



District of Columbia Water and Sewer Authority Board of Directors

Environmental Quality and Operations Committee October 15, 2026 / 9:30 am

Microsoft Teams meeting

[Click here to join the meeting](#)

Meeting ID: 270 946 443 964 982 Passcode: Nv7SA3gM

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Phone Conference ID: 553 206 229#

1. **Call to Order** _____ Sarah Motsch, Vice Chairperson
2. **Roll Call** _____ Debra Mathis, Acting Board Secretary
3. **[September 2026 Blue Plains Wastewater Treatment Plant Performance](#)** _____ [Nicholas Passarelli](#)
4. **[Potomac Interceptor Update](#)** _____ [Matthew Brown](#)
_____ [Moussa Wone](#)
5. **[Path to Future: CIP Scenarios Impacts](#)** _____ [Moussa Wone](#)
_____ [Paul Guttridge](#)
6. **[Transmission Main Program](#)** _____ [William Elledge](#)
7. **[Action Items](#)** _____ [Moussa Wone](#)
_____ [John Papajohn](#)
- Joint Use**
 - a. **[Contract No. 260070 – Public Space Restoration Contract – Capitol Paving of DC, Inc.](#)**
- Non-Joint Use**
 - b. **[Contract No. 260090 – Anacostia Field Operations Building Envelope Restoration & Basic Mechanical, Electrical & Pumping Upgrades – ATMOS SOLUTIONS, INC.](#)**
8. **[Agenda for November 2026 Committee Meeting](#)** _____ [Sarah Motsch](#)
9. **Executive Session*** _____ Sarah Motsch
10. **Adjournment** _____ Sarah Motsch

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

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



Blue Plains Wastewater Treatment Performance

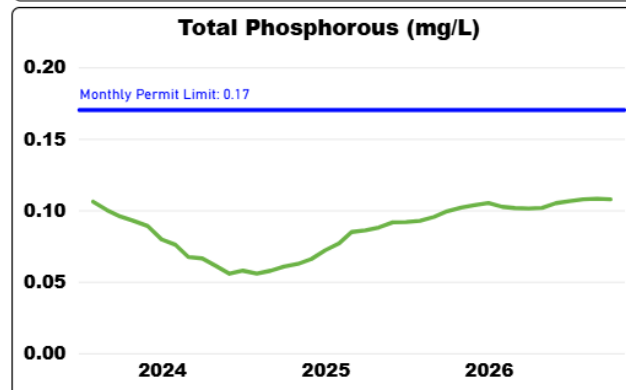
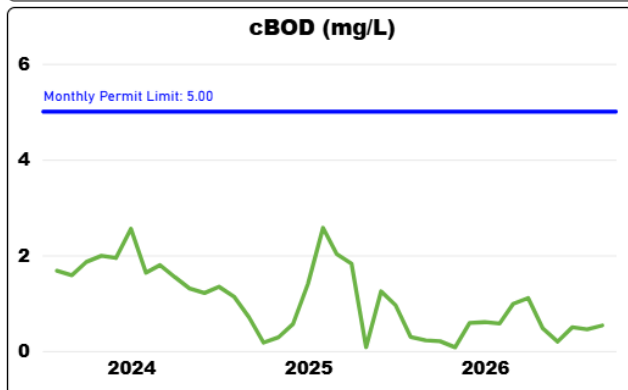
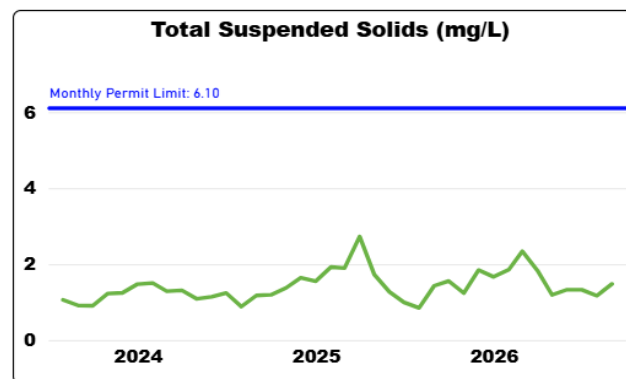
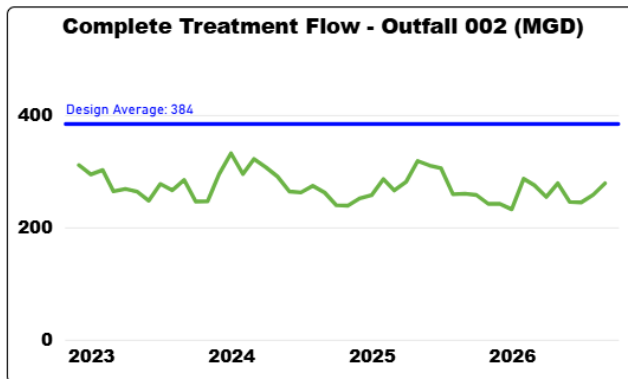
Nicholas Passarelli

Vice-President | Wastewater Treatment Operations



Blue Plains Operational Performance, Flow and Permit Summery

Monthly Average Flow and Permit Parameter Trends



All weekly and monthly
NPDES permit requirements
were met

Average Outfall 002 flow for
Sept 2026: 278.4 MGD

Peak Day flow: Sept 23rd at
380.8 MGD



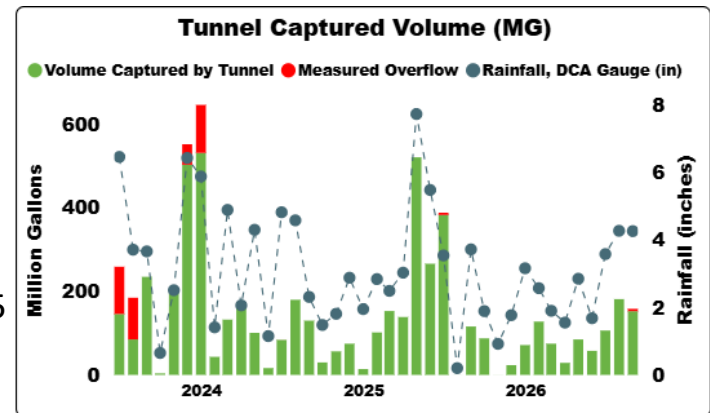
Blue Plains Operational Performance, Tunnel, Power & Biosolids Summary

Tunnel Systems and Wet Weather – Sept 2026

- 152.5 MG Captured in Tunnel with 5.5 overflows
- 4.26 inches of rain

Electrical Energy Use and Generation – Sept 2026

- 21% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 5.45 megawatts (MW)
- Solar System produced an additional 0.60 MW of power on average
- Total electricity consumption at Blue Plains averaged 28.33 MW with average of 22.28 MW purchased from PEPCO
- **Total Purchased Power Savings thru 3rd Qtr FY26: \$2,697,000**



Class A Biosolids – Sept 2026

- Blue Drop sold approximately 3,536 tons of Bloom; for a total of 57,497 tons towards the FY26 goal of 62,000 tons.
- Blue Plains Produced 13,667 tons of biosolids for the month with the remaining 10,131 tons managed through land application contracts.



Potomac Interceptor Update

Matthew T. Brown
Interim General Manager

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

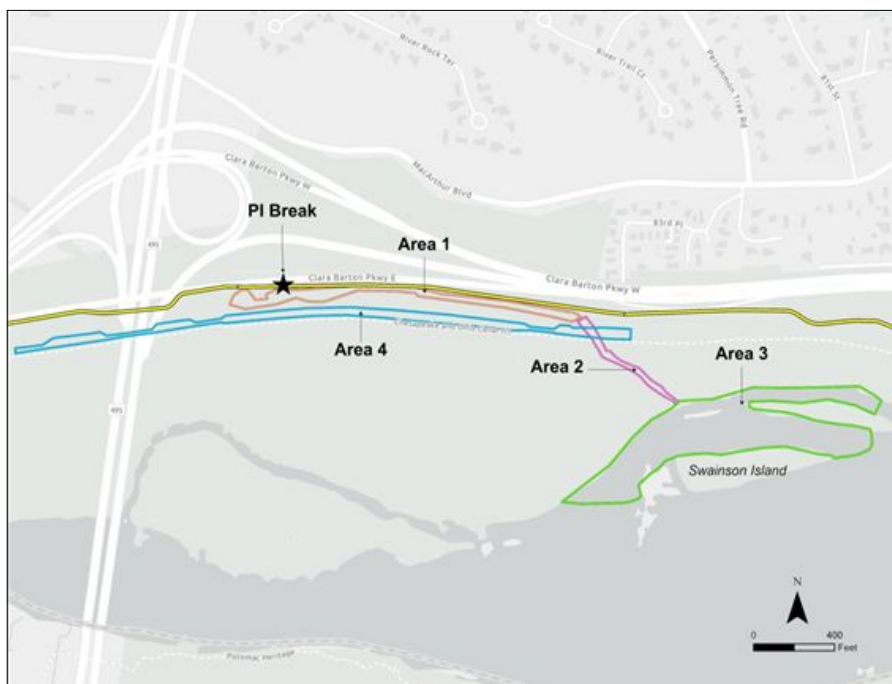


Response and Repair Plan

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
5	Permanent MH20–15 rehabilitation – Bypass, chambers and 72-in sliplining of the high-priority reach	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**



Cleanup of Soil Stockpile Area

Current coordination / milestones

- | | |
|-----------------|---|
| Sept. 23 | Brookmont community update completed. Stockpile area retested; |
| Oct. 2 | Oct 2 nd results showed E. coli at normal levels. We are done testing. |
| Oct. 5 | Clay delivery and placement observation / testing planned. |
| October | Potential public meeting, subject to Environmental Rehabilitation Plan agency-review progression. |



Environmental Update



Canal / Rock Run rehabilitation area

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	Completed
4	C&O Canal – Repair of clay liner, topsoil/grading/seeding, repair Locks and Levels	Fall 2026

* Final Environmental Rehabilitation Plan pending MDE feedback on latest version and response to comments

