



District of Columbia Water and Sewer Authority Board of Directors

Environmental Quality and Operations Committee July 16, 2026 / 9:30 am

Microsoft Teams meeting

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Meeting ID: 298 526 971 768 840 Passcode: jk3CR3qe

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Phone Conference ID: 991 982 74#

1. **Call to Order** _____ Christopher Herrington, Chairperson
2. **Roll Call** _____ Debra Mathis, Acting Board Secretary
3. **Executive Session*** _____ Christopher Herrington
 - To obtain legal advice and preserve attorney-client privilege or settlement terms under D.C. Official Code § 2-575(b)(4)(A).
4. [June 2026 Blue Plains Wastewater Treatment Plant Performance](#) _____ Nicholas Passarelli
5. [Potomac Interceptor Update](#) _____ Matthew Brown
Moussa Wone
6. [Non - Revenue Water Update](#) _____ Chris Collier
7. [House by House Rulemaking Public Comments](#) _____ William Elledge
8. [Fact Sheet: Contract No. A57200 Water Program Manager](#) _____ William Elledge
9. [Fact Sheet: Contract No. 10638 Electric Energy Services and Electricity](#) _____ John Papajohn
10. **Action Items** _____ Moussa Wone
John Papajohn

Joint Use

- a. [Contract No. 10638 – Electric Energy Services and Electricity Generation and Transmission](#)
- b. [Contract No. 10240 – Constellation New Energy, Inc. – Constellation New Energy, Inc.](#)
- c. [Contract No. 10631, 10633, 10634 – Industrial High Pressure and High Vacuum Truck Services – Multiple Contractors](#)
- d. [Contract No. 10637 – Microsoft Enterprise Agreement License Renewal – Dell Marketing LP](#)

Non-Joint Use

- a. [Contract No. A57200 – Water Program Management Consultant – HDR Engineering Inc](#)
- b. [Contract No. 220110 – Water Infrastructure Rehabilitation & Replacement Contract FY23-FY25 – Capital Paving of DC](#)

11. [Agenda for September 2026 Committee Meeting](#) Christopher Herrington

12. **Adjournment** Christopher Herrington

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

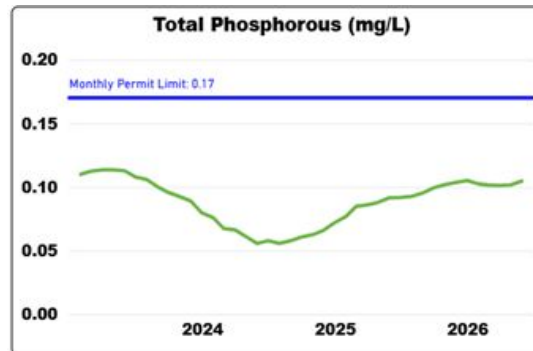
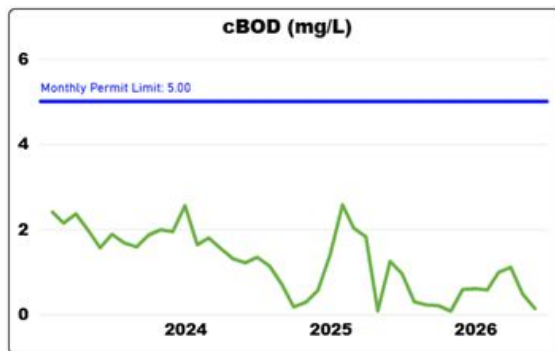
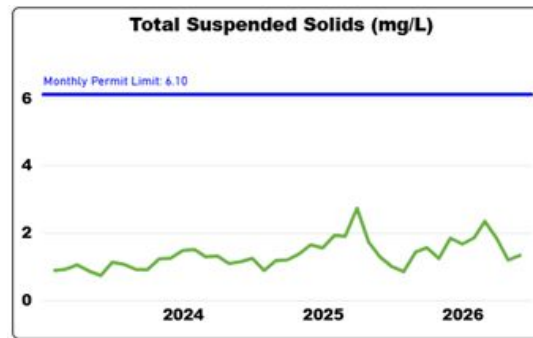
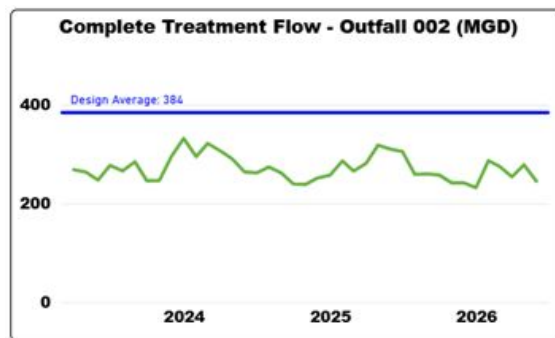
Nicholas Passarelli

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
June 2026: 245 MGD

Peak Day flow: June 23rd at
316 MGD



Blue Plains Operational Performance, Tunnel, Power & Biosolids Summary

Tunnel Systems and Wet Weather – June 2026

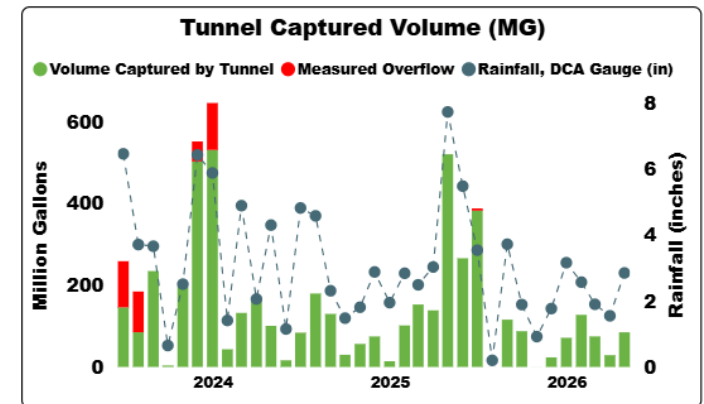
- 85 MG Captured in Tunnel with 0 overflows
- 2.85 inches of rain

Electrical Energy Use and Generation – June 2026

- 23% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 7.2 megawatts (MW)
- Solar System produced an additional 0.5 MW of power on average
- Total electricity consumption at Blue Plains averaged 27.6 MW with average of 21.3 MW purchased from PEPCO
- Total Purchased Power Savings for 1st half FY2026: \$1,757,234

Class A Biosolids – June 2026

- Blue Drop sold approximately 4,047 tons of Bloom; for a total of 50,602 tons towards the FY26 goal of 62,000 tons.
- Blue Plains Produced 14,586 tons of biosolids for the month with the remaining 10,539 tons managed through land application contracts.





Potomac Interceptor Update

Matthew T. Brown

Chief Operating Officer & Executive Vice President

Moussa Wone, Ph.D., PE, DBIA

Chief Engineer & Vice President | Engineering & Clean Rivers



Purpose

Provide an update to the Committee on the Potomac Interceptor (PI) emergency response and next steps

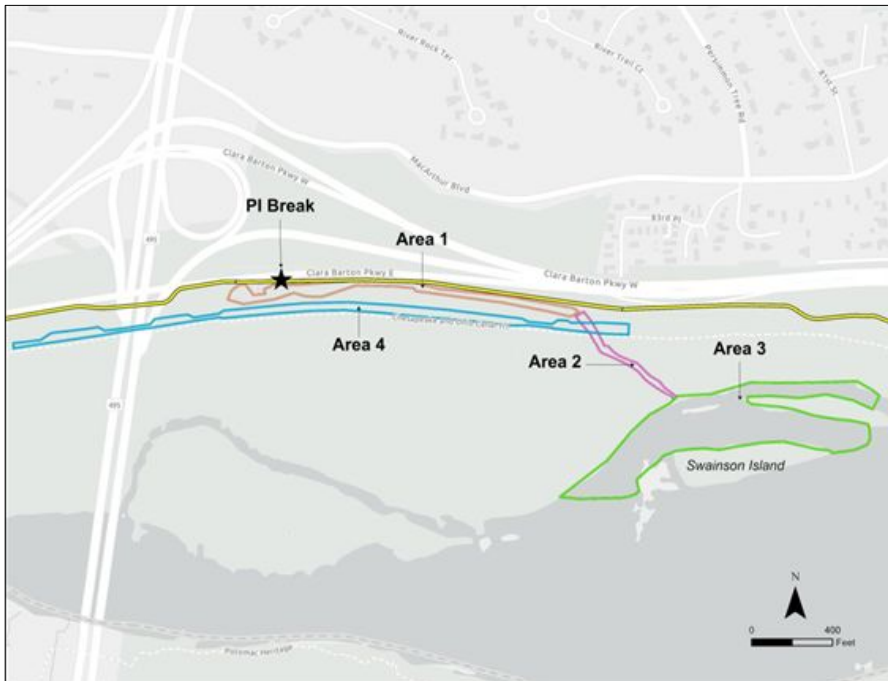


Response and Repair Plan

STEP	ACTIVITY	TIMELINE
1	Bypass Installation - Install temporary bypass pumping to reroute flow through canal around damaged pipe section	Completed
2	Investigation and Excavation - Excavate downstream of pipe, clean and identify scope of blockage	Completed
3	Repair and Flow Restoration – Install bulkhead and bypass chamber; remove rock dam and repair collapsed section to restore flow	Completed
4	Environmental Rehabilitation – Restore affected areas including drainage channel, C&O Canal and Potomac River shoreline to Swainson Island	In Progress



Environmental Update



- Area 1 = Drainage channel along Clara Barton Parkway**
- Area 2 = Culvert under C&O Canal and tributary to the Potomac River**
- Area 3 = Potomac River from shore to Swainson Island**
- Area 4 = C&O Canal**



Lock 12 Cleaned to Bedrock (Area 4)



Environmental Update



Area 4 Soil Sampling to Confirm Clean-Up

AREA	REMAINING ACTIVITIES	TIMELINE
1	Drainage Channel – Topsoil/grading/seeding, plant trees & shrubs, remove Canal Access routes after Area 4 is complete	Fall 2026
2	Culvert/Tributary to Potomac River- Topsoil/grading/seeding & any necessary repairs to Rock Run Culvert	Fall 2026
3	Potomac River near Site – Continued water quality monitoring and monitoring of Maryland Department of the Environment’s sediment data	Labor Day
4	C&O Canal – Complete soil testing, repair of clay liner, topsoil/grading/seeding, repair Locks and Levels	Fall 2026

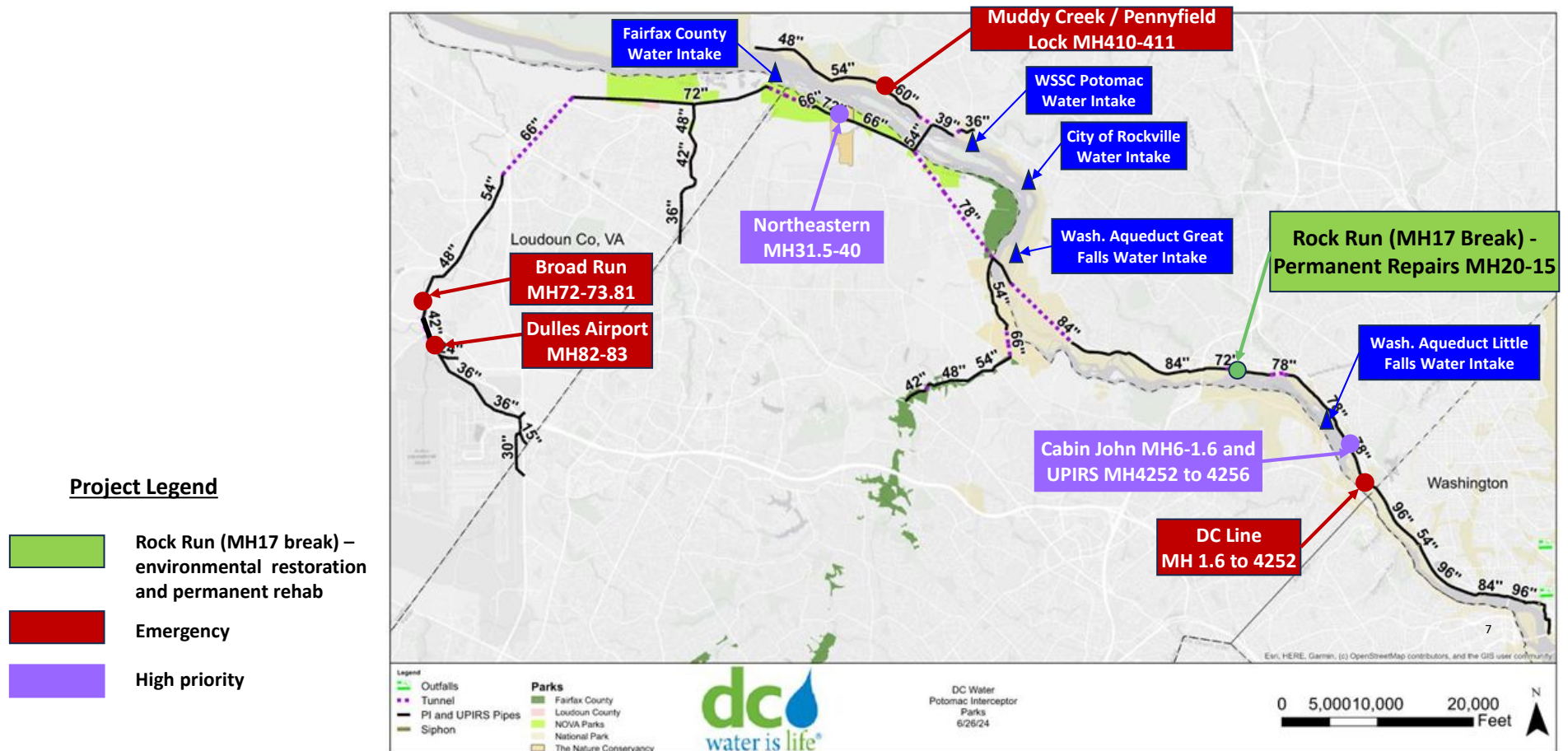


Potomac Interceptor Condition Assessment

- Condition assessment field work >99% complete
 - Closed Circuit TV
 - Multi-Sensor Inspection:
 - Sonar below sewage level
 - Laser above sewage level
- Review of data has identified emergency and high priority projects
- Developing draft CIP for remainder of PI



Projects Based on Enhanced Inspections





Projects Status

Type	Project	Approx. Cost	Schedule	Contractor	Status
MH17 Break Site – Env. Restoration & Perm. Repair	Rock Run (MH20 to MH15)	\$9.5M environ rehab \$35M pipe Rehab	Apr 2026 to Jan 2027	Anchor	Environ rehab in canal ongoing Pipe rehab: bypass pumping pipe delivery and fusing
Emergency	Muddy Branch MH410 to 411	\$20M	2026	Anchor	Constructing bypass pumping
	Dulles Airport MH82 to 83	\$10M	2026	Anchor	Constructing bypass pumping
	Broad Run MH72 to MH73.8	\$10M	2026	Anchor	Constructing bypass pumping
	Cabin John MH1.6-4252	\$11M	2026	Spiniello	Site clearing/setup
High Priority	Cabin John MH6 to MH1.6 UPIRS MH4252 to MH4256	\$154M	2027 – 2029	Spiniello	Developing scope documents
	Northeastern MH40 to MH31.5	\$250M	2027 – 2029	To Be Procured	In procurement, developing scope documents

- Subject to refinement as additional condition assessment data is evaluated
- Engaged with IMA partners and Loudoun Water to review projects identified to date and provide an update on Potomac Interceptor status



Work in the Field

Rock Run (MH17 Break) - Permanent Repairs MH20 to 15



Muddy Branch MH410 to 411



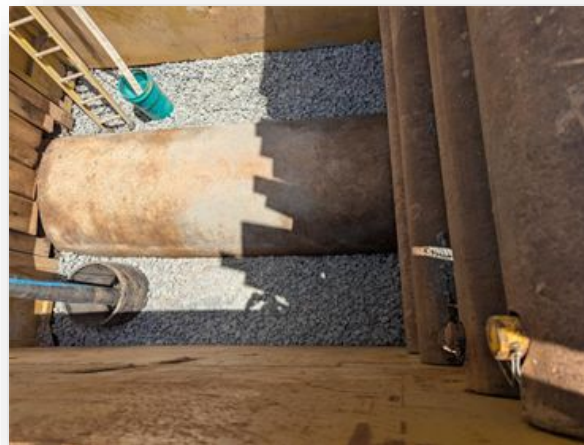


Work in the Field

Dulles Airport MH82 to 83



Broad Run MH72 to MH73.8





Odor Mitigation at MH17 Break Site

- Factors:
 - Existing odor control facility at MH17 is out of service due to break in PI
 - Pits on existing sewer are present to facilitate slip lining
 - Soil removal is ongoing
- Mitigation measures
 - Assessing odor control facility to develop repair plan and timeline
 - Covered open pits on sewer with tarp/plastic to mitigate fugitive emissions
 - Upstream chemical addition to mitigate odor generation in sewer
 - Using Odor Boss (odor masking) at Lock 10 area



Next Steps: Potomac Interceptor

- Continue environmental rehabilitation of canal at Rock Run (break site)
- Continue construction on emergency projects
- Develop draft CIP





Non-Revenue Water (NRW) Water Loss Reduction Program

Chris Collier

Vice-President | Water & Sewer Operations



Non-Revenue Water (NRW) – Presentation Purpose

Purpose



Provide a clear, standardized understanding of Non-Revenue Water and the path to improving measurement and reduction at DC Water



Understand

Quantify and Account
for Non-Revenue
Water



Measure

Improve data quality
and visibility to move
from estimates to
actuals



Reduce

Implement targeted
mitigations to reduce
water loss



Deliver Value

Protect our
resources, control
costs, and provide
reliable service to our
community



NRW – Presentation Agenda

- Non-Revenue Water (NRW) – Summary of Approach
 - Audit Strategy
 - Industry Standards – AWWA M36 Manual of Water Supply Practice (*Water Audits and Loss Control Programs*)
 - Audit Tools Used – AWWA Free Water Audit Software
- DC Water – FY24 & FY25 NRW Audit Results
- AWWA NRW Benchmarking
- NRW Enterprise Mitigation Strategies
- NRW Enterprise Mitigation Focus – Top 5
- NRW Mitigations – Progress to Date
- NRW Mitigations – Required Next Steps
- Enterprise NRW Strategy – Next Steps
- Questions





NRW – Summary of Approach

Comprehensive Audit Strategy



Dual Methodology

- Robust, two-pronged approach, integrating a macro-level, top-down water audit with a granular, bottom-up assessment.

Complete Discovery

- Holistic strategy ensured no blind spots, bridging system-wide water balance data with ground-level operational realities to accurately locate inefficiencies.

Extensive Roadmapping

- Thorough investigative process successfully yielded a pipeline of 42 distinct mitigation strategies across DC Water that supports bottom-up approach.

Strategic Focus

- The following details the DC Water NRW Audit, and the 5 priority mitigations selected for active implementation to drive immediate revenue recovery and improved data validity.





