



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

Meeting of the  
Environmental Quality and Operations Committee

**Thursday, October 19, 2023  
9:30 a.m.**

Microsoft Teams meeting  
**Join on your computer, mobile app**  
[Click here to join the meeting](#)

Meeting ID: 256 285 208 69

Passcode: 5pY3Tw

**Or call in (audio only)**

[+1 202-753-6714,,238278502#](#)

Phone Conference ID: 238 278 502#

9:30 a.m.	I	<b>Call to Order</b>	Sarah Motsch Chair
	II	<b>Roll Call</b>	Michelle Rhodd Board Secretary
9:35 a.m.	III	<a href="#">BPAWTP Performance Update</a>	Nicholas Passarelli
9:40 a.m.	IV	<a href="#">Clean Rivers Project Status Update</a>	Moussa Wone
10:00 a.m.	V	<a href="#">Risk-based prioritization of Linear Assets</a>	Getachew Melsew
10:20 a.m.	VI	<a href="#">Styrene Cost Impacts to CIP</a>	William Elledge
10:40 a.m.	VII	<b>Action Items</b>	Joel Grosser Brent Christ
		<b><u>Joint Use</u></b>	
		1. <a href="#">Contract No. 10068 – Supply and Delivery of Calcium Hydroxide – W.K. Merriman, Inc.</a>	
		2. <a href="#">Agreement No. DCFA #535 – Non-Process Facility Design Service Basic Ordering Agreement – Alphatec PC</a>	
10:50 a.m.	VII	<b>Other Business/Emerging Issues</b>	
10:55 a.m.	VIII	<b>Executive Session*</b>	
11:00 a.m.	IX	<b>Adjournment</b>	Sarah Motsch

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

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

1. Getachew Melsew (Sr. Manager, Planning, Engineering): To provide copy of white paper on the equity analysis benefits and either a presentation to the full Board or the opportunity for Board Members to observe a training session on the equity analysis tool and dashboard. **Due November 2023.**
2. Nicholas Passarelli (Vice President, Wastewater Operations): Information on how many tons of Bloom were generated compared to how many tons were sold. **Nick Passarelli will present these numbers for October's committee meeting.**
3. Paul Guttridge (Director, CIP Infrastructure Management): Confirm total underspending amount at end of year meeting.

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



# ***BPAWTP UPDATE***



Blue Plains Complete Treatment Performance  
Environmental Quality & Operations Committee  
October 19, 2023

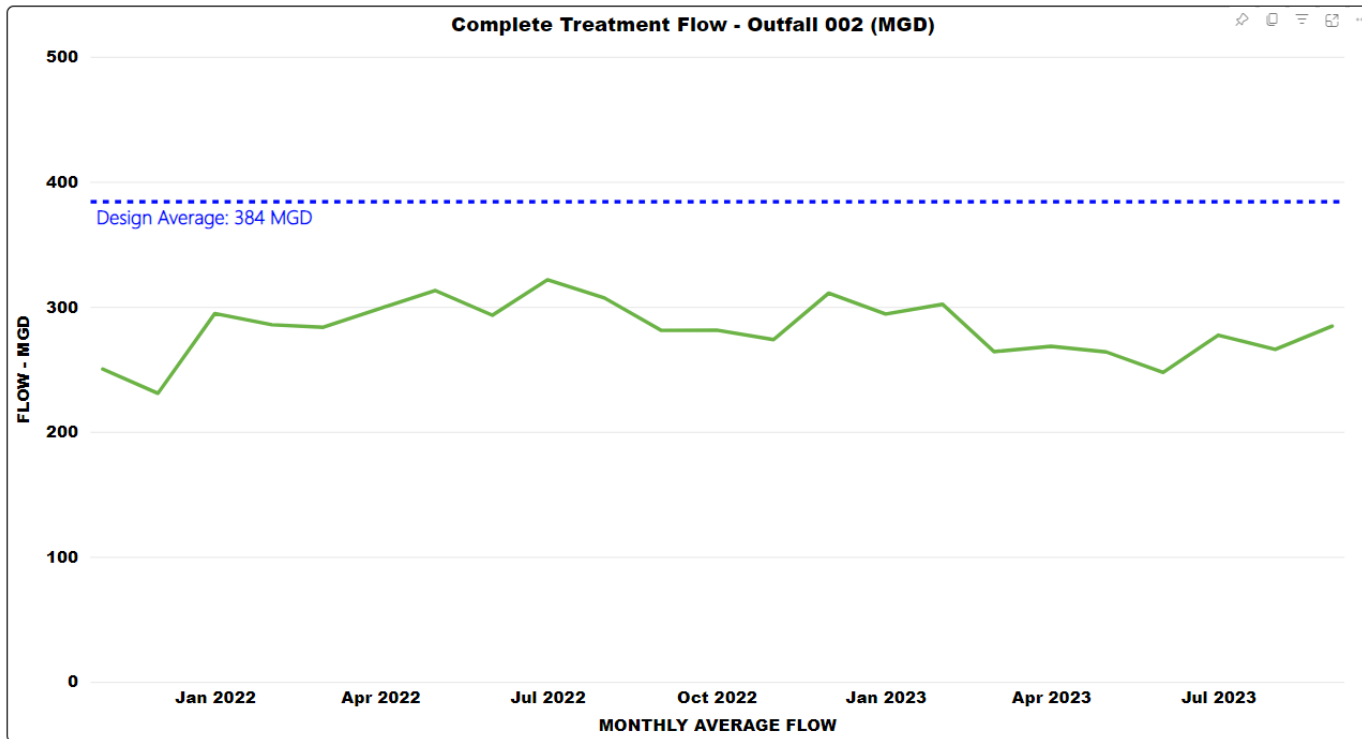


Nicholas Passarelli  
Vice President, Wastewater Treatment Operations



# Operational Performance Complete Treatment

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



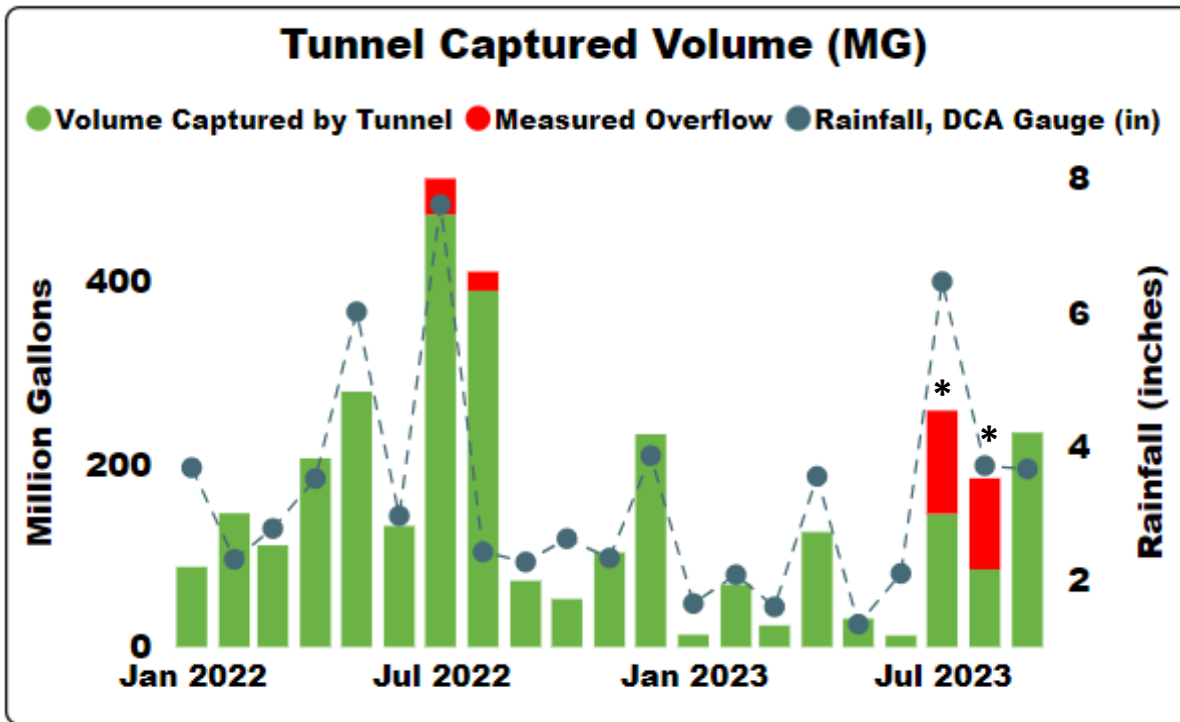
All weekly and monthly  
NPDES permit  
requirements were met

Average Outfall 002 flow  
for Sept: 284 MGD



# Operational Performance Tunnel Systems and Wet Weather Treatment

## Anacostia River Tunnel System Annual Performance 2022 – 2023 (Through Sept 2023)



## Total System Annual Performance 2018-2022

	Anacostia River Tunnel System	Total System
Number of events	61	398
Volume Captured, MG	14,786	18,177
Volume to CSO, MG	1,342	6,943
Percent Captured, %	91.7	72.4

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

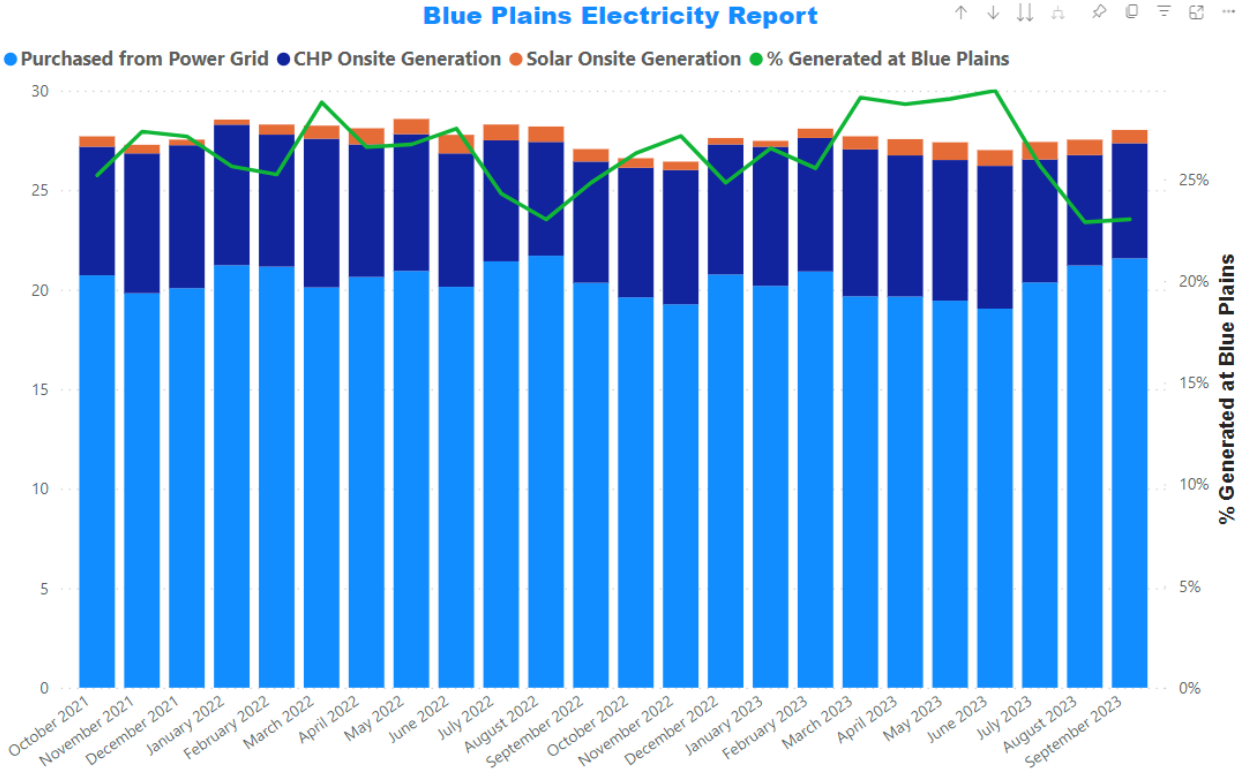
742 MG of volume captured by Anacostia Tunnel in Calendar Year 2023 through September, with 213 MG overflow, which took place in July and August due to outages required by NWBT commissioning

