



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY Board of Directors

Meeting of the
Environmental Quality and Operations Committee

Thursday, January 19, 2023

9:30 a.m.

Microsoft Teams

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Or call in (audio only)

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Phone Conference ID: 142 812 080#

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|------------|------|--|--|
| 9:30 a.m. | I. | Call to Order | Sarah Motsch
Chair |
| 9:35 a.m. | II. | Roll Call | Alfonzo Stukes
Acting Board Secretary |
| 9:40 a.m. | III. | BPAWTP Status Update | Aklile Tesfaye |
| 9:50 a.m. | IV. | Fire Hydrant Update | Sylvia Okogi |
| 9:55 a.m. | V. | Water Quality Update | Maureen Schmelling |
| 10:00 a.m. | VI. | FY2023 - FY2032 Capital Improvement Program (CIP)
Proposed Budget | David Parker/Rudolph Chow |
| 10:40 a.m. | VII. | Action Items | Joel Grosser/Moussa Wone/David Parker |
- Joint Use**
1. Contract No.: WAS-12-063-AA-RA - Protective Services, Allied Universal
 2. Contract No.: N/A - Mitigation Agreement with National Park Service (NPS) for Potomac River Tunnel Use of NPS Lands, National Park Service
- Non-Joint Use**
1. Contract No.: 230030 - Lead Free DC (LFDC) Lead Service Line Replacement (LSLR) Program, 6 Firms
 2. Contract No.: 200030 - Small Diameter Water Main Replacement 16A, Capitol Paving of DC, Inc.

10:50 a.m.	VIII.	Other Business / Emerging Issues	
10:55 a.m.	IX.	Executive Session*	Sarah Motsch Chair
11:00 a.m.	X.	Adjournment	Sarah Motsch Chair

Follow-up Items from Prior Meetings:

1. Dave Parker (Acting, VP of Engineering) Matt Ries (Director, Sustainability and Watershed Management): In response to questions about infrastructure for electrification of fleet, the Committee requested a briefing at a future meeting about plans across the Authority to comply with District government initiatives to achieve carbon neutrality. **[Submitted via CEO Weekly Highlights, 11-18-2022]**

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.



BPAWTP UPDATE



Blue Plains Complete Treatment Performance

Environmental Quality & Operations Committee

October 20, 2022

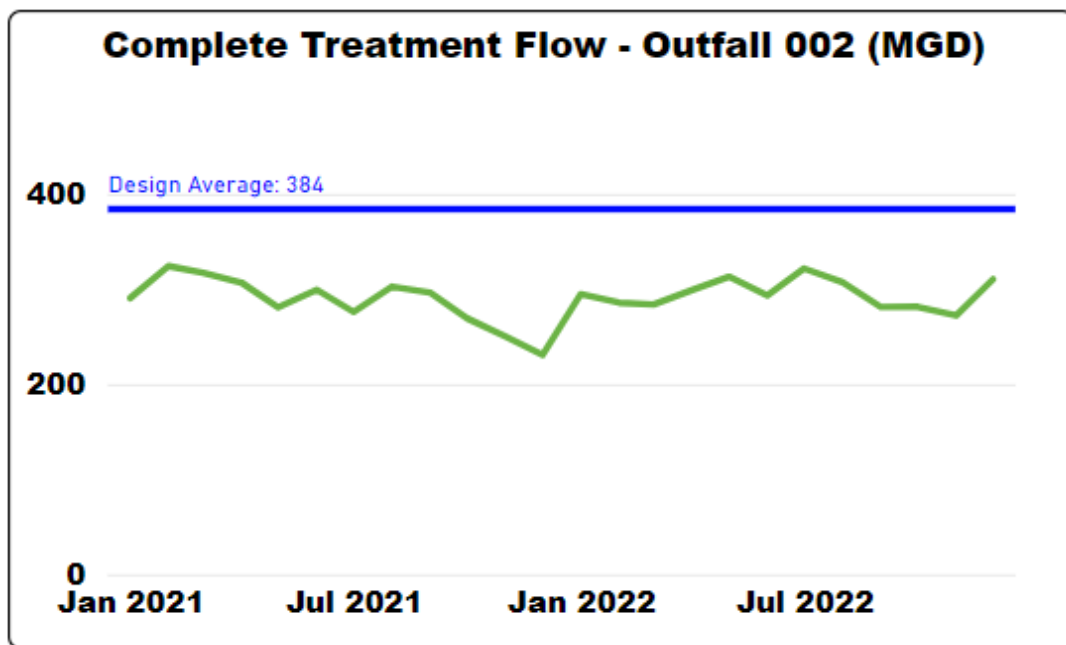


Aklile Tesfaye, Vice President, Wastewater Treatment Operations



Operational Performance Complete Treatment

Monthly Average Flow Trend to Complete Treatment (MGD)
December 2022



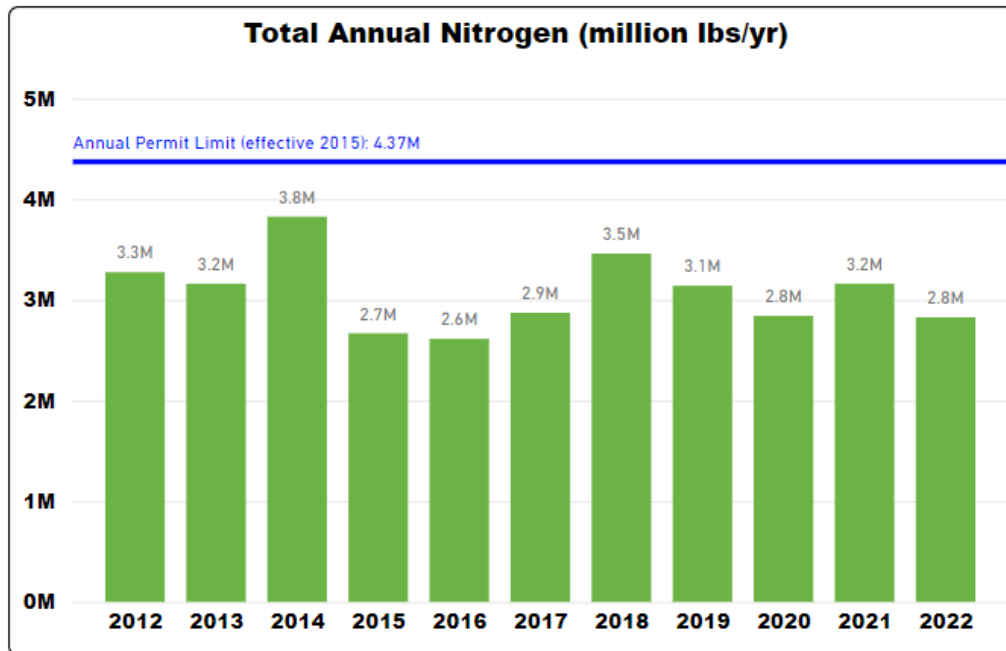
Summary

- ☐ Performance was excellent
- ☐ All effluent and biosolids qualities were within NPDES and Class A Biosolid Exceptional Quality requirements
- ☐ Average Outfall 002 flow was 310 MGD