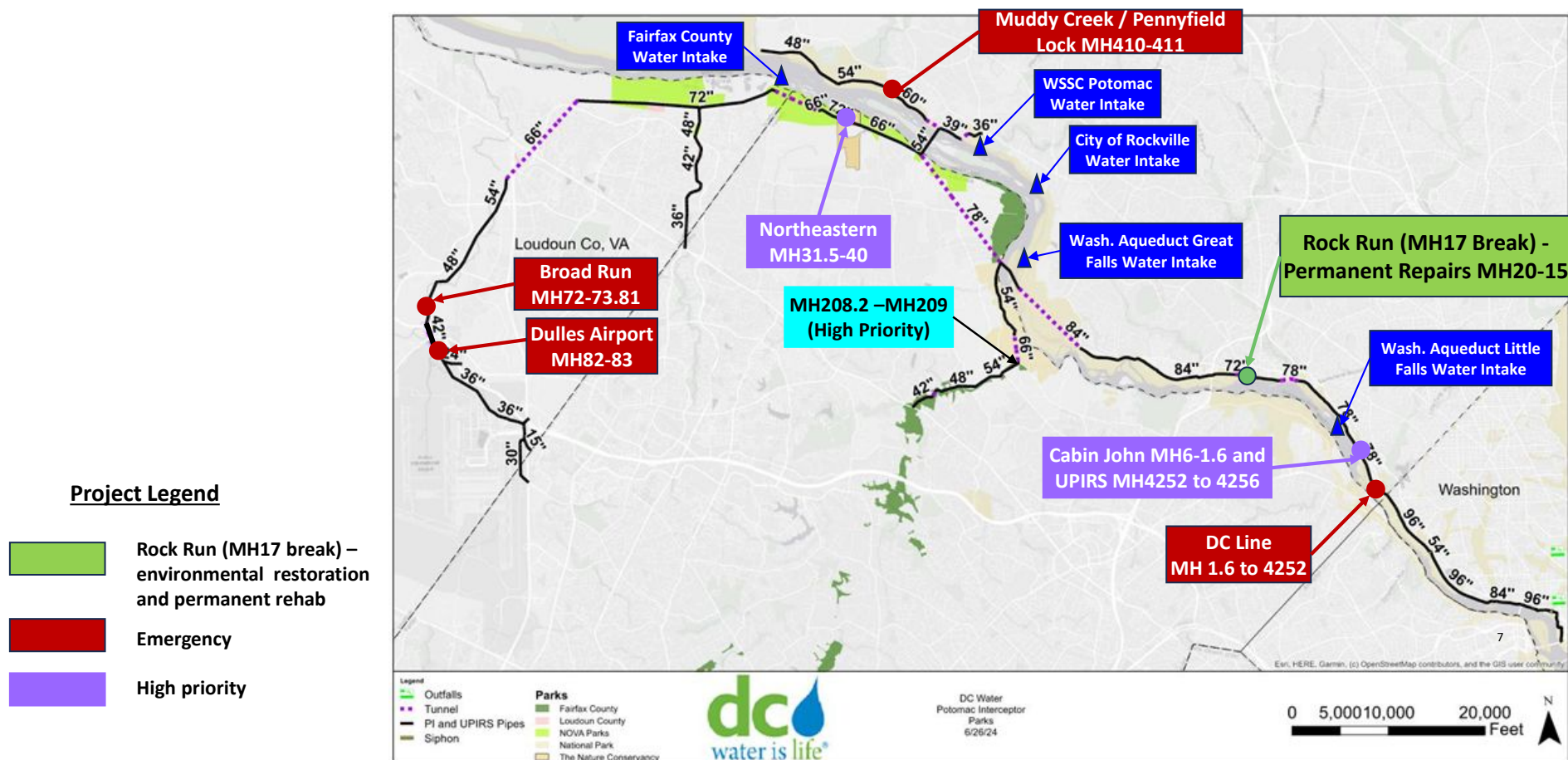


Potomac Interceptor Condition Assessment

- 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	Canal clay-liner preparation underway; bypass valves/manifold installation; GMP pricing under review and 11/2 NTP are key schedule drivers.
Emergency	Muddy Branch MH410 to 411	\$20M	2026	Anchor	PP1, PP2 and receiving pit excavated; grout stabilization planned to start 10/5; ~1,000/1,700 ft HOBAS delivered.
	Dulles Airport MH82 to 83	\$10M	2026	Anchor	CIPP rehabilitation & restoration complete. Project is in closeout process
	Broad Run MH72 to MH73.8	\$10M	2026	Anchor	CIPP rehabilitation & restoration complete. Project is in closeout process
	Cabin John MH1.6-4252	\$11M	2026	Spiniello	Invert paved/prepared for slipline; bypass maintained; site secured pending HOBAS delivery.
High Priority	Cabin John MH6 to MH1.6 UPIRS MH4252 to MH4256	\$154M	2027 – 2029	Spiniello	High-priority preconstruction / scope development.
	Northeastern MH40 to MH31.5	\$250M	2027 – 2029	To Be Procured	In procurement, developing scope documents
	Difficult Run Extension MH208.2 to MH209	\$3M	2027	To Be Procured	To be procured using PI Construction Manager At Risk (CMAR) Master Service Agreement (MSA)

- 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



Bypass Pipe Manifold



Bypass Pipe Valves



Bypass pipe crossing

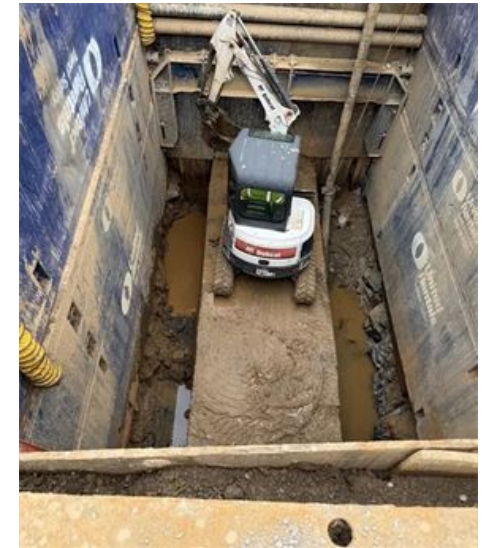


Pipe Delivery nearly 100%

Muddy Branch MH410 to 411



HOBAS delivery (9/29)



Push Pit 1 excavation



Work in the Field

Dulles Airport MH82 to 83



Rehabilitation complete; restoration / wetlands closeout ongoing.

Broad Run MH72 to MH73.8



CIPP rehabilitation & restoration complete. Project is in closeout process

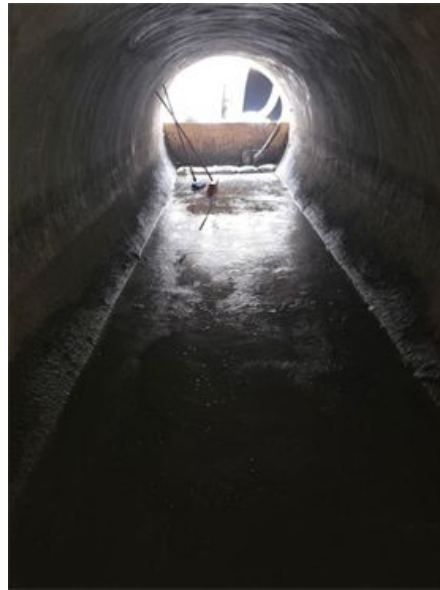


Work in the Field

MD/DC Border MH1.6-4252



Paved invert prepared for slipline



Paved invert prepared for slipline



24/7 pump watch / bypass operations



Geopolymer / bypass system condition



Next Steps: Potomac Interceptor

Rock Run environmental rehabilitation

Advance clay-liner installation, stockpile verification and agency comment closure.

Rock Run permanent rehabilitation

Complete bypass manifold / valve installation, finalize GMP and maintain 11/2 NTP target.

Muddy Branch permanent repair

Complete grout stabilization and pits, receive remaining HOBAS and advance 51-in sliplining.

Closeout completed lining reaches

Finish Dulles and Broad Run restoration, manhole work and permit / SWPPP closeout.

MD/DC Border rehabilitation

Receive HOBAS, maintain 24/7 bypass reliability and advance sliplining.

Program development

Continue draft CIP and advance high-priority Cabin John / UPIRS and Northeastern scopes.



Path to the Future: CIP Scenario Impacts

Moussa Wone, Ph.D., PE, DBIA

Chief Engineer & Vice President | Engineering & Clean Rivers

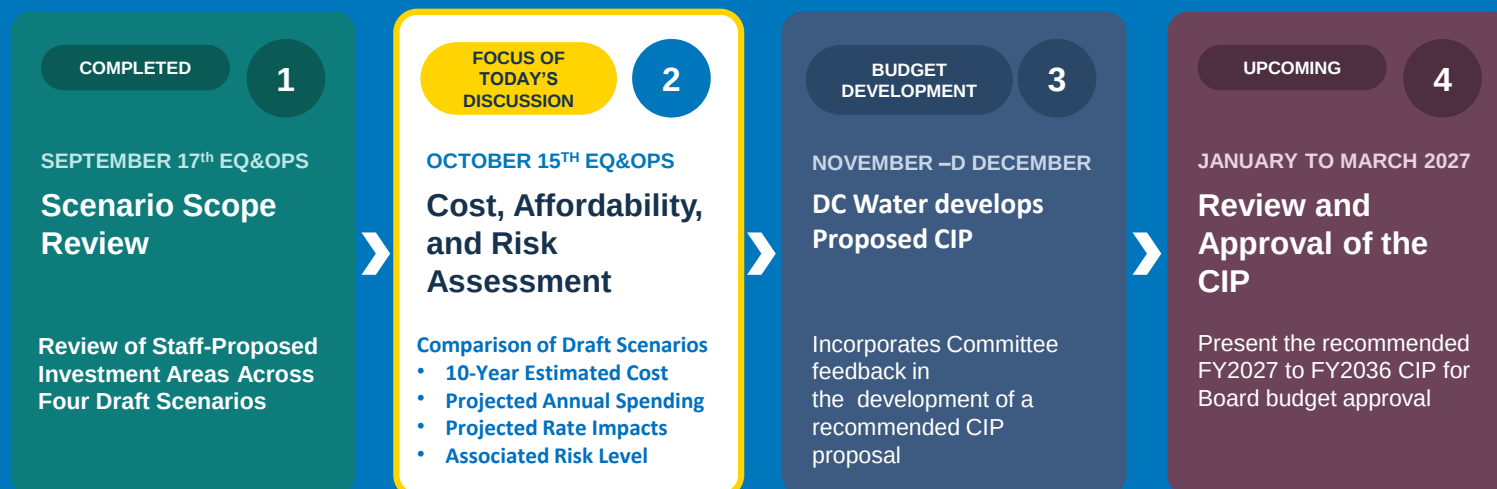
Paul Guttridge, PMP, Assoc. DBIA

Director | Shared Services & Asset Management



FY2027-2036 CIP Development Roadmap

CIP DEVELOPMENT ROADMAP: WHERE WE ARE



PURPOSE

Feedback and comments on the scenarios

Your input on costs, rate impacts and risk will guide the recommended proposal we bring back to the Board.



IMPORTANT NOTE

- The draft scenarios presented exclude the Potomac Interceptor (PI) CIP currently under development. Because the scope, schedule, and funding approach for the PI CIP are still being refined in coordination with the IMA Partners.
- Future CIP investment needs, rate impacts, and risk assessments presented today should be considered preliminary and subject to change.



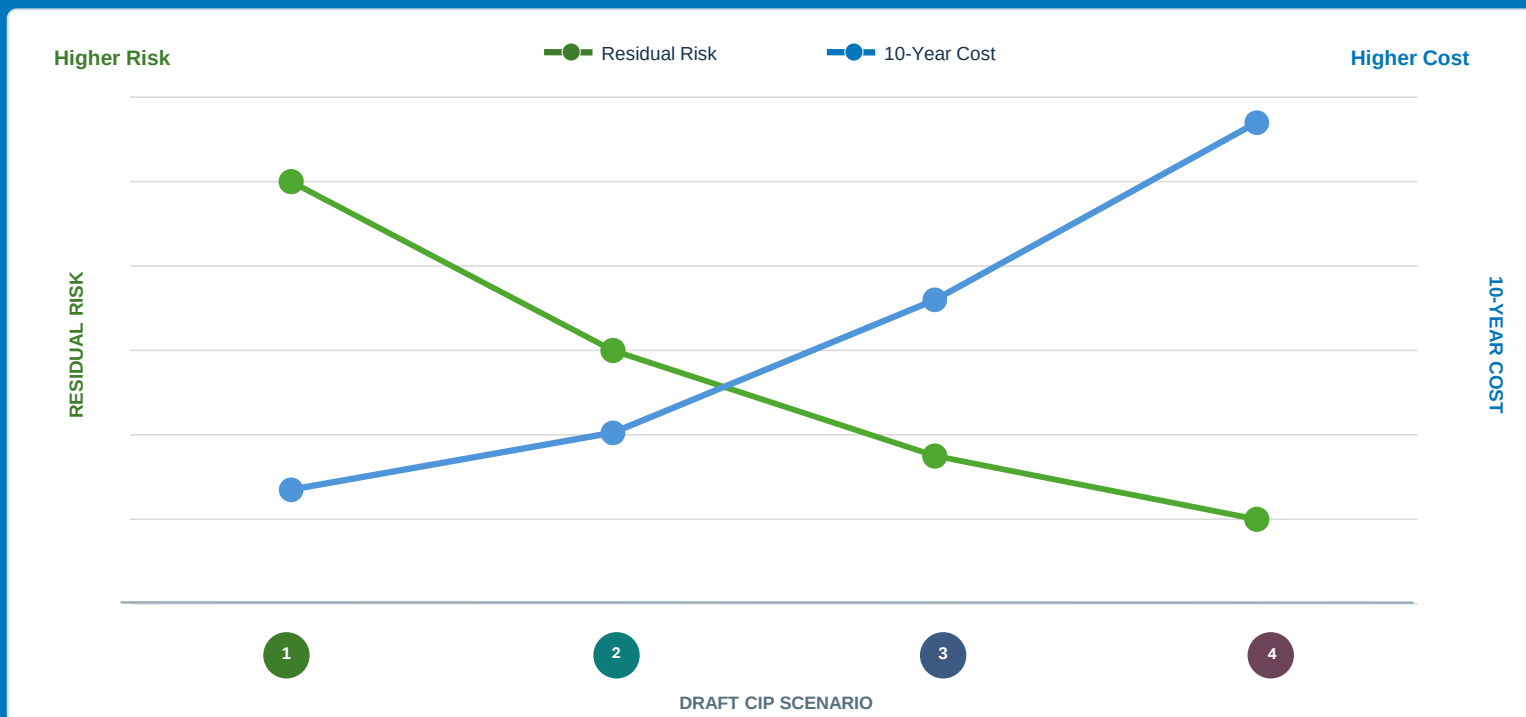


FY2027-2036
CIP
Development

RISK-COST BALANCE

Increasing investment reduces residual risk across the four draft scenarios.