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



# Operational Performance Electrical Energy Use and Generation

## Blue Plains Electrical Energy Use and Generation

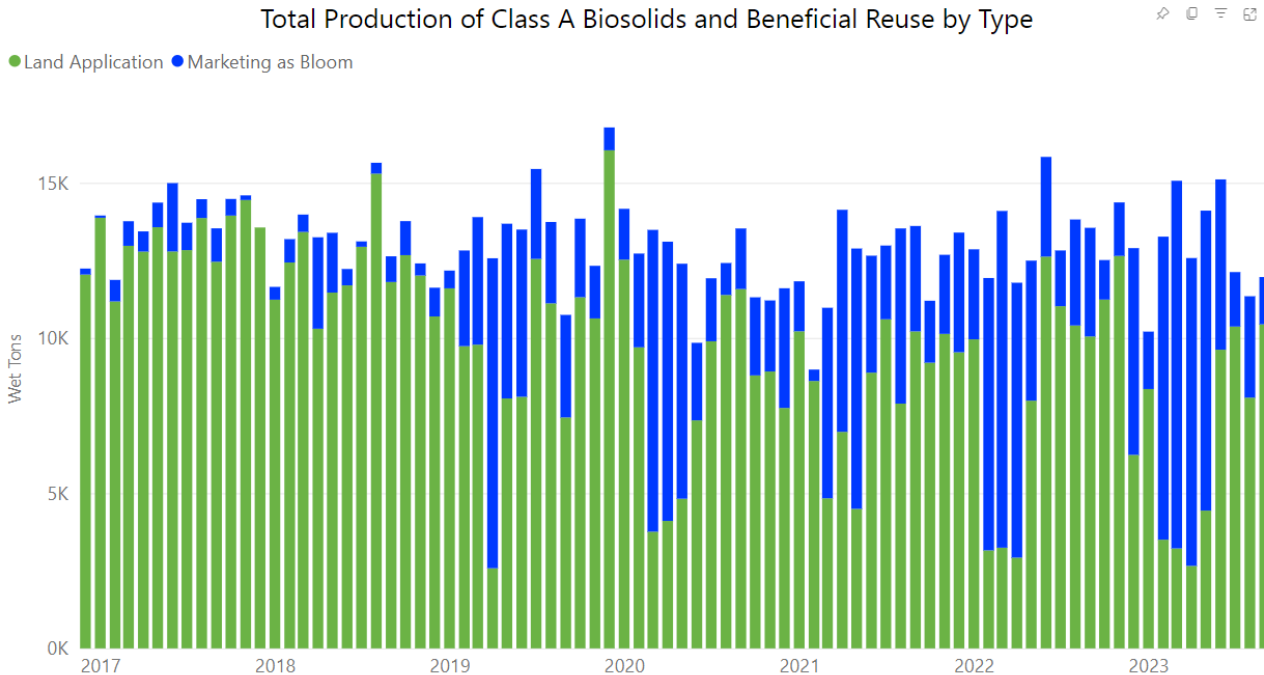


- 23% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 7.1 megawatts (MW), with 5.8 MW net to Blue Plains grid
- Solar System produced an additional 0.7 MW of power on average
- Total electricity consumption at Blue Plains averaged 28.0 MW
- DC Water purchased an average of 21.6 MW of electricity from PEPCO



# Operational Performance Class A Biosolids Production

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



In September, Blue Drop sold approximately 1,524 tons of Bloom, sending us further over the FY23 goal of 55,000 tons to 64,818 tons through FY23.

Blue Plains Produced 11,963 tons of biosolids for the month with the remaining 10,439 tons managed through land application contracts.





# *Clean Rivers Project Status Update*



DC Cleans Rivers Project Quarterly Update  
Environmental Quality & Operations Committee  
October 19, 2023

Moussa Wone, Vice President, DC Clean Rivers Project

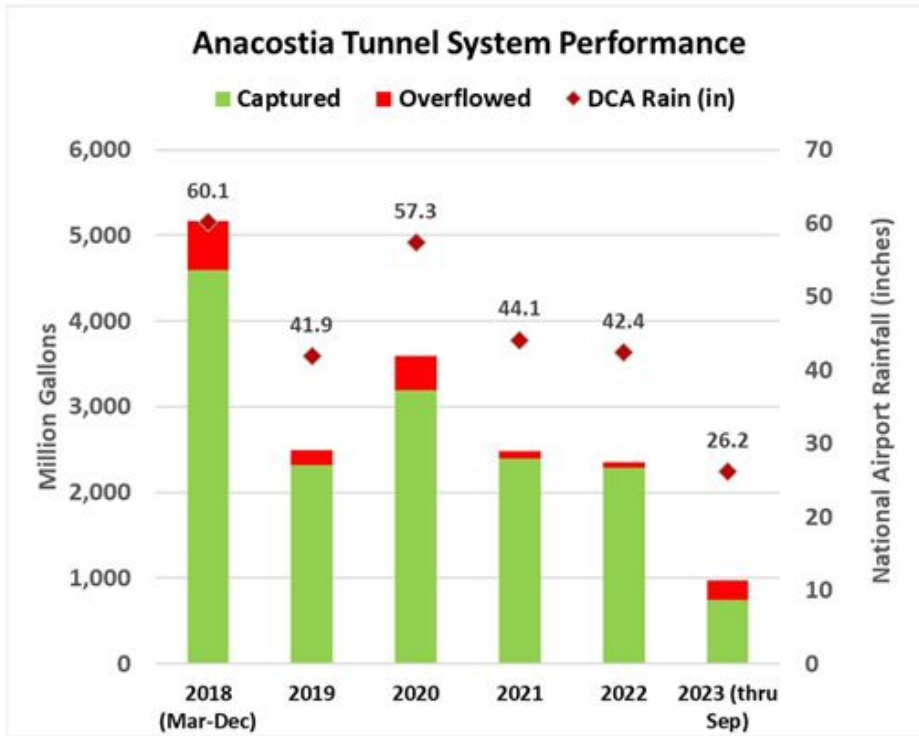


# Anacostia Tunnel System Performance



Over **15.5 billion gallons (137 million gallons captured during Sept. 22 Tropical Storm)** captured Mar 2018 – Sept 2023

Over **9,961 tons of trash**, debris, and other solids captured Exceeding predicted capture rate (91%>80%)



**Trash, Debris and Solids Removal from Screening Shaft at Tunnel Dewatering Pumping Station**

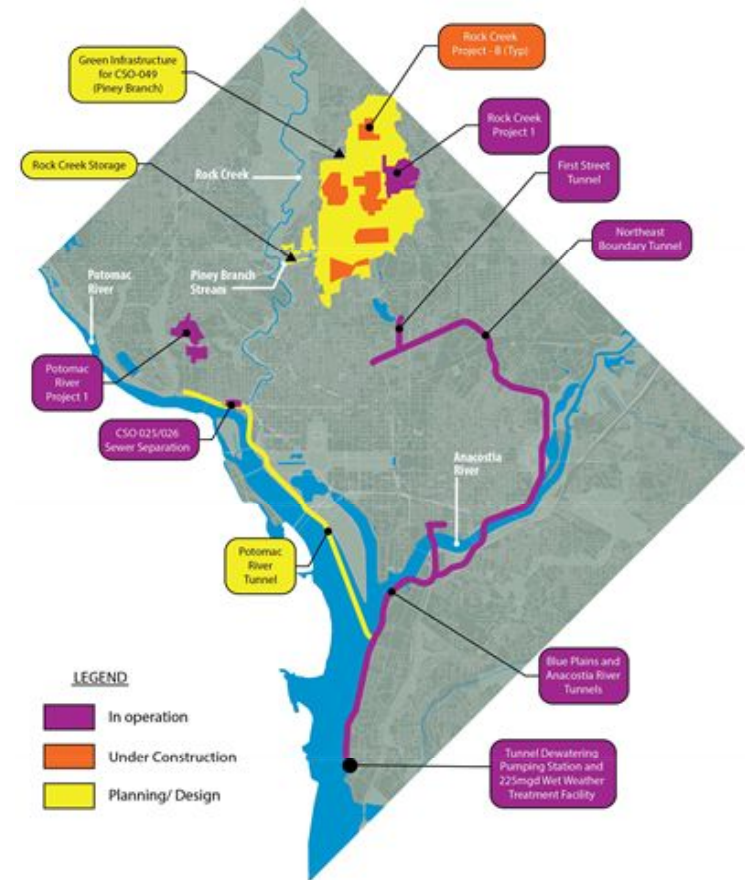
Performance affected by commissioning of Northeast Boundary Tunnel, which had CSO 019 diversion to tunnel out of service July-Aug 2023



# DC Clean Rivers Project Snapshot

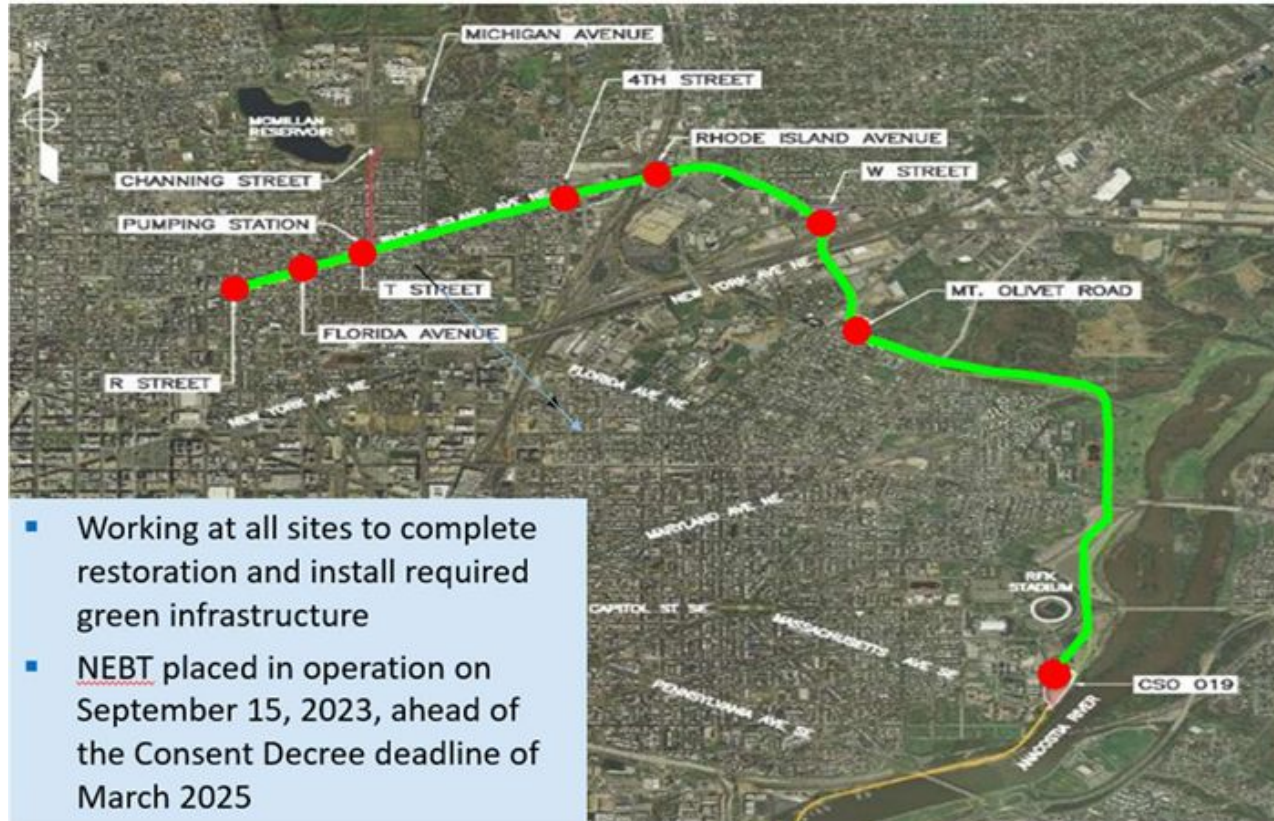
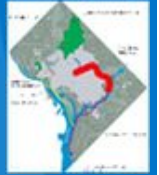


Area	Status
<b>Anacostia</b>	
Anacostia Tunnel System	<ul style="list-style-type: none"> <li>• More than 15.5 billion gallons captured</li> <li>• More than 9,961 tons of trash/debris removed</li> </ul>
Northeast Boundary Tunnel	<ul style="list-style-type: none"> <li>• Tunnel commissioned September 15, 2023.</li> </ul>
<b>Potomac</b>	
CSO 025/026 Separation	<ul style="list-style-type: none"> <li>• Completed, administrative closeout underway</li> </ul>
Potomac Tunnel Advance Utility Construction	<ul style="list-style-type: none"> <li>• Project has achieved Substantial Completion</li> <li>• Remaining work at CSO 024 to accommodate for PEPCO relocation for Potomac Tunnel</li> </ul>
Potomac Tunnel Construction	<ul style="list-style-type: none"> <li>• Board approved design-build contract Oct 5, 2023, Notice to Proceed is pending</li> </ul>
<b>Rock Creek</b>	
Green Infrastructure (GI) Project B	<ul style="list-style-type: none"> <li>• Three alley segment permeable pavements are currently under construction.</li> <li>• Substantial Completion: October 21, 2023</li> <li>• Final Completion: December 29, 2023</li> <li>• Consent Decree Date: January 23, 2024</li> </ul>