NRW – Summary of Approach

Industry Standards

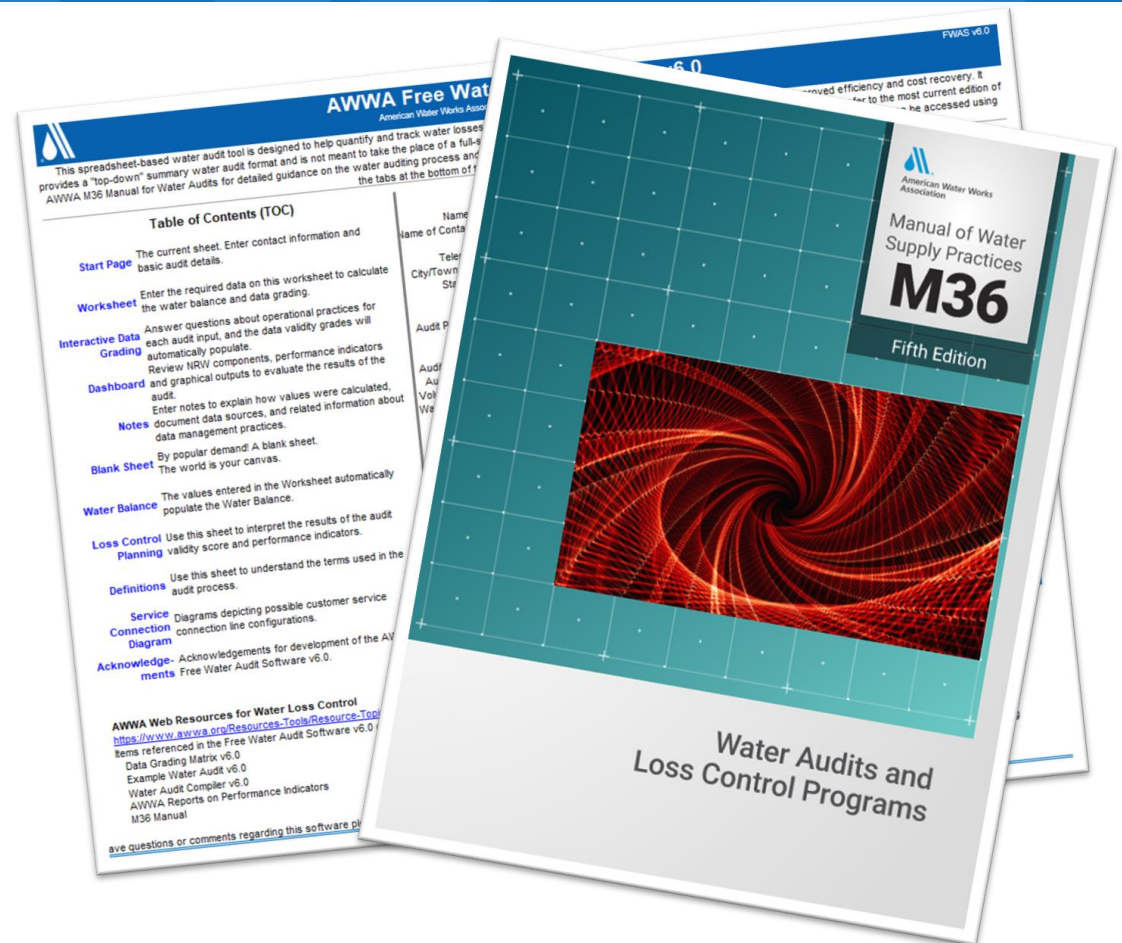


AWWA M36 – Manual of Water Supply Practices – Fifth Edition

- Establishes the industry-standard "water balance" methodology
- Guides utilities in classifying system inefficiencies, enabling data-driven investments that recover lost revenue and reduce operating costs

AWWA Free Water Audit Software (v6.0, 2020)

- Translates the M36 methodology into a practical, interactive application that automatically calculates water balance and generates key performance indicators
- Advanced data-grading matrix that assesses the accuracy of inputs, yielding trustworthy, standardized metrics used for regulatory compliance, industry benchmarking, and prioritizing capital investments.





NRW – Summary of Approach

AWWA Free Water Audit Software v6.0 Tasks Inputs

- Task 1 – Quantify the Volume of Water Supplied to the Distribution System
- Task 2 – Quantify Authorized Consumption
- Task 3 – Calculate Water Losses and Quantify Apparent and Real Losses
- Task 4 – Calculate NRW
- Task 5 – Collect Distribution System and Cost Data
- Task 6 – Determine System Attributes
- Task 7 – Performance Indicators
- Task 8 – Compile the Water Balance
- Task 9 – Assess the Data Validity Score

“Comparing a single-month water supplied volume to a single-month billed authorized-consumption volume is unreliable and misleading” – AWWA Manual M36 Fifth Edition

AWWA Free Water Audit Software v6.0
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This spreadsheet-based water audit tool is designed to help quantify and track water losses associated with water distribution systems and identify areas for improved efficiency and cost recovery. It provides a "top-down" summary water audit format and is not meant to take the place of a full-scale, comprehensive water audit format. Auditors are strongly encouraged to refer to the most current edition of AWWA M36 Manual for Water Audits for detailed guidance on the water auditing process and targeting loss reduction levels. This tool contains several separate worksheets. Sheets can be accessed using the tabs at the bottom of the screen, or by clicking the TOC links below.

Table of Contents (TOC)

- Start Page**: The current sheet. Enter contact information and basic audit details.
- Worksheet**: Enter the required data on this worksheet to calculate the water balance and data grading.
- Interactive Data Grading**: Answer questions about operational practices for each audit input, and the data validity grades will automatically populate.
- Dashboard**: Review NRW components, performance indicators and graphical outputs to evaluate the results of the audit.
- Notes**: Enter notes to explain how values were calculated, document data sources, and related information about data management practices.
- Blank Sheet**: By popular demand! A blank sheet. The world is your canvas.
- Water Balance**: The values entered in the Worksheet automatically populate the Water Balance.
- Loss Control Planning**: Use this sheet to interpret the results of the audit validity score and performance indicators.
- Definitions**: Use this sheet to understand the terms used in the audit process.
- Service Connection Diagram**: Diagrams depicting possible customer service connection line configurations.
- Acknowledgements**: Acknowledgements for development of the AWWA Free Water Audit Software v6.0.

Enter Basic Information

Name of Utility: DC Water
Name of Contact Person: Chris Collier
Email: chris.collier@dcwater.com
Telephone (Ext): 202-612-3584
City/Town/Municipality: Washington DC
State / Province: Dist. Columbia (DC)
Country: United States of America
Audit Preparation Date: Feb 02 2026
Audit Year: 2025
Audit Year Label: Fiscal (Fiscal Calendar, etc)
Audit Period Start Date: Oct 01 2024
Audit Period End Date: Sep 30 2025
Volume Reporting Units: Million gallons (US)
Water System Structure: Hybrid Wholesale + Potable Water
Water Type: Potable Water
System ID Number: John Abrera
Validator Name: John Abrera
Validator Email: john.abrera@stantec.com
Estimated Total Population Served by Water Utility:

Key of Input Acronyms *In order of appearance in the Worksheet*

- VOS Volume from Own Sources
- VOSEA VOS Error Adjustment
- WI Water Imported
- WEA WI Error Adjustment
- WE Water Exported
- WEA WE Error Adjustment
- BMAC Billed Metered Authorized Consumption
- BUAC Billed Unmetered Authorized Consumption
- UMAC Unbilled Metered Authorized Consumption
- UOAC Unbilled Unmetered Authorized Consumption
- SDHE Systematic Data Handling Errors
- CMI Customer Metering Inaccuracies
- UC Unauthorized Consumption
- Lm Length of mains
- Nc Number of service connections
- Lp Average length of (private) customer service line
- AOP Average Operating Pressure
- CRUC Customer Retail Unit Charge
- VPC Variable Production Cost

Color Key

User input Calculated Optional default

Guidance for the Worksheet

Choosing to enter unit of percent or volume (applies to VOSEA, WEA, WEEA, CMI)

choose entry option:

1.00% percent or volume 25.000

Choosing to enter default or custom input (applies to UOAC, SDHE, UC)

choose entry option:

0.25% default or custom 75.000

Guidance for the Interactive Data Grading

Use acronym buttons in IDG header to navigate among inputs. Acronym Key above.

After clicking an acronym button, answer all visible questions in the order they're presented, choosing best-fit answer

Grade will populate when all visible questions are complete for an input

Limiting

ave questions or comments regarding this software please contact us at: wic@awwa.org



DC Water – FY24 & FY25 NRW Audit Results

Unbilled Authorized Consumption



- Hydrant Maintenance
- Fire Flow Testing
- Pipe Disinfection
- Flushing
- Sewer Cleaning
- Street Sweeping, etc.



- Meter inaccuracy
- Unauthorized Use
- Unmetered Connections
- Unbilled Accounts
- Inaccurate Estimates
- Billing Adjustments



- Water Main Breaks
- Service Line Leaks
- Meter Leaks
- Hydrant Leaks
- Valve Leaks
- Tank Leaks

AWWA Water Balance

Volume From Own Sources (corrected for known errors)	System Input Volume	Water Exported (corrected for known errors)	Billed Water Exported			Revenue Water
			Authorized Consumption	Billed Authorized Consumption	Billed Metered Consumption	Revenue Water
					Billed Unmetered Consumption	
					Unbilled Authorized Consumption	
Water Imported (corrected for known errors)		Water Supplied	Water Losses	Apparent Losses	Unbilled Metered Consumption	Non-Revenue Water
					Unbilled Unmetered Consumption	
					Systematic Data-Handling Errors	
				Real Losses	Customer Metering Inaccuracies	
					Unauthorized Consumption	
					Leakage on Transmission and Distribution Mains	
					Leakage and Overflows at Utility's Storage Tanks	
					Leakage on Service Connections up to the Point of Customer Metering	

NOTE: All components of the water balance are expressed as volumes of water (not to scale) for the period of reference, typically one year.

AWWA NRW Trends

Fiscal Year	2024	2025
Non-Revenue Water %	27%	30%
Data Validity Score	51 (Tier III)	54 (Tier III)
Cost of Non-Revenue Water \$	\$35,545,680	\$43,050,733
Water Supplied (MG)	36781	36758
Billed Metered (MG)	26119	24821
NRW (MG)	9879	11168
Unit Total Losses (G/C/D)	198	221
Unit Apparent Losses (G/C/D)	23	26
Unit Real Losses (G/C/D)	175	195
Infrastructure Leakage Index (ILI)	12	14

Water Supplied went down in FY 2025 - 0.06%

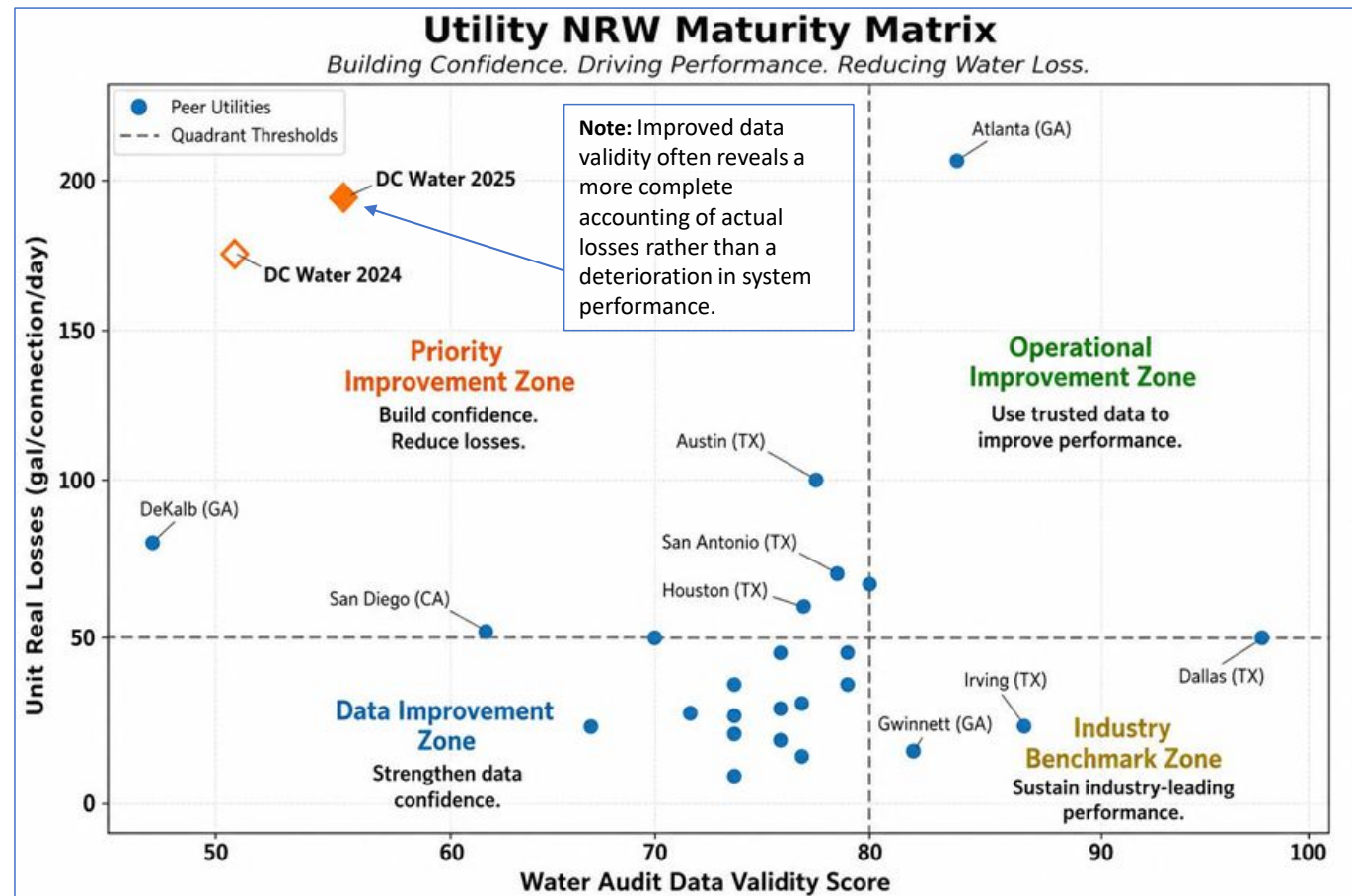
Billed Metered went down in FY 2025 - 4.97%



AWWA NRW Benchmarking – 2024 Validated Results

Key Points

- **The Maturity Matrix evaluates utilities using two dimensions:** confidence in water audit data (Data Validity Score) and operational performance (Unit Real Losses).
- **The goal is to progress from the upper left to the lower right**, first improving confidence in the data, then using that confidence to reduce real water losses.
- **Benchmark comparisons are based on 2024 AWWA M36 Level 1–Validated Water Audits** from large utilities (100,000+ service connections) in California, Texas, and Georgia.
- **This framework supports data-driven decision making** by distinguishing between data quality challenges and operational performance challenges.





NRW Enterprise Mitigation Strategies

DC Water Identified Mitigations



Grounded in Field Reality (Bottom-Up Approach)

- Developed directly by operational, engineering, permitting, and metering teams to target root causes, ensuring each mitigation is technically viable and operationally sound

Balanced Portfolio of Mitigation Alternatives

- Addresses Real Losses, Apparent Losses, and Unbilled unauthorized consumption to maximize revenue recovery and data validity

Phased Data-Driven Prioritization

- The initial 42 mitigations are being ranked by ease of implementation and impacts, allowing us to capture “low-hanging fruit” while scoping long term projects

Code	Intervention Title	Owner	Department	NRW Component	Water Balance Component
1.1	Test and Calibrate Water Import Meters	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
1.2	Test and Calibrate Water Export Meters	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
1.3	Install DC Water-Owned Meters at All Import/Export Locations	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
1.4	Improve Data Sharing of Water Import and Export Flows with Washington Aqueduct	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
1.5	Develop a Specialized Meter Calibration Test Team	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
1.6	Test and Calibrate DC Water Pump Meters	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
1.7	Install Meters at WSSC Interconnection Points	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
2.1	Catalog Unbilled Unmetered Activities for Water Operations	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
2.2	Catalog Unbilled Unmetered Activities for Engineering and Construction	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
2.3	Catalog Unbilled Unmetered Activities for External Stakeholders	Robert Simpkins	Pumping Operations	Apparent Losses	Volume Supplied
2.4	Update AWOL for Unbilled Unmetered Consumption	Chris Coit	Engineering	Real Losses	Systematic Data Handling Errors
3.1	Develop a Process to Document Theft	Amoke Awosolu	Operations	Real Losses	Systematic Data Handling Errors
3.2	Review and Update the Certificate of Occupancy (CO) Process	Andrés Villarraga	Engineering	Unbilled Authorized Cons	Volume Supplied
3.3	Investigate Unmetered Locations	Aref Erfani	Operations	Unbilled Authorized Cons	Unbilled Authorized Cons
3.4	Install Meters at Unmetered Locations	Erika White	IT	Unbilled Authorized Cons	Unbilled Authorized Cons
3.5	Install Meters for Fire Service Lines	Ogechi Okpechi	Customer Care	Unbilled Authorized Cons	Unbilled Authorized Cons
3.6	Install Meters for Large Customers with Bypass Issues	Ogechi Okpechi	Permit Operations	Apparent Losses	Unbilled Authorized Cons
4.1	Improve the Large Meter In-Situ Flow Testing Program	Sheena Robinson	Permit Operations	Apparent Losses	Unauthorized Consumption
4.2	Reinstate the Large Meter Replacement Program	Sheena Robinson	Metering	Apparent Losses	Unauthorized Consumption
4.3	Reinstate the Small Meter Bench Testing Program	Sheena Robinson	Metering	Apparent Losses	Unauthorized Consumption
4.4	Improve the Small Meter Replacement Program	Sheena Robinson	Metering	Apparent Losses	Unauthorized Consumption
4.5	Update Specifications for Small Meters	Sheena Robinson	Metering	Apparent Losses	Unauthorized Consumption
4.6	Create a Fire Hydrant Meter Testing Program	Sheena Robinson	Metering	Apparent Losses	Unauthorized Consumption
4.7	Maintain AMI Infrastructure	Sheena Robinson	Metering	Apparent Losses	Apparent Losses
5.1	Review and Update the Work Order Form to Track Leak Repairs	Sheena Robinson	Metering	Apparent Losses	Apparent Losses
5.2	Perform Real Loss Component Analysis	Pierre Constant	Metering	Apparent Losses	Apparent Losses
5.3	Replace Water Mains	Sheena Robinson	Water Quality	Apparent Losses	Apparent Losses
5.4	Calibrate Pressure Zones and Improve Boundary Integrity	Chris Coit	Metering	Apparent Losses	Apparent Losses
5.5	Implement Pressure Management Initiatives	Chris Coit	Operations	Apparent Losses	Apparent Losses
5.6	Develop Sub-Pressure Zones	Chris Coit	Operations	Real Losses	Apparent Losses
5.7	Develop a Proactive Leak Detection Program	Amoke Awosolu	Engineering	Real Losses	Real Losses
5.8	Improve Leak Find and Repair Times	Sylvia Okigbo	Operations	Real Losses	Real Losses
5.9	Perform Surge Analysis	Alireza Parhami	Operations	Real Losses	Real Losses
6.1	Review and Update the Process for Estimating Water Bills	Amoke Awosolu	Operations	Real Losses	Real Losses
6.2	Develop a Process to Report Water Volume Associated with Billing Adjustments	Sylvia Okigbo	Engineering	Real Losses	Real Losses
6.3	Review and Update the Process for Activating and Inactivating Accounts	Chris Coit	Operations	Real Losses	Real Losses
6.4	Review and Update the Process for Documenting the Number of Connections	Alireza Parhami	Operations	Real Losses	Real Losses
6.5	Develop Policies and Procedures for Data Collection	Marcus McKenzie	Customer Care	Real Losses	Real Losses
6.6	Repair Reported Leaks	Sheena Robinson	Customer Care	Apparent Losses	Real Losses
6.7		Marcus McKenzie	Metering	Apparent Losses	Systematic Data Handling Errors
6.8		Marcus McKenzie	Customer Care	Apparent Losses	Systematic Data Handling Errors
6.9		Marcus McKenzie	Customer Care	Apparent Losses	Systematic Data Handling Errors
6.10		Aref Erfani	Customer Care	Apparent Losses	Systematic Data Handling Errors
6.11		Pierre Constant	IT	Apparent Losses	Systematic Data Handling Errors
6.12		Chris Coit	Water Quality	Apparent Losses	Systematic Data Handling Errors
6.13		Chris Coit	Operations	Real Losses	Systematic Data Handling Errors

Derived from AMI Evaluation and NRW Reduction Workshops



NRW Enterprise Mitigations Focus – Top 5

Mitigation	NRW Category	Complete To Date	To-Do/Next Steps	AWWA FY Audit Realization
Imported Water	Real Losses	Met with Washington Aqueduct, Metering Review	Conduct Flow Accuracy Tests Import Meters	~FY27 Water Audit
Exported Water	Real Losses	Met with Washington Aqueduct	Conduct Flow Accuracy Tests on Arlington & Fairfax Meters	~FY27 Water Audit
Unauthorized Consumption (UC)	Apparent Losses	Surveyed over 1000 Property Locations	Customer Care and Meter Operations Reviewing >400 Accounts identified	~FY28 Water Audit
Customer Metering Inaccuracies (CMI)	Apparent Losses	17k Customer meters needing repair identified	Investigate 17k failing meters	~FY28 Water Audit
Systematic Data Handling (SMDHE)	Apparent Losses	12k pulled end points sorted and tested	Procure 3 rd party to investigate / replace failing equipment	~FY28 Water Audit



NRW Mitigations – Progress to Date



Purchase Agreement Study: Reviewed Washington Aqueduct/DC Water purchase agreement and analyzed pumping reports (including Fairfax and Arlington)



Network Metering Study: Identified 11 meters at Bryant Street and 18 meters in network at change of ownership



Washington Aqueduct Alignment: Met with Washington Aqueduct in May 2026 (introduced meter calibration needs and approach)



Performed Analysis in March 2025: Identified ~6,000 points of interest systemwide. Performed ~1,150 site surveys. Identified 860 potential unmetered connections. Confirmed >400 potential locations with Customer Care (premise verification underway)

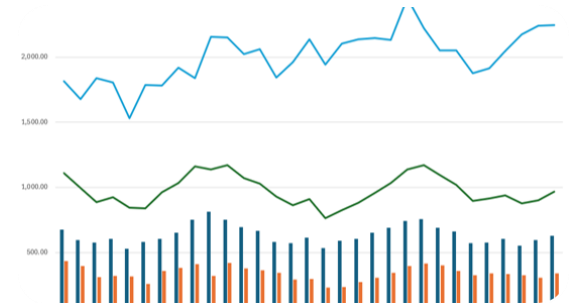


Meter Registration Improvement Project: Identified ~18,000 customer meters/MTUs needing repair or replacement (contractor RFQ – July 2026)



Meter Testing Program: Reactivated MARS meter test bench and purchased four portable large meter test units to support reinstatement of large meter testing program

AMI End Point Assessment: ~13,000 pulled endpoints sorted and tested. ~2,600 returned under warranty. Identified chronic access issues. Identified premature failures across system.