Conceptual Illustration of the Relationship Between Cost and Risk



KEY TAKEAWAY Each step toward Scenario D buys down residual risk,



DC Water Capital Improvement Program (CIP)

FY2027-FY2036

CIP Scenarios: Investment Categories for Board Feedback

Four funding scenarios provide a consistent framework for evaluating investment priorities across the service areas in the next 10-year Capital Improvement Program

INVESTMENT AREAS COVERED BY THE CIP SCENARIOS



Sewer & Storm Linear



Water Linear, Supply
Resilience (Incl. Storage)



Blue Plains Treatment
Facilities, Resource Recovery
& Innovation



Water, Sewer & Storm Pump
Stations



Non-Process Facilities



Capital Equipment &
Information Technology



Washington Aqueduct



Infrastructure Repair and
Replacement (IR&R)

dc clean
RIVERS
PROJECT



Regulatory Compliance Programs

- Clean Rivers
- Lead Free DC
- MS4 Permit Obligations



SCENARIO A

Refined Approved CIP

RISK OUTLOOK

Maintains the currently approved program and addresses selected known priorities. A larger portion of identified renewal, reliability, resilience, or modernization needs remains outside the 10-year funding window. This may leave greater exposure to unplanned work, service impacts, cost escalation, or future reprioritization.

SCENARIO PROGRESSION

A

B

C

D

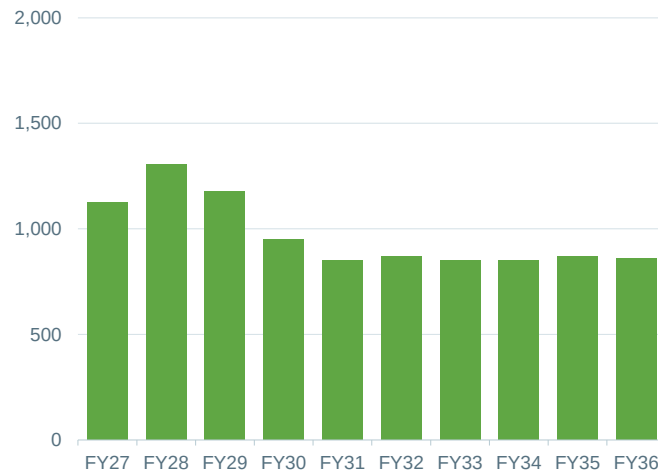
SCENARIO A AT A GLANCE: BUDGET, RATES AND RISK

10-YEAR CAPITAL BUDGET | FY27 to FY36

\$9.69B

Baseline scenario

Annual CIP spend (\$ millions)



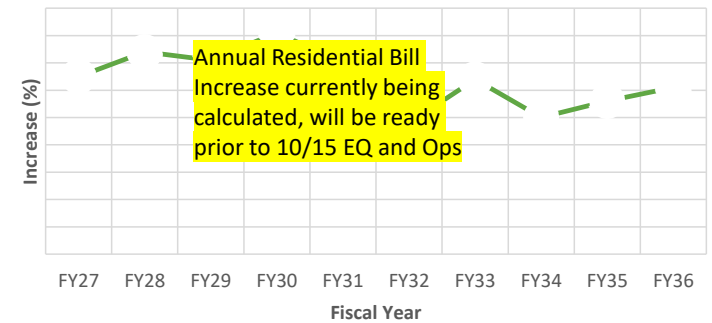
PEAK YEAR

FY29: \$1.31B

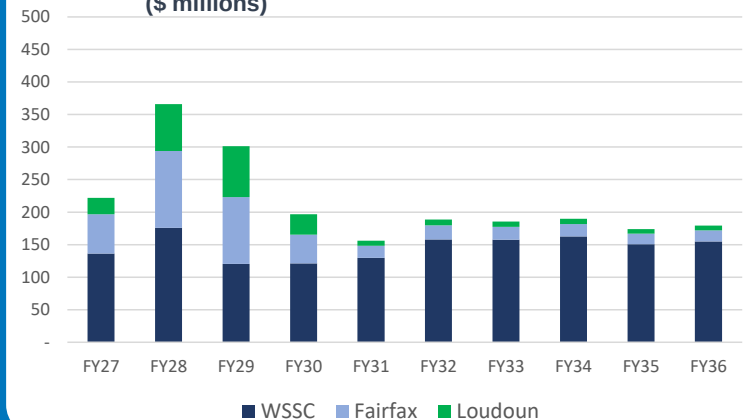
AVERAGE PER YEAR

\$0.97B

Projected Annual Residential Bill Increase by Fiscal Year



Projected Annual Wholesale Customer Contribution (\$ millions)





SCENARIO B

Refined Approved CIP +
Emergency & High-Priority
Needs Across Service Areas

RISK OUTLOOK

Addresses currently identified emergency and high-priority needs, reducing exposure associated with the most urgent known conditions. Other renewal and longer-term needs remain deferred, so material exposure may persist as assets age, conditions change, or additional needs are identified.

SCENARIO PROGRESSION



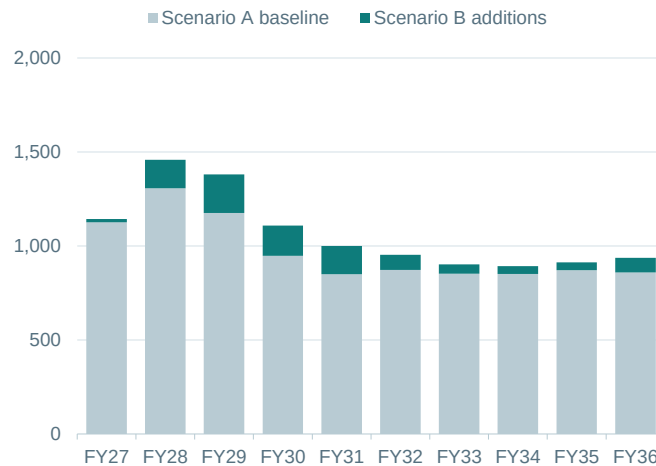
SCENARIO B AT A GLANCE: BUDGET, RATES AND RISK

10-YEAR CAPITAL BUDGET | FY27 to FY36

\$10.68B

+\$0.9B Additional Investment
(+9%) Above the Approved CIP

Annual CIP spend (\$ millions)



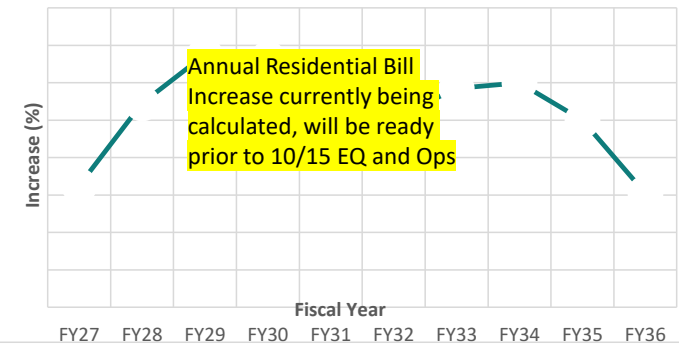
PEAK YEAR

FY29: \$1.48B

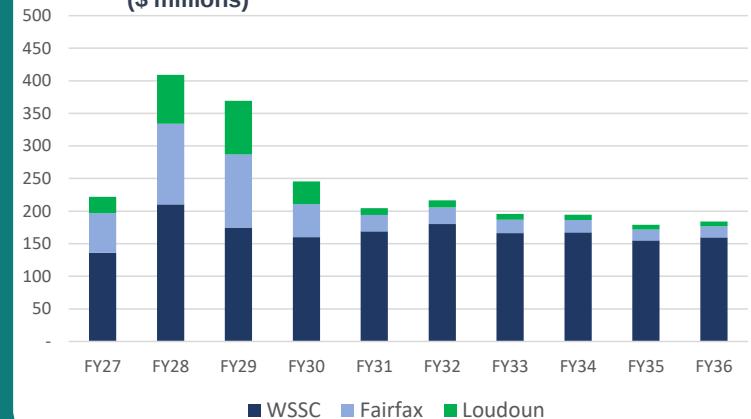
AVERAGE PER YEAR

\$1.07B

Projected Annual Residential Bill Increase by Fiscal Year



Projected Annual Wholesale Customer Contribution (\$ millions)





SCENARIO C

Approved CIP +
Emergency, High
Priority & 10-Year
Needs

RISK OUTLOOK

Addresses emergency, high-priority, and identified 10-year needs, providing a broader reduction in foreseeable risk. Some longer-term renewal, redundancy, modernization, and emerging needs remain outside the scenario, and tradeoffs in timing or performance may still be required.

