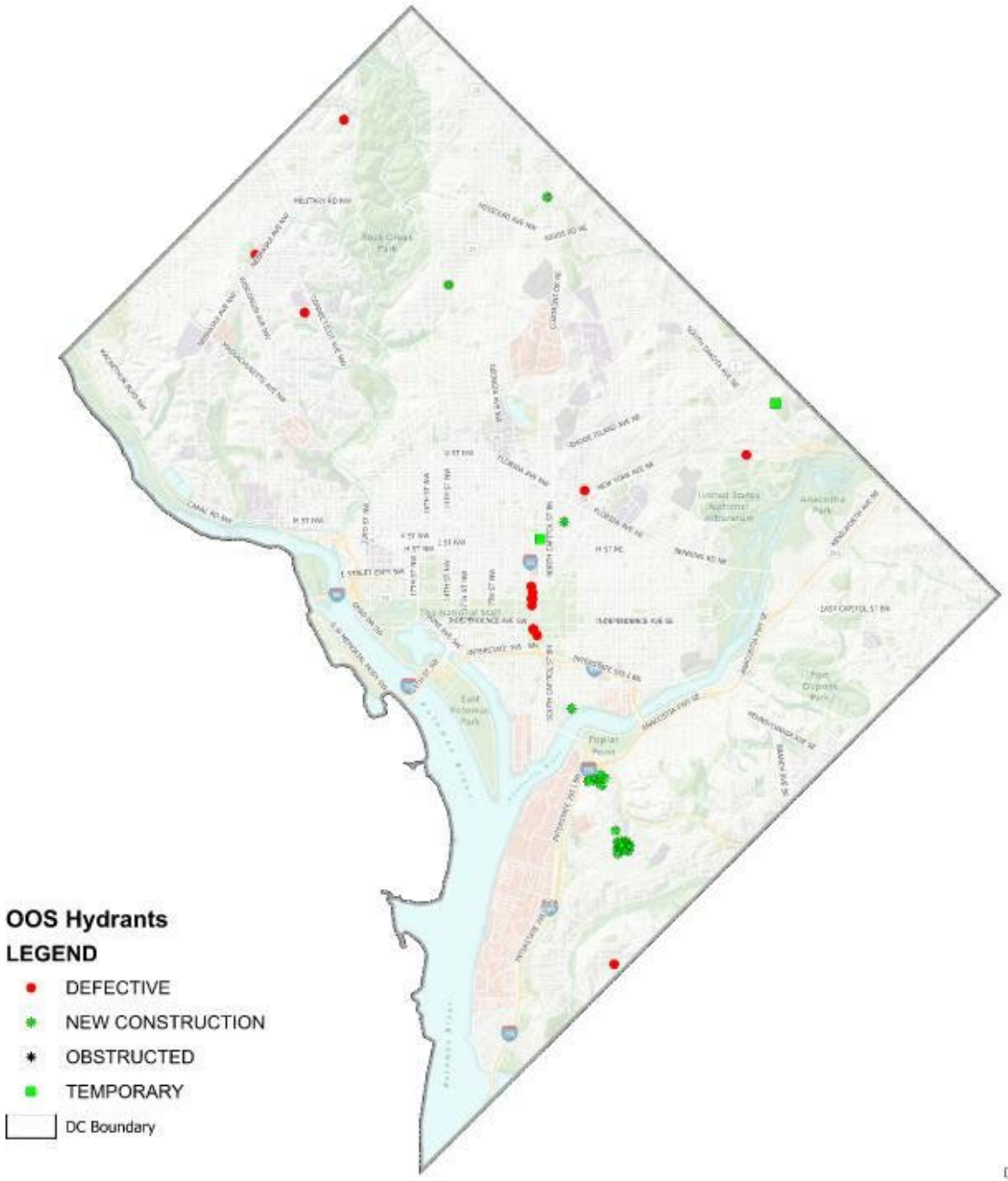
| **Breakdown of Others** | 0-7 Days | 8-14 Days | 15-30 Days | 31-60 Days | 61-90 Days | 91-120 Days | > 120 Days | Total |
|---|---|---|---|---|---|---|---|---|
| Temporarily OOS as part of operations such as a main repair | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Construction* - OOS | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 24 |
| Obstructed Hydrant – OOS hydrant due to operation impeded by an obstruction. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Others** | | | | | | | | **26** |

**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.*

## Map of Public Out-of-Service Hydrants

**January 5, 2026**




dc water is life®

**Prepared By: Distribution Control Branch**

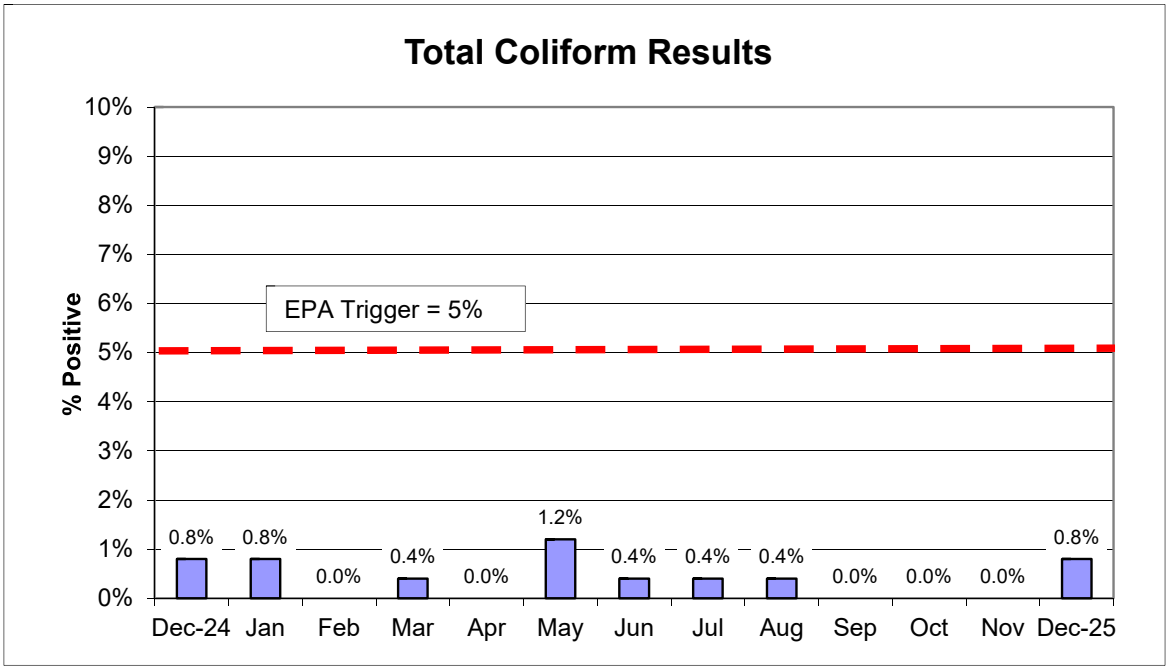
District of Columbia Water and Sewer Authority

# Board of Directors

## Meeting of the Environmental Quality and Operations Committee – Executive Summary January 22, 2025

## Water Quality Update

**Total Coliform Rule**




- DC Water collects at least 240 samples each month at over 50 government and commercial buildings

**Lead and Copper Rule**

| July -December 2025 | 1st Draw | 2nd Draw |
|---|---|---|
| Lead 90th Percentile*, parts per billion (ppb) | 2.2 | 4.7 |
| Number of samples | 106 | 102 |
| Number of samples > 15 ppb | 2 | 1 |

***EPA Action Level is >15 ppb of 1st draw 90th Percentile**

- 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.