NRW Mitigations – Required Next Steps



Flow Accuracy Testing (apparent loss): Benchmark Washington Aqueduct's transmission meters and DC Water's distribution meters.



Calibration Alignments (apparent loss): Confirm, standardize, and conduct meter testing and calibration methodologies for DC Water, Fairfax, Arlington, and Washington Aqueduct.



Boundary Metering (apparent loss): Install new, dedicated DC Water owned meters at strategic import locations. ****Task Order approval underway***



Leak Detection (real loss): Investigate Washington Aqueduct's downstream water mains to identify physical leakage and establish comprehensive proactive leak detection strategies within DC Water's distribution system.



Install/Calibrate/Replace Meters (apparent loss): 1) Install meters where unauthorized consumption is confirmed, 2) Calibrate large meters, 3) Replace large meters that cannot be calibrated or repaired.



Improve AMI Meter System Performance (apparent loss): Procure 3rd party to investigate/replace ~18,000 failing meters/MTUs (Meter Transmission Units). ****RFQ will be advertised July 2026***



Meter Testing Program (apparent loss): Re-establish routine meter testing for small and large meters. ****Testing will resume July/August 2026***



Data Validity Improvements (apparent loss): 1) Develop a process to estimate loss due to SMDHE, and 2) Review estimated bill adjustments and include in Water Audit.



Strategic NRW Benchmarking & Knowledge Exchange

Site visit with San Antonio Water System (SAWS) to exchange leading practices in non-revenue water management, leak detection, and operational performance. **July 8 – 9, 2026**





Enterprise NRW Strategy - Next Steps



Continue Routine Water Auditing

- Continue current cadence of a conducting AWWA M36 Water Audits every six months
- Maintain strict data integrity using AWWA standards to track trends

Advance the Mitigation Portfolio

- Actively drive the 42 current mitigations identified as part of bottom up.
- Continuously monitor system performance to identify, prioritize, and integrate new mitigation strategies

Refine Capital & Resource Planning

- Develop and mature project scopes to establish baseline timelines and budget requirements for future review



House by House Rulemaking Public Comments

William Elledge
Director | Capital Water and Lead Free DC



Purpose

- Share with the Board a high-level summary of comments received during public comment period for the proposed House by House (HxH) Rulemakings
- Request Committee's recommendation to the Board to adopt and approve the final rulemakings: House by House Lead Pipe Replacement Assistance Program (LPRAP) and Priority Full Replacement Program



House by House Rulemaking

House by House Program

Addresses past partials
+ Expanded eligibility (see next slide)

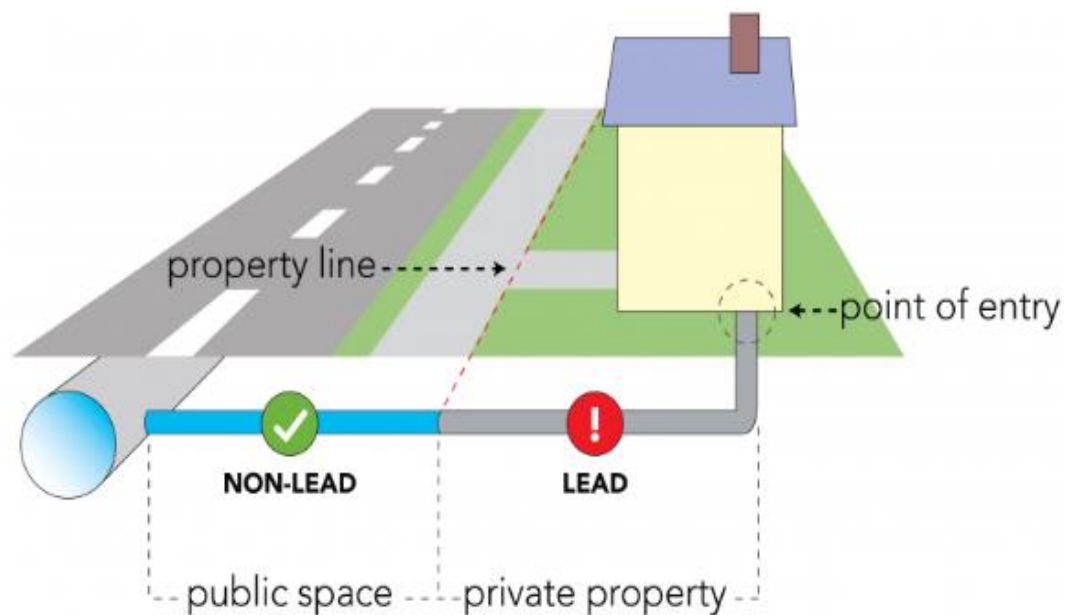
DC Water controlled program

Assists homeowners by paying for private side partial lead service line with Federal funds

Administered by DC Water

Contract between contractor and homeowner

Funded by Infrastructure Investment and Jobs Act (IIJA) on private side & ratepayers on public side



Homes not participating in House by House or LPRAP will be addressed later under Block by Block



Expand eligibility under House by House

Eligibility*:

- Past partials – private only (continue to use IJA where grants allow)
- Pregnant/nursing women – full or private
- Children under 6 – full or private
- Homes with high water lead levels – full or private
- Homes with residents with elevated blood lead levels – full or private
- Child development facilities – full or private
- Emergencies – full or private

Scale:

- \$1.2M - \$2.0M (w/in approved capital budget)
- Projecting 500-800 services per year

* Items in black are eligible under LPRAP and House by House. Items in red would be eligible under House by House.



Rulemaking Process & Schedule

April 15, 2026	EQ&Ops Committee recommendation
May 7, 2026	Board approval for Notice of Proposed Rulemaking
May 22, 2026	Publish Notice of Proposed Rulemaking in DC Register
May 23, 2026 to June 23, 2026	Public Comment Period
July 16, 2026	EQ&Ops Committee recommendation
September 3, 2026	Board approval for Notice of Final Rulemaking
September 18, 2026	Publish Notice of Final Rulemaking in DC Register
October 1, 2026	Go Live





Public Comment Period

- Public commenting period: May 22 - June 23
 - Outreach through social media posts, press releases, DC Water website, and emails
 - Posted on NextDoor, BlueSky, Facebook, and LinkedIn
- Received comments from
 - The Campaign for Lead Free Water
 - DC Healthy Housing Collaborative
 - Young Gifted & Green
 - 3 individuals (2 DC residents, 1 CA resident)
- Comments summarized into 16 categories
 - Addressed common themes such as eligibility and participation barriers





Review and Comments Analysis

- We conducted a comprehensive review of all comments
 - Findings reinforce program design
 - We are making two changes in rulemaking language
- Summary comments and responses are attached in Board packet
- Ready to move forward with the next steps in the review process – updating the DC Water Board



Comment Summary

What Was Suggested / Asked	How DC Water Responded	Change to Rulemaking?
Explicitly name pregnant women, infants, and young children as priority populations (2 comments)	Already included in eligibility (Section 4302.5)	Is part of the draft rules; no change needed
Ensure renters and multi-family properties are clearly eligible (4 comments)	Program applies to all property types; owner or authorized representative (incl. tenants) can apply consistent with laws	No change to rules; authority is with DC Council
Establish landlord response timelines and allow direct tenant action if owners do not respond (4 comments)	Owners must apply; tenants may apply if authorized; legal constraints apply	No change to rules; authority is with DC Council
Coordinate with DC Health/DHCF to prioritize high-risk households (e.g., elevated blood lead levels) (4 comments)	Coordination and data sharing already in place; high-risk households notified; open to expanded collaboration	No change to rules; occurs regardless of rulemaking
Publish prioritization criteria transparently in accessible formats (4 comments)	Rule does not include prioritization criteria; clear, accessible materials will be provided during program implementation	No change to rules; no prioritization criteria



Comment Summary

What Was Suggested / Asked	How DC Water Responded	Change to Rulemaking?
Clarify eligibility (e.g., leaks, need to know if line contains lead) (3 comments)	Leaking/broken lines eligible regardless of other criteria; applicants do not need prior knowledge of service line material	Is part of the draft rules; no change needed
Clarify funding sources and annual availability (4 comments)	Funded through Infrastructure Investment and Jobs Act (IIJA) grants and identified in the Capital Improvement Program	No change to rules; maintain flexibility for future potential funding sources
Address concerns about high per-line replacement costs (2 comments)	Costs vary by locality; program uses cost controls; actual average costs lower than cited estimates	No change to rules; already published on our website
Reduce application burden and participation barriers (4 comments)	Dedicated staff and support available; requirements under evaluation	No change to rules; will continue to support ease of application
Provide clearer timelines, inspections, appeals, and operational requirements (4 comments)	Guidance provided during implementation	No change to rules; will publish on website



Comment Summary

What Was Suggested / Asked	How DC Water Responded	Change to Rulemaking?
Strengthen oversight and include independent accountability (2 comments)	Oversight already includes Board, EPA, USACE, DOEE; annual audits and reporting in place	No change to rules; continue oversight efforts
Clarify technical definitions (e.g., "Partial Lead Service Line") (2 comments)	Definition will be clarified in the rulemaking	Definition of Partial Lead Service Line changed
Improve public education on lead exposure and mitigation (2 comments)	Residents directed to DC Water, DOEE, and DC Health resources; additional education in development	No change to rules; continue to provide public education and work with partners
Expand program access for renters/public housing when owners are unresponsive (3 comments)	Access provided via owner or authorized representative; outreach conducted to both renters and owners	No change to rules; authority is with DC Council
Provide support services (case management, translation, outreach) (1 comment)	Dedicated program staff and Language Line services available	No change to rules; continue to provide support services
Streamline requirements that may deter participation (permits, inspections, documentation) (3 comments)	Requirements under review; some are legally required; adjustments may be evaluated	No change to rules; adjustments may be evaluated



Recommendation

- Request Committee's recommendation to the Board to adopt and approve the final rulemakings: House by House Lead Pipe Replacement Assistance Program (LPRAP) and Priority Full Replacement Program



Fact Sheet: Contract No. A57200 Water Program Manager

William Elledge
Director | Capital Water and Lead Free DC

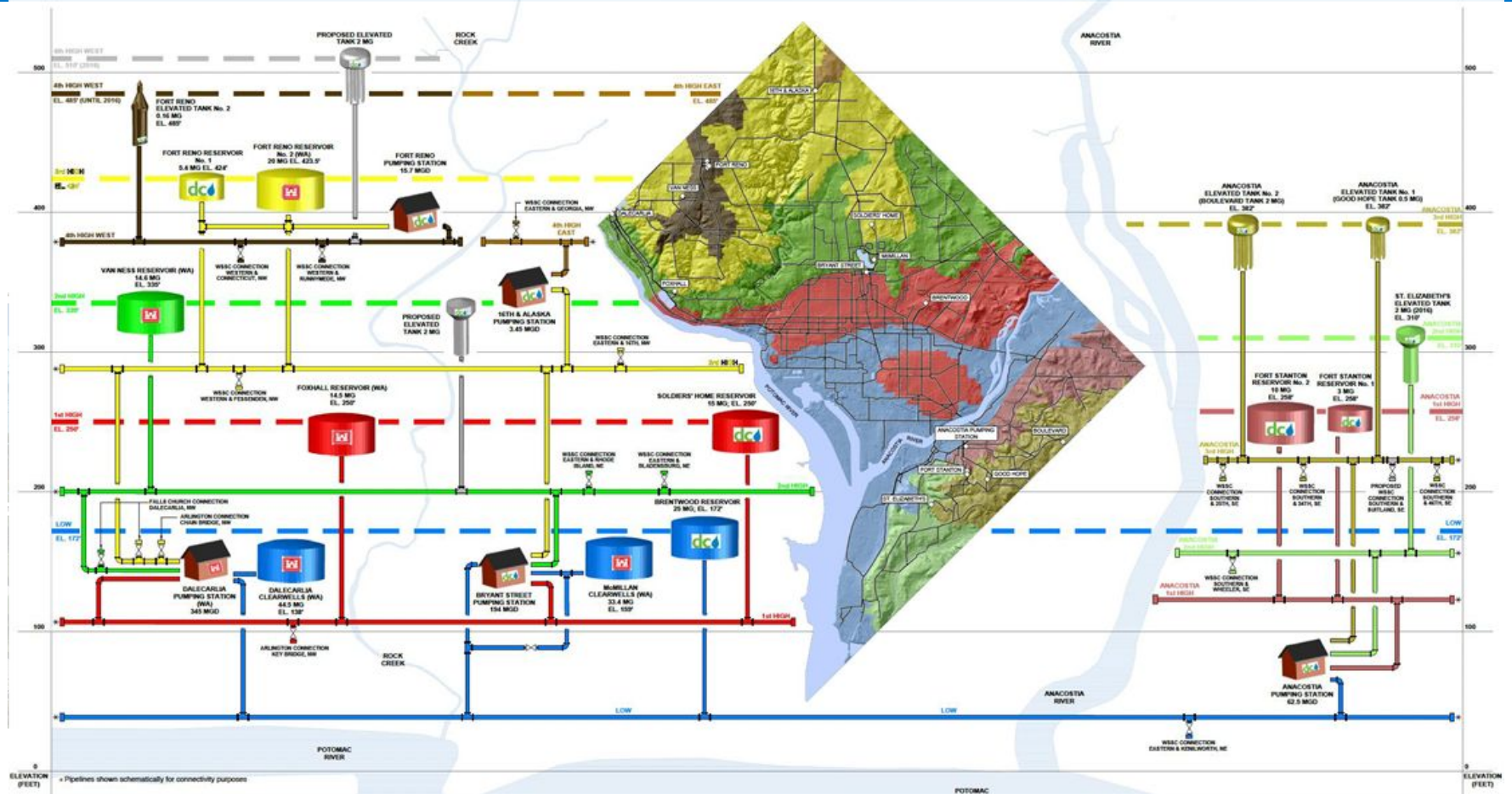


Purpose

- Request Committee's recommendation to the Board for approval of award and authorization to execute the following contract:
 - A new water program management contract valued at \$80M to provide funding for five years (3 base years and 2 option years)
 - Total Program value is \$420M