Operational Performance Total Nitrogen Removal

Total Annual Nitrogen Discharge through Complete Treatment



Summary

- ❑ For calendar year 2022, the total nitrogen was 2.83 million pounds
- ❑ NPDES permit stipulates 4.37 million pounds of nitrogen per year
- ❑ Excellent removal performance and chemical optimization achieved through use of advanced controls



Operational Performance Wet Weather Treatment Facility

Wet Weather Treatment Facility Performance December 2022

	December 2022*	Calendar Year 2022 (Through December)
Total Precipitation, inches	3.9	42.4
Total Volume Captured in the Anacostia Tunnel, MG	233	2,289
Measured Overflow, MG	0	72
Percent Captured	100%	97%
Screenings and Grit Capture, tons	79	1,319

Summary

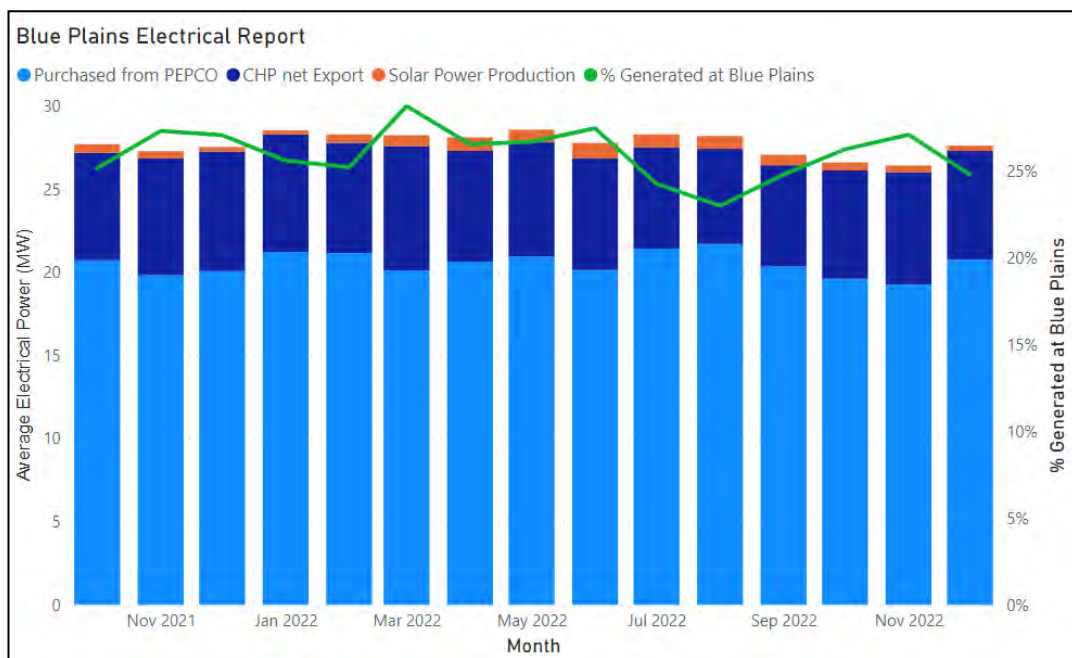
- Total of 233 MG of combined wet weather flow was captured in the tunnel and treated through the plant
- Preliminary data showed no overflows from CSOs associated with the existing Anacostia Tunnel System

*Based on preliminary data



Operational Performance Electrical Energy Use and Generation

Blue Plains Electrical Energy Use and Generation December 2022



Summary

- 25% of electricity was generated onsite
- Combined Heat and Power (CHP) produced an average of 7.8 megawatts (MW), with 6.5 MW net to Blue Plains grid
- Solar System produced an average of 0.3 MW of power
- Total electricity consumption at Blue Plains averaged 27.6 MW
- DC Water purchased an average of 20.8 MW of electricity from PEPCO



Employee Recognition

DC Water's Rahil Fofana Recognized Howard University Department of Civil and Environmental Engineering First Ph. D. Recipient

- The Department of Civil and Environmental Engineering of Howard University has awarded its first-ever doctoral degree to Rahil Fofana in 2022.
- She joined Howard University in Spring of 2018 in a collaboration with DC Water.
- Her research was conducted at Blue Plains and focused on advanced nitrogen removal in wastewater treatment.
- She published three peer-reviewed journal articles as a Ph.D. student, presented at several national conferences and won a best presentation award at the International Water Association Biofilms 2020 Virtual Conference.
- Dr. Fofana is currently a full-time employee of DC Water and serves as a highly productive Process Engineer I within the Process Engineering Team of Wastewater Operations.





Water Operations Update
- Fire Hydrant
- Water Quality
Monitoring

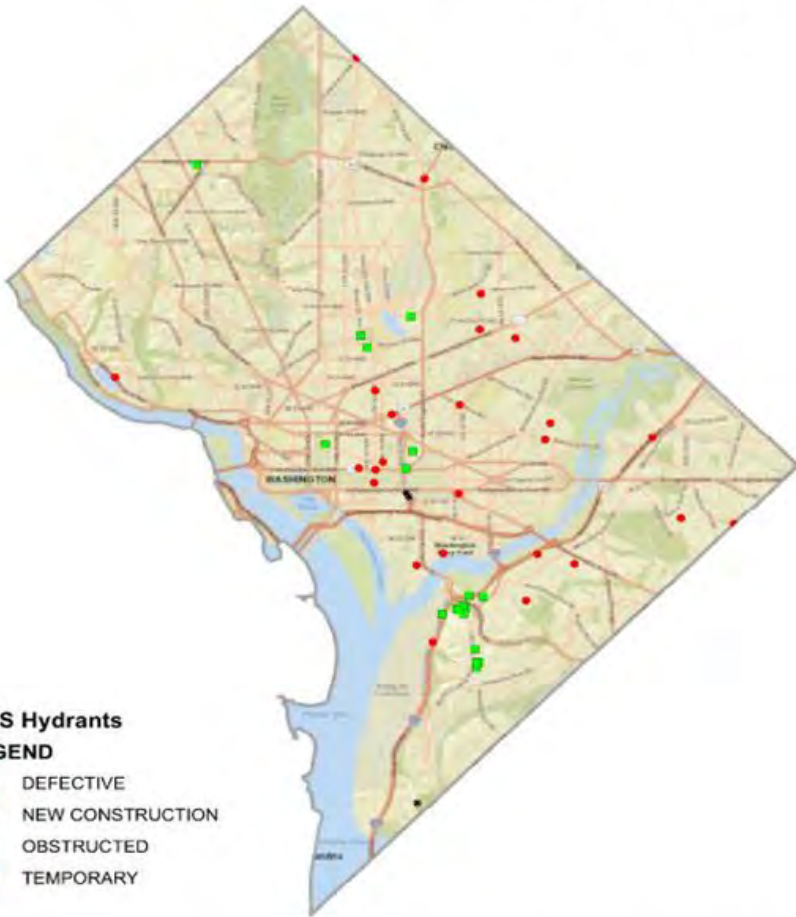


Water Operations Update Environmental Quality & Operations Committee January 19, 2023



Maureen Schmelling, Director, Water Quality
Sylvia Okogi, Sr. Manager, Water Operations (Acting)

Map of Public Out-of-Service Hydrants January 03, 2023



- OOS Hydrants
LEGEND**
- DEFECTIVE
 - NEW CONSTRUCTION
 - OBSTRUCTED
 - TEMPORARY



Prepared By: Distribution Control Branch

Status Report of Public Fire Hydrants for DC Water Services Committee - January 3, 2023

	October Cmte. Report (October 3, 2022)	November Cmte. Report (November 1, 2022)	December Cmte. Report (December 1, 2022)	January Cmte. Report (January 3, 2023)
Public Fire Hydrants:	9,830	9,829	9,834	9,835
In Service:	9,795	9,791	9,794	9,788
Marked Out-of-Service (OOS)	35	38	40	47
OOS - defective requiring repair/replacement	24	17	17	25
% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)	0.24%	0.17%	0.17%	0.25%
OOS - due to inaccessibility or temp construction work	11	21	23	22

Note: The number of public hydrants in the DC Water system fluctuates; this number fluctuates as hydrants are added and removed during development or construction activities as well as at the request of the Fire Dept.