SCENARIO PROGRESSION



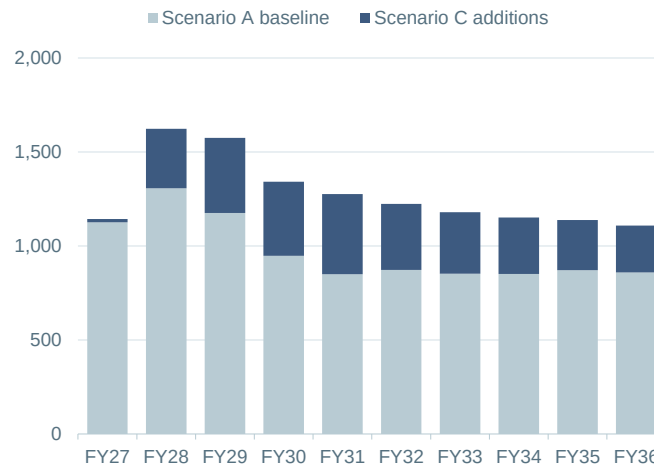
SCENARIO C AT A GLANCE: BUDGET, RATES AND RISK

10-YEAR CAPITAL BUDGET | FY27 to FY36

\$12.75B

+\$3.05B vs. Scenario A (+32.3%)

Annual CIP spend (\$ millions)



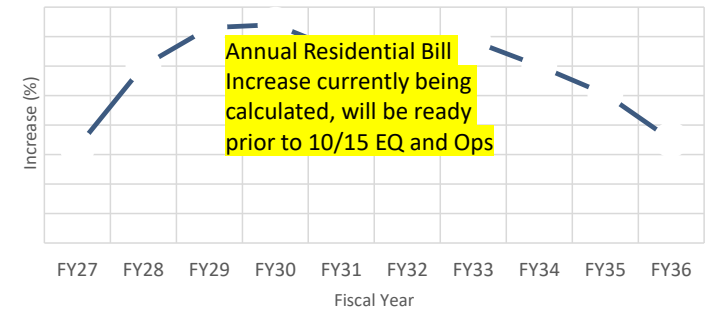
PEAK YEAR

FY30: \$1.62B

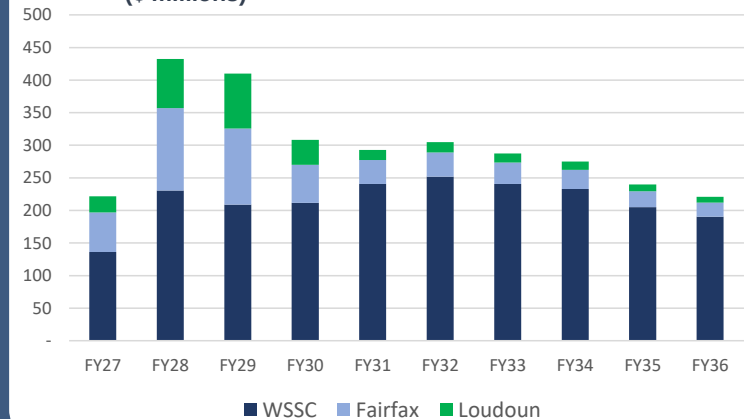
AVERAGE PER YEAR

\$1.27B

Projected Annual Residential Bill Increase by Fiscal Year



Projected Annual Wholesale Customer Contribution (\$ millions)





SCENARIO D

Comprehensive Asset
Renewal & System
Resilience

RISK OUTLOOK

Provides the broadest level of asset renewal, resilience, and modernization among the scenarios. This is expected to reduce reliance on reactive intervention and provide greater capacity to manage known and emerging needs. Residual risk remains because asset condition, project delivery, external requirements, and future operating conditions may change.

SCENARIO PROGRESSION



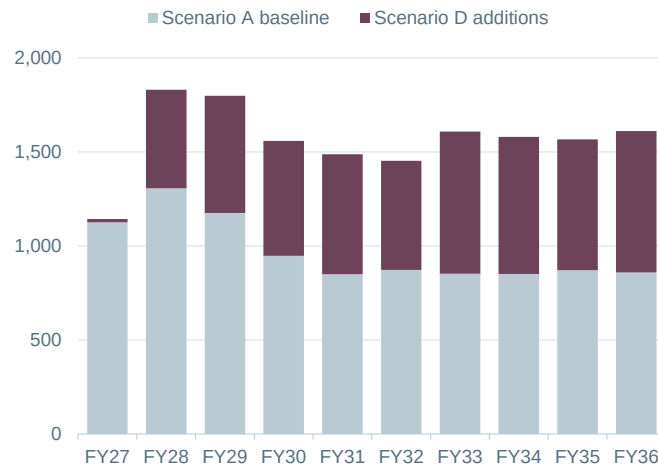
SCENARIO D AT A GLANCE: BUDGET, RATES AND RISK

10-YEAR CAPITAL BUDGET | FY27 to FY36

\$15.63B

+\$6.11B vs. Scenario A (+69.8%)

Annual CIP spend (\$ millions)



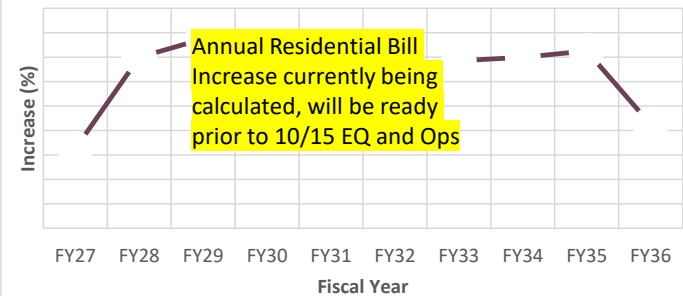
PEAK YEAR

FY30: \$1.83B

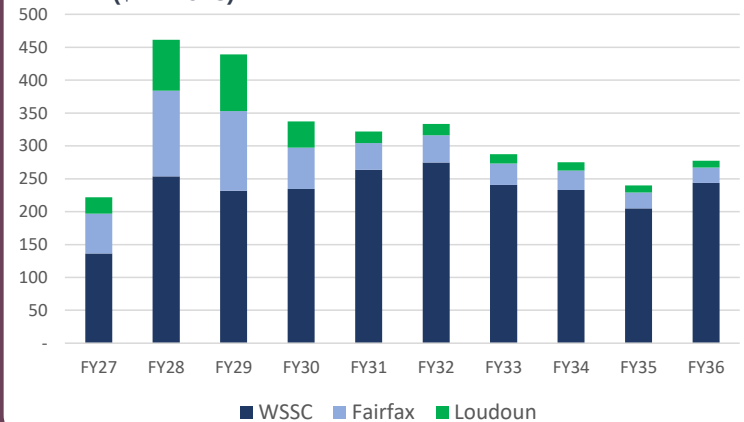
AVERAGE PER YEAR

\$1.56B

Projected Annual Residential Bill Increase by Fiscal Year



Projected Annual Wholesale Customer Contribution (\$ millions)





FY2027-2036 CIP Development Roadmap

NEXT STEPS



NEXT STEPS





APPENDIX

Path to the Future: CIP Scenario Impacts

DETAIL SCENARIO INFORMATION



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Clean Rivers

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$921.6M

10-YEAR COST

Fully funds Consent Decree requirements.

RISK OUTLOOK

Consent Decree requirements are funded; residual exposure primarily relates to delivery, schedule, cost, and regulatory changes.

SCENARIO B

Approved CIP + Emergency & High Priority

\$921.6M

10-YEAR COST

Same as A.

RISK OUTLOOK

Risk exposure remains generally comparable to Scenario A because the funded scope is unchanged.

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$921.6M

10-YEAR COST

Same as A.

RISK OUTLOOK

Risk exposure remains generally comparable to Scenario A because the funded scope is unchanged.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$921.6M

10-YEAR COST

Same as A.

RISK OUTLOOK

Risk exposure remains generally comparable to Scenario A because the funded scope is unchanged.



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Lead Free DC

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$1,032.0M

10-YEAR COST

Grants cover private-side lines only.

RISK OUTLOOK

Current replacement strategy continues, with some exposure remaining around public-side completion and program delivery.

SCENARIO B

Approved CIP + Emergency & High Priority

\$1,032.0M

10-YEAR COST

Same as A.

RISK OUTLOOK

Risk exposure remains generally comparable to Scenario A because the funded scope is unchanged.

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$1,032.0M

10-YEAR COST

Same as A.

RISK OUTLOOK

Risk exposure remains generally comparable to Scenario A because the funded scope is unchanged.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$1,032.0M

10-YEAR COST

Same as A, B and C, plus grants used for public-side lines.

RISK OUTLOOK

Expanded public-side support may reduce completion risk, while access, participation, and delivery uncertainties remain.



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Sewer & Storm Linear

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$2,474.4M

10-YEAR COST

Interceptor inspection 12 mi/yr; local sewer inspection 140 mi/yr; storm inspection 22 mi/yr; 37 mi major interceptor rehab; 5 mi/yr small-diameter rehab; existing Potomac Interceptor CIP rehab.

RISK OUTLOOK

Current renewal continues, but broader exposure to deterioration, localized failures, and reactive work remains.

SCENARIO B

Approved CIP + Emergency & High Priority

\$2,567.2M

10-YEAR COST

39 mi major interceptor rehab; Potomac Interceptor emergency/high-priority projects from 2026 inspections; other inspection and small-diameter targets remain as A.

RISK OUTLOOK

Known priority interceptor exposure is reduced, while broader sewer and storm renewal needs remain.

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$3,495.4M

10-YEAR COST

46 mi sewer plus 15 mi storm rehab; 12 mi/yr small-diameter rehab; adds Potomac Interceptor CIP projects from 2026 inspections.

RISK OUTLOOK

Expanded rehabilitation reduces systemwide exposure, although some redundancy and longer-term needs remain.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$3,845.4M

10-YEAR COST

Adds 28 mi planning/design to C; 18 mi/yr small-diameter rehab; adds redundancy for higher-risk Potomac Interceptor components.

RISK OUTLOOK

Broader renewal and redundancy further reduce known exposure, while condition and deterioration uncertainties remain.



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Water Linear, Supply Resilience (incl. Storage)

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$1,630.9M

10-YEAR COST

Transmission-main inspection 5 mi/yr; 18 mi critical transmission-main rehab; 17 mi/yr small-diameter replacement; addresses key storage issues; funds Pure Water DC planning and pilot.

RISK OUTLOOK

Selected critical needs are addressed, while broader renewal and water-supply resilience exposure remains.

SCENARIO B

Approved CIP + Emergency & High Priority

\$1,883.1M

10-YEAR COST

36 mi transmission-main rehab; proactive storage renewal; other replacement and resilience elements remain as A.

RISK OUTLOOK

Expanded transmission and storage renewal reduces known exposure, while broader resilience needs remain.

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$2,081.4M

10-YEAR COST

50 mi transmission rehab; storage same as B; adds land acquisition for full-scale water supply resilience.

RISK OUTLOOK

Additional rehabilitation and resilience planning further reduce exposure, although full implementation remains incomplete.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$4,285.0M

10-YEAR COST

75 mi transmission rehab; 28 mi/yr small-diameter replacement; expands storage and fully renews facilities; adds a full-scale water supply resilience plant.

RISK OUTLOOK

Comprehensive renewal and supply resilience provide the greatest risk reduction, while delivery and future-demand uncertainties remain.



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Blue Plains Treatment Facilities, Resource Recovery & Innovation

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$1,695.5M

10-YEAR COST

Maintains current funding; supports pilots and technology development.

RISK OUTLOOK

Current investments continue, but some renewal, reliability, and capacity exposure remains.

SCENARIO B

Approved CIP + Emergency & High Priority

\$2,087.0M

10-YEAR COST

Fully funds planned-project shortfalls and prioritized critical assets within a 5-year horizon; R&D same as A.

RISK OUTLOOK

Critical near-term exposure is reduced, while later-horizon renewal and expansion needs remain.

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$2,910.6M

10-YEAR COST

Adds emergency, high-priority and escalation needs in years 5–10; considers long-term ROI opportunities.

RISK OUTLOOK

Broader renewal reduces deterioration and cost-escalation exposure, although some capacity enhancements remain deferred.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$3,185.6M

10-YEAR COST

Adds primary odor control, FOG handling and a 20 MGD plant expansion; resource recovery/R&D same as C.

RISK OUTLOOK

Major facility and capacity investments further reduce exposure, while operational and delivery uncertainties remain.



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Water, Sewer & Storm Pump Stations

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$408.1M

10-YEAR COST

Water addresses known repairs at Anacostia and Bryant Street; sewer and storm address selected critical issues.

RISK OUTLOOK

Selected critical repairs proceed, while broader exposure to aging equipment and reactive work remains.

SCENARIO B

Approved CIP + Emergency & High Priority

\$474.9M

10-YEAR COST

Water adds proactive replacement of aging assets; sewer and storm fully fund planned-project shortfalls and prioritized critical assets within five years.

RISK OUTLOOK

Proactive replacement reduces known priority exposure, while systemwide renewal needs remain.

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$529.3M

10-YEAR COST

Water same as B; sewer and storm add on-demand miscellaneous facility upgrades funding.