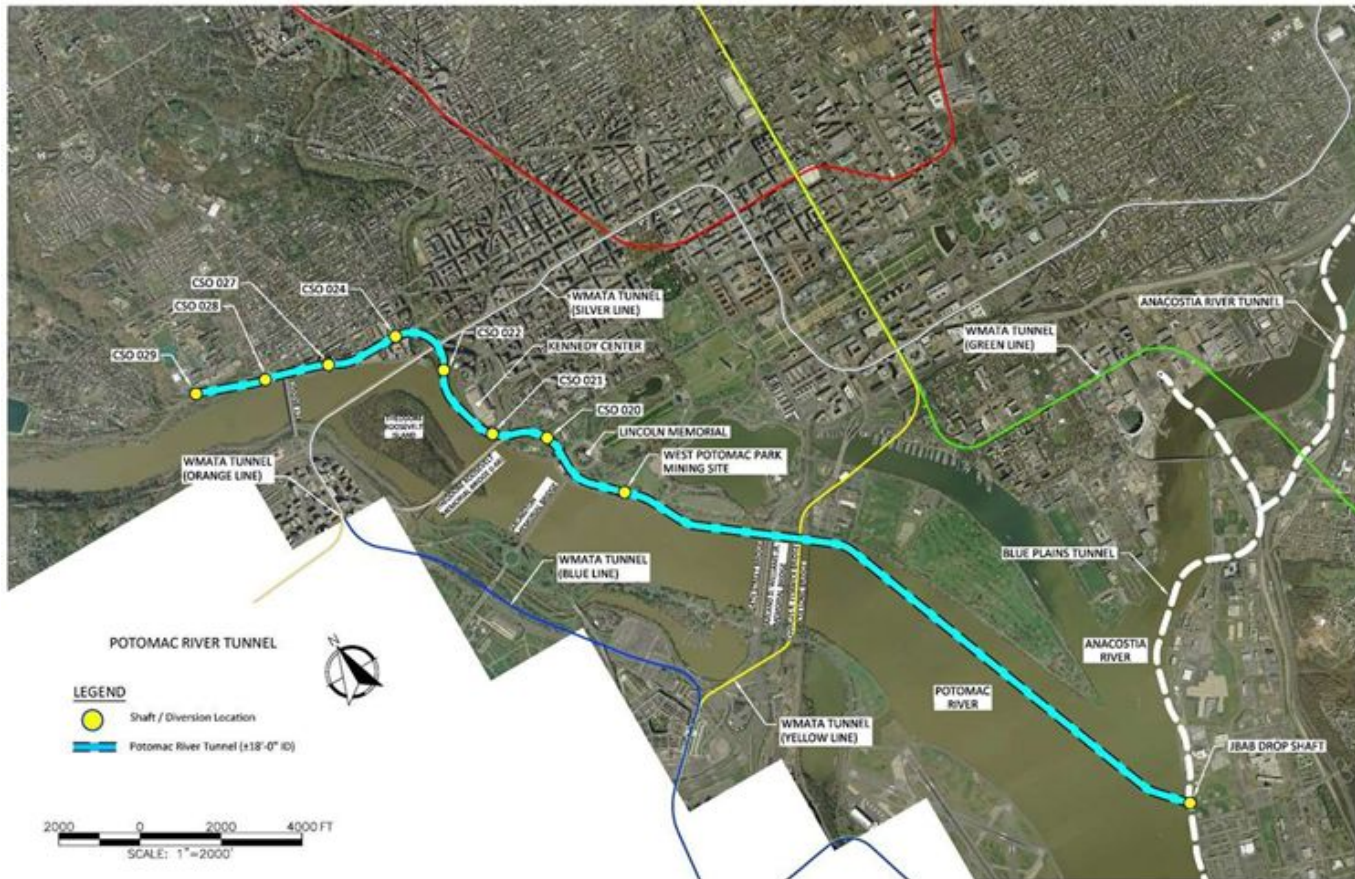


## Division J – Northeast Boundary Tunnel Construction Progress





# Potomac River Tunnel



## Tunnel Contract

### (Best Value Design-Build):

- ✓ Board approved contract to CBNA/Halmar Joint Venture (JV) Oct. 5, 2023
- Notice to Proceed (NTP): Nov. 2023
- Place in Operation: Feb. 2030



## Potomac River Tunnel Contract A Advanced Utility Construction



Purpose: Construct high voltage electric duct banks to power Potomac River Tunnel Contract B (PRT-B) tunnel boring machine and construct power drops to shaft work sites for PRT-B.

Substantial Completion achieved on May 26, 2023

Installation of an additional 4-way duct bank in K Street NW beneath the Whitehurst Freeway is ongoing.

Final completion, is scheduled for October 31, 2023.



Pepco 4-Way in K Street NW



# Green Infrastructure Rock Creek Project B





## Consent Decree Requirements

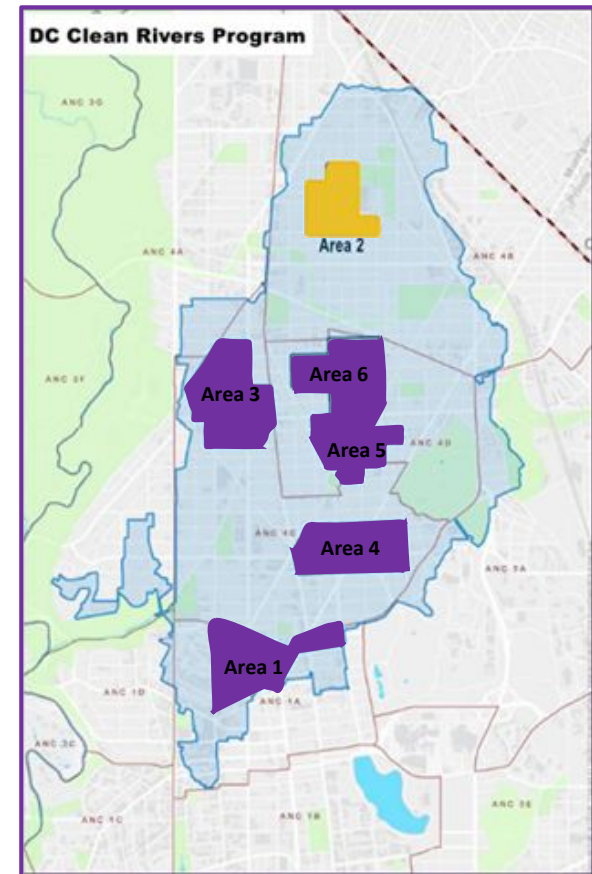
- Manage 22 impervious acres with GI
- Place in operation by January 23, 2024

## Construction Status

- Area 1 – Columbia Heights  
All facilities completed
- Area 2 – Takoma DC  
Three (3) APPs segments in construction
- Area 3 – 16th St Heights  
All facilities completed
- Area 4 – Grant Circle  
All facilities completed
- Area 5 – Sherman Circle  
All facilities completed
- Area 6 – Brightwood Park  
All facilities completed


### Legend

-  In Operation
-  Under Construction





**dc** **DC Clean Rivers Public Outreach Efforts**



Category	Activities:
<b>Community Coordination</b>	<ul style="list-style-type: none"> <li>Initiated outreach to complete PRT-B pre-construction surveys: 32 properties contacted, and 20 property surveys completed.</li> <li>Completed walkthrough with residents and Commissioner Parker's office to answer restoration questions and address safety concerns.</li> </ul>
<b>Community Outreach</b>	<ul style="list-style-type: none"> <li>Providing updates to the community and Commissioner of 2E05 regarding PRT-A CSO 024 Phase 5 work.</li> <li>Engaging communities about NEBT restoration work and coordinating with the contractor to minimize impacts.</li> <li>Extending outreach to Channing Street NW communities about work on structures necessary to put the FST system in its final configuration.</li> <li>Completion of the Downspout Disconnection Program resulting in a total of 471 downspouts disconnected.</li> </ul>
<b>Milestone Celebration</b>	<ul style="list-style-type: none"> <li>DCCR and OMAC collaborating to organize the Anacostia River Tunnel System Commissioning Celebration, on October 21, 2023, at the Anacostia Park Roller Skating Pavilion.</li> </ul>



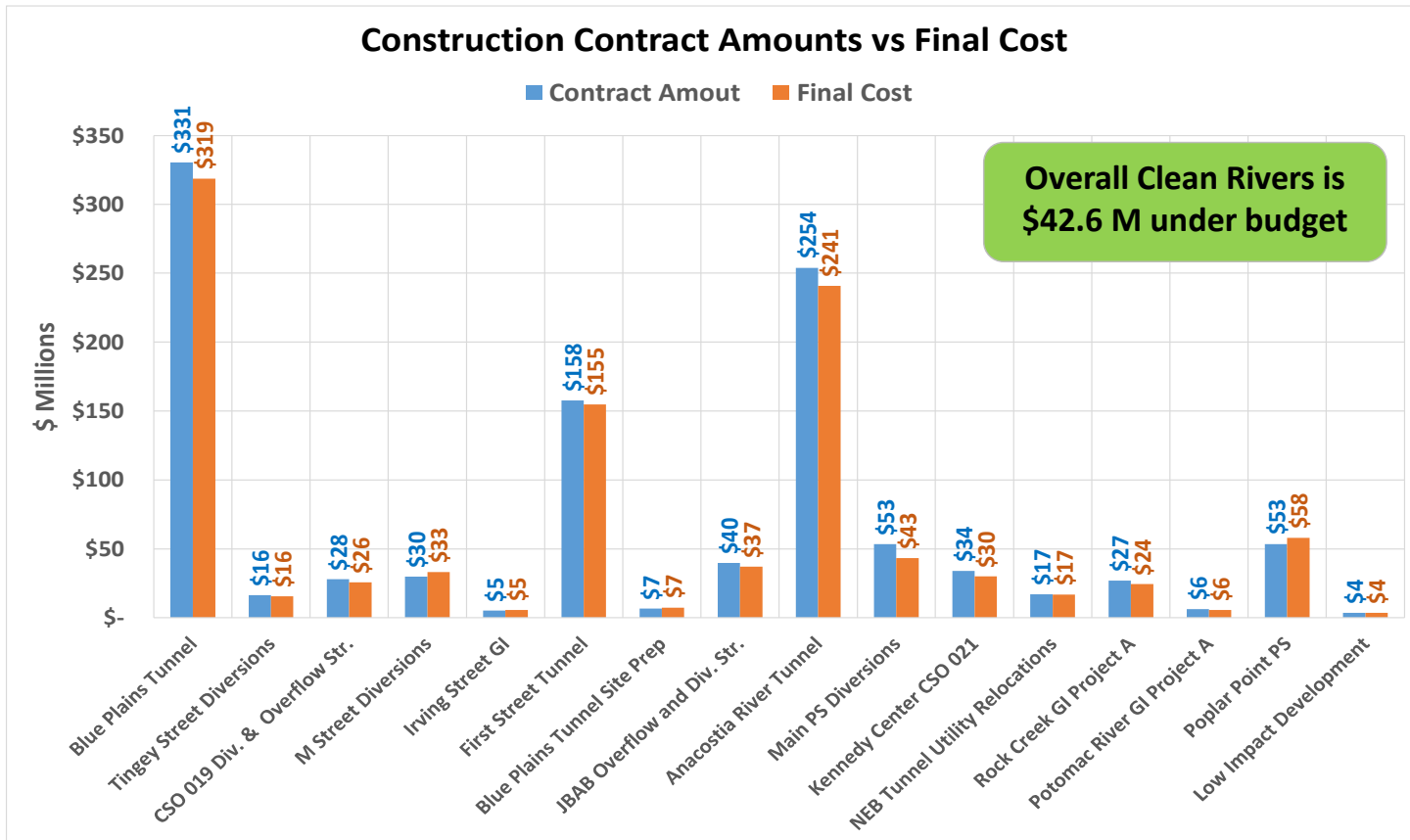
**DC Water @dcwater · 3h**

After 6 years, 3.6M person-hours, 26,737 ft of tunneling, and 270 forums, the Northeast Boundary Tunnel (NEBT) is in service! It completes the Anacostia River Tunnel system, reducing overflows by 98%. Join the celebration at Anacostia Park Roller Skating Pavilion, Saturday Oct 21.