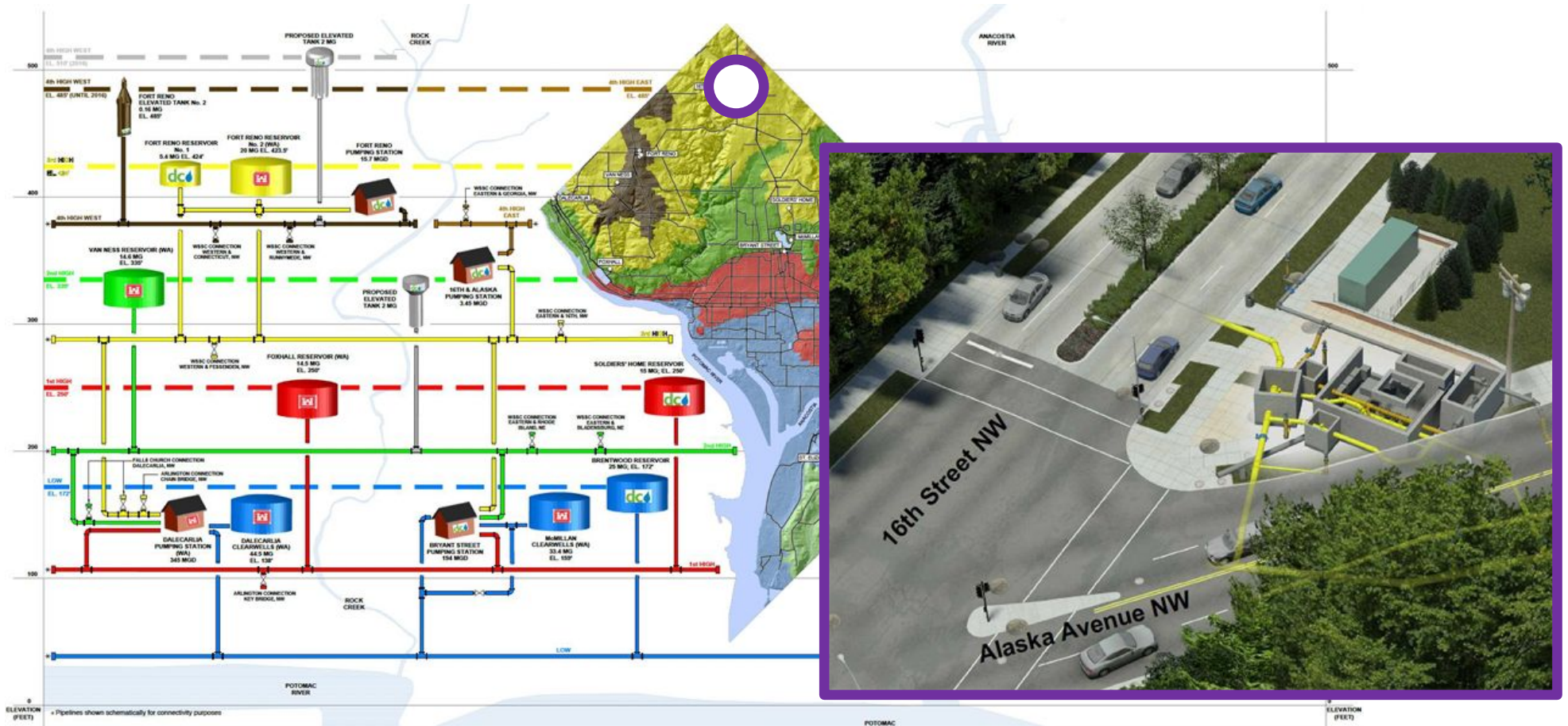


Scope



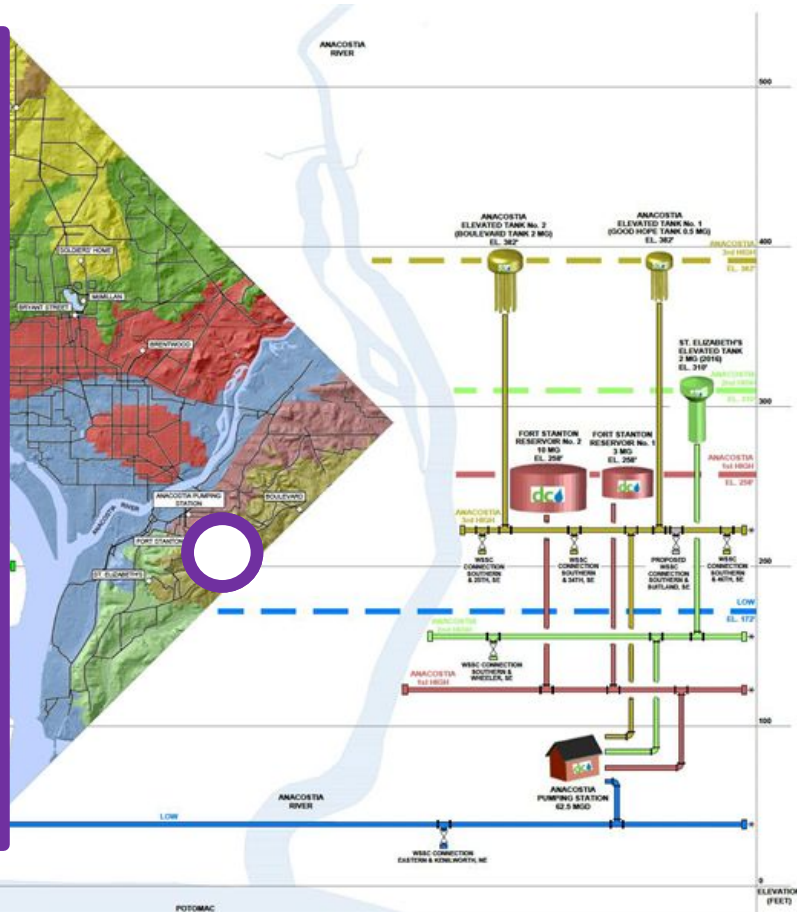
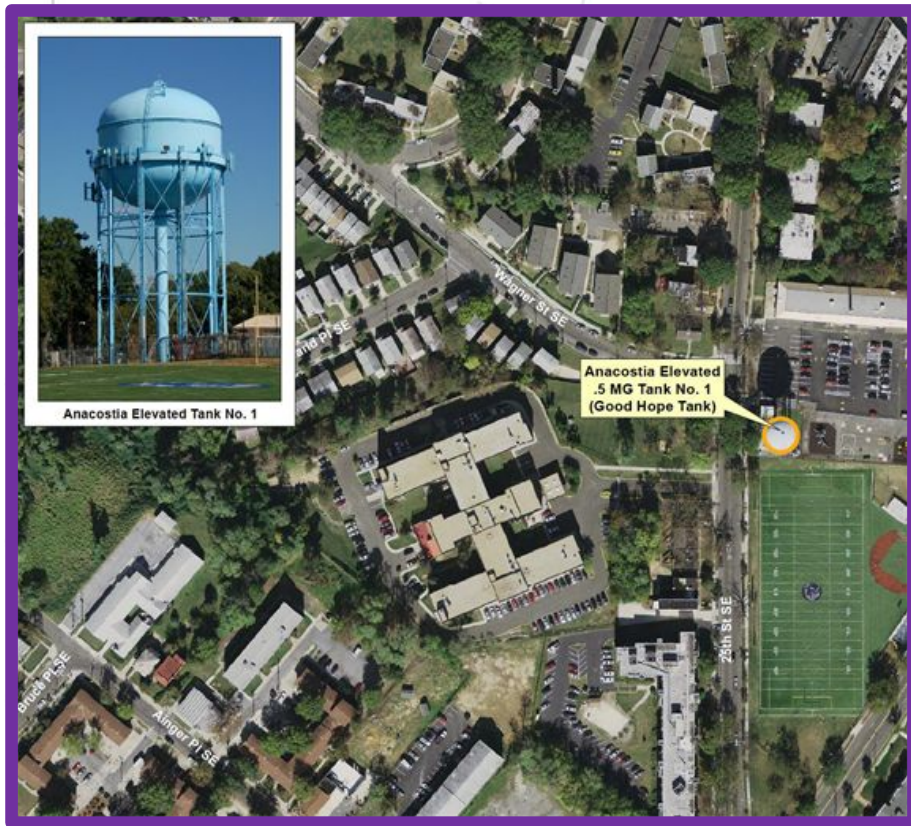


Scope





Scope



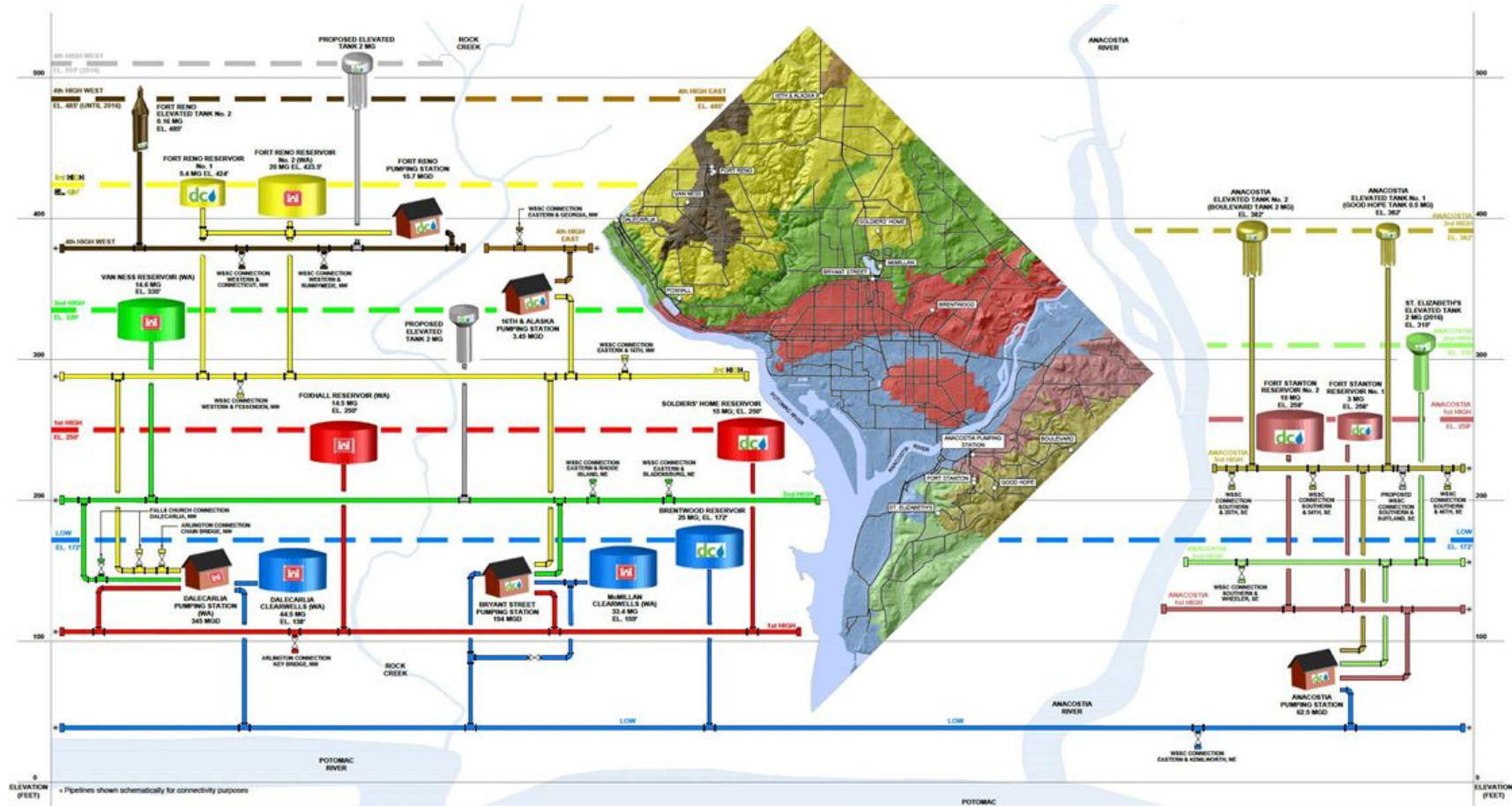


Scope





Scope





Scope

Scope of Work:

- Provide general program management functions
- Assist DC Water in the collaborative delivery of the capital improvement program; serve as Design Build Owner Advisor
- Provide engineering and related services
- Provide general support for planned inspections and condition assessment programs
- Provide Construction Management Services
- Augment DC Water staff
- Provide technical support for operation's departments
- Coordinate with other programs



Recommendation

- Request Committee's recommendation to the Board for approval of award and authorization to execute the following contract:
 - A new water program management contract valued at \$80M to provide funding for five years (3 base years and 2 option years)



Fact Sheet: Contract No. 10638 Electric Energy Services and Electricity, Generation and Transmission

Electricity Solicitation: Strategic Procurement Overview

John Papajohn

Director | Procurement, Goods and Services



Purpose

Request Committee's recommendation to the Board for approval of award and authorization to execute the following two (separate) actions:

- 1) Approval and authorization to execute an award for Electricity Services
 - Total Amount: \$129.3M (Not-To-Exceed)
 - Duration: Five Year Base Period, plus Five One-Year Options
- 2) Approval to execute a modification of the existing Electricity Contract for additional funding and extend services for Two months.
 - Total Amount: \$16.5M (Not-To-Exceed)
 - Duration: Two Months



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markets

36 TWh
of electricity
12.9 Bcf
of natural gas

\$2.8 Billion
Under
Management

4,800 MW
of renewable
energy purchases

12,000

1,000 MW
of demand response and
customer generation

Client
Locations

Their Services



ENERGY MANAGEMENT



ENERGY PROCUREMENT



ENERGY SUSTAINABILITY



SUPPORT SERVICES



ENERGY RISK
MANAGEMENT



ON SITE ELECTRICITY
GENERATION



RENEWABLE ENERGY
CONSULTING



DEMAND RESPONSE



Strategic Imperatives and Risk Management

The background image is an aerial view of the Blue Plains Advanced Wastewater Treatment Plant. It shows large industrial buildings, numerous cylindrical storage tanks, and a complex network of pipes and walkways. In the distance, a wide river (the Anacostia River) flows under a multi-arched bridge, with a city skyline visible on the far bank.

**Powering Public Health
& Environmental
Protection**

24/7 Operations:
Continuous water
treatment and pumping
require uninterrupted
high-voltage electricity.

**Blue Plains Advanced
Wastewater Treatment
Plant:** One of the largest
energy consumers in the
Washington metropolitan
area.

**Pumping &
Distribution:** Significant
power required to
distribute clean water
and collect wastewater
across the District.

**Environmental
Mandates:** Energy
reliability directly
impacts compliance
with EPA clean water
standards.



Background – Current Contract Status & Vulnerabilities

DRIVING THE NEED FOR A NEW AGREEMENT





Background – The Evolving Energy Marketplace

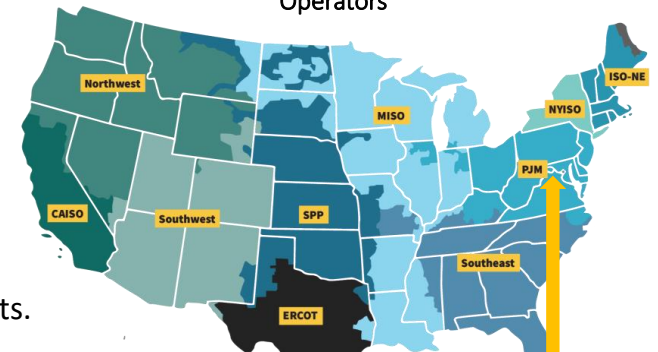
A Decade of Structural Sector Transformation (2013–2026)

Congress and **FERC** have restructured wholesale electric power markets to break traditional utility monopolies and expand regional market competitiveness.

- **Market Entry:** Congress enabled new generators to compete with traditional utilities.
- **FERC Order 719-A:** Federal regulations actively boost competition in wholesale markets.
- **Demand Response:** New rules mandate better integration of demand resources.
- **Long-Term Contracts:** Policy encourages long-term commitments to stabilize procurement.
- **Stronger Oversight:** Regulations enhance market monitoring and RTO/ISO responsiveness.

Regional Transmission Organizations (RTOs) and Independent System Operators (ISOs) are federally regulated, non-profit entities that act as the "air traffic controllers" of the power grid. They do not own power plants or lines; instead, they balance electricity supply and demand second-by-second and operate competitive wholesale markets to ensure grid reliability

Regional Transmission Organizations/Independent System Operators



The specific RTO managing the electricity grid and wholesale markets in the local region is **PJM Interconnection (PJM)**. PJM manages the grid across all or parts of 13 states and Washington, D.C.



Strategic Imperatives and Risk Management

Balancing Budget Certainty vs. Market Exposure

- **The Fundamental Problem:** DC Water is directly exposed to energy market price fluctuations.
- **The Risk Tradeoff:** Balancing strict budget certainty against achieving the lowest likely market cost.
- **Strategic Considerations:**
 - How to best ensure flexibility in managing day to day and month to month volumetric uncertainty without incurring penalties for unexpected usage increases or decreases.
 - Ensure ability to manage longer term consumption.
- **Sustainability Planning:** Contract must preserve flexibility for potential future zero-carbon regulatory mandates.



Strategic Imperatives and Risk Management

Implement a Data-Driven Strategy to Lower Risk and Cost

- **Reject Fixed-Price Structure:** Avoid locking in long-term rates now as the market sits at a cyclical peak. A block and index product allows DC Water the flexibility, at its sole discretion, when to fix its price of electricity.
- **Maintain Block & Index Strategy:** Optimize procurement by splitting DC Water's large energy load into a hybrid framework that balances budget certainty with market flexibility.

The Block (Fixed Price): Secure a set volume of baseline power at a guaranteed rate to shield operations from market spikes and ensure predictable utility costs.

The Index (Market Price): Bill variable energy used beyond the block at prevailing wholesale market rates to capture savings during lower regional demand.

Strategic Value

- **Mitigates Implementation Risk:** Align with the current, proven Constellation framework to preserve historical operational efficiencies.
- **Optimizes Volume Flexibility:** Scale dynamically to accommodate unpredictable load changes from severe weather or stormwater surges without triggering volumetric penalty clauses.
- **Fulfills Fiduciary Responsibility:** Stabilize structural operational expenditures (OpEx) while protecting long-term retail ratepayer stability against market volatility.



Procurement Process

DC Water Electricity Services Procurement Timeline & Process

1. Solicitation & Outreach (Nov 2025 – Nov 2025)

- **Issue Date:** Solicitation was issued on **November 11, 2025**, as a competitive Request for Proposal (RFP).
- **Pre-Bid Session:** Briefed potential suppliers via Microsoft Teams later that month to clarify the scope.

2. Proposal Submission (Jan 2026 – Jan 2026)

- **Original Deadline:** Initially set for **January 23, 2026**, for technical and cost proposals.
- **Extended Deadline:** Shifted to **January 30, 2026**, following an amendment to the active solicitation.

3. Evaluation & Compliance Review (Feb 2026 – May 2026)

- **Technical Evaluation:** Reviewed market capabilities for wholesale and retail electricity generation and transmission.
 - Evaluated all submitted proposals against baseline mandatory requirements.
 - Scored respondents using pre-established objective technical criteria.
 - Down-selected the highest-scoring firms to create a competitive shortlist.

4. Shortlist Detailed Evaluation (Feb 2026 – May 2026)

- Conducted deep-dive assessments of the finalist firms.
- Evaluated final best-and-final offers (BAFOs) from the shortlisted firms.
 - Identified the highest-ranked vendor meeting all critical project goals.
 - Named the apparent awardee to initiate contract negotiations.



Procurement Process

Evaluation Framework & Criteria

Structured Selection Process Focused on Technical Excellence

Initial Scoring

- **Pricing Component (35%):** Suppliers provided both fixed price and block and index structures for initial evaluation
- **Contract Terms and Conditions (20%):** Evaluation of the supplier's base contract forms provided with the initial RFP response
- **Company Qualifications and Experience (15%):** The supplier having the capability and experience to serve an energy intensive operation
- **Customer Support and Billing (15%):** Supplier's support structure to serve DC Water along with data and invoicing features
- **Customer References and Case Studies (15%):** Examples of the supplier serving a large load in the public sector category

Down Selected Stage Scoring:

- **Technical Evaluation (60%):** Strongest weight to ensure operational resilience, supply security, and vendor capability.
- **Price Component (20%):** Focuses on the negotiable pricing components, which represent a smaller part of total cost.
- **Terms & Conditions (20%):** Fresh T&Cs to be negotiated based on the final structural product offer.



Procurement Process

Competitive Vendor Evaluation

- **Total Respondents:** 8 firms submitted proposals.
 - **Special Submissions:** 1 firm included an alternate proposal.
 - **Final Outcome:** 1 winning firm selected after two evaluation rounds.
- **Phase 1: Initial Evaluation & Down-Selection**
 - **Total Proposals Reviewed:** 9 options (8 base proposals + 1 alternate).
 - **Alternate Proposal Status:** Rejected during the first round.
 - **Down-Selection Outcome:** Narrowed the field from 8 firms to 4.
- **Phase 2: Final Evaluation & Selection**
 - **Shortlisted Competitors:** 4 remaining firms evaluated.
 - **Rigorous Assessment:** Comprehensive review of second-round submissions.
 - **Final Selection:** Selected awardee identified based on evaluation criteria.
 - Second round Evaluation Scores were relatively close and ranged from 83.6 to 94.8 (out of 100)



Recommendation and Next Steps

Request Committee's recommendation to the Board for approval of award and authorization to execute the following contract:

- **Approval #1:** Authorize the General Manager to award the contract to the top-ranked vendor.
- **Approval #2:** Authorize the General Manager to execute a modification to extend the current contract for 2 months and add additional funds to the existing contract to cover the increased cost for electricity.

Next Steps:

- **July–August 2026:** Finalize terms, conditions, and Block & Index pricing structures.
- **September 2026:** Final contract execution.
- **December 2026:** New energy supply contract goes live.

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT NEW AWARD

**Electric Energy Services and Electricity Generation and Transmission
(Joint Use Direct)**

Approval of award and authorization to exercise a contract in the amount of \$129,373,271.00 for a base period of four (4) years and 10 months with up to five (5) one-year options.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Direct Energy Business, LLC (aka NRG) 804 Carnegie Center Princeton, NJ 08540	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Base Year Contract Value:	\$129,373,271.00
Base Year Contract Dates:	12-01-2026 — 09-30-2031
No. of Option Years in Contract:	5
Option Years Dates:	10-01-2031 — 09-30-2036
Total Number of Proposals:	9

Purpose of the Contract:

This contract is to provide full requirements for retail electricity services to DC Water. Specifically, it covers the generation and transmission of electricity to DC Water's seven largest metered locations in the District of Columbia.