Breakdown of Public Fire Hydrants Out-of-Service (OOS) as of January 3, 2023 47

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	5	3	1	2	3	0	0	14
Needs Valve Investigation for Low Flow/Pressure or Shut Test for Replacement	0	0	0	0	0	0	1	1
Needs Replacement	0	0	0	3	2	0	5	10
Defective								25

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	0	0	5	0	14	19
Construction* - OOS	0	0	0	0	0	0	0	0
Obstructed Hydrant – OOS hydrant due to operation impeded by an obstruction.	0	0	0	0	1	0	2	3
Others								22

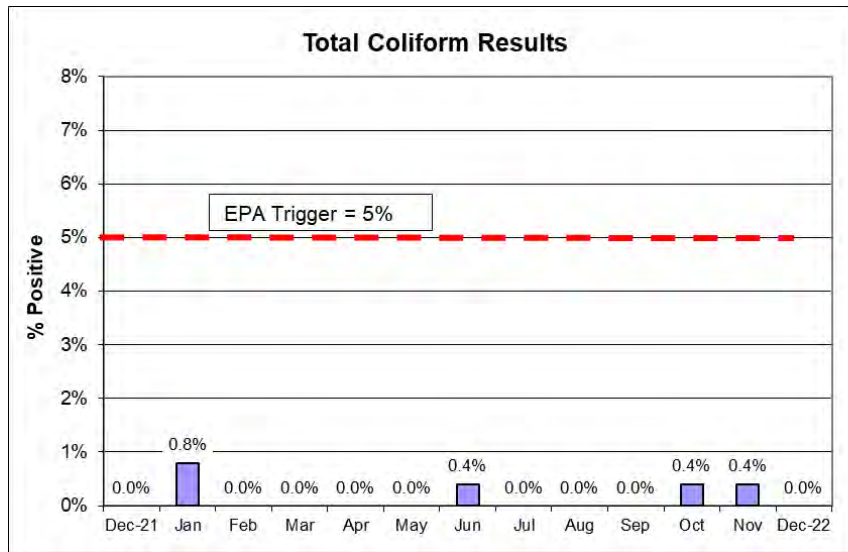
*Fire hydrants not accessible due to construction activities. Also includes new hydrants which have not yet been commissioned or old hydrants which will be abandoned as part of ongoing construction projects.



Water Quality Monitoring

Total Coliform Rule

- 240 minimum samples collected each month



Lead and Copper Rule

Jul-Dec 2022	1st Draw	2nd Draw
90th Percentile, ppb	1.9	4.6
Number of Samples	108	106
Number of Samples > 15 ppb	0	0



FY23-FY32 CIP Proposed Budget



FY23-FY32 Capital Improvement Program (CIP) Proposed Budget Environmental Quality & Operations Committee January 19, 2023



David Parker, VP of Engineering

DC Water Budget Overview FY2023-2032 Proposed Capital Investments of \$6.95 billion



Fully Funds DC Clean Rivers projects to meet Consent Decree requirements



\$347 million

Invests in process equipment, specialized vehicles, and information technology infrastructure; establishes funding for the innovation program

Invests in the Aqueduct's capital infrastructure



\$141 million



Constructs the new Fleet and Sewer Facilities, renovates the Historic Main Pump Station, and restores the Main & O campus seawall



\$612M to remove all lead service lines by **2030**

Continues investment in Water & Sewer infrastructure



\$1.4 billion

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



\$1.8 billion

Ramps up to 1.0% rehabilitation for small sewer lines per year



Improves stormwater pump stations to relieve local flooding

\$1.18 billion

Funds rehabilitation and upgrades at Blue Plains





The Capital Improvement Program

New CIP requests were proposed to increase the 10-yr CIP by \$889M.

Collaboration between Engineering, Operations, Finance resulted in **reduced request for \$531M increase**

The proposed ten-year CIP budget is \$6.95B, and includes:

- \$616M increase for Water and Sewer Infrastructure
- \$85M increase, to \$338.5M, for the **Washington Aqueduct’s** capital projects

(Cash Disbursements \$ in thousands)	FY 2023 - FY 2032 CIP Disbursement Plan (Run 3C)										Approved/ Proposed	Lifetime	
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	10-yr Total	10-yr Delta	Budget
NON PROCESS FACILITIES	22,104	24,614	25,247	32,462	24,646	3,879	2,293	2,000	2,000	2,000	141,246	39,038	269,010
WASTEWATER TREATMENT	71,907	84,442	117,684	137,739	145,555	143,319	140,299	132,166	123,098	84,671	1,180,881	(33,783)	3,535,160
COMBINED SEWER OVERFLOW	108,031	110,256	148,064	188,379	149,410	157,261	138,385	46,029	12,465	4,593	1,062,875	(154,291)	3,216,072
STORMWATER	7,509	12,839	8,319	7,571	5,837	3,812	4,305	7,162	8,682	6,205	72,241	7,005	216,779
SANITARY SEWER	68,031	118,457	185,109	168,564	222,916	277,735	271,002	222,140	143,246	118,914	1,796,116	433,991	2,727,733
WATER	108,909	188,371	238,506	242,278	247,009	242,826	221,357	203,725	154,341	164,479	2,011,801	182,371	3,572,035
CAPITAL PROJECTS	386,492	538,981	722,930	776,993	795,374	828,832	777,640	613,222	443,833	380,862	6,265,159	474,330	13,536,789
CAPITAL EQUIPMENT	47,421	30,535	31,654	31,776	34,334	34,334	34,334	34,334	34,334	34,334	347,390	(27,912)	347,390
WASHINGTON AQUEDUCT	67,523	35,155	29,480	29,480	29,480	29,480	29,480	29,480	29,480	29,480	338,518	84,750	338,518
ADDITIONAL CAPITAL PROJECTS	114,944	65,690	61,134	61,256	63,814	63,814	63,814	63,814	63,814	63,814	685,909	56,839	685,909
LABOR													404,476
TOTAL CAPITAL BUDGETS	501,437	604,671	784,064	838,249	859,188	892,646	841,454	677,036	507,647	444,676	6,951,067	531,169	14,627,174



Proposed Changes to 10-year CIP by Service Area

Program Increases

- Sewer and CSO – increasing by \$434 M to \$1.9 B
- Water (excluding LFDC) – increasing by \$200 M to \$1.4 B
- Non-Process – increasing by \$39 M to \$141 M
- Stormwater – increasing by \$7 M to \$72 M
- Washington Aqueduct – increasing by \$85 M to \$339 M