**dc** Northeast Boundary Tunnel Completion  
**DC Water invites you to celebrate a Cleaner Anacostia River!**  
**Save the Date!**  
 Saturday, October 21, 2023  
 10am to 1pm

564



**Overall Clean Rivers is \$42.6 M under budget**

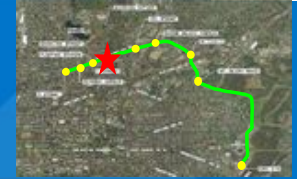
**Clean Rivers expenditures on Northeast Boundary Tunnel are not expected to exceed the budget**



# Northeast Boundary Tunnel Surface Work Detailed Updates



## Division J – Northeast Boundary Tunnel Construction Progress: Tunnel

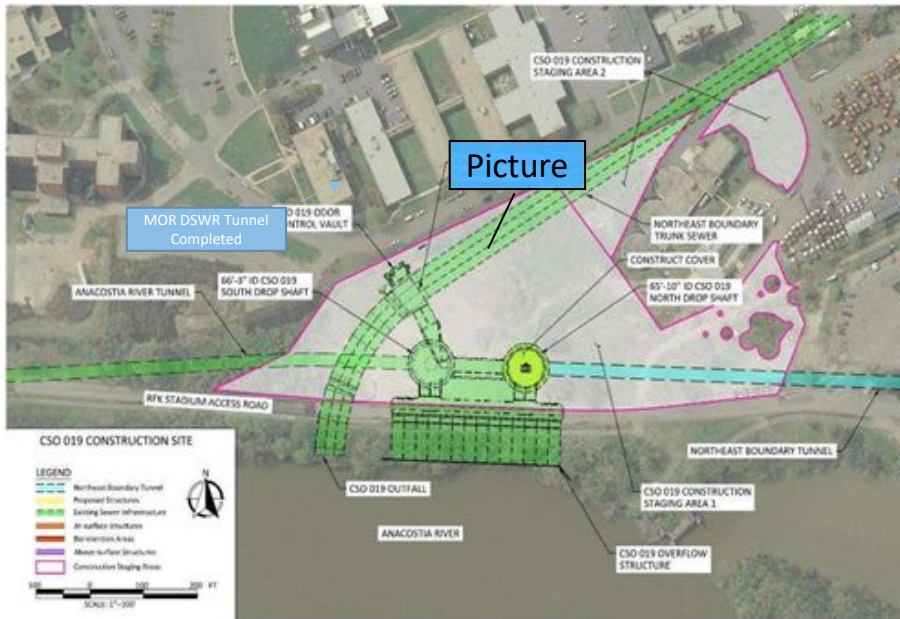
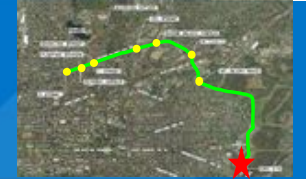


NEBT Tunnel

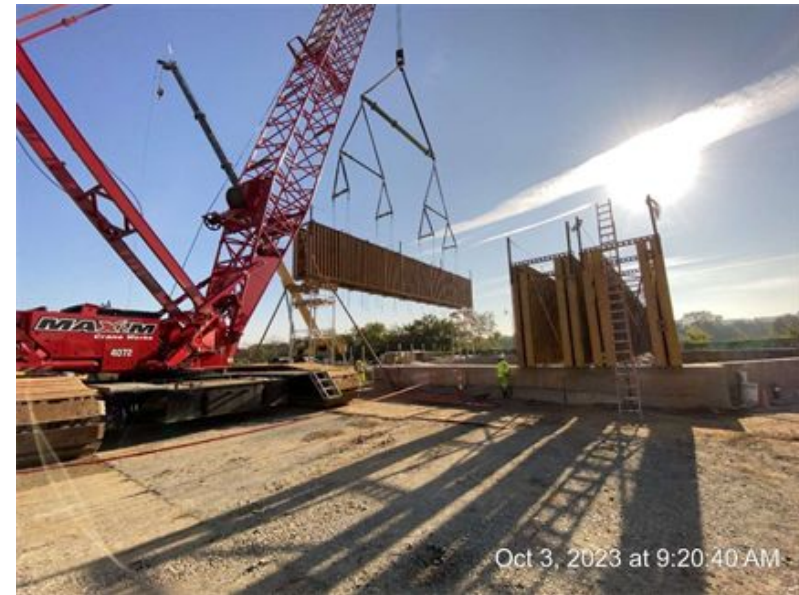
- Commissioning of the NEBT Tunnel is complete



## Division J – Northeast Boundary Tunnel Construction Progress: CSO 019 (near RFK Stadium)



Site Plan



- Site restoration work ongoing
- Working on completing the shaft cover



# Division J – Northeast Boundary Tunnel Construction Progress: Mount Olivet Road



Site Plan



MOR DC Road Base Concrete

## Drop Shaft Site

- Site restoration and construction of Green Infrastructure Bioretention Ponds

## Diversion Chamber Site

- Site restoration and construction of Green Infrastructure Bioretention Ponds



## Division J – Northeast Boundary Tunnel Construction Progress: W Street



Site Plan

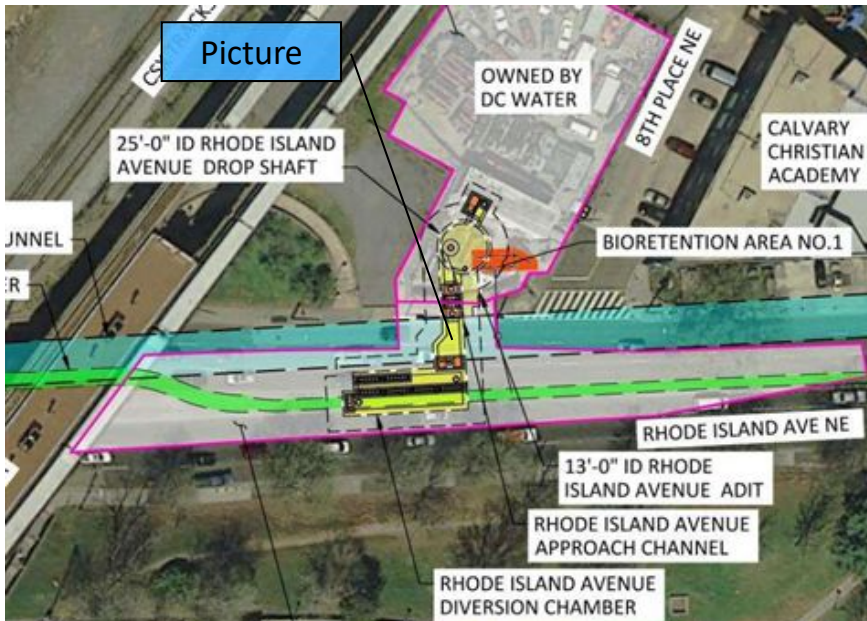
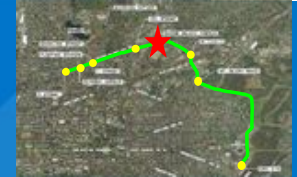


Ventilation Control Facility

- Continue Ventilation Control Facility (VCF) mechanical, electrical and plumbing work including setting the Motor Control Cabinet (MCC) and Adjustable Frequency Drives (AFDs)
- Continued VCF Exterior Precast Panel Installation and commenced Curtain Wall installation
- Commenced installation of the Green Roof
- Completed the overhead door installations, roof fall protection system, and monorail crane steel



## Division J – Northeast Boundary Tunnel Construction Progress: Rhode Island Avenue



Site Plan



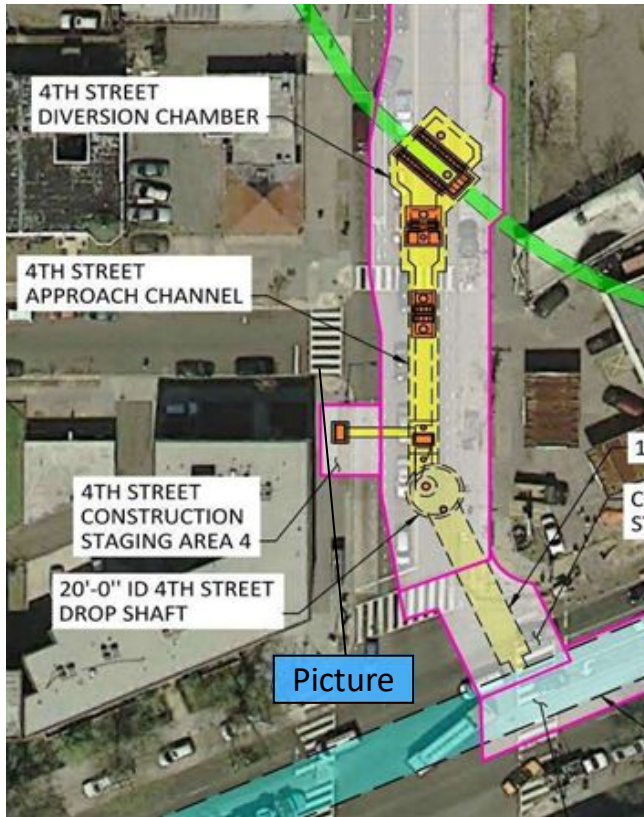
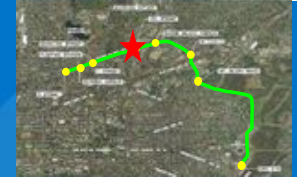
Site Restoration

- Completed construction of Inlet 1 (District Dogs NE side) and Bioretention
- Commissioned the Near Surface Structures by setting stop logs, removing gates, and installing orifice plates.
- Commenced site restoration including roadway and sidewalks





## Division J – Northeast Boundary Tunnel Construction Progress: 4<sup>th</sup> Street



Site Plan

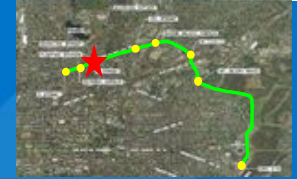


4<sup>th</sup> Street Restoration

- Completed striping the roadway
- Commissioned the Near Surface Structures by setting stop logs, removing gates, and installing orifice plates.



## Division J – Northeast Boundary Tunnel Construction Progress: T Street



Site Plan

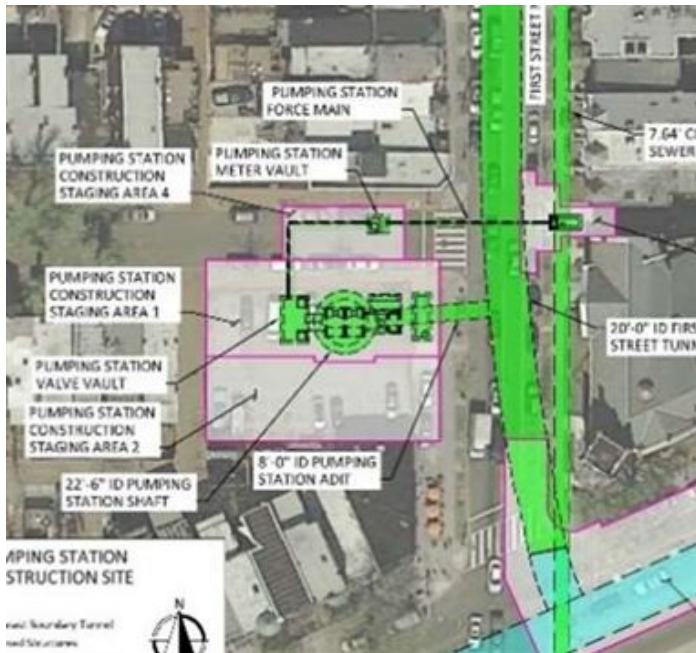
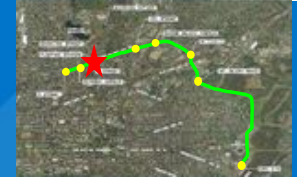


Sidewalk Restoration

- Completed sidewalk and pavement restoration
- Continue performing restoration activities along Rhode Island Avenue and T Street



## Division J – Northeast Boundary Tunnel Construction Progress: Pump Station



Site Plan



Pump Station Shaft

- Completed installation of inlet on eastbound lane of Rhode Island Avenue
- Performing restoration activities along Rhode Island Avenue and T Street
- Pump Station (PS) Shaft Flow Filled



# Rock Creek Project B (Green Infrastructure) Detailed Update



## Green Infrastructure Rock Creek Project B



- 47 Alleys Segments Permeable Pavements (APPs) within the sewershed have passed their functional test and are providing a performance benefit
- Contractor working on the last three APPs



## Green Infrastructure Rock Creek Project B



- All the 19 Planter Bioretentions (PBRs) within the sewershed have been completed, passed their functional test, and are providing a performance benefit



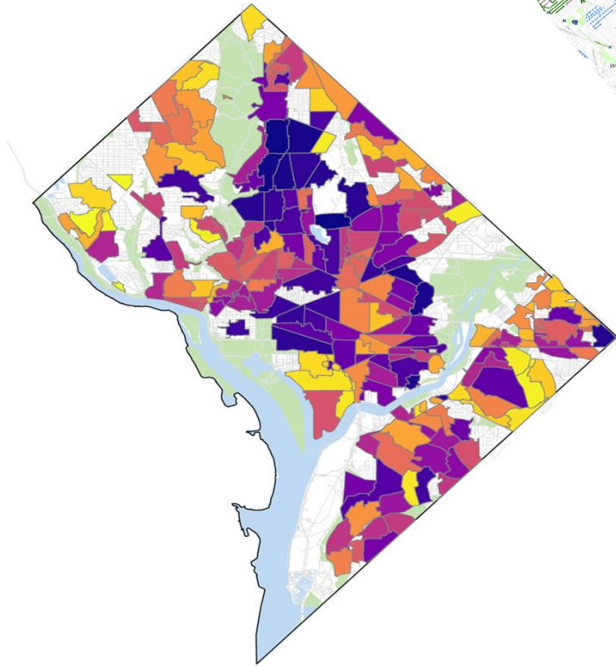
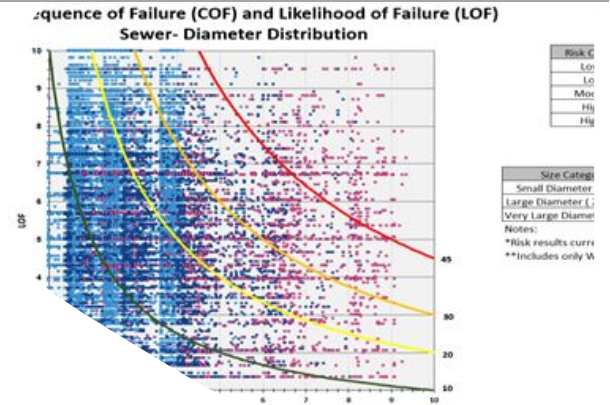
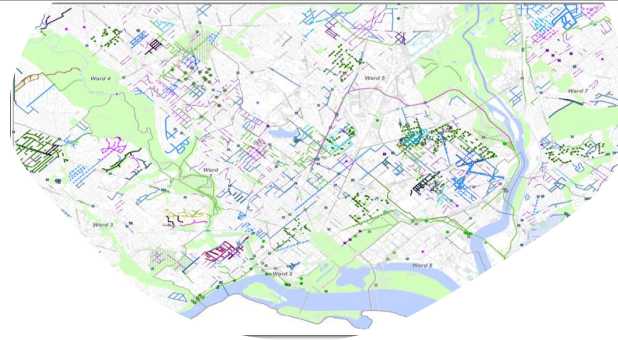
# *Risk-based prioritization of Linear Assets*



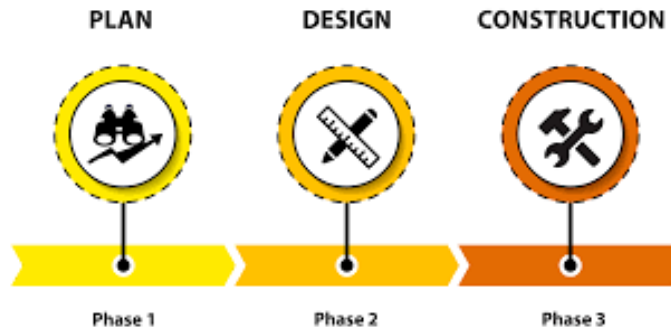
# Risk-based prioritization of Linear Assets

## Environmental Quality & Operations Committee

October 19, 2023



Prioritization Polygons Ranked by Risk and Equ'



Getachew Melsew, Senior Manager, Planning, Engineering





## The Importance of Asset Renewal



### **Aging Infrastructure**

Aging pipes are a considerable risk. It leaves our systems vulnerable to leaks and breaks when they reach the end of their service life.