RISK OUTLOOK

Flexible facility upgrades further reduce emerging exposure, although comprehensive renewal remains incomplete.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$527.7M

10-YEAR COST

Full renewal of all water pump stations and future expansion; sewer and storm same as C.

RISK OUTLOOK

Broader renewal and expansion reduce reactive-work exposure, while equipment and operational uncertainties remain.



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Infrastructure Repair & Replacement (IR&R)

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$377.5M

10-YEAR COST

Maintains current emergency IR&R funding for Operations, NRW, rehabilitation and maintenance of high-priority system risks.

RISK OUTLOOK

Emergency response capacity continues, but exposure to unplanned events and reactive spending remains.

SCENARIO B

Approved CIP + Emergency & High Priority

\$518.5M

10-YEAR COST

Adds proactive repair to Scenario A.

RISK OUTLOOK

Proactive repairs may reduce the potential for known deficiencies to become more disruptive.

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$518.5M

10-YEAR COST

Same as B.

RISK OUTLOOK

Risk exposure remains generally comparable to Scenario B because the funded scope is unchanged.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$518.5M

10-YEAR COST

Adds funding for high-priority emerging risks and unforeseen major sewer failures.

RISK OUTLOOK

Additional flexibility improves response to emerging risks, although future events remain inherently uncertain.



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Non-Process Facilities

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$238.5M

10-YEAR COST

Existing approved projects and regulatory-driven upgrades.

RISK OUTLOOK

Approved projects proceed, while broader building-system renewal and modernization exposure remains.

SCENARIO B

Approved CIP + Emergency & High Priority

\$248.2M

10-YEAR COST

Adds critical HVAC, roof and elevator upgrades.

RISK OUTLOOK

Critical building upgrades reduce interruption and repair exposure, while broader modernization needs remain.

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$314.5M

10-YEAR COST

Adds strategic facility modernization, including laboratory and training facilities.

RISK OUTLOOK

Strategic modernization reduces operational and functional exposure across more facilities.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$323.5M

10-YEAR COST

Adds campus beautification and additional facility modernization.

RISK OUTLOOK

Additional improvements provide incremental benefits, with risk exposure generally comparable to Scenario C.



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Washington Aqueduct

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$516.7M

10-YEAR COST

Funds baseline needs plus investment for the Advanced Treatment 2.0 Study – Phase 1

RISK OUTLOOK

Baseline needs are supported, but the remaining risk profile requires further scope and cost refinement.

SCENARIO B

Approved CIP + Emergency & High Priority

\$514.5M

10-YEAR COST

Same as A and advances funding for Secure the Source Study and McMillan North Clearwell Replacement from future years.

RISK OUTLOOK

Risk exposure remains generally comparable to Scenario A

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$514.5M

10-YEAR COST

Same as B.

RISK OUTLOOK

Risk exposure same as scenario B because the funded scope is unchanged.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$537.9M

10-YEAR COST

Same as C with additional funding for major projects including the Dalecarlia West Filter Building upgrades, and Electrical Switchgear upgrades.

RISK OUTLOOK

Risk exposure remains for regional mega-projects and major Washington Aqueduct resiliency initiatives with unknown cost estimate.



FY2027–FY2036
CAPITAL
IMPROVEMENT
PROGRAM

Capital Equipment & Information Technology

10-year capital cost and scenario-specific scope

SCENARIO A

Current Approved CIP

\$415.4M

10-YEAR COST

Continues funding necessary capital equipment needs.

RISK OUTLOOK

Necessary investments continue, while some equipment and technology exposure may remain.

SCENARIO B

Approved CIP + Emergency & High Priority

\$438.2M

10-YEAR COST

Core funding needs plus investments to support additional technology needs, AMI initiative for meter replacement and begin transition to Electric Vehicles (EV)

RISK OUTLOOK

Some risk exposure remains as investment level does not keep pace with overall projects and vehicle electrification mandates

SCENARIO C

Approved CIP + Emergency, High Priority & 10-Year Needs

\$438.2M

10-YEAR COST

Same as Scenario B

RISK OUTLOOK

Risk exposure remains generally comparable to Scenario B because the funded scope is unchanged.

SCENARIO D

Comprehensive Asset Renewal & System Resilience

\$458.4M

10-YEAR COST

Funding added to support major infrastructure modernization including EV replacements and IT systems

RISK OUTLOOK

Risk exposure is reduced as scenario fully funds known needs.



Transmission Main Program

William Elledge, PE, Assoc DBIA, ACC
Director | Water Program & LFDC



Purpose

Provide an update to the Committee on our strategy for water transmission mains



Transmission Mains

What is a Transmission Main?

- Large-diameter pipeline (16 inches in diameter or greater)
- Transport large volumes of water
- Transport water over long distances from a treatment plant or pump station to reservoirs, tanks, a different pump stations, or the local distribution network.
- Backbone of the system; analogous to the interstate system of highways



Recent
replacement
at 17th and
Gales, NE

Recent
replacement in
M St





Focus on Transmission Mains

- **Wide reach:**
 - A single break could disrupt *service to tens of thousands* of customers, hospitals, schools, and businesses
- **Larger impact to local economy:**
 - Outages could *shut down restaurants and offices*
- **Public health and safety risk:**
 - Pressure loss can allow contamination into the system, trigger *boil-water advisories*, and *weaken fire protection*
- **Greater property damage:**
 - High-volume water can cause *flooding*, road washouts, and damage to homes and other utilities
- **Longer, costlier repairs:**
 - Harder to access, isolate, and fix. *Emergency repairs cost more* than planned work. Parts *take more time* to obtain slowing repair efforts
- **Traffic and community disruption:**
 - *Major road closures* and detours could affect commuters, transit, and emergency response
- **Proactive better than reactive:**
 - Planned replacement or rehabilitation costs a fraction of emergency repair and avoids the collateral damage
- **Public trust:**
 - Visible failures could *impact confidence* in the utility



Transmission Main Failures from 2026

Recent transmission main failure in [Newark](#)



Recent large pipe failure in [New Orleans](#)



Recent transmission main failure in [Los Angeles](#)



Recent pipe failure in [Charlotte](#)





System Overview



DC Water Transmission Mains

1,300 mi

total water mains

1,074 mi

distribution mains ≤ 12 in

225 mi

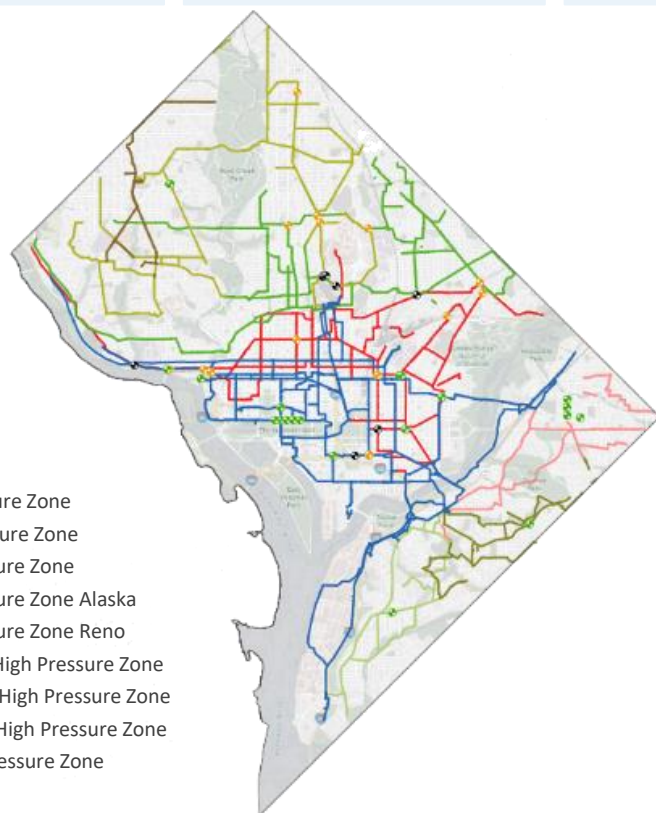
transmission mains ≥ 16 in

9,793

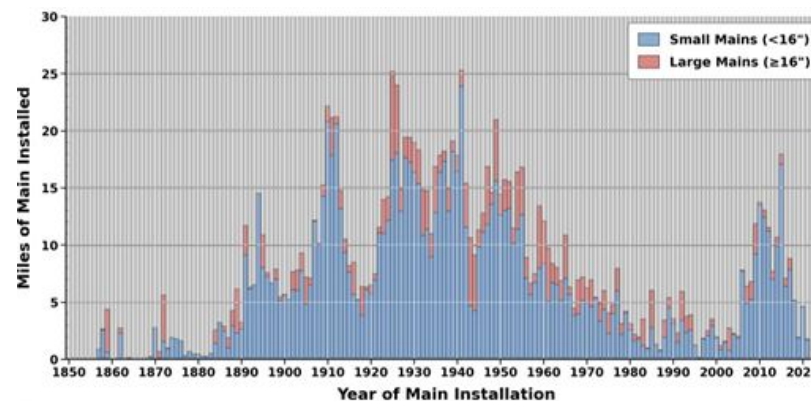
hydrants

33,548

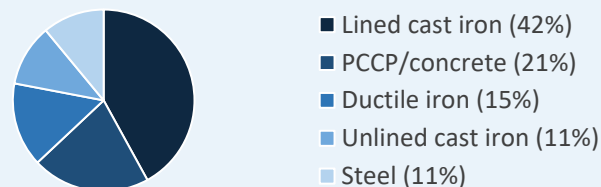
valves



Miles of water main installed by year, 1850–2020

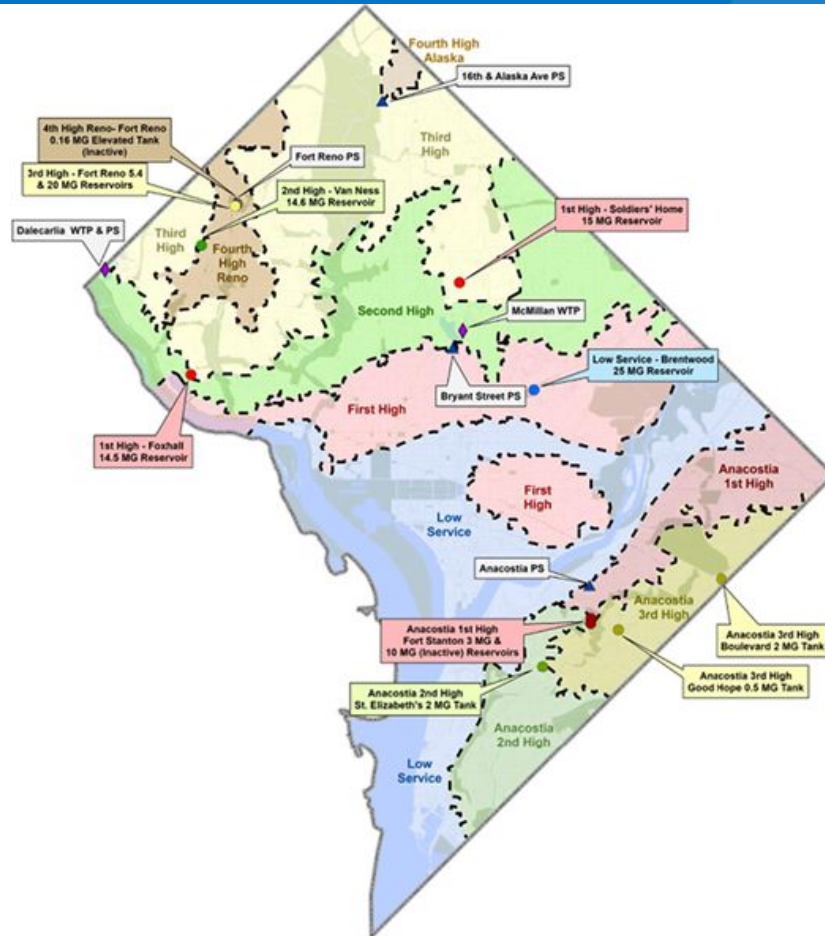


Transmission main material





DC Water System Overview



A pressure zone is a portion of the water system operated at a consistent pressure range based on ground elevation. Pumps, tanks, and valves keep each zone within that range.