Contract Scope:

The contract scope includes purchasing of electric energy and PJM ancillary services for the seven main designated accounts. Additionally, the service provider will deliver strategic market information. Under DC Water's direction, the provider will solicit bids and purchase blocks of capacity and energy from the PJM wholesale market. These block purchases pass through to DC Water at the supplier's actual cost.

Financially, 85% of the contract services support the Department of Wastewater Treatment Operations, and 15% support the Department of Water and Sewer Operations. This contract action exercises the base period only; option years may be exercised annually.

Solicitation

Eight companies responded to DC Water's formal RFP for electricity supply, which was released on November 11, 2025 and closed on February 27, 2026. Because one bidder submitted two distinct variations, the team evaluated a total of nine proposals. The DC Water evaluation committee narrowed these down to a shortlist of four vendors: Constellation (the incumbent), NRG, WGL and BP. Following a second round of negotiations focused on a day-ahead-only block and index product—alongside a detailed review of supplier pricing and contract terms—NRG emerged as the highest-rated vendor and is recommended for the award.

BUDGET INFORMATION**PROCUREMENT INFORMATION**

Contract Type:	Goods & Services	Award Based On:	Highest Rated
Commodity:	Electricity Services	Contract Number:	10638
Contractor Market:	Energy Services		

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION (DIRECT)

User - Operating	Share %	Dollar Amount
District of Columbia	41.52%	\$45,658,415.00
Washington Suburban Sanitary Commission	42.58%	\$46,824,068.00
Fairfax County	10.17%	\$11,183,672.00
Loudoun Water	5.02%	\$5,520,357.00
Other (PI)	0.71%	\$780,768.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$109,967,280.00

BUDGET INFORMATION

Funding:	Operating	Department:	Water and Sewer Operations
Service Area:	DC Water Pump Stations (Anacostia, Eastside, Potomac, Bryant St., Main and O Street)	Department Head:	Chris Collier

ESTIMATED USER SHARE INFORMATION (INDIRECT)

User - Operating	Share %	Dollar Amount
District of Columbia	61.76%	\$11,985,140.00
Washington Suburban Sanitary Commission	20.11%	\$3,902,545.00
Fairfax County	10.18%	\$1,975,530.00
Loudoun Water	6.86%	\$1,331,251.00
Other (PI)	1.09%	\$211,525.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$19,405,991.00

COMBINED ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	44.55%	\$57,643,555.00
Washington Suburban Sanitary Commission	39.21%	\$50,726,613.00
Fairfax County	10.17%	\$13,159,202.00
Loudoun Water	5.30%	\$6,851,608.00
Potomac Interceptor	0.77%	\$992,293.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$129,373,271.00

DocuSigned by:

Matthew Brown

7/8/2026

Matthew Brown
Chief Operating Officer & Executive Vice-President

Signed by:

Lola Oyeemi

7/8/2026

Lola Oyeemi
Acting CFO and EVP of Finance, Procurement and Compliance and Vice President, Budget

DocuSigned by:

Korey Gray

7/8/2026

Korey Gray
VP Compliance and Chief Procurement Officer

Matthew T. Brown
Interim CEO and General Manager

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT ADDITIONAL FUNDING

**CONSTELLATION NEW ENERGY, INC.
(Joint use Direct)**

Approval to exercise a contract modification to add funds and extend Option Year 7 for Electric Energy Services and associated Energy Generation and Transmission Services in the amount of \$16,096,843.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Constellation New Energy, Inc. 100 Summit Lake Drive, Suite 410 Valhalla, NY 10595	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Base Year – Option Year 3 Value:	\$91,375,000.00
Base Year – Option Year 3 Dates:	03-12-2014 – 03-11-2022
Option Year 3 – Option Year 6 Value:	\$73,043,862.00
Option Year 3 – Option Year 6 Dates:	10-01-2021 – 09-30-2025
Option Year 7 Value:	\$22,750,713.25
Option Year 7 Dates:	10-01-2025 – 09-30-2026
Option Year 7 Modification Value:	\$11,546,892.00
Option Year 7 Dates:	04/01/2026 – 09/30/2026
Option Year 7 Extension Value:	\$4,549,951.00
Option Year 7 Extension Dates:	10-01-2026 – 11-30-2026

Purpose of the Contract:

DC Water requires the services of a qualified firm to fulfill its ongoing need for retail electricity services, electricity generation, and transmission. This contract provides the Departments of Wastewater Treatment Operations and Water and Sewer Operations with electricity services and purchased electrical generation capacity. Additionally, this contract grants DC Water access to the Pennsylvania-New Jersey-Maryland (PJM) wholesale competitive electric market to meet the energy needs of its seven (7) major metered locations in the District of Columbia. The supplemental funds for Option Year 7 are necessary due to rising electricity costs. Furthermore, the two-month extension will enable DC Water to transition smoothly to a new long-term vendor.

Contract Scope:

The DC Water electric energy services contract encompasses energy market intelligence, and the procurement of electricity and associated PJM Interconnection ancillary services for seven designated accounts. At the direction of DC Water, the service provider solicits bids for and purchases blocks of energy and capacity directly from the PJM wholesale market. The cost of these block purchases is passed through to DC Water at the electricity supplier's actual cost. Contracted services are allocated as follows:

- **85%** dedicated to Wastewater Treatment Operations
- **15%** dedicated to Water and Sewer Operations

Spending Previous Years:

Cumulative Contract Value:	03-12-2014 to 09-30-2026: \$187,169,575.25
Cumulative Contract Spending:	03-12-2014 to 04-01-2026: \$184,883,353.25

Contractor's Past Performance:

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

PROCUREMENT INFORMATION

Contract Type:	Goods & Services	Award Based On:	Highest Ranked
Commodity:	Electricity Services	Contract Number:	10240
Contractor Market:	Energy Services		

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION (DIRECT)

User - Operating	Share %	Dollar Amount
District of Columbia	41.52%	\$5,680,897.83
Washington Suburban Sanitary Commission	42.58%	\$5,825,930.39
Fairfax County	10.17%	\$1,391,491.59
Loudoun Water	5.02%	\$686,852.29
Other (PI)	0.71%	\$97,144.45
TOTAL ESTIMATED DOLLAR AMOUNT	100%	\$13,682,316.55

BUDGET INFORMATION

Funding:	Operating	Department:	Water and Sewer Operations
Service Area:	DC Water Pump Stations (Anacostia, Eastside, Potomac, Bryant St., Main and O Street)	Department Head:	Chris Collier

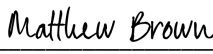
ESTIMATED USER SHARE INFORMATION (INDIRECT)

User - Operating	Share %	Dollar Amount
District of Columbia	61.76%	\$1,491,211.54
Washington Suburban Sanitary Commission	20.11%	\$485,561.27
Fairfax County	10.18%	\$245,798.79
Loudoun Water	6.86%	\$165,636.51
Other (PI)	1.09%	\$26,318.34
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$2,414,526.45

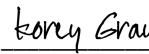
COMBINED SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	44.55%	\$7,172,109.37
Washington Suburban Sanitary Commission	39.21%	\$6,311,491.66
Fairfax County	10.17%	\$1,637,290.39
Loudoun Water	5.30%	\$852,488.81
Other (PI)	0.77%	\$123,462.79
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$16,096,843.00

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 / 7/8/2026
 Matthew P. Brown Date
 Chief Operating Officer and Executive Vice-President

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 / 7/8/2026
 Corey R. Gray Date
 VP Compliance and Chief Procurement Officer

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olade oyeemi

/ 7/8/2026

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Olade Oyeemi

Date

Acting CFO & EVP of Finance, procurement &
Compliance, and Vice President, Budget

Matthew T. Brown

Interim CEO and General Manager

Date

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD

Industrial High Pressure and High Vacuum Truck Services

(Joint use Direct)

Approval of award and authorization to execute IDIQ contracts for Industrial High Pressure and High Vacuum Truck Services in the amount not to exceed \$7,400,000.00 for two base years and three option years.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Reviera Enterprises LLC. (DBE) 7600 Penn Belt Dr, Forestville, MD 20747	NONE	DBE: 100%
Jet Blast Inc. (DBE) 6800 For Smallwood Rd, Baltimore, MD 21226		
Carter & Carter Enterprise Inc. (DBE) 212 Van Buren St. NW, Washington, DC 20012		

DESCRIPTION AND PURPOSE

Base Years 1-2 Value:	\$2,600,000.00
Base Years 1-2 Dates:	10-01-2026 – 09-30-2028
Option Years 1–3 Value:	\$4,800,000.00
Option Years 1–3 Dates:	10-01-2028 – 09-30-2031
Total No. of Proposals:	3
Proposal Price Range:	\$5.5M – \$7.4M

Purpose of the Contract:

This contract is for qualified Industrial High Pressure & High Vacuum Truck Services contractors to provide inspection, cleaning, and removal of sediment, scum, grit, screenings, general processing debris, and other materials from drains, channels, stormwater pump stations and catch basins, sump pits, wet wells, centrifuges, conveyance systems, screens, process tanks, storage tanks, and associated piping throughout the Blue Plains facility.

Contract Scope:

To provide inspection, cleaning, and removal of sediment, scum, grit, screenings, general processing debris, and other materials from drains, channels, stormwater pump stations and catch basins, sump pits, wet wells, centrifuges, conveyance systems, screens, process tanks, storage tanks, and associated piping throughout the Blue Plains facility.

Supplier Selection:

The request for proposal (RFP) number was issued to the open market March 16, 2026, and closed on April 10, 2026. A mandatory site visit was held at DC Water's Blue Plains Advanced Wastewater Treatment Plant (BPAWWTP) on March 25, 2026. Three (3) responses to this solicitation were received and those three vendors will each be awarded to ensure competition and redundancy.

The awarded vendors were selected based on technical expertise, experience and compliance with contract requirements.

PROCUREMENT INFORMATION

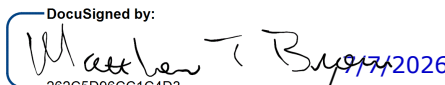
Contract Type:	Goods and Services	Award Based On:	Best Value
Commodity:	Maintenance Services	Contract Numbers:	10631, 10633, 10634
Contractor Market:	Open Market with DBE/WBE Goals		

BUDGET INFORMATION

Funding:	Operating	Department:	Waste Water Treatment
Project Area:	DC Water Facilities	Department Head:	Chanda Albrittain

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	41.52%	\$3,072,480.00
Washington Suburban Sanitary Commission	42.58%	\$3,150,920.00
Fairfax County	10.17%	\$752,580.00
Loudoun Water	5.02%	\$371,480.00
Other (PI)	0.71%	\$52,540.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$7,400,000.00

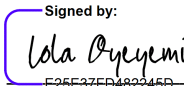
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 Matthew T. Brown
 Chief Operation Officer & Executive
 Vice-President

Date

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 Korey Gray
 Vice-President &
 Chief Procurement Officer

Date

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 Lola Oyeyemi
 Acting CFO & EVP
 Finance, Procurement & Compliance,
 and Vice President, Budget

Date

Matthew T. Brown
 Interim CEO and General Manager

Date

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT NEW AWARD

MICROSOFT ENTERPRISE LICENSES AGREEMENT

(Joint Use Indirect)

Approval of award and authorization to execute contract for Microsoft Enterprise Licenses for three years in the amount of \$8,465,460.00.

CONTRACTOR/SUB/VENDOR INFORMATION

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

Award Contract Value:	\$8,465,460.00
Award Contract Dates:	10-01-2026—09-30-2029
No. of Option Years in Contract:	0
Total Number of Proposals:	2
Proposal Price Range	\$8,465,460.00 - \$8,585,650.00

Purpose of the Contract:

To provide Microsoft licenses and annual software maintenance. Various Microsoft Suite products are used throughout the District of Columbia Water and Sewer Authority.

Contract Scope:

The agreement allows for software licenses and Microsoft Suite products to be purchased for the next three-year period including tools such as Microsoft Office, Teams, Visio, SQL Server, Azure, Power BI, Project, among others. The actual contract amount will be awarded annually via issuance of a Purchase Order.

Solicitation:

The procurement method utilized was a Request for Quotation (RFQ) limited to Certified Microsoft Gold Partners, which is DC Water's minimum required qualification to support our Microsoft environment. The RFQ, DCW-SOL-26-10577, was released on May 12, 2026, and it closed on June 5, 2026. Two vendors, SHI Intl and Dell Marketing, provided responses. Subsequent to receipt of Best and Final Offers, Dell Marketing was selected for award based on being the lowest-priced vendor.

PROCUREMENT INFORMATION

Contract Type:	Goods and Services	Award Based On:	Lowest Price
Commodity:	Software License Renewal	Contract Number:	10637
Contractor Market:	Limited Market (Microsoft Certified Resellers)		

BUDGET INFORMATION

Funding:	Capital Equipment	Department:	Information Technology
Project Area:	DC Water Wide	Department Head:	Dotun Olawunmi

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	65.63%	\$5,555,881.40
Washington Suburban Sanitary Commission	25.02%	\$2,118,058.09
Fairfax County	5.98%	\$506,234.51
Loudoun Water	2.95%	\$249,731.07
Potomac Interceptor	0.42%	\$35,554.93
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$8,465,460.00

Signed by:

Jesse Hillman / 7/8/2026
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 Jesse Hillman Date

Chief Information Officer and Executive Vice President

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Korey Gray / 7/8/2026
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 Korey Gray Date

VP Compliance and Chief Procurement Officer

Signed by:

Olade Oyeyemi / 7/8/2026
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 Lola Oyeyemi Date

Interim CFO and EVP of
 Finance, Procurement and Compliance and
 Vice President Budget

 Matthew Brown Date
 Interim CEO and General Manager

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

ACTION REQUESTED

ENGINEERING SERVICES:

Water Program Management Consultant (Non-Joint Use)

Approval of award and authorization to execute an architectural and engineering services contract not to exceed \$79,075,000 for the contract period of three years plus two renewal periods of one year each. The renewal periods will be approved at DC Water's sole discretion.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
HDR Engineering, Inc	Blue Cypress Consulting, LLC	
One M Street SE	Decatur, GA DBE	2.0%
Suite 250	DM Enterprises of Baltimore, LLC	
Washington, DC 20003	Baltimore, MD DBE	3.0%
	EBA Engineering Inc.	
	Laurel, MD DBE	4.0%
	FOXXSTEM DC LLC	
	Washington, DC DBE	6.0%
	InterAgency, Inc	
	Washington, DC DBE	6.0%
	PSI Engineering	
	Washington, DC DBE	4.0%
	River to Tap, Inc.(R2T)	
	Philadelphia, PA WBE	2.0%
	SZ PM Consultants, Inc.	
	Washington, DC WBE	2.0%
	V & A Consulting Engineers	
	Baltimore, MD WBE	2.0%
	Wave Civil LLC	
	Alexandria, VA DBE	3.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: Contract	\$79,075,000.00
Time:	1,096 Days (3 Years, 0 Months)
Option Years	2
Anticipated Contract Start Date:	10-01-2026
Anticipated Contract Completion Date:	09-30-2031 (Including 2 Option Years)
Other Proposals received from:	

AtkinsRealis

AECOM Technical Services, Inc

Hazen-Jacobs (Joint Venture)*

* Asterisk indicates short listed firms.

Purpose of the Contract:

Provide program management, owner advisor services, and construction management services required to plan and execute the Capital Improvement Program (CIP) and non-CIP tasks; provide design services, staff augmentation, and operations support in the Water Service Area; and serve as the owner advisor for collaborative project delivery.

Contract Scope:

- Provide general program management functions.
- Assist DC Water in the delivery of the capital improvement program.
- Provide technical and engineering services, including:
 - Design and design reviews,
 - Maintenance of Water hydraulic model,
 - Geographic Information System (GIS) support, and
 - Other as directed.
- Provide general support for planned inspections and condition assessment programs, including opportunistic surveys, and survey of cathodic protection systems.
- Serve as Owner Advisor for all new collaborative delivery projects executed in the Water Service Area.
- Provide Construction Management Services for non-collaborative delivery projects..
- Augment DC Water staff with experienced & qualified technical resources, project managers and construction managers.
- Support operational departments to:
 - Develop and implement agreed-upon tactics to identify and reduce real and apparent losses from DC Water's distribution system.
 - Provide technical support and engineering response during emergencies.
 - Provide technical support to Operations Department.
- Coordinate with other programs; Lead Free DC (LFDC) and Small Diameter Watermain (SDWM) Program Management team(s) and Pure Water DC.

PROCUREMENT INFORMATION

Contract Type:	Cost-Plus Fixed Fee	Award Based On:	Best Value
Commodity:	Professional Services	Contract Number:	DCFA #572-WSA
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Water Program and Lead Free DC
Service Area:	Water	Department Head:	William Elledge
Project:	NU, S8		

ESTIMATED USER SHARE INFORMATION

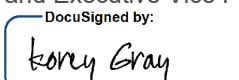
User	Share %	Dollar Amount
District of Columbia	100.00%	\$79,075,000.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$79,075,000.00

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 Chief Operating Officer
 and Executive Vice President

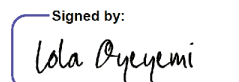
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 Korey R. Gray
 Vice President of Compliance
 and Chief Procurement Officer

7/8/2026

Date

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 Lola Oyeyemi
 Acting Chief Financial Officer
 and Vice President, Budget

7/8/2026

Date

 Matthew T. Brown
 Interim Chief Executive Officer
 and General Manager

Date

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

ACTION REQUESTED

CONSTRUCTION CONTRACT CHANGE ORDER:

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

Approval to execute Change Order No. 02 for \$4,512,248.00 The modification exceeds the Chief Executive Officer's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of DC Inc. 2211 Channing Street NE Washington, DC 20018	United Construction Services LLC Upper Marlboro, MD DBE	10.0%
	Royal Construction Materials McLean, VA WBE	6.0%
	Omni Excavators, Inc. Washington, DC DBE	10.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$29,331,337.00
Value of this Change Order:	\$ 4,512,248.00
Cumulative CO Value, including this CO:	\$26,757,272.00
Current Contract Value, including this CO:	\$56,088,609.00
Original Contract Time:	1,095 Days (3 Years)
No of Option Years in Contract:	1
Option Years Exercised:	1
Time extension, this CO:	0 Days
Total CO contract time extension:	0 Days
Contract Start Date (NTP):	10-01-2022
Anticipated Contract Completion Date:	09-30-2026 (Including Option Years)
Cumulative CO % of Original Contract:	91%
Contract completion %:	94%

Purpose of the Contract:

This contract provides emergency response on 24/7 basis and 365 days per year in repairing and rehabilitating DC Water's existing water assets throughout the distribution system in and outside the public space within the District of Columbia. As emergencies are identified and reported to the Command Center, the location is investigated, and a work order is created to address the emergency. A scope of work is developed and issued to the contractor on a task order basis as needed by DC Water.

Original Contract Scope:

- Emergency repair/rehabilitation of various size water mains.
- Rehabilitation and replacement of several types of valves, valve castings and valve boxes.
- Rehabilitation and replacement of fire hydrants, fire hydrants lead.
- Emergency lead service line replacements in public and private space.
- Rehabilitation and replacement of water service lines in public spaces.
- CIPP lining of tributary and distribution water mains.
- Robotic/CCTV- Pipe Condition Assessment (PCA) of water main Inspection.

Previous Change Order Scope:

- Due to increased work activities associated with the aging infrastructures. There have been substantial increases in water main breaks, valve replacements, service line repairs and replacements and system rehabilitation projects which were greater than originally anticipated.
- These increases occurred throughout the contract period; however, the winter seasons particularly generated an unprecedented number of water main breaks and other system related challenges.