### **Regulatory Compliance**

State and federal laws require us to keep our facilities in good running order.



### **Protecting Public Health**

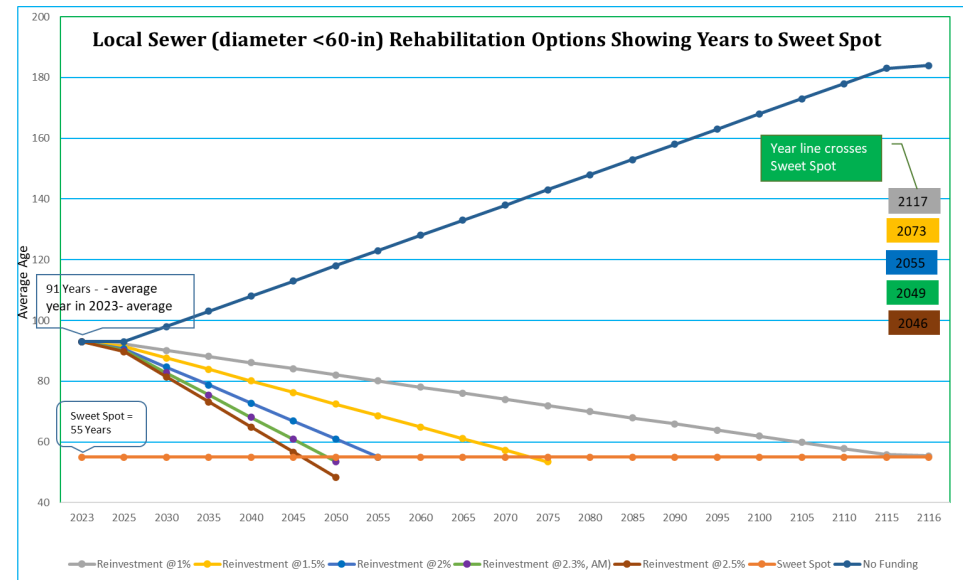
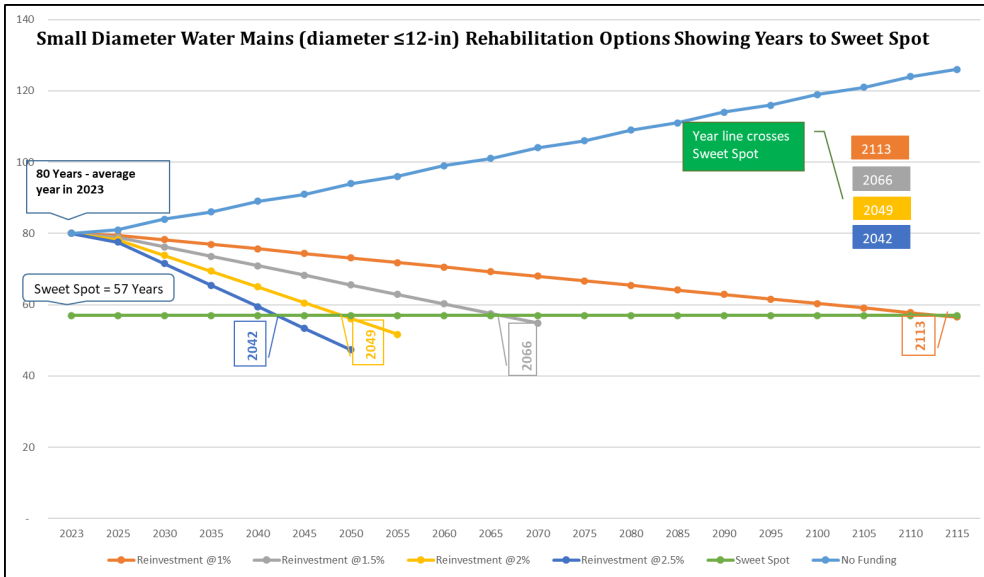
Renewed assets ensure a secure and safe water infrastructure for our communities provided by us.

**It is our core mission to exceed expectations by providing high quality water services in a safe, environmentally friendly, and efficient manner.**



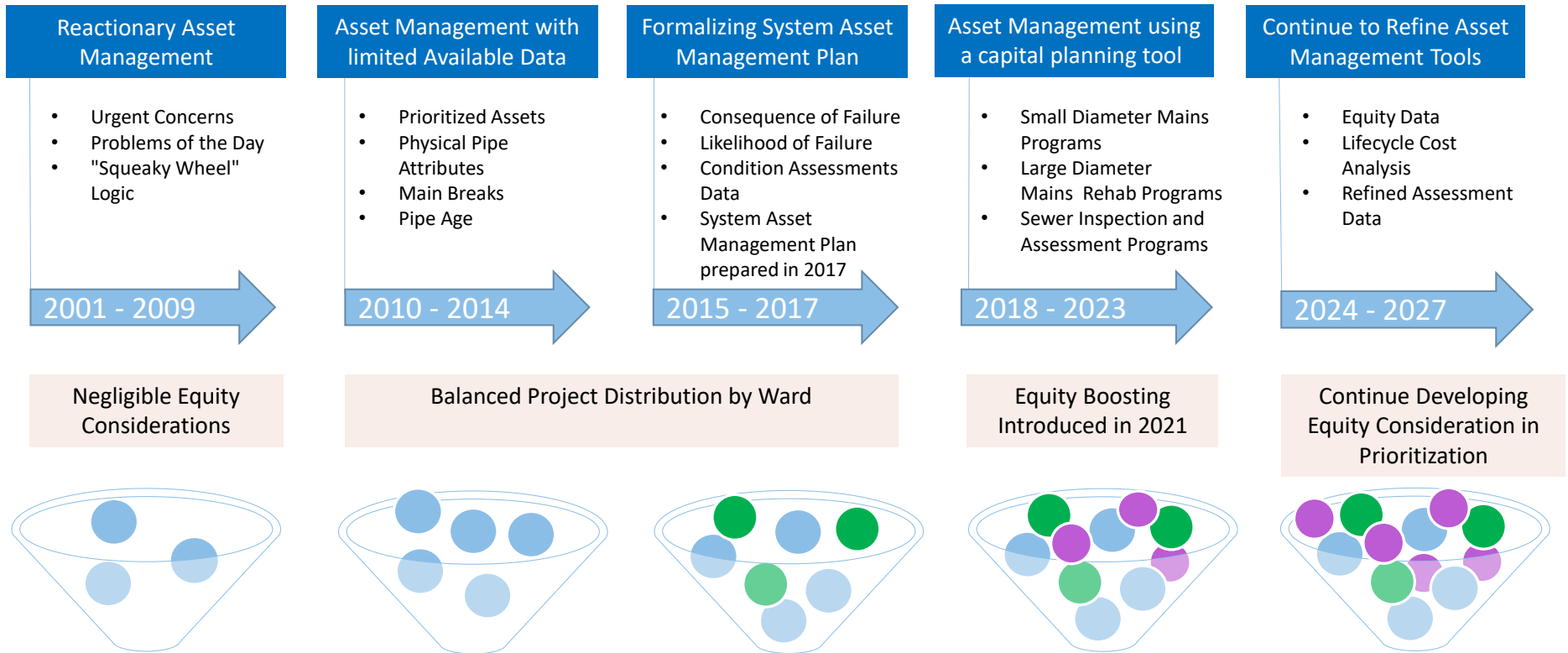
# The Importance of Asset Renewal

- 💧 Goal: Achieve a balance between asset age and remaining useful life
- 💧 Asset age << residual service life = new system or extensive investment into system
- 💧 Asset age >> residual service life = old system and under investment into system
  - System will reach the end of its service life soon
  - High investments required in the future
- 💧 “Sweet Spot”: Asset Age = Residual Service Life
  - Target value: residual service life 40-60% of asset age
  - Continuous and adequate asset renewal per model => 50%





# Linear Asset Management Timeline





# Prioritizing Asset Renewal to Minimize Risks

Our risk prioritization approach protects the community



### Assessing Condition and Capacity

Assess asset conditions and conduct hydraulic modeling to determine assets condition and capacity.



### Evaluating Consequences

Determining the impact of a failure on our residents, businesses, and the environment.



### Probability Analysis

Calculating the likelihood of a failure based on condition, past incidents and future scenarios.



### Mitigating Risks

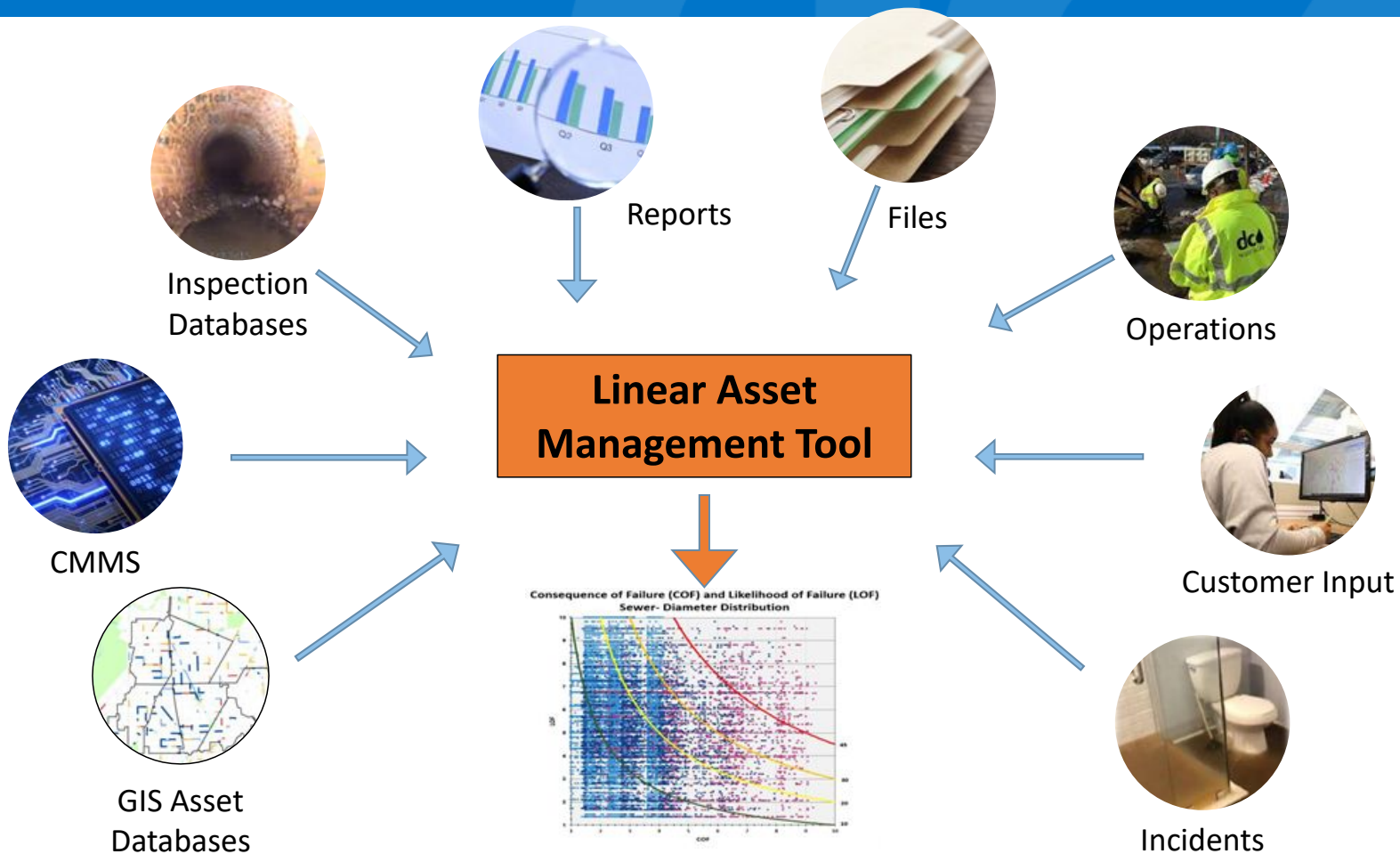
Using risk modeling, cost-benefit and equity analysis to prioritize renewal investments.