9

pressure zones

420

feet of elevation

5

pumping stations

7*

active DCW storage
reservoirs / tanks

**~100 Million Gallons
per Day**

average-day demand

When pipes are taken offline for repairs, we must keep the water flowing. Renewal and shutdown planning must protect pressure, storage, and supply across the entire system.

* DC Water has 7 storage reservoirs in service plus 2 other storage facilities currently out of service. There are also 3 storage facilities owned and operated by Washington Aqueduct.

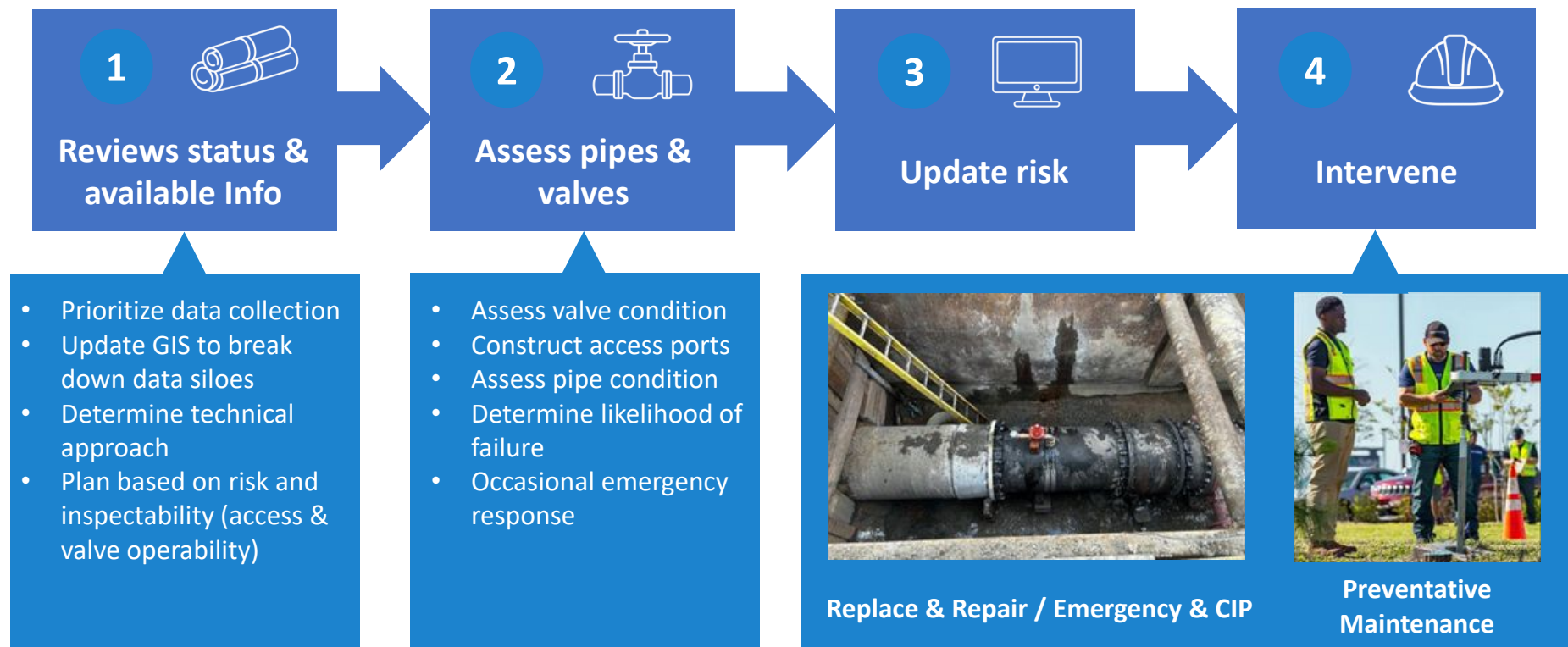


Approach & Strategy



Transmission Main Renewal Program

Objective: repeatable asset management path includes assessment, repair, renewal





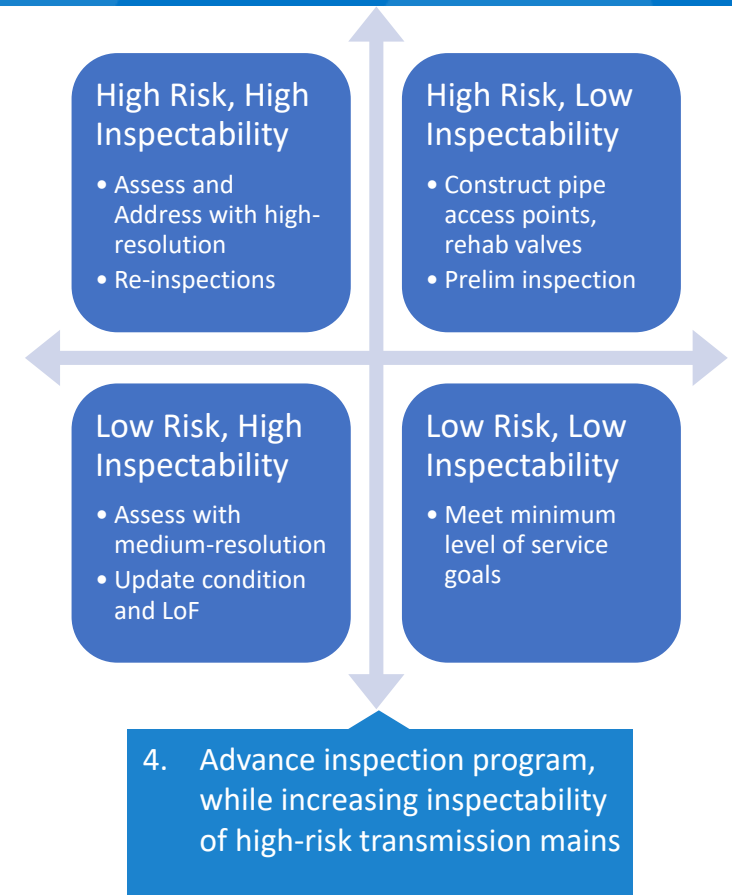
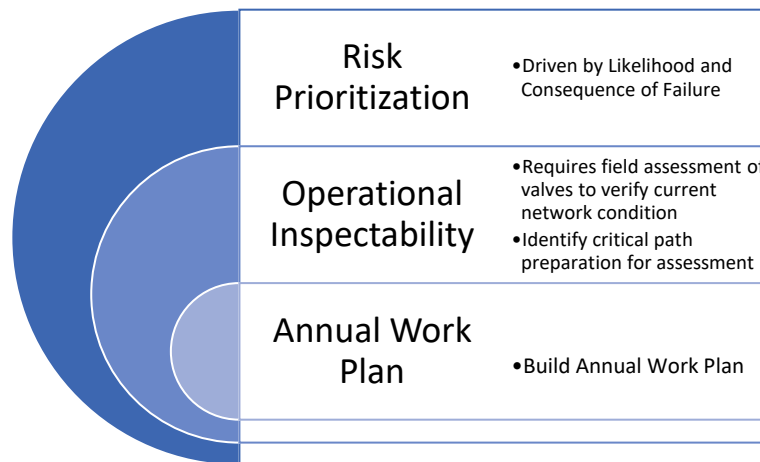
Priority Transmission Main Projects

Transmission mains with known, documented defects

Phase	How much?	Description
Construction complete	0.3 miles	78" North Clear Well Main, 48" Brentwood inlet/outlet, Ft Stanton inlet/outlet
	32 critical valves	
Construction in Progress	1.8 miles	66" in N St (PCCP), Large diameter dead end elimination
	34 critical valves	
Procurement in Progress	15.3 miles	Soldier's Home, 66" Steel 8 th St, Transmission Main PDB, M Street Corridor
Total	17.9 miles + 66 valves	All require re-inspection
FY25 Inspection Complete	12.8 miles	Anacostia 30" PCCP, Various 16"-20" CI/DI mains
FY26 Inspection Complete	10.3 miles	Various 16"-20" CI/DI mains
Total	23.1 miles	



Transmission Main Assessment Plan



1. Start with 2023 Transmission Main Risk Report (all 225 miles of Transmission Mains)

2. Evaluate inspectability prior to project selection
3. Sort into task groups that will proceed in parallel



Progress

Ongoing process for all Transmission Main assets

\$247.7M

Budgeted across four upcoming priority projects

4

Priority projects in planning, procurement, or design

3

Priority projects in construction

3

Priority projects complete

Budget Reallocation

Would require additional budget, and possible reduction in other planned work, like small diameter water main replacements

Renew highest risk first

These projects will address known defects. Ongoing assessment will find additional defects that will require additional priority action

Deliver collaboratively

Progressive Design Build and Construction Manager-at-Risk bring builders in early to manage unknown conditions and risk



Priority Projects in Procurement



Priority Project Portfolio (15.3 miles)

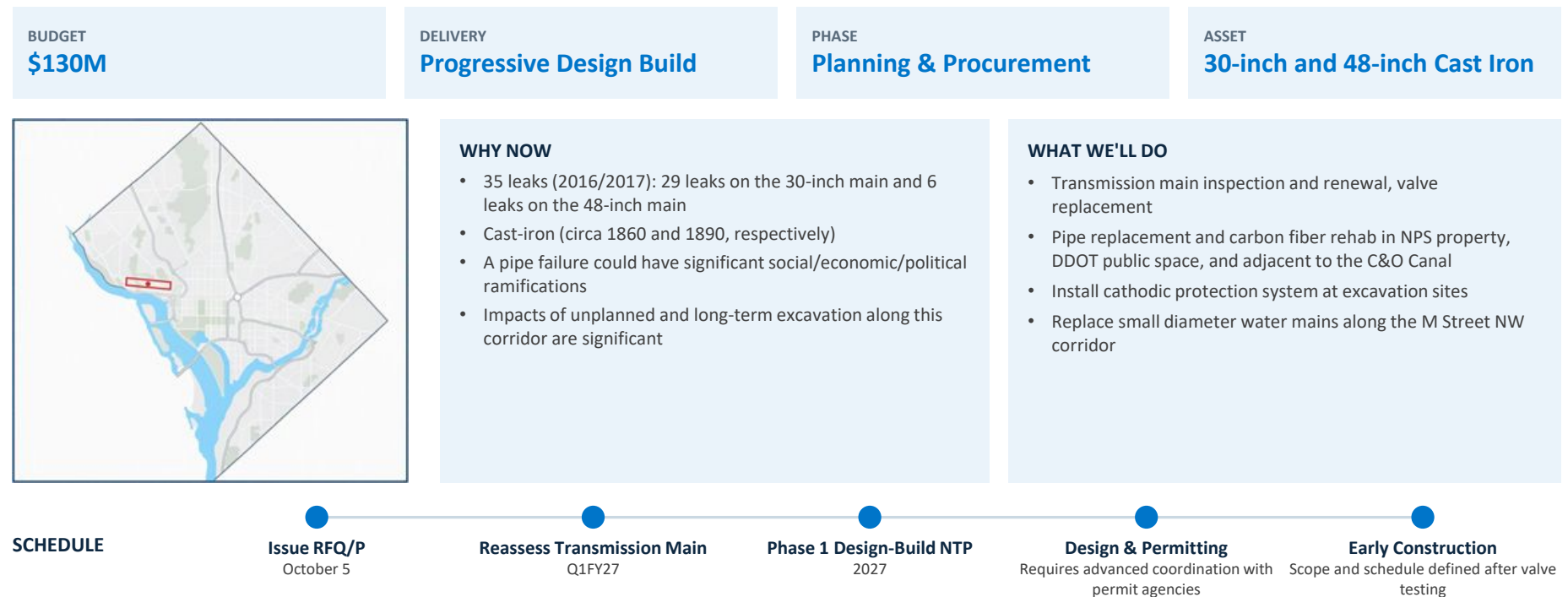
Upcoming transmission main projects to address known, documented defects