**Approved 10-yr FY 2022-2031 vs
Proposed 10-yr FY 2023-2032**

**Overall 8% increase across the
10-year window**



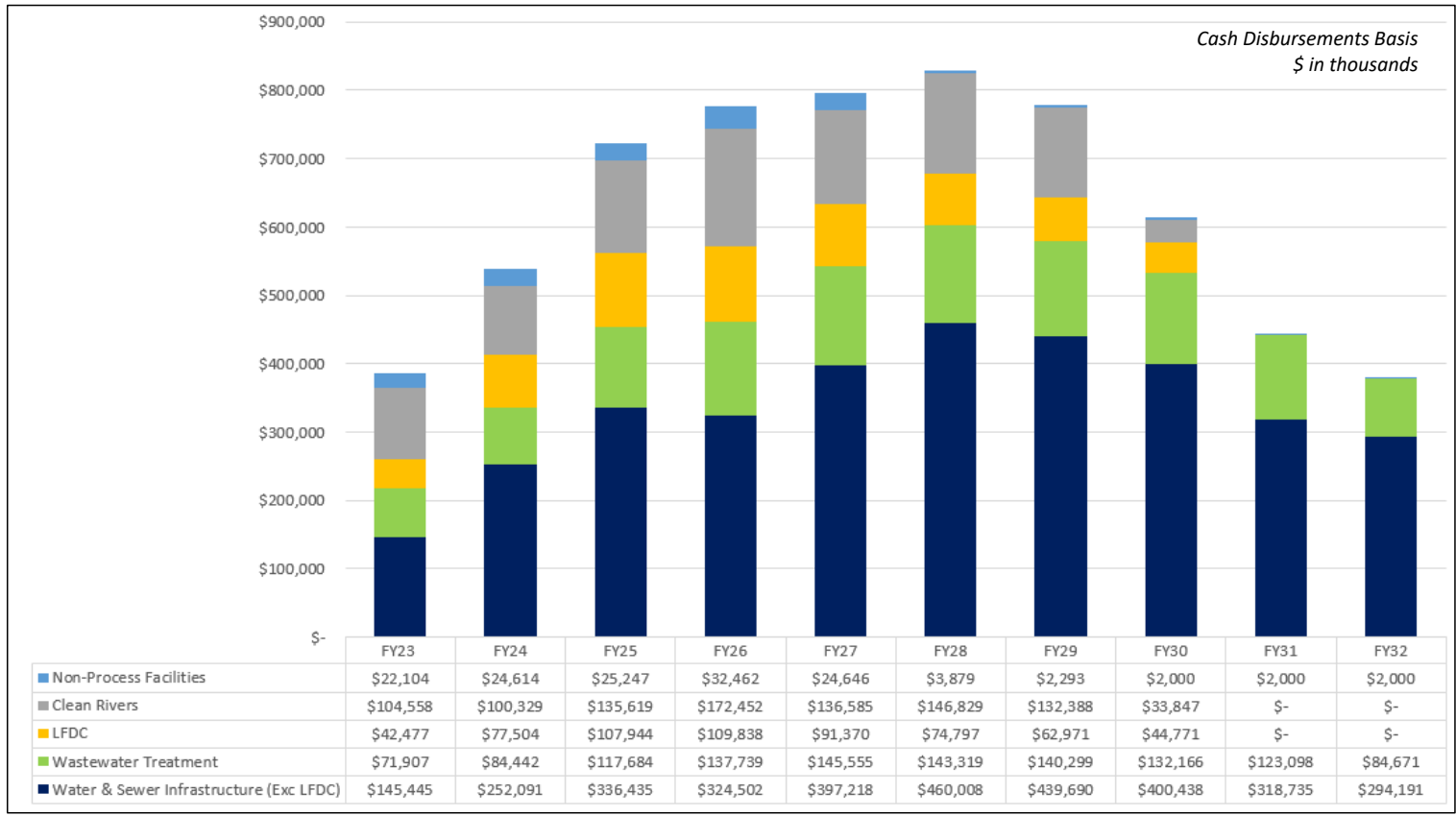
Program Decreases

- Wastewater – decreasing by \$34 M to \$1.18 B
- DCCR (excluding other CSO) – decreasing by \$154 M to \$963 M
- LFDC – decreasing by \$17 M to \$612 M (\$17 M spent last year)
- Capital Equipment – decreasing by \$28 M to \$347 M





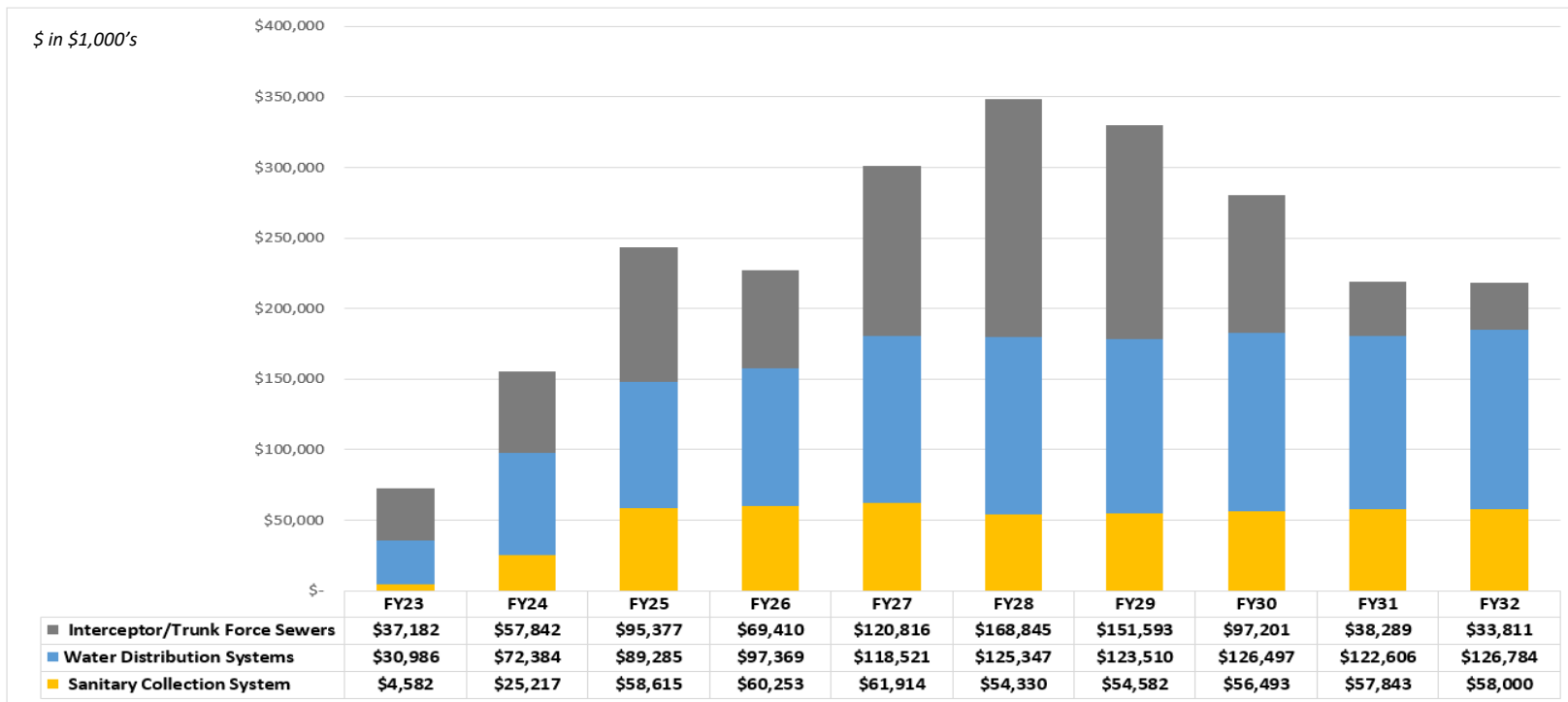
DC Water 10-Year Capital Projects Spending Projection