How can our risk prioritization and scoping reflect varied impacts and vulnerable communities' needs better? **It's a data driven process.**



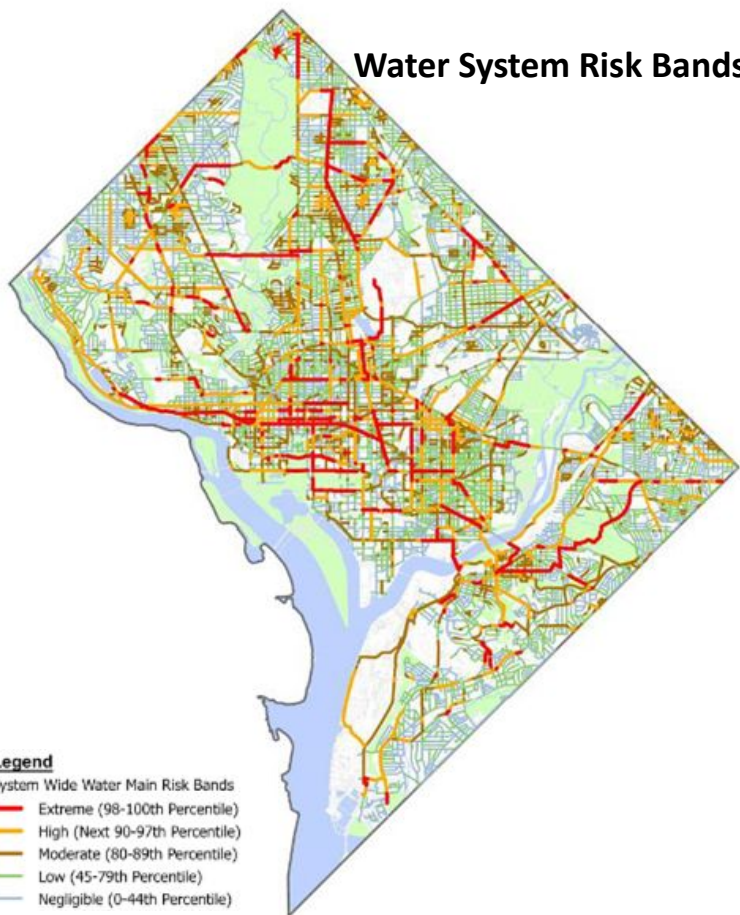
# Data Driven Process





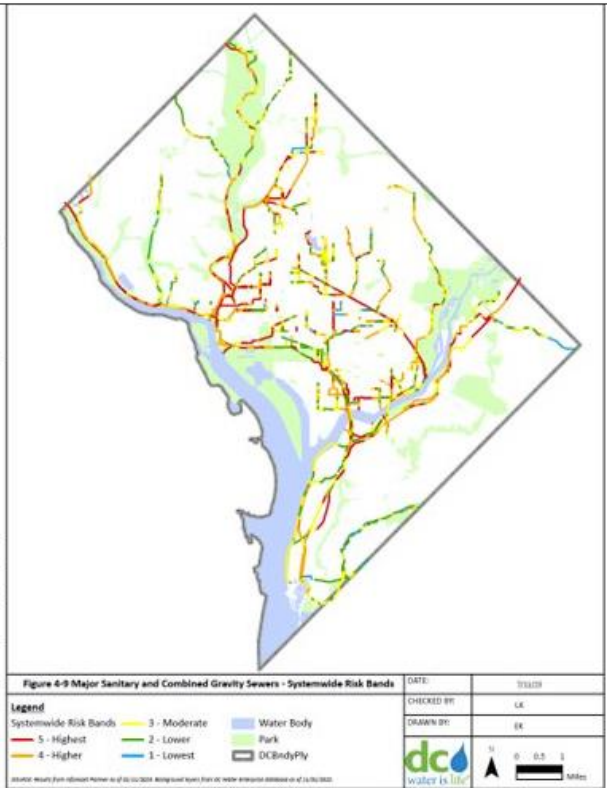
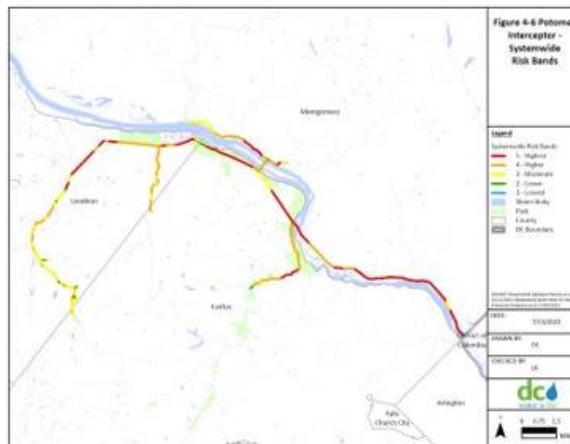
# Risk Profiles of the Water and Sewer Systems

**Water System Risk Bands**



**Major Sewers (≥60 in) Risk Bands**

Risk Category	Length-Weighted Threshold	2023
5 - Highest	3%	45 - 86
4 - Higher	5%	30 - 45
3 - Moderate	11%	20 - 30
2 - Lower	47%	10 - 20
1 - Lowest	34%	1 - 10

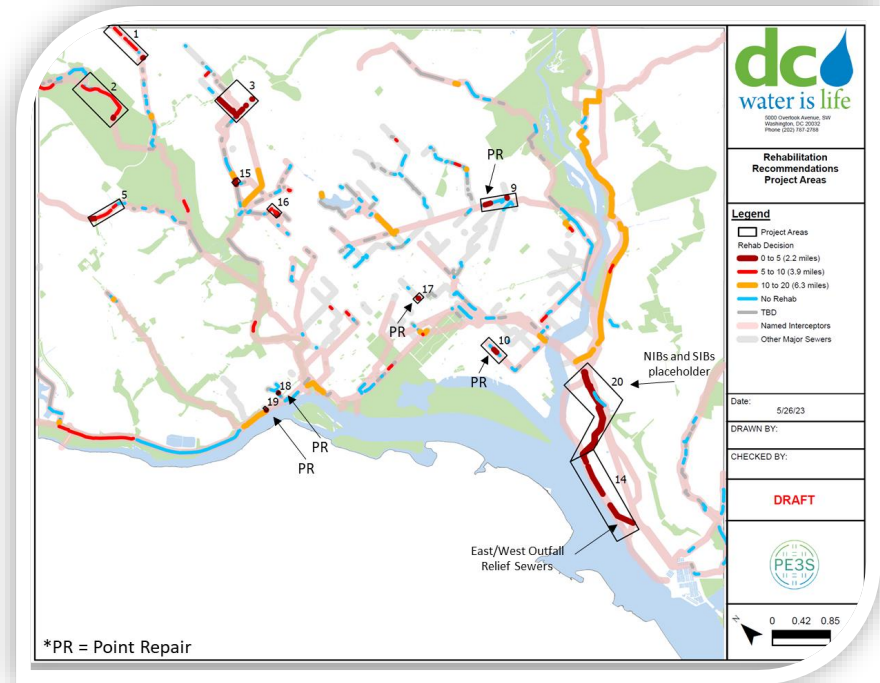
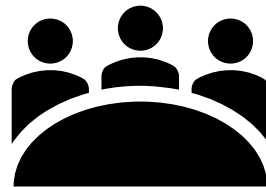
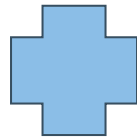
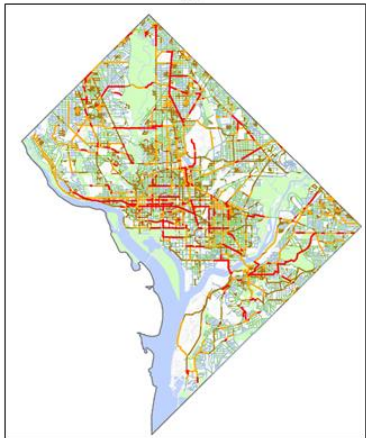
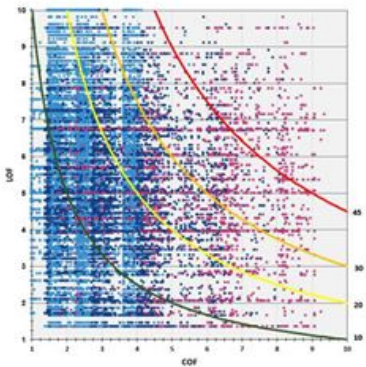




# Applying Engineering Judgement to Model Results

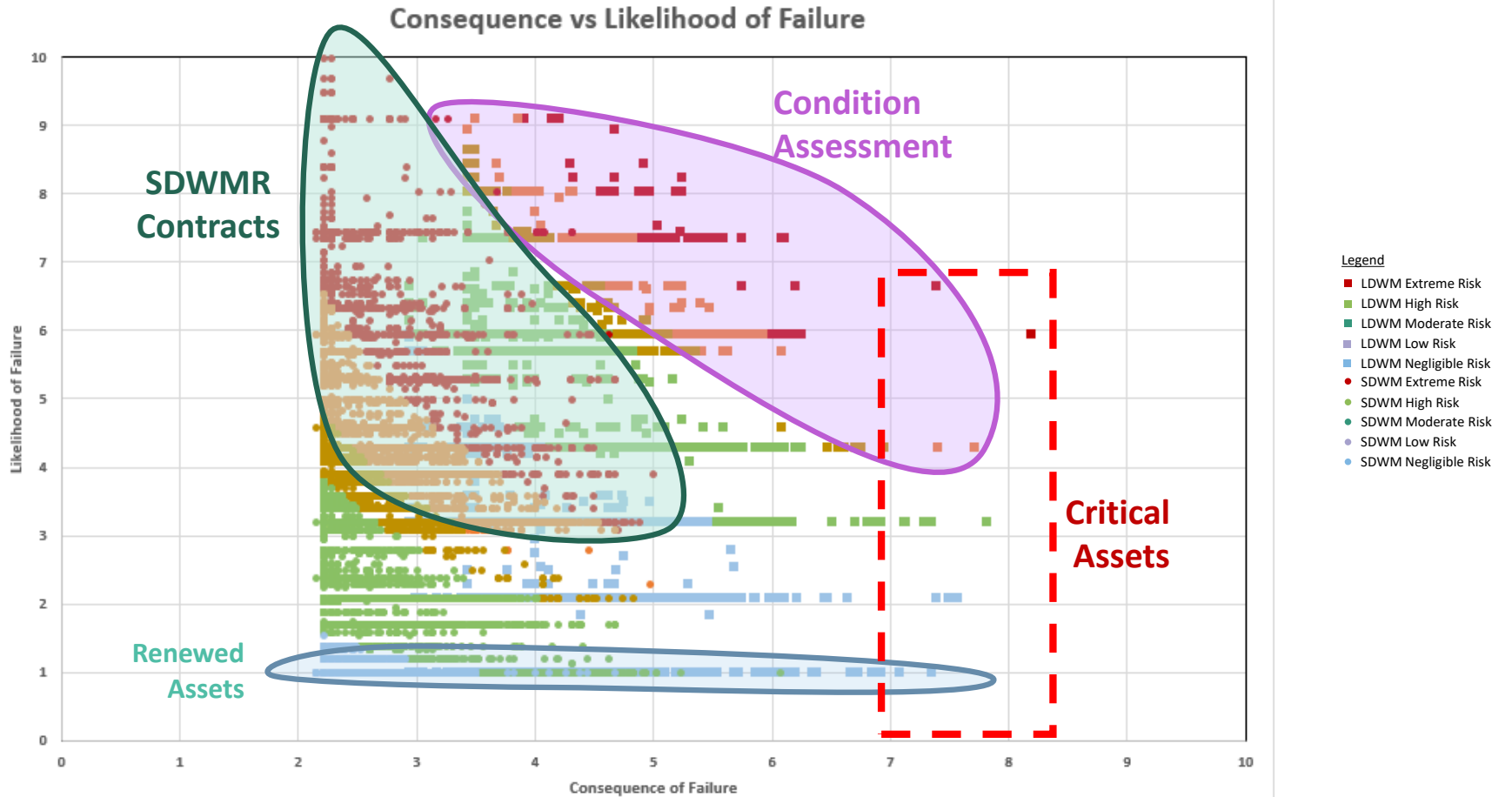
What follows computing asset risk?