Project	Description	Approved Construction Budget	Delivery	Phase	Why now
M Street NW Corridor	2.3 mi of 30-in and 2.2 mi of 48-in cast iron	\$130M	Progressive Design Build	Planning & Procurement	35 leaks identified; reinspection planned Q1 FY27
Transmission Mains + Critical Valves	Eight locations: large-diameter mains and critical valves	\$86.2M	Progressive Design Build	Procurement	System redundancy, water quality, and hydraulic performance
Soldiers' Home Reservoir Main	1,135 LF of 48-in steel main	\$16M	CMAR	Procurement	Temporary repairs and incomplete corrosion protection
66-in 8th Street NE Main	About 8,200 LF serving Brentwood Reservoir	\$15.5M	CMAR	Procurement & Design	Wall loss, defective lining, and shutdown constraints
Total		\$247.7M			



M Street NW Corridor Renewal

This project is planned to proactively address needed pipeline renewal



Opportunities for proactive approach: Use combined RFQ/P. This yields shorter path to Board approval • Begin survey and SUE in Fall 2026 utilizing existing contracts • Use existing contracts to replace needed valves • Start coordination with NPS, DDOT, ANC and other external stakeholders in Fall 2026



Transmission Mains + Critical Valves

Four projects address infrastructure renewal and long-term resiliency

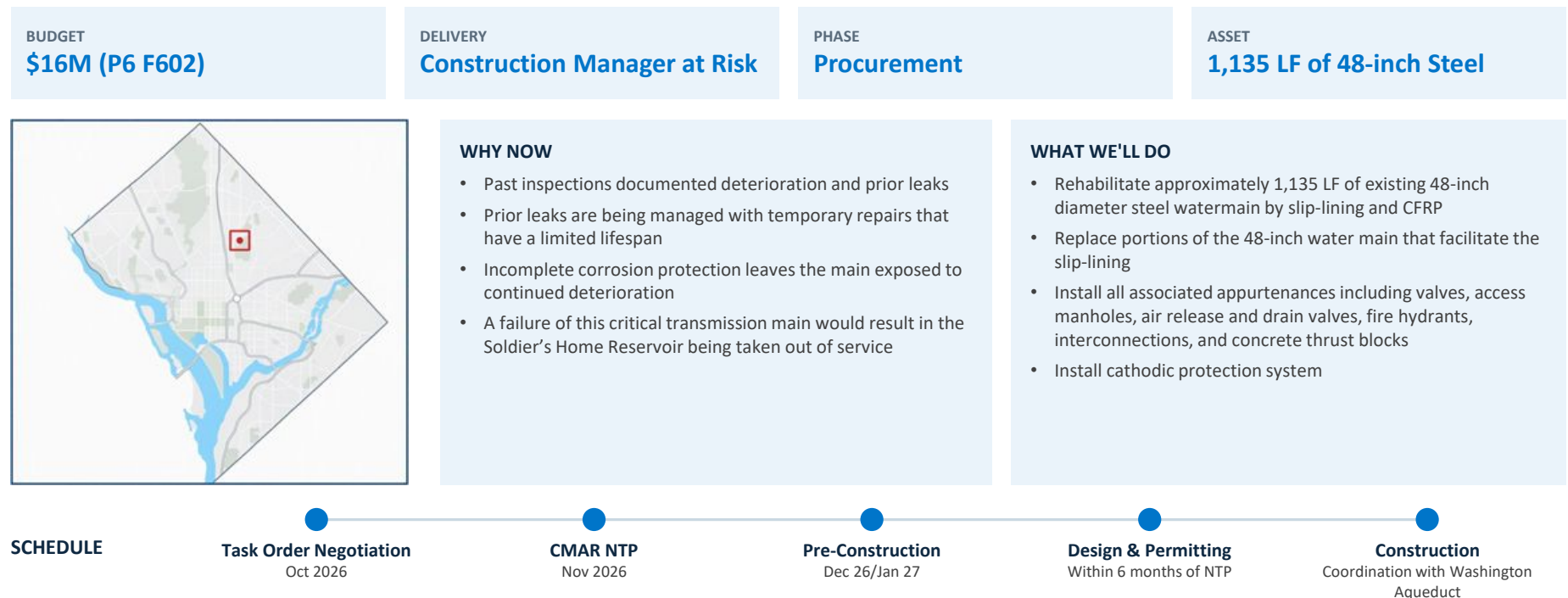


Opportunities for proactive approach: Coordination with external stakeholders, NPS and Washington Aqueduct in Fall 2026 • Early permitting coordination • Early coordination with Lead Free Group to move customer service lines off transmission mains



Soldiers' Home Reservoir Main

Renew the most vulnerable segment of the water main



Opportunities for proactive approach: Test-operate isolation valves during design • Start permitting coordination with DDOT and other agencies at NTP • Coordinate shutdown windows with Operations early in design • Use CMAR input during design to firm up scope and price



66-in 8th Street NE Main

Ranks in the top 10% of high-risk large diameter mains



Opportunities for proactive approach: Have Structural Technologies price both lining alternatives • Coordinate pipeline rehabilitation project with Brentwood Reservoir cleaning (Washington Aqueduct)



Schedule

-
- -



Program Schedule

Project	FY27				FY28				FY29			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
66 Inch N Street NE/NW \$3M Design Bid Build												
M Street NW Corridor \$130M Progressive Design Build												
Transmission Mains and Critical Valves \$86.2M Progressive Design Build												
Soldiers' Home Reservoir Main \$16M CMAR												
66 Inch 8th St NE Main \$15.5M CMAR												

Watch item: Shutdowns are often limited to September through May and cannot usually at same time within a pressure zone. Construction schedules depend on early permit agency coordination and results of valve testing.

■ Procurement
 ■ Design and permitting



Next Steps

- Advance:
 - Priority repairs
 - Inspection program
 - Coordination between Water Operations and Engineering

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

Public Space Restoration Contract (Joint Use)

Approval of award and authorization to execute a public space restoration construction contract not to exceed \$90,000,000.00. The contract will have an initial term of three (3) years, plus two (2) one-year option years. Exercise of the option years will be approved at DC Water's sole discretion.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of DC, Inc. 2211 Channing St., NE Washington, DC 20018	Omni Excavators, Inc Washington, DC DBE	31.68%
	E & F landscaping, LLC Brandywine, MD DBE	0.28%
	Jaxson Point, Inc King George, VA DBE	0.04%
	Royal Construction Materials, LLC Mclean, VA WBE	6.00%

DESCRIPTION AND PURPOSE

*Total Contract Value, Not-To-Exceed:	\$90,000,000.00
Base Contract Value (3-Year Term, Not-to-Exceed)	\$48,336,110.00
Option Period Value (2 Option Years, Not-to-Exceed)	\$41,663,890.00
Contract Time:	1825 Days (3 Years, 2 Option Years)
Option Years:	2
Anticipated Contract Start Date (NTP):	01-05-2027
Anticipated Contract Completion Date:	01-04-2032 (Including 2 Option Years)
Bid Opening Date:	08-12-2026
Bids Received:	2
Capitol Paving of DC, Inc.	\$48,336,110.00
Fort Myer Construction Corp	\$54,147,087.50

*The two (2) bids received were based on a three-year term. The Fact Sheet also includes pricing for two (2) one-year renewal periods.

Purpose of the Contract:

DC Water is required to permanently restore all paved and non-paved public space assets - roadways, sidewalks, tree spaces, and other structures - disturbed by water and sewer construction, rehabilitation, and maintenance. This Indefinite Delivery/Indefinite Quantity (IDIQ) contract provides public space restoration and paving services at various locations throughout Washington, DC, and, as needed, in surrounding jurisdictions. The contract supports the safe and compliant restoration of roadways, sidewalks, tree spaces, and other public infrastructure, while maintaining the integrity of public assets and enabling reliable water and sewer services. Scopes of work will be developed and issued to the contractor on a task order basis, as needed by DC Water.

Contract Scope:

- Restore and/or replace asphalt and concrete roadways, brick and concrete sidewalks, landscaped areas, and other miscellaneous repairs that result from excavations performed during water and sewer infrastructure rehabilitation and repair activities in public space.
- Scope of work is developed and issued as task orders and as needed. Restoration work is at various locations throughout Washington, DC. The nature, extent, and location of the work for each task order varies.

- The water and sewer operations, on an annual basis, typically generate an average of 1,700 task orders for public space restorations.

Federal Grant Status:

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

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Lowest Price Technically Acceptable
Commodity:	Construction	Contract Number:	260070
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Water Operations
Service Area:	Water, Sanitary	Department Head:	Chris Collier
Project:	T8, U9, T9, U8, GQ, ST, L6, L9, NE		

****ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$90,000,000.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$90,000,000.00

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

Signed by:

Chris M. Collier 10/8/2026
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Chris M. Collier Date
 Vice President
 Water and Sewer Operations

Signed by:

Ernest Tuckett III 10/9/2026
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Ernest Tuckett III Date
 Chief Legal Officer and EVP
 Government and Legal Affairs

Signed by:

Korey Gray 10/8/2026
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Korey R. Gray Date
 Vice President of Compliance
 and Chief Procurement Officer

Signed by:

Lola Oyeyemi 10/9/2026
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Lola Oyeyemi Date
 Chief Financial Officer and EVP
 Finance, Procurement and Compliance

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

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

Anacostia Field Operations Building Envelope Restoration & Basic Mechanical, Electrical & Plumbing Upgrades (Non-Joint Use)

Approval of award and authorization to execute a construction contract not-to-exceed \$3,638,639.47

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
ATMOS SOLUTIONS INC. 6856 Eastern Ave NW Washington DC 20012 (DBE)	JB Smith Construction, L.L.C Catonsville, MD DBE Steel Pro Inc, Baltimore, MD WBE	97% 3%

*Multiple contractors expressed interest in the project through site visit participation and the submission of procurement-related questions. To maximize competition the bid period was extended to provide additional time for interested firms to prepare proposal. Despite these efforts, only one bid was received and was determined to be fair and reasonable according to the scope and requirements of the project.

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$3,638,639.47
Contract Time:	730 days (2 Years, 0 Months)
Anticipated Contract Start Date (NTP):	12/01/2026
Anticipated Contract Completion Date:	11/30/2028
Bid Opening Date:	09/08/2026
Bids Received:	1*

Purpose of the Contract:

The Anacostia Field Operations project supports award of a Design-Bid-Build construction contract for restoration and rehabilitation of the historic old pumping station building envelope and associated basic mechanical, electrical, and plumbing (MEP) improvements at 1716 18th Street, S.E., Washington, DC 20020. The contract will stabilize and preserve the historic building envelope, address deferred maintenance, improve safety and facility longevity, and support potential future operational use of this non-process facility.

Contract Scope:

The work includes restoration of the historic building envelope and basic Mechanical Electrical & Plumbing (MEP) systems at the abandoned Anacostia Water Pumping Station. While the primary focus is on the old pumping station building envelope, limited MEP improvements are needed to support stabilization, safety, and potential future use.