- Water & Sewer Infrastructure includes the following Service Areas: Water, Sanitary Sewer, Stormwater, and non-Clean Rivers portion of Combined Sewer Overflow, it excludes LFDC shown separately
- Capital Projects only – excludes Capital Equipment and Washington Aqueduct spending forecast



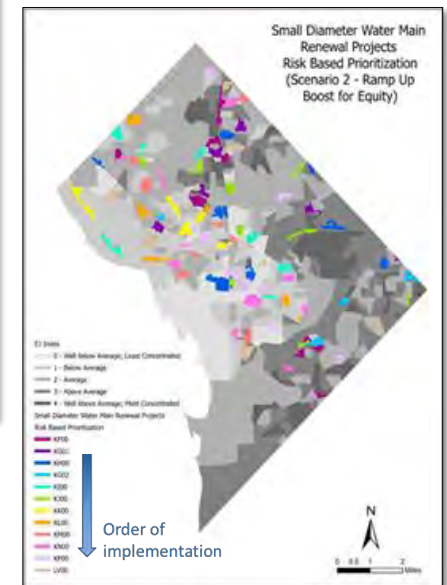
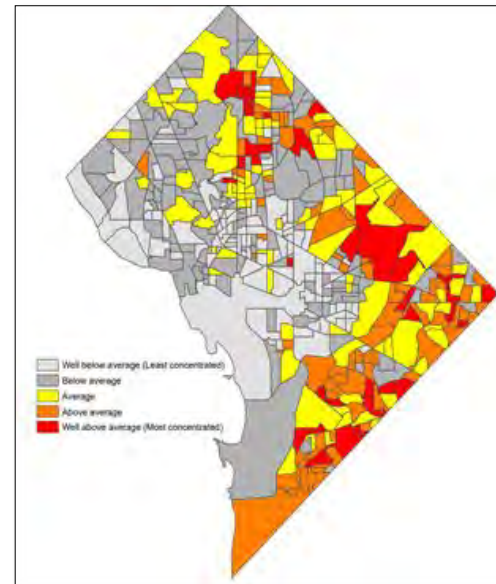
Sewer and Water Linear Infrastructure Spending



Small Diameter Water Mains and Large Diameter Water Mains (WDS) combined spending is comparatively level – SDWM ramping to 1.5% FY28 onwards
 Trunk Sewers (STS) spending peaks in FY27-29 due to larger PI projects – expecting some realignment in future budget cycle
 Local Sewer (SCS) level spending after near-term ramp-up

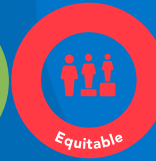
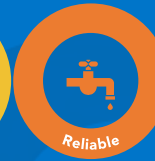
dc EQUITY

- Equality approach being refined to an Equity approach
- Risk and equity scores being used in project prioritization for linear infrastructure – Lead Service Line Replacements, Small Diameter Water Mains, and Local Sewers
- Other projects would be considered for equity in the future as applicable
- High risk and system wide projects may have to be addressed without equity considerations





Sewer and Water (\$3.81 B)



Sewer Service Area total = \$1.80B, increase of \$434M

- Increase in Sanitary Collection Systems, including Local Sewer Projects
 - 1% per year rehabilitation goal
- Increase in Interceptor/Trunk Force Sewers
 - New projects on Potomac Interceptor

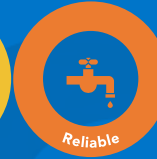
Water Service Area total = \$2.01B, increase of \$182M

- Increase in Water Distribution Systems, including Small Diameter Water Mains
 - 1% replacement per year, ramping up to 1.5%
- Lead Free program funding remains the same, with reduction due to amount completed in FY '21
 - Replace all lead service lines by 2030

	10-Year Proposed	10-year Approved	10-year Delta
SANITARY SEWER			
Sanitary Collection System	491,829	325,762	166,067
Sanitary On-Going Projects	155,610	143,702	11,908
Sanitary Pumping Facilities	201,000	170,349	30,652
Sanitary Program Management	77,313	83,462	(6,149)
Interceptor/Trunk Force Sewers	870,364	638,851	231,514
Subtotal	1,796,116	1,362,125	433,991
WATER			
Water Distribution Systems	1,033,289	879,719	153,569
Lead Free DC Program	611,672	628,951	(17,280)
Water On-Going Projects	194,235	176,668	17,567
Water Pumping Facilities	57,295	41,711	15,584
Water Storage Facilities	59,899	51,475	8,423
Water Service Program Management	55,412	50,904	4,508
Subtotal	2,011,801	1,829,430	182,371



Sewer (\$1.80 B)