Current Change Order Scope:

- Due to increased repair activities and system rehabilitation projects that exceed the original projections under the contract. There have been significant increases in water main breaks, valve replacements, and special engineering projects that were large in scope and complexity.
- Due to the aging infrastructure, the elevated level of work activities is expected to remain. Just in FY25 and FY26, more than 500 valves were replaced, and several special projects were executed.
- These activities and the associated costs have nearly exhausted the contract limit and necessitated this change order to complete the remaining contract period.
- A competitive bidding process was completed, and a new contract will begin on October 1, 2026.

PROCUREMENT INFORMATION

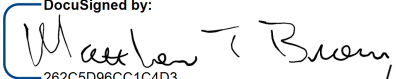
Contract Type:	Unit Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	220110
Contractor Market:	Open Market		

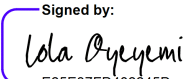
BUDGET INFORMATION

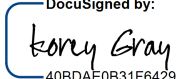
Funding:	Capital	Department:	Water & Sewer Operations
Service Area:	Water	Department Head:	Chris Collier
Project:	KZ, BW		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100%	\$4,512,248.00
Washington Suburban Sanitary Commission	0%	\$0
Fairfax County	0%	\$0
Loudoun County & Potomac Interceptor	0%	\$0
Total Estimated Dollar Amount	100.00%	\$ 4,512,248.00

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 Matthew T. Brown
 Chief Operating Officer
 and Executive Vice President

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 Korey R. Gray
 Vice President of Compliance
 and Chief Procurement Officer

 Date
 Matthew T. Brown
 Interim Chief Executive Officer
 and General Manager



District of Columbia Water and Sewer Authority Board of Directors

Environmental Quality and Operations Committee September 17, 2026 / 9:30

Microsoft Teams meeting

[Click here to join the meeting](#)

Meeting ID: 262 334 429 345 25 Passcode: NG2WC3YL

Call in (audio only) [+1 202-753-6714,,923979921#](#)

Phone Conference ID: 923 979 921#

1. **Call to Order** _____ Christopher Herrington, Chairperson
2. **Roll Call** _____ Debra Mathis, Acting Board Secretary
3. **June 2026 Blue Plains Wastewater Treatment Plant Performance** _____ Nicholas Passarelli
4. **Potomac Interceptor Update** _____ Matthew Brown
Moussa Wone
5. **Automated Metering Update** _____ Chris Collier
6. **Federal and Local agency impacts to CIP projects** _____ Paul Guttridge
7. **Action Items** _____ Moussa Wone
John Papajohn
 - Joint Use**
 - a. TBD
 - Non-Joint Use**
 - b. TBD
8. **Agenda for October 2026 Committee Meeting** _____ Christopher Herrington
9. **Executive Session*** _____ Christopher Herrington
10. **Adjournment** _____ Christopher Herrington

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.



District of Columbia Water and Sewer Authority Board of Directors

Meeting of the Environmental Quality and Operations Committee – Executive Summary July 16, 2026 / 9:30am

Fire Hydrants Update

Status Report of Public Fire Hydrants for DC Water Services Committee - June 2, 2026

	March Cmte. Report (March 3, 2026)	April Cmte. Report (April 4, 2026)	May Cmte. Report (May 4, 2026)	June Cmte. Report (June 2, 2026)
Public Fire Hydrants:	9,865	9,871	9,871	9,860
In Service:	9,829	9,827	9,825	9,812
Marked Out-of-Service (OOS)	36	44	46	48
OOS - defective requiring repair/replacement	12	12	14	12
% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)	0.12%	0.12%	0.14%	0.12%
OOS - due to inaccessibility or temp construction work	24	32	32	36

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 June 2, 2026 48

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	1	1	1**	0	1**	8**	12
Defective								12

Breakdown of Others

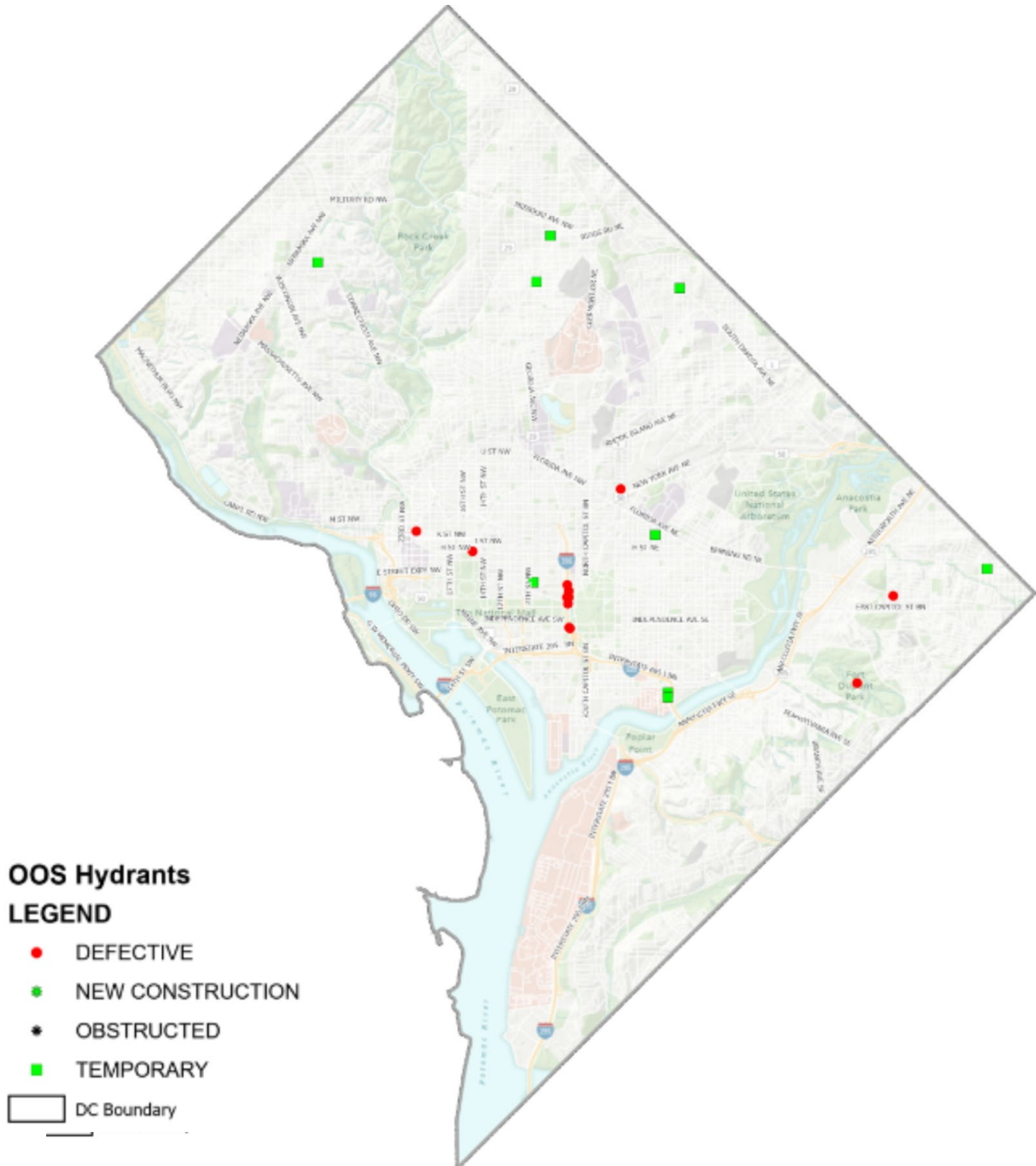
	0-7 Days	8-14 Days	15-30 Days	31-60 Days	61-90 Days	91-120 Days	> 120 Days	Total
Temporarily OOS as part of operations such as a main repair	0	0	2	1	6	0	0	9
Construction* - OOS	0	8	0	0	0	0	19	27
Obstructed Hydrant – OOS hydrant due to operation impeded by an obstruction.	0	0	0	0	0	0	0	0
Others								36

*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

June 2, 2026





District of Columbia Water and Sewer Authority

Board of Directors

Meeting of the Environmental Quality and Operations Committee

– Executive Summary July 16, 2026 / 9:30am

House by House Rulemaking Public Comments: Action Item 3

Action Item 3: Recommend Board Approval to Publish Final Rules to Establish DC Water House by House Lead Pipe Replacement Assistance Program

Title 21 DCMR, WATER AND SANITATION, is amended by adding a new Chapter 42, DC WATER HOUSE BY HOUSE LEAD PIPE REPLACEMENT ASSISTANCE PROGRAM, to read as follows:

CHAPTER 42 DC WATER HOUSE BY HOUSE LEAD PIPE REPLACEMENT ASSISTANCE PROGRAM

- 4200 DC WATER HOUSE BY HOUSE LEAD PIPE REPLACEMENT ASSISTANCE PROGRAM**
- 4201 APPLICATION PROCESS**
- 4202 ELIGIBILITY**
- 4203 LEAD PIPE REPLACEMENT**
- 4204 BENEFITS**
- 4205 DENIAL OR REVOCATION OF BENEFITS**
- 4206 ADMINISTRATIVE APPEALS**
- 4299 DEFINITIONS**

4200 DC WATER HOUSE BY HOUSE LEAD PIPE REPLACEMENT ASSISTANCE PROGRAM

4200.1 DC Water adopts these regulations to establish and implement the requirements for the DC Water House by House (HBH) Lead Pipe Replacement Assistance Program (LPRAP) for eligible property owners to receive assistance to replace the eligible portion of the lead water service line.

4200.2 As defined in section 4299, the “eligible portion of the lead service line” is the portion of the lead water service line located on private property and/or any portion of the lead water service line remaining on public property after a partial lead water service line replacement.

4201 APPLICATION PROCESS

4201.1 To allow DC Water to determine the eligibility of an applicant to receive HBH LPRAP assistance, the District property owner or their authorized representative shall complete and submit to DC Water a HBH Lead Water Service Line Replacement Application (HBH LSLR Application).

- (a) For a property owned by one person, that property owner or their authorized representative to act on behalf of the property owner must complete and submit an HBH LSLR Application.
- (b) For a property owned by multiple persons, at least one of the property owners or an authorized representative to act on behalf of the property owners must complete and submit a HBH LSLR Application.
- (c) As a condition of eligibility, each applicant shall sign a release, or provide electronic acknowledgement, that authorizes DC Water to obtain or verify information necessary to process the HBH LSLR Application or for reporting purposes.
- (d) An applicant requesting HBH LPRAP assistance must mark “HBH LPRAP” on the HBH LSLR application and submit the completed application to DC Water through DC Water’s website or mail to:

DC Water - Private LSL Replacement Project
5000 Overlook Avenue, SW, COF Bldg., 5th Floor
Washington, DC 20032

4201.2 An authorized representative of the property owner(s) may apply on behalf of the property owner(s) if the representative provides:

- (a) A written document signed by a property owner designating the authorized representative to act on their behalf of the property owner(s); or
- (b) Other documentation that affirms that the authorized representative is authorized to act on their behalf of the property owner(s).

4201.3 After submitting the HBH LSLR Application, the applicant shall notify DC Water of any change in ownership of the property before the work begins.

4202 ELIGIBILITY

4202.1 To be eligible for a HBH LPRAP assistance, the applicant shall be the property owner or authorized representative of the property owner(s) of a property in the District of Columbia that has an eligible portion of the lead water service line.

- 4202.2 DC Water shall determine whether the property has an eligible portion of the lead water service line if the portion of the water service line on private property and/or the portion in public space remaining after a partial lead water service line replacement is confirmed to be a lead water service line.
- 4202.3 The material of the water service line on private property or remaining in public space after a partial lead water service line replacement shall be confirmed to be a lead water service line based on:
- (a) Information on DC Water’s Water Service Information Map (available at <https://dcwater.com/leadmap/>) designates the water service line material as “verified lead” on private property and/or the portion in public space remaining after a partial lead service line replacement;
 - (b) Information provided by the residential property owner or authorized representative confirms the water service line material located on private property and/or the portion in public space remaining after a partial lead water service line replacement is a lead water service line; or
 - (c) Information from the property owner’s contractors completed test pit that confirms the water service line material located on private property and/or the portion in public space remaining after a partial lead water service line replacement is a lead water service line.
- 4202.4 Each applicant shall cooperate fully in establishing eligibility by providing documentation or other proof of:
- (a) Property ownership by the applicant for the property to be benefited; and
 - (b) Additional information that DC Water may require, which is relevant to establishing eligibility.
- 4202.5 DC Water may obtain the information used in determining eligibility from any relevant sources.
- 4202.6 DC Water shall complete the eligibility and benefit determination within thirty (30) days after it receives a completed application, or, in the event of an unexpected or extenuating circumstance that affects DC Water, such as a natural disaster, as promptly thereafter as possible, except that the following shall toll the timeline:
- (a) An applicant’s failure to supply information to document facts stated in an application;

- (b) An applicant's refusal to permit DC Water to inspect their property, including the location inside where the pipe enters the structures;
- (c) DC Water's inability to make contact with an applicant after three (3) attempts;
- (d) Evidence of misrepresentation in an application;
- (e) A failure to respond by a third party from whom DC Water has requested necessary information and over whom DC Water has no control; or
- (f) A delay in receipt of necessary information over which DC Water has no control.

4202.7 DC Water shall notify the applicant of the eligibility and benefit determination, which shall expire within ninety (90) days or at the end of the fiscal year, whichever occurs first.

4202.8 If the lead pipe replacement is not completed within ninety (90) days from the date of approval or before the end of the fiscal year in which the application was approved, whichever occurs first, DC Water may require the applicant to reapply for HBH LPRAP assistance.

4203 LEAD PIPE REPLACEMENT

4203.1 An applicant approved for HBH LPRAP assistance shall complete the following actions to receive benefits:

- (a) Contract with a DC Water HBH LPRAP approved contractor;
- (b) Sign and date the estimate of the project costs, and the HBH LPRAP approved contractor shall submit the estimate along with all required documentation for the replacement of the eligible portion of the lead service line to DC Water for approval.
- (c) If the project cost estimate exceeds the reasonable caps in section 4204.2, DC Water may:
 - 1. Approve the estimate that exceeds the reasonable caps;
 - 2. Require the applicant to sign a statement acknowledging that costs that exceed the reasonable caps will not be covered by DC Water under HBH LPRAP Assistance Program and will be the sole responsibility of the property owner(s); or

3. Require the applicant to submit an additional estimate for further consideration.
- (d) Upon DC Water's approval of the estimate, obtain the District Department of Buildings required permits.
 - (e) Prior to initiating any field work, the applicant's HBH LPRAP approved contractor shall:
 1. Notify DC Water at least one (1) day prior to initiating an emergency repair/replacement work.
 2. Notify DC Water at least five (5) business days prior to initiating any field work for non-emergency replacement work.
 - (f) Notify DC Water of any change in ownership of the property before the work begins.
 - (g) Conduct a test pit or approved alternative test method and inspect the point of entry to confirm the water service line material;
 - (1) If the test pit or alternative method and point of entry inspection confirms the water service line material is not a lead water service line; STOP all service line replacement work and submit the report results (tap card), signed by the HBH LPRAP approved contractor, to DC Water within thirty (30) days.
 - (2) If the test pit or alternative method and point of entry inspection confirms the eligible portion of the water service line material is a lead water service line, complete the replacement of the lead water service line, keep the excavation open, notify DC Water to inspect the site and submit report (tap card), signed by the HBH LPRAP approved contractor, to DC Water within thirty (30) days of the replacement; and
 - (h) Within thirty (30) days of completing the test pit in (g)(1) or lead water service line replacement in (g)(2), submit the HBH LPRAP approved contractor's invoice for 1) the test pit costs or 2) the lead water service line replacement costs and any additional information required by DC Water.

4204

BENEFITS

4204.1 HBH LPRAP assistance is a one-time benefit per eligible District property, subject to the availability of funds:

- (a) DC Water shall pay 100% of the actual replacement costs to the DC Water HBH LPRAP approved contractor, which are subject to the reasonable caps provided in section 4204.2;
- (b) The HBH LPRAP assistance shall be provided to the HBH LPRAP approved contractor only after:
 - 1. The eligible applicant's HBH LPRAP approved contractor completes a test pit or approved alternative testing method and point of entry inspection and confirms the water service line is not lead and submits an invoice and any required documentation to DC Water within thirty (30) calendar days of completing the work; or
 - 2. The eligible applicant's HBH LPRAP approved contractor completes the test pit or approved alternative testing method and point of entry inspection and confirms the water service line is a lead water service line and the HBH LPRAP approved contractor:
 - (A) Completes the replacement of the eligible portion of the lead water service line and keeps the excavation open, pending DC Water's inspection;
 - (B) Notifies DC Water as soon as practicable of completion of the work to conduct the inspection;
 - (C) DC Water inspects the work; and
 - (D) The contractor submits an invoice and any required documents to DC Water within thirty (30) calendar days of completing the work.

4204.2 The project costs shall be in accordance with the following:

- (a) The reasonable caps on replacement costs by type of work shall be equal to:
 - (1) Three thousand six hundred dollars (\$3,600) for mobilization and demobilization work for a test pit or alternative testing method where the water service line is not a lead water service line;

- (2) Six thousand two hundred dollars (\$6,200) for mobilization, demobilization, identifying location of curb stop, test pit, excavation, backfill, restoration, penetration, and replacement of lead water service line where the length of the lead portion is eleven (11) linear feet or less;
 - (3) Three thousand seven hundred dollars (\$3,700) for mobilization, demobilization, identifying location of curb stop, test pit, excavation, backfill, restoration, penetration, and replacement of lead water service line where the length of the lead portion is more than eleven (11) linear feet and, as applicable:
 - (A) Two hundred forty-five dollars (\$245) per foot of one inch (1") pipe to be replaced;
 - (B) Two hundred ninety-five dollars (\$295) per foot of one and one-quarters inch (1.25") pipe to be replaced;
 - (C) Three hundred seventy dollars (\$370) per foot of one and one-half inch (1.5") pipe to be replaced;
 - (D) Four hundred fifty dollars (\$450) per foot of one and three-quarters inch (1.75") pipe to be replaced;
 - (E) Five hundred fifteen dollars (\$515) per foot of two inch (2") pipe to be replaced; and
 - (4) Six hundred dollars (\$600) for installation of the curb stop and curb stop box where the curb stop cannot be located or a new curb stop is otherwise deemed necessary.
- (b) Additional costs for permits, inspectors, restoration, and industry adjustments, including changes in material costs and labor costs will be considered on a case-by-case basis upon submission of documentation. Approval of additional costs above the reasonable caps are subject to available funding.
 - (c) Each year, as of the first business day in December, the reasonable caps in this section shall automatically increase by the percentage, if any, by which the Washington, D.C. All Items Consumer Price Index for all Urban Consumers in the Washington-Arlington-Alexandria, DC-VA-MD-WV Core-Based Statistical Area (or such successor area that includes Washington, DC) ("the Urban Consumer Price Index") for October of the

calendar year exceeds the Urban Consumer Price Index for October of the previous year. Each such inflation adjustment shall be posted to the DC Water's website.

4204.3 If DC Water determines that remaining available funds may be insufficient to provide HBH LPRAP assistance during a fiscal year, DC Water may:

- (a) Suspend the process of taking new applications; or
- (b) Suspend the process of awarding new assistance and place the application on the waitlist.

4205 DENIAL OR REVOCATION OF BENEFITS

4205.1 If an applicant is determined ineligible for HBH Lead Pipe Replacement Assistance Program, DC Water will provide to the applicant notice of ineligibility or revocation, to include:

- (a) A statement of the determination of ineligibility and an explanation of that determination;
- (b) A statement of the action that the applicant must take, if any, to be found eligible; and
- (c) Notice of the applicant's right to appeal the determination, as provided in § 4206.

4205.2 If DC Water determines that a prior eligibility decision for HBH Lead Pipe Replacement Assistance Program was based on material error, falsity, misrepresentation, concealment, omission, or fraud, DC Water will:

- (a) Reopen the application;
- (b) Inform the applicant of DC Water's final action or intended action;
- (c) Provide the applicant with a reasonable opportunity to respond;
- (d) Revise or revoke the determination of eligibility; and
- (e) Take all steps authorized by law to recover any funds provided, if applicable.