Consequence of Failure (COF) and Likelihood of Failure (LOF)





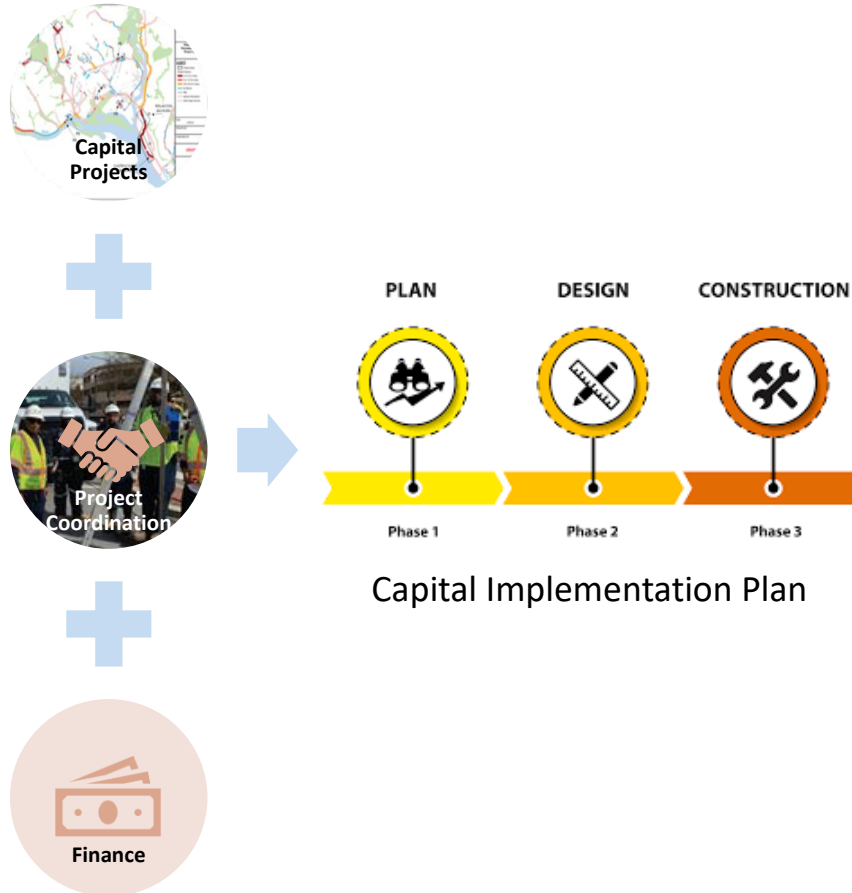
# Utilizing Asset Management Tools





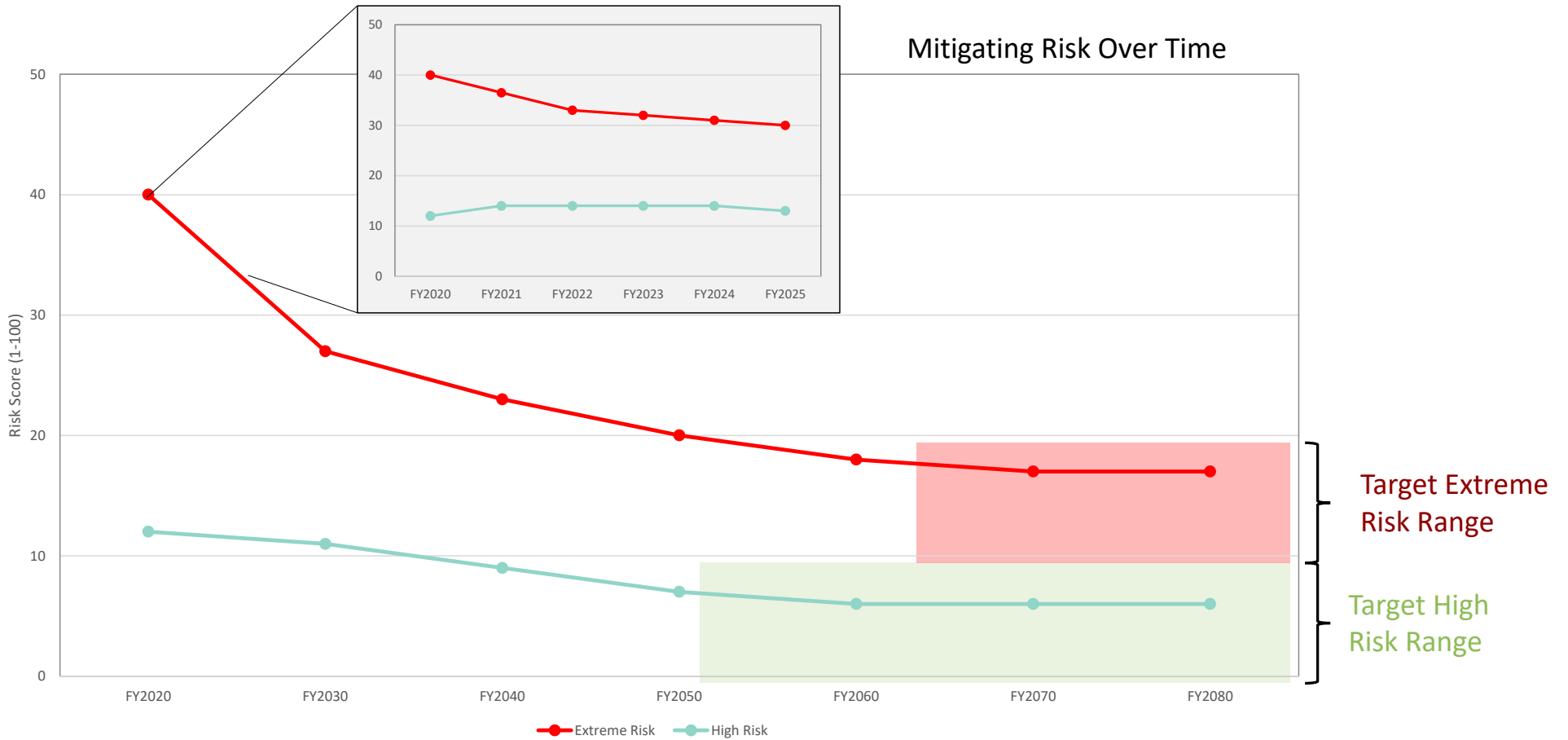


# CIP Implementation Plan



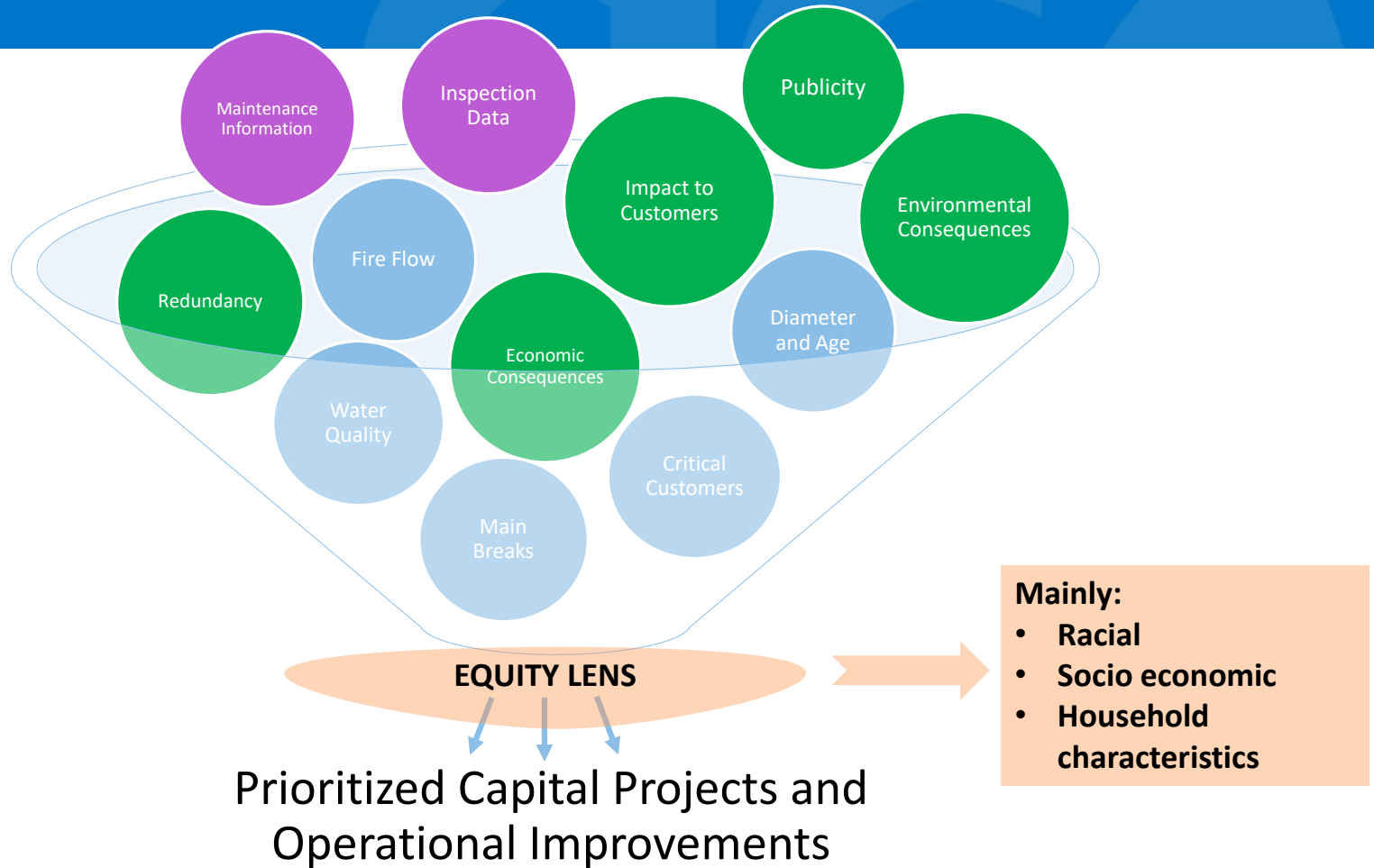


# Mitigating Risk In The Future



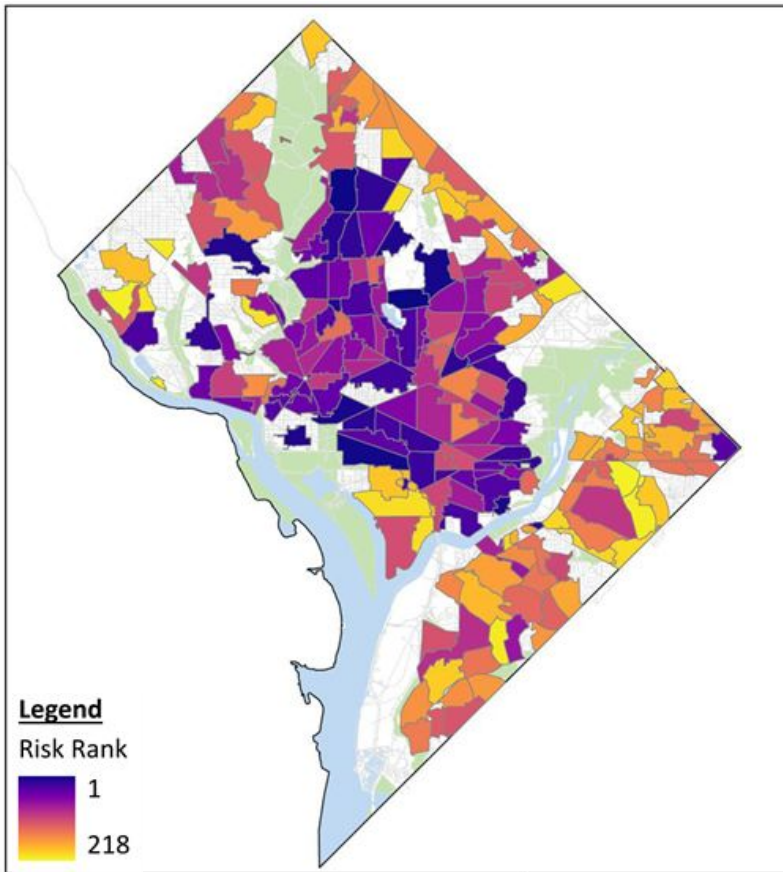


# Equity in Planning

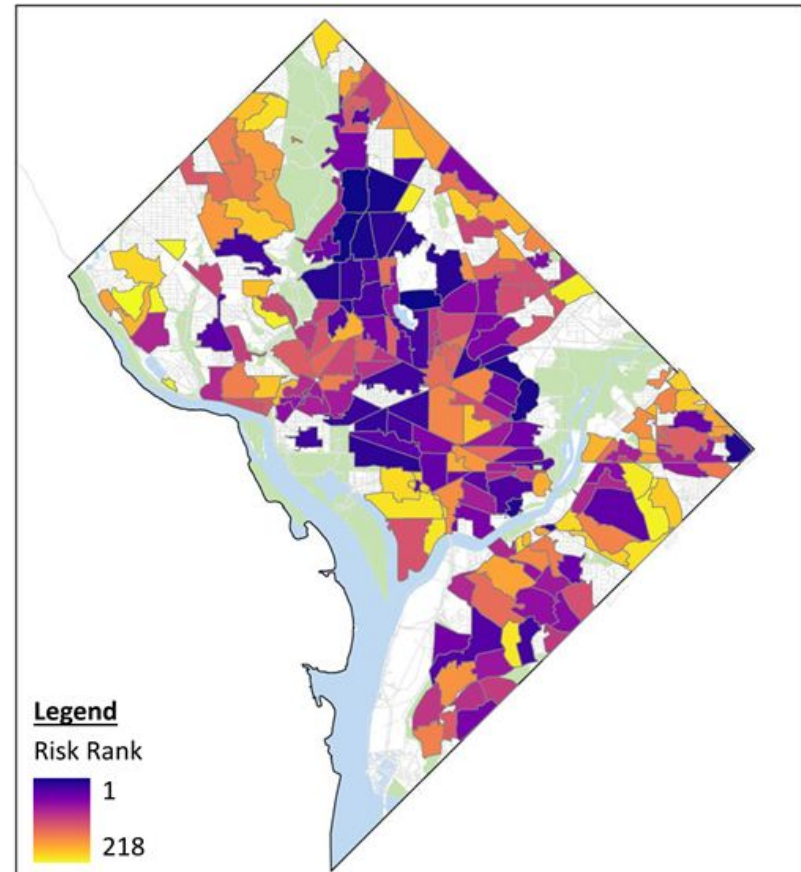




# Empowering Communities through Equitable Projects



**Prioritization Polygons Ranked by Risk**



**Prioritization Polygons Ranked by Risk and Equity**



## Prioritizing Equity through Effective Utility Services

- Investing in both large and small pipes for our system to work as a whole



### Large Pipes Program

- > Meet high-demand areas
- > Serve long distances
- > Connects communities
- > Reliability during peak hours