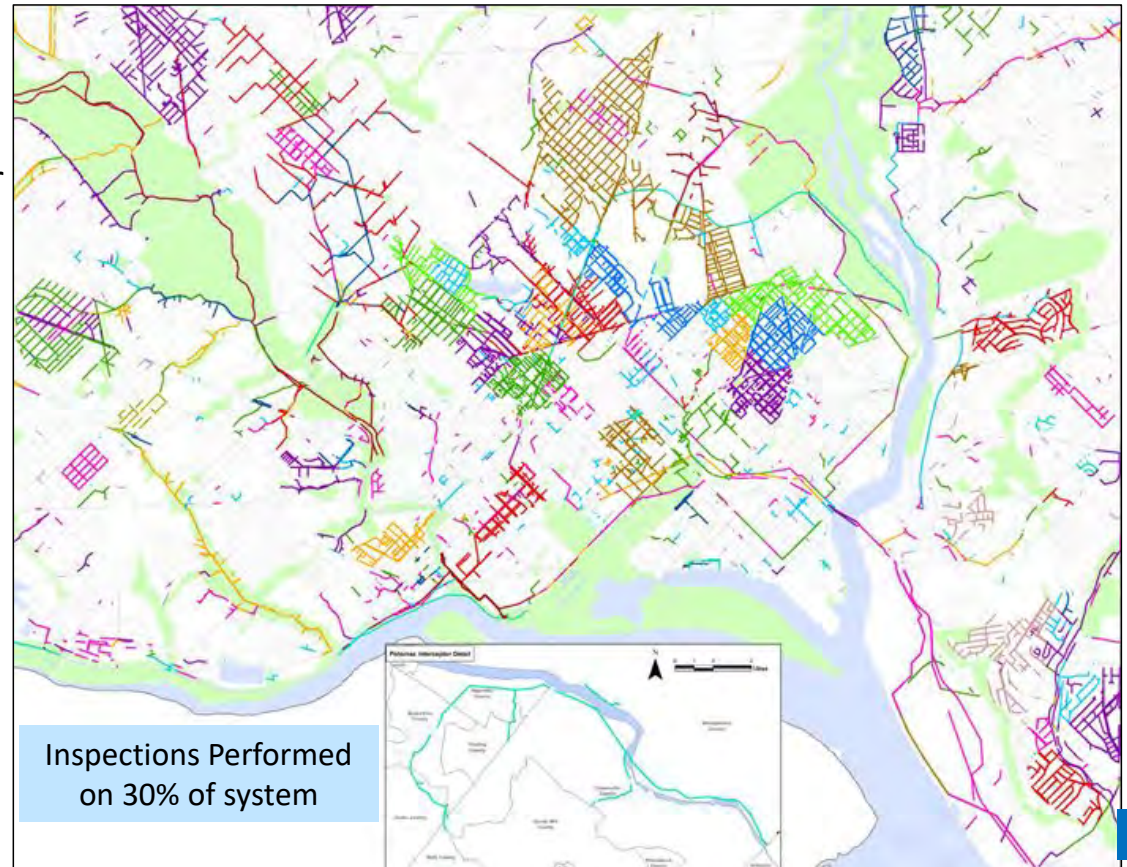


Sanitary Collection Sewers \$492 M total 10-yr program

- Inspection & Assessment of ~40 miles/yr of collection sewers (12"-60")
- Rehabilitation of 1% of the collection sewers (12 miles) a year

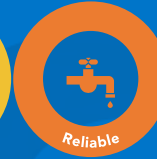
\$166 M increase will fund

- New Local Sewer Projects (Inspection, Assessment, Design, and Rehabilitation) to meet 1% per year rehabilitation goal





Sewer (\$1.80 B)



Sanitary interceptor/trunk/ force mains sewers \$870 M total 10-yr program

- Inventory is 170 miles
- Inspection & Assessment of ~12 mi/yr
- Rehabilitation of major sewers
- National Environmental Policy Act (NEPA) Compliance



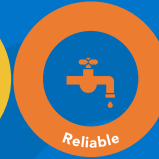
\$232 M increase will fund

- Potomac Interceptor (PI) (\$139 M)
- Major Sewer Assessment (\$51 M)





Sewer (\$1.80 B)



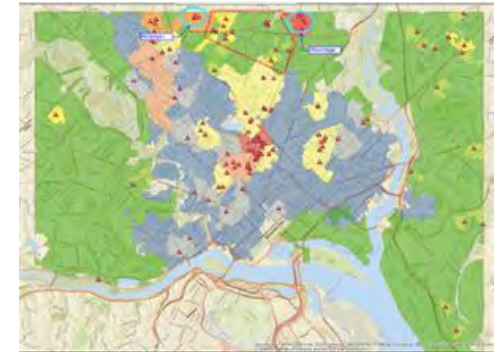
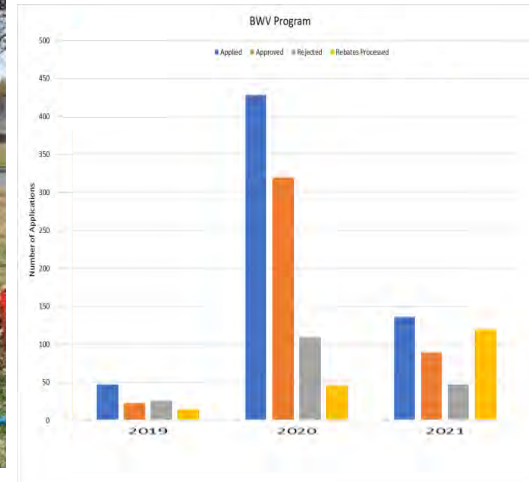
Sanitary Ongoing \$156 M (\$12M 10-year increase)

- Inspection of 1,400 miles <12-inch diameter local sewers.
- Cleaning and root control
- Emergency repair of collapsed and broken sewers.



Sewer Program Engineering Support \$77 M

- Flooding Studies and Back Water Valve Program
- Sanitary Sewer Evaluation Surveys: (Smoke testing, Flow testing CCTV Inspection)
- Facilities Planning, feasibility studies
- Planning and Program Strategy support





Sewer (\$1.80 B)



Sanitary Pumping Facilities \$201 M (\$31M increase for 10-yr)

- Maintain compliance with consent decree for firm capacity
- Address reliability and resiliency for climate change and flood hazards
- SCADA, Electrical, Mechanical
- Code Compliance, Safety
- Upgrades for Odor Control systems and HVAC
- Security Upgrades
- Solids handling improvements
- Variable Speed Drives upgrades



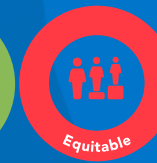
Rock Creek Pump Station



Poplar Point Pump Station



Lead Free DC (\$612 M)

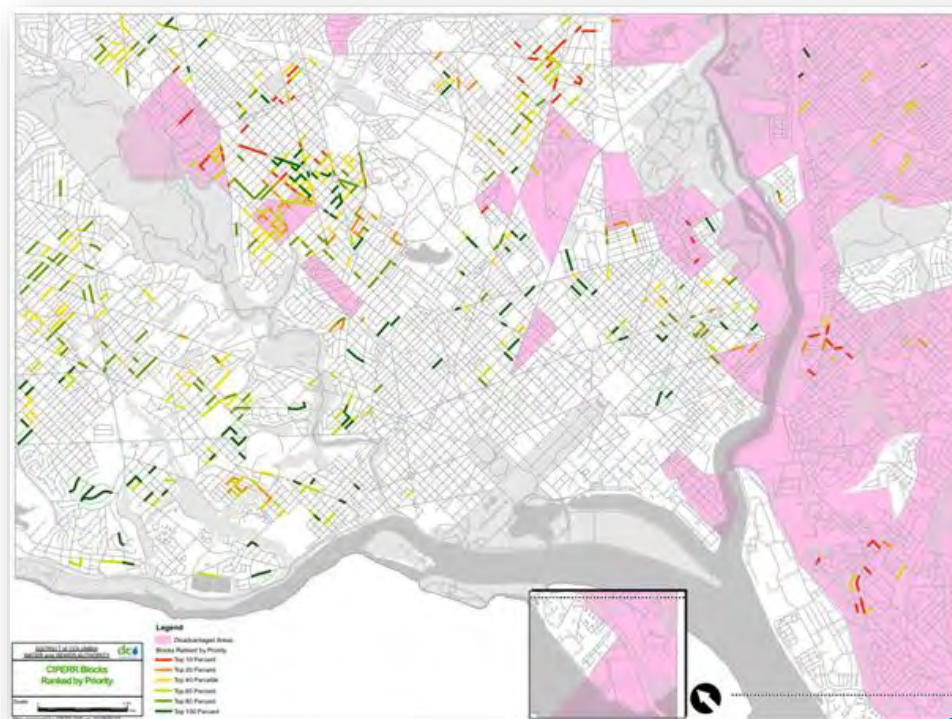


LFDC \$612 M – decrease by \$17 M

- \$42 M forecast spending in FY 2023
- Replace all lead services by 2030

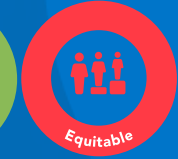
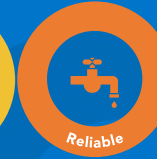
Project Scope Areas