- 4205.3 The applicant shall not have a right to appeal a reduction, suspension, or revocation of the benefit based on a lack of available funding.

4206 ADMINISTRATIVE APPEALS

- 4206.1 With respect to a matter governed by §§ 4201 to 4205 of this chapter, an applicant adversely affected or aggrieved by an action of DC Water may file a written appeal to the General Manager of DC Water, or the General Manager's designee, stating the basis of the appeal, and providing any information or material that would support a change to DC Water's action. The appeal must be filed within fifteen (15) calendar days after receipt of DC Water's action.

- 4206.2 The General Manager shall review the applicant's appeal and issue a notice of final action. The decision of the General Manager or the General Manager's designee upon appeal shall become the final action of DC Water.

- 4206.3 An applicant may seek review of the General Manager's notice of final action by filing a petition for an administrative hearing to request a hearing before the DC Water Administrative Hearing Officer within fifteen (15) days of the date of the General Manager's notice of final action as provided in 21 DCMR § 412.

4299 DEFINITIONS

DC Water – the District of Columbia Water and Sewer Authority.

Eligible portion of the lead service line – the portion of the lead water service line located on private property and/or any portion of the lead water service line remaining on public property after a partial lead water service line replacement.

House by House (“HBH”) Lead Pipe Replacement Assistance Program – The DC Water House by House Assistance Program that provides eligible properties with assistance for the replacement of the eligible portion of the lead water service line.

Lead water service line – for purposes of this chapter, the pipe supplying potable water from the water main to the first connection in a property whose material is lead or galvanized.

Partial Lead Water Service Line – For purposes of this chapter, the lead water service line that remains after a partial replacement where the lead water service line in public space is replaced with a nonlead water service line from the watermain to the property line and the portion of the water service line in private property is a lead water service line.

Replacement Costs – exploratory, construction, and restoration costs incurred under the HBH Assistance Program.



District of Columbia Water and Sewer Authority

Board of Directors

Meeting of the Environmental Quality and Operations Committee

– Executive Summary July 16, 2026 / 9:30am

House by House Rulemaking Public Comments: Action Item 4

Action Item 4: Recommend Board Approval to Publish Final Rules to Establish DC Water House By House – Priority Lead Water Service Line Replacement Assistance Program

Title 21 DCMR, WATER AND SANITATION, is amended by adding a new Chapter 43, DC WATER HOUSE BY HOUSE PRIORITY FULL LEAD WATER SERVICE LINE REPLACEMENT ASSISTANCE PROGRAM, to read as follows:

CHAPTER 43 DC WATER HOUSE BY HOUSE PRIORITY FULL LEAD WATER SERVICE REPLACEMENT ASSISTANCE PROGRAM

- 4300 DC WATER PRIORITY FULL LEAD WATER SERVICE LINE REPLACEMENT ASSISTANCE PROGRAM**
- 4301 APPLICATION PROCESS FOR AN EMERGENCY OR FULL LEAD WATER SERVICE LINE REPLACEMENT**
- 4302 ELIGIBILITY**
- 4303 PRIORITY EMERGENCY LEAD WATER SERVICE LINE REPLACEMENT**
- 4304 PRIORITY FULL LEAD WATER SERVICE LINE REPLACEMENT**
- 4305 BENEFITS**
- 4306 DENIAL OR REVOCATION OF BENEFITS**
- 4307 ADMINISTRATIVE APPEALS**
- 4399 DEFINITIONS**

Chapter 43, DC WATER PRIORITY FULL LEAD WATER SERVICE LINE REPLACEMENT ASSISTANCE PROGRAM, of Title 21 DCMR, WATER AND SANITATION, is added to read as follows:

- 4300 DC WATER PRIORITY FULL LEAD WATER SERVICE LINE REPLACEMENT ASSISTANCE PROGRAM**
- 4300.1 DC Water adopts these regulations to establish and implement the requirements for the DC Water House By House - Priority Lead Water Service Line Replacement (HBH Priority Replacement) Assistance Program for eligible property owners to receive assistance to perform an emergency replacement of a leaking or broken lead

water service line on private property or to expedite a full lead water service line replacement on their property and in public space.

4301 APPLICATION PROCESS FOR AN EMERGENCY OR FULL LEAD WATER SERVICE LINE REPLACEMENT

4301.1 To allow DC Water to determine the eligibility of an applicant to receive HBH Priority Replacement Assistance to perform an emergency replacement of a leaking or broken lead water service line on private property or to expedite a full lead water service line replacement, the District property owner or their authorized representative shall complete and submit to DC Water or DC Water Contractor a HBH Lead Water Service Line Replacement Application (HBH LSLR Application).

- (a) For a property owned by one person, the property owner or their authorized representative to act on behalf of the property owner must complete and submit a HBH LSLR Application.
- (b) For a property owned by multiple persons, at least one of the property owners or an authorized representative, to act on behalf of the property owner(s), must complete and submit a HBH LSLR Application.
- (c) As a condition of eligibility, each applicant shall sign a release or provide electronic acknowledgement that authorizes DC Water to obtain or verify information necessary to process the HBH LSLR Application or for reporting purposes.
- (d) An applicant requesting an expedited full lead water service line replacement must mark “Emergency” on the HBH LSLR application and provide the completed application to DC Water or DC Water’s Contractor.
- (e) An applicant requesting an emergency replacement must mark “Priority” on the HBH LSLR application and submit the completed application to DC Water.

4301.2 An authorized representative of the property owner(s) may apply on behalf of the property owner(s) if the representative provides:

- (a) A written document signed by the property owner designating the authorized representative to act on their behalf of the property owner(s); or

- (b) Other documentation that affirms the authorized representative is authorized to act on behalf of the property owner(s).

4301.3 After submitting the HBH LSLR Application, the applicant approved for HBH Priority Replacement assistance shall notify DC Water of any change in ownership of the property before the work begins.

4302 ELIGIBILITY

4302.1 To be eligible for the HBH Priority Replacement assistance, the applicant shall be the property owner or authorized representative of the property owner(s) of a property in the District of Columbia that meets the priority replacement criteria and has 1) a full lead water service line or 2) a leaking or broken lead water service line on private property.

4302.2 DC Water shall determine whether the property has a leaking or broken lead water service line on private property based on the information provided in a plumber/contractor's report or DC Water report attesting to: 1) a leaking or broken water service line on private property and 2) the portion of the water service line on private property is confirmed to be a lead water service line.

4302.3 DC Water shall determine whether the property has a full lead water service line if the portion of the water service line on private property and the portion in public space are confirmed to be a lead water service line.

4302.4 The material of the water service line on private property and/or in public space shall be confirmed to be a lead water service line based on:

- (a) Information on DC Water's Water Service Information Map (available at <https://dcwater.com/leadmap/>) designates the water service pipe material as "verified lead" on private property and/or in public space.
- (b) Information provided by the property owner(s) or their authorized representative confirms water service pipe material located on private property and/or in public space is a lead water service line.
- (c) Information provided in the property owner(s) plumber/contractor's report confirms the water service pipe located on private property is leaking and the material is a lead water service line.
- (d) Information from DC Water's report that confirms the water service pipe material located on private property is lead water service line.

- 4302.5 The property owner or authorized representative of the property owner(s) shall submit a HBH LSLR Application and supporting documentation that meets one or more of the following priority emergency or full lead water service line replacement criteria:
- (a) Property is occupied by a pregnant or nursing mother;
 - (b) Property is occupied by a child under 6;
 - (c) Property is occupied by a person with a blood lead value that exceeds the U.S. Centers for Disease Control and Prevention (CDC) level of three and five hundredths (3.5) micrograms of lead per deciliter of blood ($\mu\text{g/dL}$), or such more stringent standard as may be established by the CDC;
 - (d) Property has a lead water level exceeding the U.S. Environmental Protection Agency (EPA) Lead Action Level of fifteen (15) parts per billion (ppb) or ten (10) ppb after November 1, 2027, or such more stringent standard as may be established by EPA;
 - (e) Property is a child development facility, including a child development center, home or expanded home, licensed by the D.C. Office of the State Superintendent of Education (OSSE); or
 - (f) Property has a leaking or broken lead water service line on private property.
- 4302.6 As a condition of eligibility, the applicant shall sign a release, or provide electronic acknowledgement, that authorizes DC Water to obtain or verify information necessary to process the application or for reporting purposes.
- 4302.7 The applicant shall cooperate fully in establishing eligibility by providing documentation or other proof of:
- (a) Property ownership by the applicant for the property to be benefited; and
 - (b) Additional information that DC Water may require, which is relevant to establishing eligibility.
- 4302.8 DC Water may obtain the information used in determining eligibility from any relevant sources.
- 4303 PRIORITY EMERGENCY LEAD WATER SERVICE LINE REPLACEMENT**

4303.1 An applicant requesting an expedited review and emergency replacement of the leaking or broken lead water service line on private property shall comply with the following requirements:

- (a) Immediately call the DC Water 24-Hour Water and Sewer Emergency Number at 202-612-3400;
- (b) Provide DC Water a copy of the plumber/contractor's report, if available;
- (c) Permit DC Water or DC Water's Contractor to conduct an inspection of the water service line on their property and point of entry;
- (d) Upon determination by DC Water that the property has a leaking or damaged lead water service line, complete, sign, and submit a HBH LSLR Application as required in 4301.1, and marking "Emergency" under the priority criteria; and
- (e) Provide any information requested by DC Water or DC Water's Contractor.

4303.2 Upon notice of a leaking or broken lead water service line on property, DC Water shall:

- (a) Respond to the property owner confirming there is a leak on private property;
- (b) Turn off the water at the curb stop (if feasible and necessary); and
- (c) Confirm whether the water service line is a lead water service line by reviewing the plumber/contractor report and/or inspecting the service line at the location of the leak/break (if feasible) or inside the property at the point of entry.

4303.3 If DC Water determines the property has a leaking/broken lead water service line and the property owner or authorized representative completes and signs a HBH LSLR Application, DC Water shall assign a DC Water Contractor to perform the replacement on private property and public space if that portion is also a lead water service line.

4304 PRIORITY FULL LEAD WATER SERVICE LINE REPLACEMENT

4304.1 An applicant requesting an expedited full lead service line replacement, shall complete and sign HBH LSLR Application and submit it to DC Water through DC Water's website or mail to:

DC Water - Private LSL Replacement Project
5000 Overlook Avenue, SW, COF Bldg., 5th Floor
Washington, DC 20032

- 4304.2 DC Water shall review and complete the eligibility and benefit determination within thirty (30) days after it receives a completed application, or, in the event of an unexpected or extenuating circumstance that affects DC Water, such as a natural disaster, as promptly thereafter as possible, except that the following shall toll the timeline:
- i. An applicant's failure to supply information to document facts stated in an application;
 - ii. Applicants' refusal to permit DC Water to inspect their property, including the location inside where the pipe enters the structure;
 - iii. DC Water's inability to make contact with an applicant after three (3) attempts;
- (d) Evidence of misrepresentation in an application;
- (e) A failure to respond by a third party from whom DC Water has requested necessary information and over whom DC Water has no control; or
- (f) A delay in receipt of necessary information over which DC Water has no control.
- 4304.3 DC Water shall notify the applicant of the eligibility and benefit determination.
- 4304.4 If DC Water determines the applicant is eligible for HBH Priority Lead Water Service Line Replacement assistance, DC Water's Contractor shall contact the property owner or authorized representative to schedule the replacement.
- 4304.5 If DC Water's Contractor determines the water service pipe material located in public space or on private property is not lead, DC Water shall revoke the approval for HBH Priority Lead Water Service Line Replacement benefits.
- 4304.6 If DC Water determines the applicant is not eligible, the applicant may follow the procedures to appeal that decision as provided in Section 4306.
- 4304.7 Applicant approved for HBH Priority Lead Water Service Line Replacement benefits to replace a full lead service line shall complete the following actions to receive benefits:

- (a) Schedule the work with the DC Water Contractor and ensure the owner or authorized representative is present at the property during the work.
- (b) Inform the DC Water Contractor of any hidden hazards or property defects during the initial site visit. Examples of hidden hazards could include an electric or gas line leading to a yard lighting fixture or a buried fuel tank for home heating oil.
- (c) Take detailed pre-construction and post-construction photos inside and outside the home to help the DC Water Contractor restore the area as close as possible to pre-existing conditions once the work is completed.
- (d) Make the area near the point of entry (POE), where the water service line enters the building, accessible to the DC Water Contractor by removing any furniture, shelves, appliances, etc. that may prevent the contractor from accessing the POE.
- (e) Remove any trees, plants, shrubs, etc. within the work area prior to the start of the work.
- (f) Ask DC Water or the DC Water Contractor any questions about the work.
- (g) Notify DC Water of any change in ownership before the work begins.

4305 BENEFITS

4305.1 A HBH Priority Lead Water Service Line Replacement assistance is a one-time benefit per eligible District property:

- (a) DC Water's Contractor shall perform the emergency replacement of full lead water service line replacement at no cost to the owner.
- (b) The HBH Priority Lead Water Service Line Replacement assistance shall be subject to availability of funds.

4305.2 If DC Water determines that remaining available funds may be insufficient to provide relief during a fiscal year, DC Water may:

- (a) Suspend the process of taking new applications; or
- (b) Suspend the process of awarding new assistance and place the application on the waitlist.

4306 DENIAL OR REVOCATION OF BENEFITS

4306.1 If an applicant is determined ineligible for HBH Priority Lead Water Service Line Replacement benefits, DC Water will provide to the applicant notice of ineligibility, to include:

- (a) A statement of the determination of ineligibility and an explanation of that determination;
- (b) A statement of the action that the applicant must take, if any, to be found eligible; and
- (c) Notice of the applicant's right to appeal the determination, as provided in section 4307.

4306.2 If DC Water determines that a prior eligibility decision for HBH Priority Lead Water Service Line Replacement benefits was based on material error, falsity, misrepresentation, concealment, omission, or fraud, DC Water will:

- (a) Reopen the application;
- (b) Inform the applicant of DC Water's final action or intended action;
- (c) Provide the applicant with a reasonable opportunity to respond;
- (d) Revise or revoke the determination of eligibility; and
- (e) Take all steps authorized by law to recover any funds provided, if applicable.

4306.3 The applicant shall not have a right to appeal a denial or revocation of the HBH Priority Lead Water Service Line Replacement benefit based on a lack of available funding.

4307 ADMINISTRATIVE APPEALS

4307.1 With respect to a matter governed by §§ 4301 to 4306 of this chapter, an applicant adversely affected or aggrieved by an action of DC Water may file a written appeal to the General Manager of DC Water, or the General Manager's designee, stating the basis of the appeal, and providing any information or material that would support a change to DC Water's action. The appeal must be filed within fifteen (15) calendar days after receipt of DC Water's action.

- 4307.2 The General Manager shall review the applicant's appeal and issue a notice of final action. The decision of the General Manager or the General Manager's designee upon appeal shall become the final action of DC Water.
- 4307.3 An applicant may seek review of the General Manager's notice of final action by filing a petition for an administrative hearing to request a hearing before the DC Water Administrative Hearing Officer within fifteen (15) days of the date of the General Manager's notice of final action as provided in 21 DCMR § 412.

4399 DEFINITIONS

DC Water -- the District of Columbia Water and Sewer Authority.

House by House (HBH) Priority Full Lead Water Service Line Replacement Program – The DC Water House by House Assistance Program that provides eligible properties with assistance to expedite the full lead water service line replacement on their property and in public space.

Lead water service line – the pipe supplying potable water from the water main to the first connection in a property whose material is lead or galvanized.



District of Columbia Water and Sewer Authority Board of Directors

Meeting of the Environmental Quality and Operations Committee – Executive Summary July 16, 2026 / 9:30am

Summary of Public Comments and DC Water Responses

This table summarizes public comments received on DC Water's House by House Lead Pipe Assistance Program proposed rulemakings (N145302) and the House by House Priority Full Lead Water Service Line Replacement Assistance Program (N145303), along with DC Water's responses. Comments raising similar concerns from multiple individuals or organizations have been grouped by topic.

What Was Suggested / Asked	How DC Water Responded
1. Explicitly Name Pregnant women, Infants, and Young Children as Priority Populations (Summary of 2 Comments Received)	
Explicitly identify pregnant women, infants, and young children as priority populations.	Pregnant women, infants, and young children are already included in the program's eligibility provisions and are specifically addressed in Section 4302.5.
2. Ensure Renters and Multi-Family Properties Are Clearly Eligible (Summary of 4 Comments Received)	
Clarify whether multi-family rental properties are eligible for program participation.	Eligible properties include both single-family and multi-family residences, regardless of occupancy status, provided a property owner or authorized representative submits an application.
Clarify whether income limits or other financial qualifications apply.	The proposed rulemaking does not include income-based eligibility requirements.
3. Establish Landlord Response Timelines and Tenant Participation (Summary of 4 Comments Received)	
Establish landlord response timelines and create a pathway for tenant participation when owners do not respond.	Property owners are the primary applicants under the proposed program; however, authorized representatives, including designated tenants, may apply on an owner's

	behalf. DC Water will continue evaluating implementation considerations raised through public comment.
4. Coordinate with DC Health/DHCF to Prioritize High-Risk Households (Summary of 4 Comments Received)	
Coordinate with DC Health and other agencies to identify and prioritize high-risk households.	DC Water currently coordinates with DC Health through existing partnerships and data-sharing agreements. When high-risk households are identified, property owners are informed about available assistance programs. DC Water also expressed openness to future collaboration with the Department of Health Care Finance.
5. Publish Prioritization Criteria Transparently in Accessible Formats (Summary of 4 Comments Received)	
Publish prioritization criteria and program information in accessible formats.	The proposed rulemaking does not establish a separate prioritization framework; however, program information and materials will be made available using plain language and accessible formats during implementation.
6. Clarify Eligibility (e.g., leaks, need to know if line contains lead) (Summary of 3 Comments Received)	
Clarify eligibility for leaking or broken lead service lines.	Properties with leaking or broken private-side lead service lines may qualify regardless of other eligibility criteria. Applicants do not need to know in advance whether a service line contains lead; eligibility will be verified during review.
Eliminate the eligibility criteria tied to exceeding the EPA Lead and Copper Rule action level and the CDC blood lead reference value, and instead give residents comprehensive information on testing limitations, other sources of lead (including premise plumbing), and point-of-use filters.	These thresholds are intended to expedite replacement whenever any single measured result indicates elevated risk, rather than to compare properties based on consistently elevated levels. Having this criteria allows us to replace more lead services lines. While these numbers might not be directly correlated between EPA action level and health-based decision, having this criteria allows us to replace more lead services lines. DC Water will evaluate the recommendation and will continue providing information about other sources of lead in drinking water, including premise plumbing and the effectiveness of certified point-

	of-use filters, through outreach materials and program partners.
7. Clarify Funding Sources and Annual Availability (Summary of 4 Comments Received)	
Clarify funding sources and annual funding availability.	The program is primarily funded through federal Infrastructure Investment and Jobs Act (IIJA) grants and the DC Water Capital Improvements Program. Annual funding levels are established through DC Water's budgeting and capital planning processes.
Seek amendment or repeal of D.C. Code § 8-205(b), which restricts the use of ratepayer funds for private-side lead service line work.	DC Water will continue evaluating the use of ratepayer funds on the private side and will take the comment under advisement.
8. Address Concerns About High Per-Line Replacement Costs (Summary of 2 Comments Received)	
Explain cost controls and reimbursement caps.	Program cost controls are intended to maintain consistency and financial stewardship. DC Water noted that average replacement costs are significantly lower than some estimates referenced in public comments.
Address concerns regarding overall program costs and comparisons with other jurisdictions.	DC Water noted that replacement costs vary by location due to labor, permitting, restoration, regulatory requirements, and local conditions. The utility also highlighted ongoing initiatives intended to improve efficiency and reduce costs, such as: • Material pre-purchasing • DOES workforce partnership • DDOT permitting coordination • Larger construction blocks • Coordination with Pave DC and Washington Gas
9. Reduce Application Burden and Participation Barriers (Summary of 4 Comments Received)	