- **Building Envelope:** Restore exterior walls, windows, doors, trim, moldings, half-timbering, and stucco using historically sensitive materials and details. Replace the existing slate roof with a lighter synthetic roof system designed to maintain the historic appearance.
- **MEP Systems:** Restore basic MEP systems within the old pumping station, including a new Variable Refrigerant Volume (VRV) heat pump system, electrical distribution, LED interior/exterior lighting, lightning protection, and renovation of the existing single-user restroom.
- **Structural:** Provide limited roof-framing evaluation associated with the new roof system.

Federal Grant Status:

- Construction Contract is not eligible for Federal Grant funding assistance

PROCUREMENT INFORMATION

Contract Type:	Construction contract	Award Based On:	Lowest Qualified Bidder
Commodity:	Construction	Contract Number:	260090
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Facilities Management
Service Area:	Non-Process Facilities	Department Head:	Brent Christ
Project:	SA		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 3,638,639.47
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$ 3,638,639.47

Signed by:

Kirsten B. Williams, Esq. 10/8/2026

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Kirsten B. Williams
Chief Administrative Officer
and Executive Vice President

Date

Signed by:

Korey Gray 10/8/2026

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

Date

Signed by:

Lola Oyeyemi 10/8/2026

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Lola Oyeyemi
Chief Financial Officer and EVP
Finance, Procurement and Compliance

Date

Signed by:

Ernest Tuckett III 10/9/2026

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Ernest Tuckett III
Chief Legal Officer and EVP
Government and Legal Affairs

Date

Matthew T. Brown
Interim Chief Executive Officer
and General Manager

Date



District of Columbia Water and Sewer Authority Board of Directors

Environmental Quality and Operations Committee November 19, 2026 / 9:30 am

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, Board Secretary
3. **October 2026 Blue Plains Wastewater Treatment Plant Performance** _____ Nicholas Passarelli
4. **Potomac Interceptor Update** _____ Matthew Brown
Moussa Wone
5. **Federal & Local agency schedule impacts to CIP projects** _____ Paul Guttridge
6. **House by House Public Comments** _____ William Elledge
7. **Action Items** _____ Moussa Wone
John Papajohn
- Joint Use**
 - a. TBD
- Non-Joint Use**
 - b. TBD
8. **Agenda for December 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.



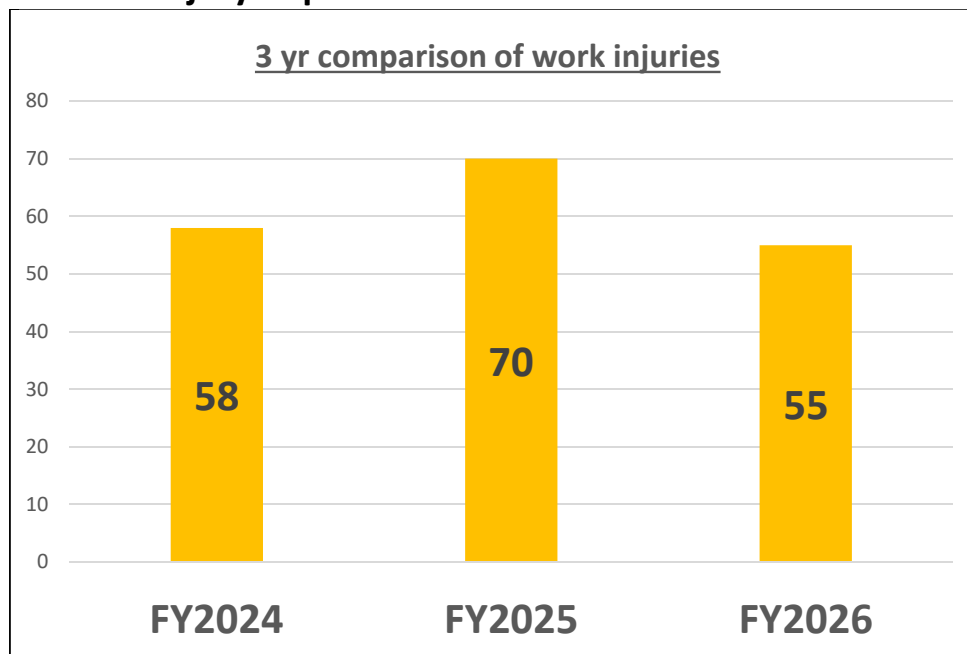
District of Columbia Water and Sewer Authority Board of Directors

Meeting of the Environmental Quality and Operations Committee – Executive Summary October 15, 2026 / 9:30am

October 2026 Quarterly Safety Report

This summary briefs the Committee on the injury comparisons on safety performance as measured by OSHA Recordable Incident Rates, for DC Water and Contractors, and outlines the specific safety thresholds that could trigger mandatory actions.

3 Year Total Injury Report



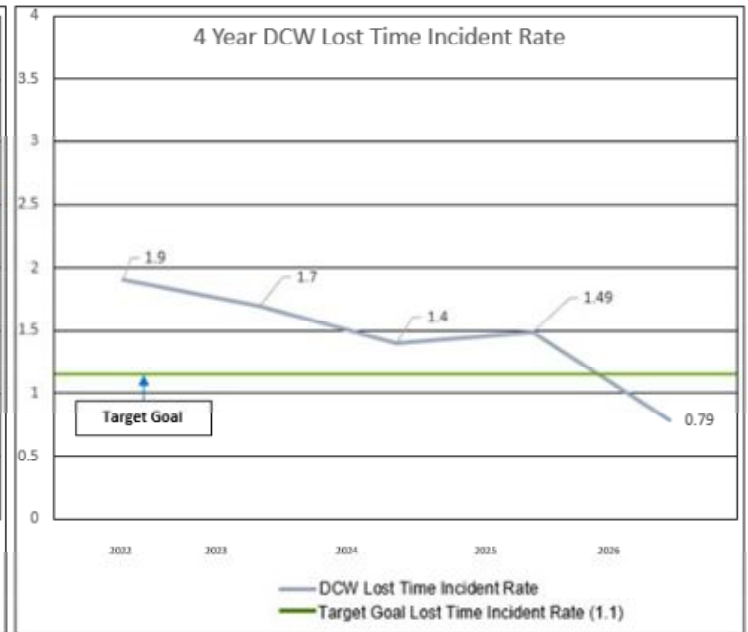
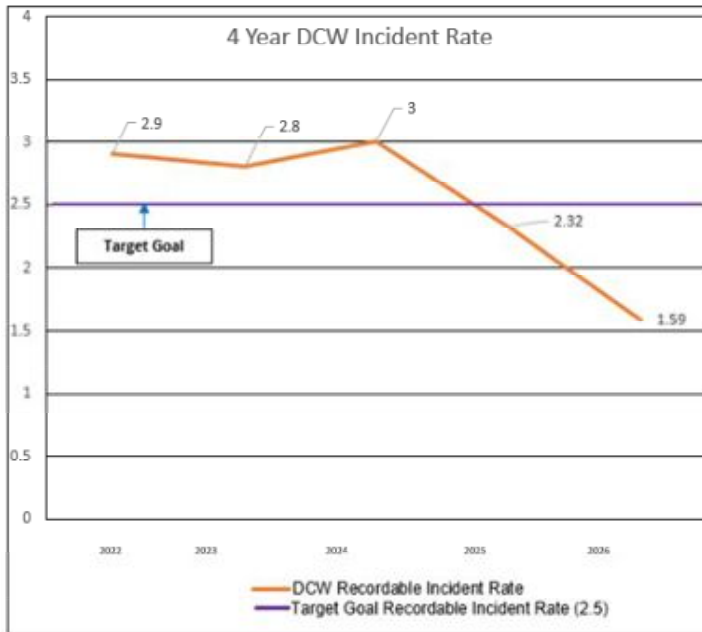
Continual Improvement

- On track to have less injuries than FY 2025
- 20 Claims in FY 2026 were "Report Only" and did not require medical attention

FY 2026 DC Water Incident Rates

Target Goals	
Recordable Incident Rate	<2.5

Target Goals	
Lost Time Incident Rate	<1.1



*(Number of OSHA recordable incidents * 200,000) / Total hours worked

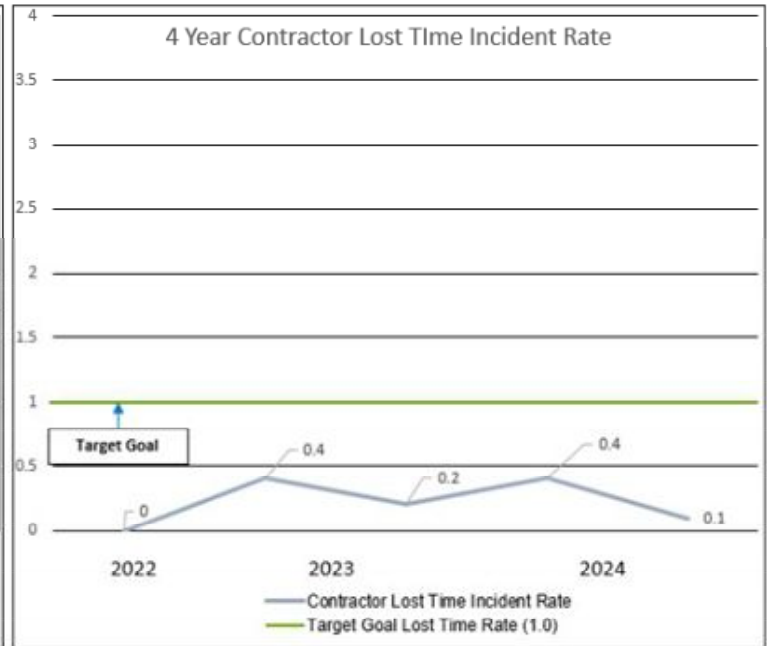
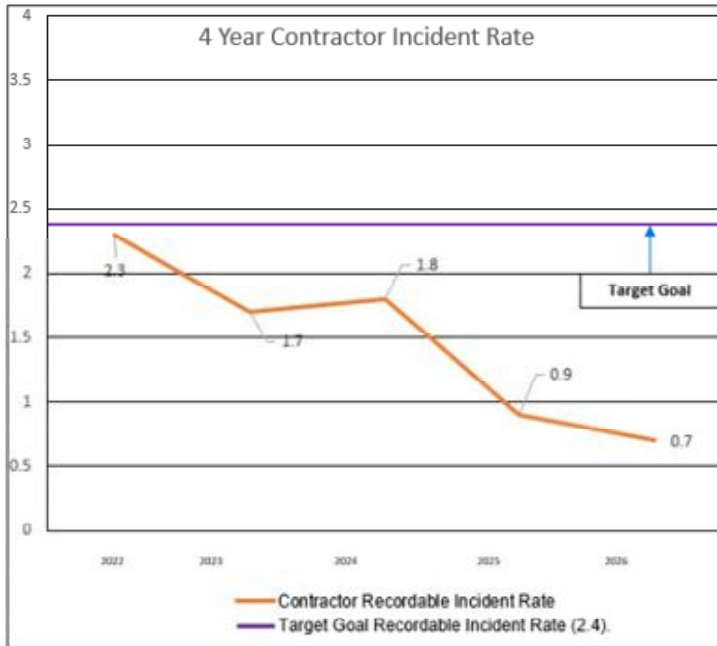
Continual Improvement

- The RIR is continuing in a positive direction
- The LTI is continuing in a positive direction

FY 2026 Contractor Incident Rates

Target Goals	
Total Recordable Incident Rate	<2.4

Target Goals	
Lost Time Incident Rate	<1.0



*(Number of OSHA recordable incidents * 200,000) / Total hours worked

Continual Improvement

- Working with ROCIP team to ensure the rate trends back into a positive direction
- The LTI is continuing in a positive direction