- Confirm material of 48,000 services
- Replace ~28,000 lead services
- Obtain permits (DDOT and other)
- Conduct community outreach
- Inspect construction of services
- Update data inventory
- Promote equity
- Pursue funding sources & grants





Water (\$2.01 B)



Water Distribution Systems (WDS) – \$1.03 B

- Fire hydrant replacement
- Valve replacement
- Replacement of distribution mains with Water Quality issues
- Small diameter water mains replacements

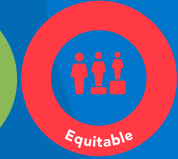
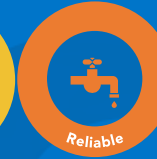
\$154 M increase will fund

- Adjusted short-term costs to account for inflation
- Increase to meet 1.5% per year replacement goal
- New support for Traffic Control Plans





Water (\$2.01 B)



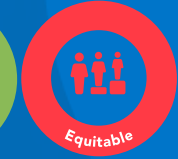
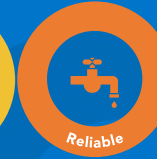
Water Storage Facilities \$60 M

- 7 active storage facilities
- 5 storage facilities scheduled for upgrades
- Evaluate new storage facility in 2nd High
- Study for Water Supply and storage needs





Water (\$2.01 B)



Water Pumping Facilities (\$57M, \$16M increase)

- Accelerate Bryant Street PS Spill Header
- Accelerate Ft. Reno PS
- New project for 16th & Alaska (\$3M)
 - Building Information Management (BIM) pilot
- Pumps rehab/replacement
- Variable Frequency Drives
- Valves
- Improvements to Backup Power Systems

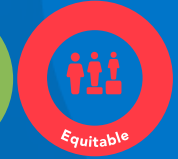


Bryant Street Pump Station Spill Header





Water (\$2.01 B)

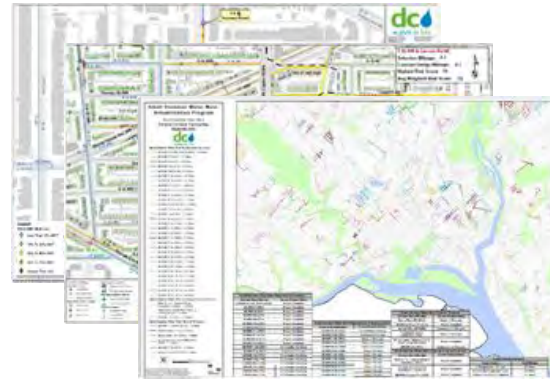


Water Ongoing \$194M (\$18M increase)

- Fire hydrant replacement
- Valve replacement
- Replacement of distribution mains with WQ issues
- Flushing of the water distribution system
- Repair pipe breaks



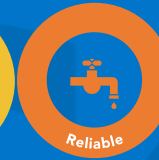
Water Program Engineering Support \$55M (\$5M increase)



- Vulnerability assessment and emergency response support
- District Metering
- Asset Management of water mains
- Master Plan / Facilities Plan support
- Water assets feasibility studies
- Planning support, project development for CIP projects
- Water System Program strategy development support



CSO without Clean Rivers (\$100 M) Stormwater (\$72 M)



- Maintain compliance with consent decree for firm capacity at CSO pump stations
- Address reliability and resiliency for climate change and flood hazards

Combined Sewer Overflow (CSO) without Clean Rivers \$100 M



- Main Pump Station
- Potomac Pump Station
- Inflatable Dams at CSO Outfalls
- Pump Variable Frequency Drives, valves, electrical gear, code compliance, odor control

16 Stormwater Pumping Facilities \$72 M, increased by \$7 M



- Pumps, Electrical, and code compliance upgrades
- SCADA monitoring and control
- Safety and security



Wastewater Blue Plains (\$1.18 B)



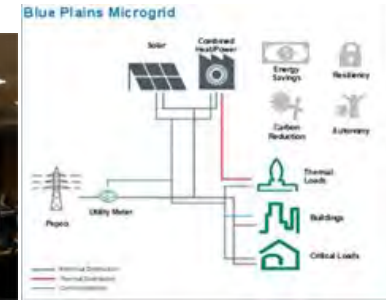
Overall Decrease - \$34 M

Liquid Processing - \$625 M

384 MGD Average; 780 MGD Peak



Plantwide - \$302 M

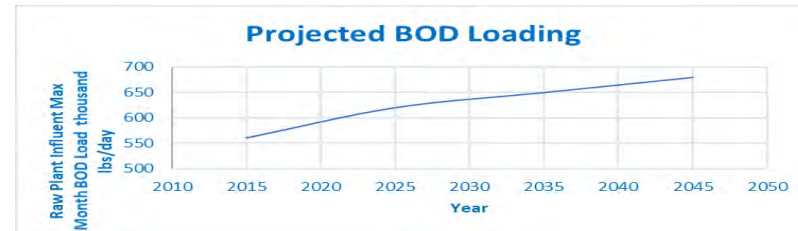


Solids Processing - \$204 M



Enhanced Nitrogen Removal Facilities - \$50 M

>90% complete; Expansion of secondary treatment to meet nitrogen discharge permit limit with future load





Blue Plains Major Projects – Investments for Reliability



A high performing network of systems and assets is critical to reliability, using real-time monitoring to inform better decision making. Our aim is to continue to deliver an excellent service for customers and ensure we minimize service disruption. This is enabled by ensuring we adopt an integrated and enterprise-wide approach in order to deliver services efficiently

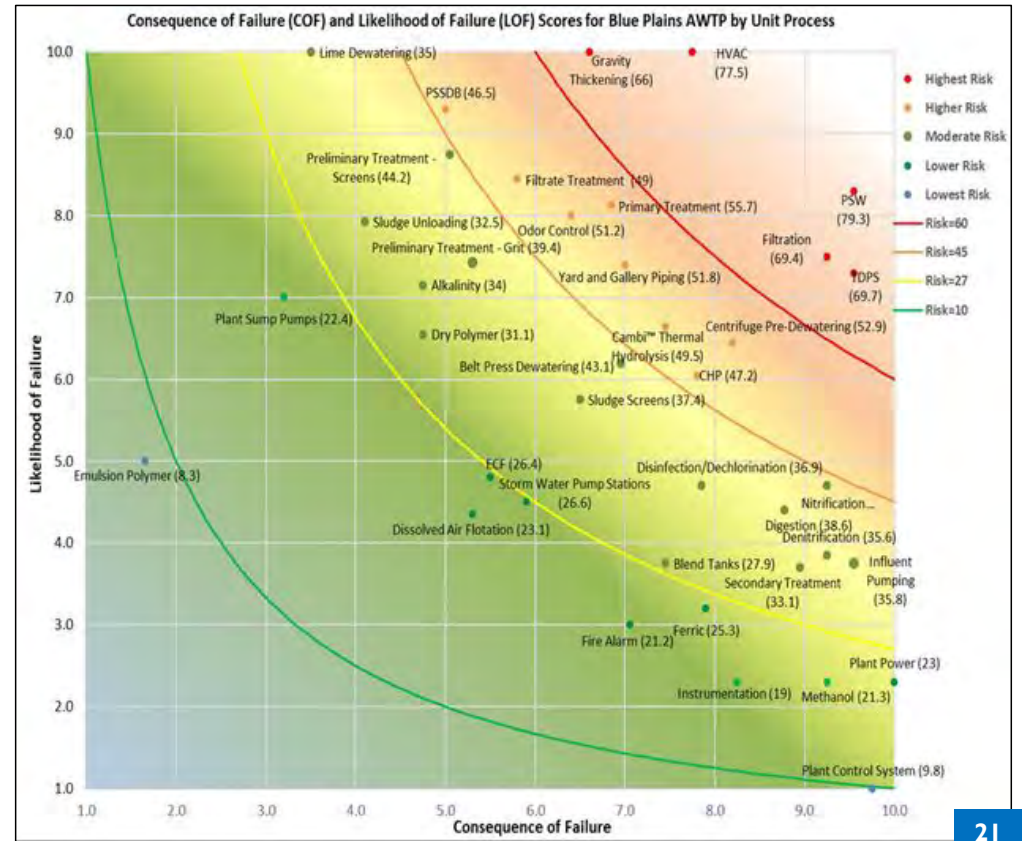
68 Planned projects to address plant reliability