### Small Pipes Program

- > Serves households and small businesses
- > Ensures equitable access in underserved neighborhoods
- > Enhances resilience

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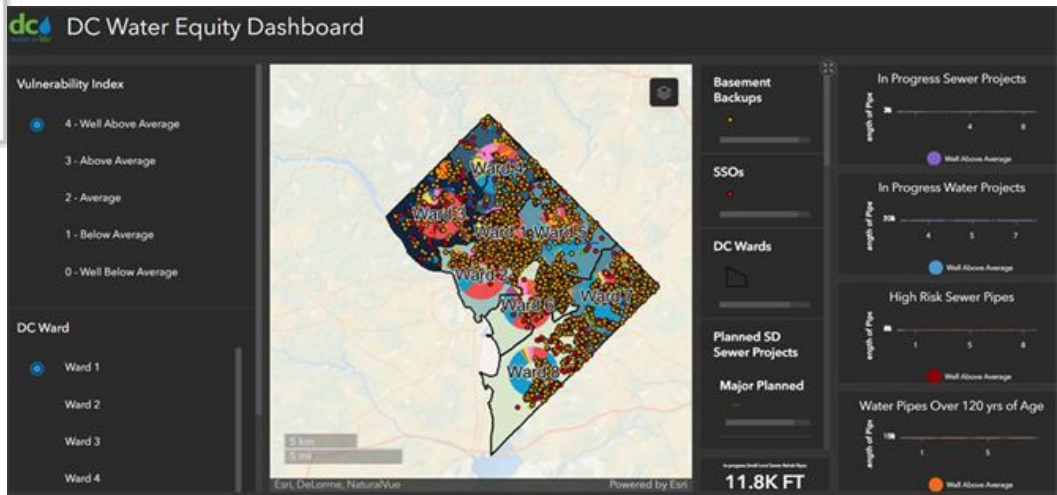
### Consequences (if we fail to invest equally in both programs):

- > Inequitable access for our vulnerable communities
- > Increased costs for our stakeholders
- > Decreased resilience for all our communities





# Tracking Performance and Analysis Tools

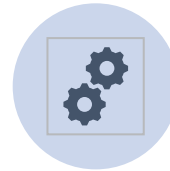




## A Look Ahead: The Future of Asset Management



Data Management  
and Dashboards



Technology  
and Analysis Tools



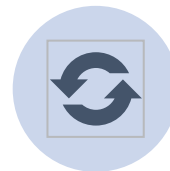
Community  
Engagement



Training Team  
members



Work with City  
Programs



Ongoing process  
with iterations





# *Styrene Cost Impacts to CIP*



Cost Impacts to CIP due to CIPP changes  
Environmental Quality & Operations Committee  
October 19, 2023

- Background on Soapstone
- Cost Impacts on Soapstone
- Cost Impacts on upcoming projects
- Next Steps



William Elledge  
Director, Engineering & Technical Services



## Background

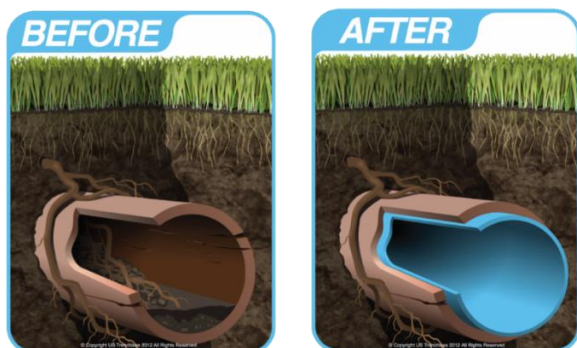
### Soapstone Valley Park Creek Bed Sewer Repair and Rehabilitation Project

- 6,200 Linear feet of sewer pipe rehabilitation
- Repair of impaired stormwater outfalls
- Soapstone stream restoration
- Cured in Place Pipe Lining (CIPP)
- Curing process and resin changed to minimize potential for air emissions





## Cost Impacts: Soapstone



- Changed curing method
- Changed resin type
- Conducting air quality sampling (Water Research Foundation)
- Total VOCs will be measured in real-time using a PID (photoionization detector)
- Specific monitoring will be performed for concentration of cumene and acetophenone with GC-MS (gas chromatography mass spectrometry)
- Emissions testing at the terminal discharge manhole will quantify emissions released to the atmosphere during the curing process





# Cost Impacts: Next Projects

Traditional CIPP Cost	Modified CIPP Cost	% Increase
\$14,566,602	\$19,667,704	35%

- There is a risk this change could apply to all sewer rehabilitation projects in the CIP
- 35% cost increase could ...
  - Add \$200M-300M to 10-yr CIP –or–
  - Eliminate 70 miles of local sewers from 10-yr CIP





## Next Steps

- 💧 WRF Study – conducting Air Quality Monitoring and Testing
  - 💧 Assure field activities align with Air Quality Monitoring Plan (AQMP) as approved by DOEE
  - 💧 Perform laboratory testing and confirm results meet approved AQMP
  - 💧 Assure proper responses to any exceedances of detected emissions per AQMP
  - 💧 Results may impact Standards for future CIPP work in DC and beyond
- 💧 DC Water not allowing steam cure or styrene resins on CIP work
- 💧 Operations field work using UV for lateral CIPP lining
- 💧 Soapstone Impact – monitor cost impact and delays to completion



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

**ACTION REQUESTED**

**GOODS AND SERVICES CONTRACT OPTION YEAR**

**Supply and Delivery of Calcium Hydroxide  
(Joint Use)**

Approval to add funding to option year 2 in the amount of \$1,200,000.00.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> W.K. Merriman, Inc. 8038 Front River Road Pittsburgh, PA 15225 WBE	<b>SUBS:</b>  N/A	<b>PARTICIPATION:</b>  WBE – 100%
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**DESCRIPTION AND PURPOSE**

Base Period – Option Year 2 Value:	\$2,285,000.00
Base Period – Option Year 2 Dates:	12-01-2021 – 11-30-2024
No. of Option Years in Contract:	2
<b>Option Year 2 Additional Value:</b>	<b>\$1,200,000.00</b>
<b>Option Year 2 Dates:</b>	<b>12-01-2023 – 11-30-2024</b>

**Purpose of the Contract:**

To supply and deliver calcium hydroxide. The calcium hydroxide is used in the Nitrification Facility to adjust pH.

**Contract Scope:**

This contract is to provide calcium hydroxide to the Blue Plains Advanced Wastewater Treatment Facility for DC Water’s Department of Wastewater Treatment (DWT). DWT has an ongoing need for calcium hydroxide in slurry form to feed the Nitrification Facility at the Blue Plains Wastewater Treatment Plant. The product is used in the Biological Nutrient Removal process for pH control.

The DC Water Board approved the total contract value of \$2,285,000.00 is depleted sooner than expected due to rise of unit cost during option year 1 and 2.

**Spending Previous Year:**

Cumulative Contract Value:	12-01-2021 to 11-30-2024: \$2,285,000.00
Cumulative Contract Spending:	12-01-2021 to 09-01-2023: \$1,840,782.00

**Contractor’s Past Performance:**

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

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Good and Services	<b>Award Based On:</b>	Best Value
<b>Commodity:</b>	Calcium Hydroxide	<b>Contract Number:</b>	10068
<b>Contractor Market:</b>	Open Market with goals for DBE and WBE participation		


**BUDGET INFORMATION**


<b>Funding:</b>	Operating	<b>Department:</b>	Wastewater Treatment
<b>Project Area:</b>	Blue Plains	<b>Department Head:</b>	Nicholas Passarelli

**ESTIMATED USER SHARE INFORMATION**

User - Operating	Share %	Dollar Amount
District of Columbia	43.08%	\$516,960.00
Washington Suburban Sanitary Commission	41.90%	\$502,800.00
Fairfax County	9.60%	\$115,200.00
Loudoun Water	4.71%	\$56,520.00
Potomac Interceptor	0.71%	\$8,520.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$1,200,000.00</b>


 Digitally signed by Jeffrey F. Thompson  
 DN: cn=US, Date: 2023.09.26 14:51:45 -04'00'  
 \_\_\_\_\_ / 09/26/23  
 Jeffrey F. Thompson Date  
 Chief Operating Officer, EVP


 Digitally signed by Dan Bae  
 DN: cn=US, E=dan.bae@dwater.com, O=District of Columbia Water and Sewer Authority, OU=VP of Procurement & Compliance, CN=Dan Bae  
 Date: 2023.09.26 15:04:14-04'00'  
 \_\_\_\_\_  
 Dan Bae Date  
 VP of Procurement


 Digitally signed by Matthew T. Brown  
 Date: 2023.10.03 12:25:11 -04'00'  
 \_\_\_\_\_  
 Matthew T. Brown Date  
 CFO and EVP of Finance, Procurement and Compliance

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 David L. Gadis Date  
 CEO and General Manager



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

**ACTION REQUESTED**

**ENGINEERING SERVICES:**

**Non-Process Facility Design Service Basic Ordering Agreement (BOA)  
(Joint Use)**

Approval to execute an architectural and engineering services contract not to exceed \$5,000,000.00

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
Alphatec PC 1525 18 <sup>th</sup> Street, NW Washington, DC 20036  (DBE)	Hayat Brown LLC Washington, DC WBE 5.0%  SZ PM Consultants, Inc. Washington, DC WBE 5.0%	DBE – 90% WBE – 10%

**DESCRIPTION AND PURPOSE**

Contract Value, Not-To-Exceed: \$5,000,000  
 Contract Time: 1827 Days (5 Years, 0 Months)  
 Anticipated Contract Start Date: 11-15-2023  
 Anticipated Contract Completion Date: 11-14-2028

Other firms submitting proposals/qualification statements:

- Arup US, Inc.\*
- Bell Architects\*
- Remington & Vernick Engineers\*
- Samaha Associates, PC\*

\* Asterisk indicates short listed Firms

**Purpose of the Contract:**

This basic ordering agreement (BOA) is to provide project design services for DC Water non-process facilities program. These projects support DC Water's portfolio of non-process facilities and assets including but not limited to buildings, mechanical systems, electrical systems, solar energy systems, interior office spaces, seawall shoring systems, ground shoring systems, hardscape, and landscape. Projects design may include interfacing and coordinating with permitting agencies.

**Contract Scope:**

Work will be accomplished under a series of definitive Task Orders. Each Task Order will identify the scope of work, deliverables, compensation, and schedule for performing the task and may include:

- Concept and Schematic Design
- Final Design
- Permitting Services
- Construction Procurement Support
- Design Services During Construction
- As-built Drawings

**Federal Grant Status:**

- This contract is not eligible for Federal grant funding assistance.

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price	<b>Award Based On:</b>	Highest Ranking Score
<b>Commodity:</b>	Engineering Design Services	<b>Contract Number:</b>	DCFA #535
<b>Contractor Market:</b>	Open Market		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Facilities
<b>Service Area:</b>	Non-Process Facilities	<b>Department Head:</b>	Brent Christ
<b>Project:</b>	SA, SB, RV, SD		

**\*\*ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 5,000,000.00
Federal Funds	0.00%	\$ 0
Washington Suburban Sanitary Commission	0.00%	\$ 0
Fairfax County	0.00%	\$ 0
Loudoun County & Potomac Interceptor	0.00%	\$ 0
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 5,000,000.00</b>

\*\* As individual projects are developed, DC Water will determine joint-use share information for each task order. Individual joint-use organizations will be notified and billed accordingly as tasks are developed and work is assigned during the contract performance period.

**Wayne W. Griffith** Digitally signed by Wayne W. Griffith  
Date: 2023.10.05 09:01:14 -04'00'

Wayne Griffith Date  
Chief Administration Officer, EVP

 Digitally signed by Dan Bae  
DN: C=US, E=dan.bae@dcwater.com,  
O=District of Columbia Water and Sewer Authority, OU=VP of Procurement & Compliance, CN=Dan Bae  
Date: 2023.10.05 09:07:51 -04'00'

Dan Bae Date  
VP of Procurement

**Matthew T. Brown** Digitally signed by Matthew T. Brown  
Date: 2023.10.11 13:03:40 -04'00'

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

\_\_\_\_\_  
David L. Gadis Date  
CEO and General Manager