Reduce application, documentation, and participation barriers.	DC Water will continue evaluating program requirements and implementation procedures to identify opportunities to reduce barriers while maintaining program integrity and regulatory compliance.
Prevent application requirements from delaying replacement work.	Authorized representatives may apply on behalf of property owners, and program staff will assist applicants throughout the application and review process.
Clarify application requirements, data requirements, and submission timelines.	Application information will be used to determine eligibility. Certain operational details, data requirements, and timelines will be finalized as implementation planning progresses.
Clarify whether applications can be submitted online or by mail.	DC Water will offer an online application, and the proposed rulemaking also allows applications to be submitted by mail.
10. Provide Clearer Timelines, Inspections, Appeals, and Operational Requirements (Summary of 4 Comments Received)	
Clarify inspection requirements and property access expectations.	Service-line verification may occur at the meter, property line, and point of entry into the home, a key location used to visually confirm service line materials. Inspections may be scheduled as needed, and photo verification may be accepted in some situations.
Clarify response times for leaking or broken lead service lines.	DC Water will continue responding to reported leaks as quickly as possible using existing operational procedures.
Clarify appeals processes and eligibility determinations.	Eligibility requirements and appeals procedures are established within the proposed regulations. Applications may be denied if eligibility requirements are not met or false information is deliberately provided on an application.
Clarify notification requirements before emergency work begins on a service line.	DC Water attempts to contact the property owner prior to performing emergency work.
11. Strengthen Oversight and Include Independent Accountability (Summary of 2 Comments Received)	
Strengthen program oversight, accountability, and independent review.	Oversight includes the DC Water Board, EPA, Army Corps of Engineers, Office of the People's Counsel, independent

	annual audits, coordination with DOEE, and regular reporting to the DC Council.
12. Clarify Technical Definitions (e.g., “Partial Lead Service Line”) (Summary of 2 Comments Received)	
Clarify the definition of a Partial Lead Service Line.	DC Water plans to revise the definition to provide greater clarity and consistency regarding situations where the public-side service line has been replaced and a lead service line remains on private property.
Clarify how partial replacement scenarios will be addressed.	The House-by-House program focuses on full replacements. Properties with partial lead service lines may be eligible for assistance through other existing replacement programs and operational processes.
13. Improve Public Education on Lead Exposure and Mitigation (Summary of 2 Comments Received)	
Expand public education on lead risks and mitigation strategies.	Applicants will be directed to DC Water, DOEE, and DC Health educational resources, and additional outreach and educational materials are being developed to support program implementation.
14. Expand Program Access for Renters/Public Housing (Summary of 3 Comments Received)	
Explain how renters, public housing residents, condominium owners, and cooperative housing residents can participate.	Eligible rental and owner-occupied properties may participate through property owners or authorized representatives. DC Water coordinates with DCHA on public housing activities, right-of-entry agreements, engaging with residents, and test pit and replacements. Outreach efforts are directed to both residents and owners. Residents and owners can engage with their ANC commissioners and Single Member Districts as well as Lead Free DC Customer Service.
15. Provide Support Services (Case Management, Translation, Outreach) (Summary of 1 Comment Received)	

Provide dedicated support and case-management assistance.	Dedicated program managers, outreach teams, customer service representatives, communications staff, and translation services are available to help residents navigate the application and replacement process.
16. Streamline Requirements That May Deter Participation (Summary of 3 Comments Received)	
Clarify contractor, permitting, and construction requirements.	Contractors must comply with applicable permitting, inspection, and program requirements. DC Water will continue evaluating opportunities to streamline implementation where appropriate. DC Water publishes an annual RFQ. Contractors may apply to join the approved contractor list. A current RFQ link is provided.
Clarify permit acquisition responsibilities and mandatory inspections.	Contractors and participants must comply with applicable permitting and inspection requirements. Site access is necessary to complete replacement activities and verify completed work.
Clarify excavation, restoration, and safety requirements during construction.	Excavation sites may remain secured but open pending required inspections. These procedures help ensure compliance, quality assurance, safety, and avoidance of unnecessary rework costs. The approved contractor will work directly with the property owner to review landscaping and pre-construction preparations.

Referenced Resources

The table below lists external resources and links cited in DC Water's responses above, along with a brief description of what each one contains.

Resource	Purpose / What You Can Find Here	URL
DC Department of Energy and Environment (DOEE) Lead Resource Hub	Information on lead exposure, health risks, lead-safe practices, available District resources, and assistance programs for residents.	https://doee.dc.gov/service/leadresourcehub
DC Water – Understanding Lead Replacement Costs	Explanation of lead service line replacement costs, factors that influence costs, and cost-saving initiatives implemented through Lead Free DC.	https://www.dewater.com/resources/lead-free-dc/lead-free-dc-understanding-cost
DC Water – FOIA and Public Records	Historical program records, spending information, reports, and other publicly available information related to DC Water programs.	https://www.dewater.com/about-dc-water/media/foia

Lead Free DC Program Resources	Program information, educational materials, eligibility guidance, and updates related to lead service line replacement efforts. (Referenced throughout DC Water responses as a source of resident information).	https://www.dewater.com/lead-free-dc
DC Water Annual and Semi-Annual Lead Service Line Reports	Information on lead service line replacement progress, program performance, and spending reported to oversight entities and the DC Council.	https://www.dewater.com/about-dc-water/media/foia
DC Water – Approved Contractor RFQ	Annual Request for Qualifications for contractors seeking approved-contractor status for lead service line replacement work (referenced in response to comments on	https://www.dewater.com/sites/default/files/LPRAP/LPRAP_FY27_Request_For_Qualifications_-_2026-06-18.pdf

	contractor selection).	
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District of Columbia Water and Sewer Authority Board of Directors

Meeting of the Environmental Quality and Operations Committee

– Executive Summary July 16, 2026 / 9:30am

Non-Revenue Water (NRW) Water Loss Reduction Program Appendix

Non-Revenue Water – Why it matters?

NRW Is Not a Technical Issue Only

Why Non-Revenue Water is also a management, financial and governance challenge

Non-Revenue Water is often treated as a problem of leaks, meters, pipes and pressure. These matter. But NRW reduction depends just as much on data, process, accountability and organizational discipline.



1. What NRW is usually seen as



But NRW is much more than a technical issue.

2. What NRW really is



3. Why this matters



4. What utilities should actually ask



5. What effective NRW reduction requires



6. The shift



“

Reducing NRW is not only about fixing leaks. It is about building a utility that can see, measure, act and improve.

”

Water Utilities | NRW Reduction | Energy Efficiency | Utility Management | Financial Sustainability

Understanding Where We Are

Establish a trusted baseline using the AWWA M36 methodology.

Aligning Enterprise Stakeholders

Coordinate Operations, Engineering, Customer Care, Meter Operations, Finance, IT, and our consultant partners under one enterprise strategy.

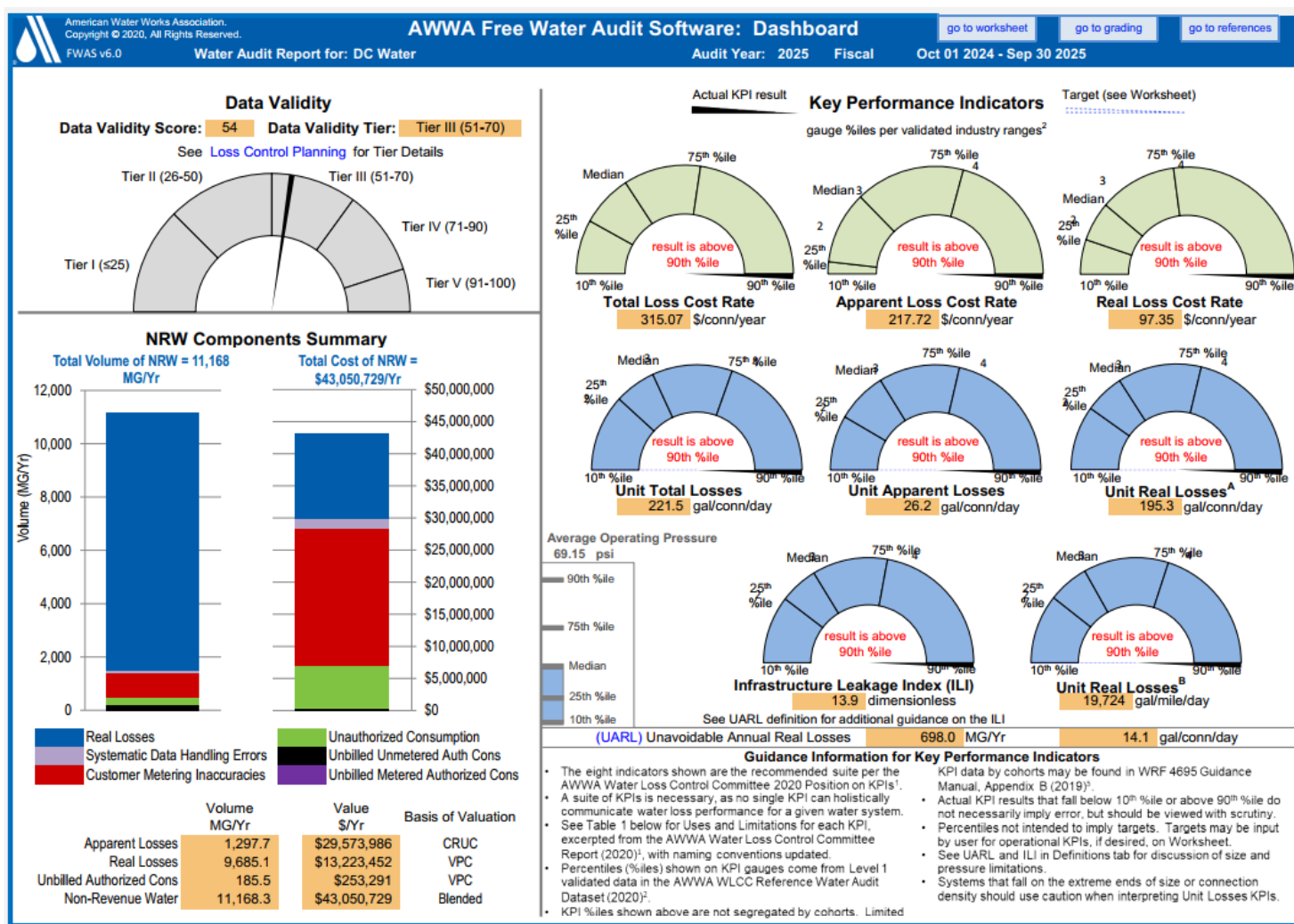
Improving Infrastructure Investment Strategies

Prioritize investments that improve data confidence, recover revenue, reduce water loss, and strengthen system reliability.

Stewarding Every Gallon

Protect our water resources, maximize the value of every gallon purchased, and deliver reliable service to our community.

AWWA – FY25 NRW Audit Dashboard



Dashboard Overview

Data Validity Score:

- A composite metric (0-100) reflecting the reliability and accuracy of the underlying data inputs used for the audit. Higher score achieved through robust measurement rather than estimates.

Key Performance Indicators:

- Standardized metrics, such as Infrastructure Leakage Index (ILI) that benchmark efficiency.

NRW Components Summary:

- A high-level visual breakdown categorizing total supplied water into Revenue and Non-Revenue streams

AWWA – FY25 NRW Audit Data Validity Score**Audit Data Collection**

- Data Collection
- Business Processes
- Policies/Procedures

Short- Term Loss Control

- Meter Testing
- Leak Detection
- Leakage Control

Long- Term Loss Control

- Water Main Replacement
- Meter Replacement

Target Setting

- Establish NRW Reduction Goals
- Long-Term + 10-Year for Tier III
- Short-Term 5-Year for Tier IV

Benchmarking

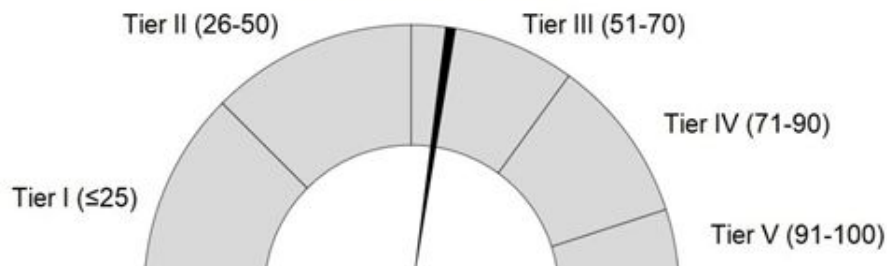
- Preliminary Comparisons for Tier III
- Performance Benchmarking for Tier IV
- Typical to compare real losses

Tier I	Tier II	Tier III	Tier IV	Tier V
1 – 25	26 – 50	51 – 70	71 – 90	91 – 100

**Data Validity**

Data Validity Score: 54 **Data Validity Tier:** Tier III (51-70)

See [Loss Control Planning](#) for Tier Details

**Individual Data Grading**

Each data input is assigned a unique grade based on industry-best-practice validation criteria.

Automated Calculation

The audit software automatically aggregates individual inputs to calculate an Overall Data Validity Score.

Five-Tier Classification

The final score places the utility into one of five distinct performance and data-confidence tiers.

AWWA NRW Benchmarking – Background Data

Name of Utility	State	Audit Year	Water Supplied (MG)	Non Revenue Water (MG)	Length of Mains	Number of Service Connections	Unit Losses gal/conn/day	Unit Apparent Losses gal/conn/day	Unit Real Losses gal/conn/day	Water Audit Data Validity Score
City Of Sacramento	California	2024	26,589.600	1,269.150	1,728.7	143,767	21.68	12.19	9.48	74
Irvine Ranch Water District	California	2024	17,225.364	3,313.303	1,973.1	125,867	20.09	4.98	15.11	77
Cobb County Water System / Cobb County-Marietta Water Authority	Georgia	2024	22,285.582	2,167.582	3,271.6	255,845	21.95	2.16	19.78	76
Gwinnett County	Georgia	2024	29,655.468	2,984.184	4,086.3	293,913	27.70	5.89	21.81	82
San Jose Water Company	California	2024	33,947.462	2,630.762	2,487.5	236,388	29.01	6.72	22.29	74
El Paso Water Utilities Public Service B	Texas	2024	35,232.109	3,443.459	2,900.0	226,366	40.26	17.66	22.6	68
East Bay Municipal Utility District	California	2024	56,123.801	5,085.801	4,282.0	380,501	34.76	8.41	26.35	74
City of Corpus Christi	Texas	2024	24,284.068	2,425.445	1,841.0	119,338	54.43	27.67	26.76	72
City of Irving	Texas	2024	13,974.280	1,515.576	735.4	110,338	30.30	2.79	27.51	87
Los Angeles City Department Of Water And Power	California	2024	142,622.752	34,244.825	7,400.4	754,001	35.98	7.88	28.10	76
Eastern Municipal Water District	California	2024	25,385.224	7,276.492	2,451.6	171,747	37.69	7.81	29.89	77
City of Arlington	Texas	2024	19,233.118	2,319.224	1,455.3	114,632	54.31	18.86	35.45	74
San Francisco Public Utilities Commission	California	2024	20,895.486	3,079.993	1,281.7	180,637	41.95	6.44	35.51	79
City Of Fresno	California	2024	37,888.169	10,045.348	1,913.0	141,623	61.74	17.02	44.72	76
City of Garland	Texas	2024	11,797.550	2,263.874	1,017.7	116,563	49.99	4.60	45.39	79
City of Fort Worth	Texas	2024	55,195.196	8,800.330	4,040.4	323,368	51.67	1.97	49.7	71
DALLAS WATER UTILITY	Texas	2024	84,371.304	16,620.364	5,077.3	341,941	64.05	13.79	50.26	98
City Of San Diego	California	2024	142,622.752	26,747.126	3,719.0	372,378	63.20	10.09	53.11	62
City of Houston	Texas	2024	115,717.771	34,838.658	7,221.0	1,035,389	60.24	1.07	59.17	77
Coachella Valley Water District	California	2024	30,026.660	3,755.590	2,012.8	112,724	83.26	16.96	66.30	80
San Antonio Water System	Texas	2024	88,554.591	19,634.395	7,844.2	691,564	76.22	6.94	69.28	79
DeKalb County	Georgia	2024	23,580.353	6,548.303	3,090.0	192,605	88.08	2.20	85.88	47
City of Austin Water & Wastewater	Texas	2024	54,289.392	10,741.972	4,018.0	255,049	110.97	11.14	99.83	78
DC Water	D.C.	2024	36,781.230	9,878.611	1,308.0	133,506	198.00	23.00	175.00	51
City of Atlanta	Georgia	2024	43,334.995	17,740.584	2,835.0	210,498	226.21	20.11	206.10	84

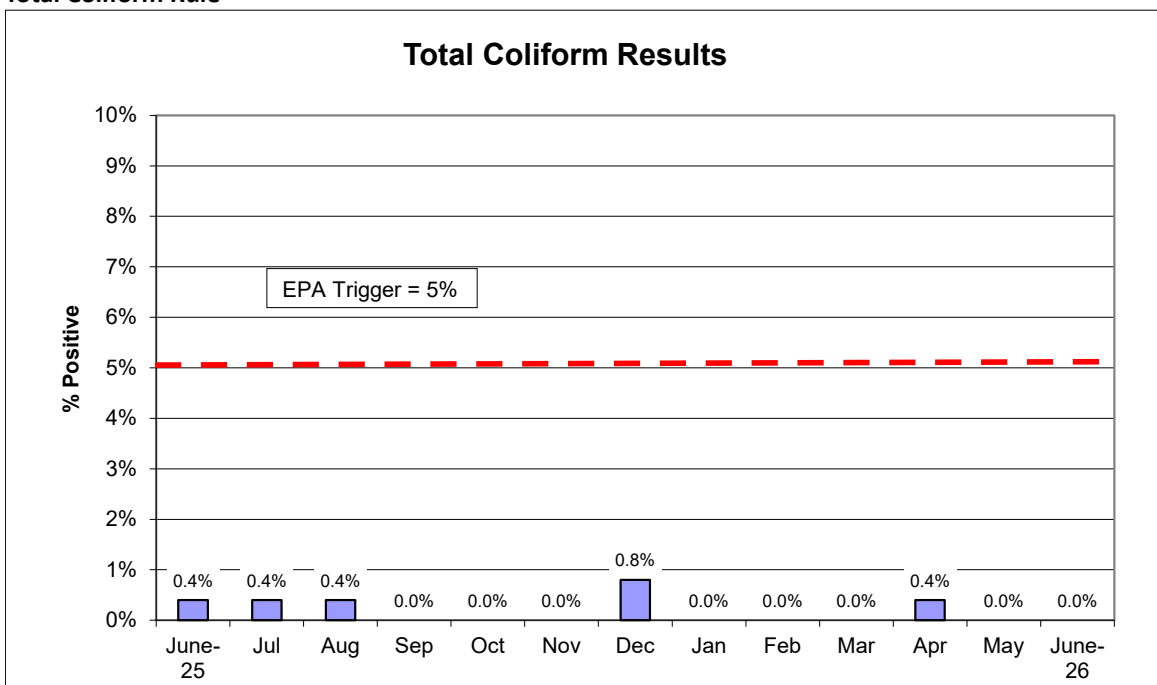


District of Columbia Water and Sewer Authority Board of Directors

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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

Jan - May 2026	1 st Draw	2 nd Draw
Lead 90 th Percentile*, parts per billion (ppb)	1.5	2.8
Number of samples	97	94
Number of samples > 15 ppb	0	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.