Replacing/Upgrading Influent Screens



Filtrate Influent Pump Project





Investments for Sustainability and Resilience



Blue Plains Floodwall

- Design-Build Project to install floodwall to protect Blue Plains from 500-year frequency event.
- The first segment of the wall was constructed as part of the construction of the Enhanced Nitrogen Removal Project.
- Construction of the second segment of the wall, identified as Segment C, was completed in July 2021 and DC Water obtained \$2.4M from FEMA toward installation of that wall.
- Three segments (Segments A, B and D) remain to be constructed.

Biosolids Curing Pad & Solar Project



Biosolids Curing Pad to produce cured product and diversify product market.



Solar Panels to be installed on roof of Curing Pad

Additional Solar Projects upcoming at Bryant St, Fort Stanton, Fort Reno, Anacostia & Potomac Pump Stations



Major Blue Plains Projects Long-term/Near-term

Project Name	10-yr Total
Grit and Screenings and Primary	\$64M
Primary Treatment - 20 year Rebuild	\$43M
Effluent Filter Upgrade	\$45M
Replace/Upgrade Influent Screens	\$50M
Secondary East and West - 20 year rebuild	\$50M
Long-term Concrete Rehabilitation Projects	\$70M
Control Systems Replacement	\$53M
Electrical Power System Upgrades and Microgrid Studies	\$31M
Biosolids Rehabilitation	\$45M
DAF Facility 20yr Upgrade	\$66M
Secondary Treatment Upgrades for TN	\$44M



BQ02 - Screens, Grit and Primary Facilities Upgrades

- FY 2023 – FY 2025 Planned Disbursements - \$16.1M
- Total Estimated Project Cost - \$52.0M



JF01 Construction of Flood Seawall Segments A, B & D

- FY 2023 – FY 2025 Planned Disbursements - \$19.1M
- Total Estimated Project Cost - \$30M



IY03– High and Low Pressure Reclaimed Final Effluent Pumping System Upgrade

- FY 2023 – FY 2025 Planned Disbursements - \$15.8M
- Total Estimated Project Cost - \$24M



DC Clean Rivers (\$963 M)

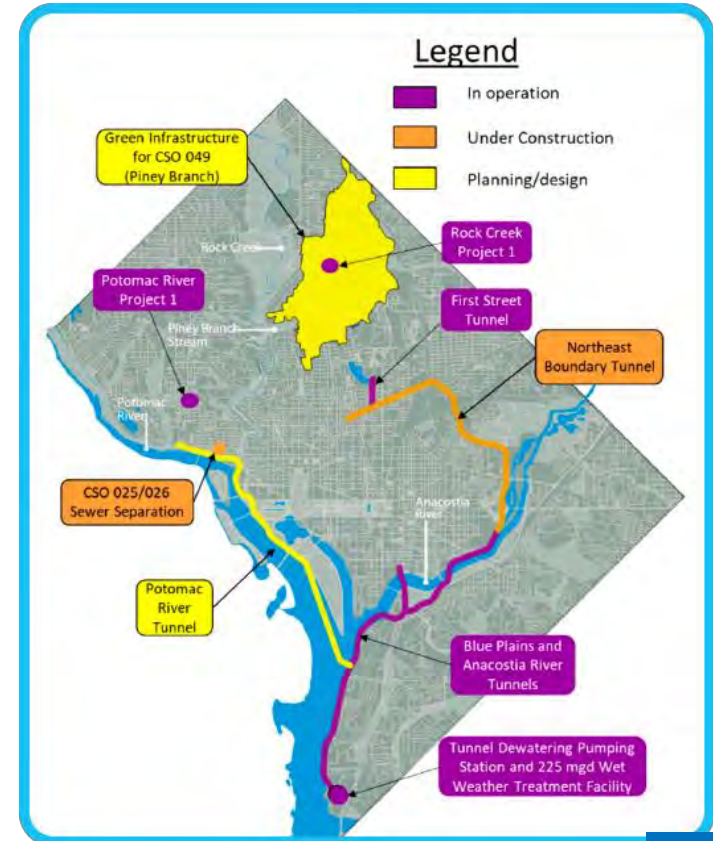


Overall decrease - \$154 M

Anacostia LTCP Projects (\$82 M)

Potomac LTCP Projects (\$740 M)

Rock Creek LTCP Projects (\$141 M)



dc Clean Rivers – What Has Been Achieved?

Receiving Water	CSO Volume Reduction (mg/avg yr)	
	Current	Ultimate Target
Anacostia <ul style="list-style-type: none"> Anacostia Tunnel Sewer separation Rehab pump stations and inflatable dams 	90%	98%
Potomac <ul style="list-style-type: none"> Rehab pump stations and inflatable dams 	40%	93%
Rock Creek <ul style="list-style-type: none"> GI, sewer separation and diversion improvements 	13%	90%
Total System	67%	96%



Anacostia Tunnel from Mar 2018 – Dec 2022:

- Over **14.7 B gallons** and **9,151 tons of trash, debris, and other solids** captured
- 90% capture (80% planned)

dc Clean Rivers – What Will Remaining Projects Achieve?



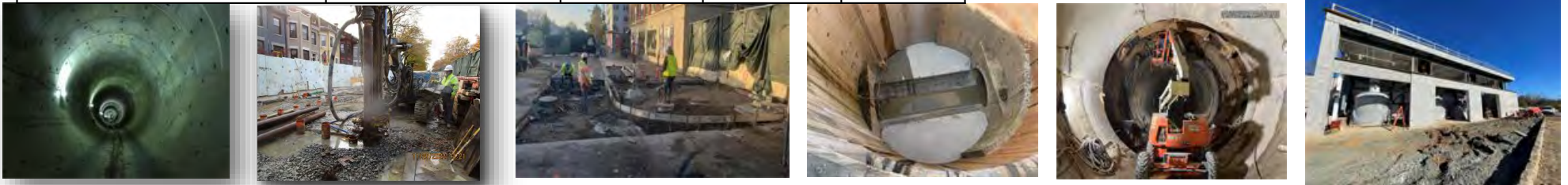




Area	Description	Status as of Jan 2022	Construction Timeframe	Approx. Remaining Cost (\$M)
CY - Anacostia				
Northeast Boundary Tunnel	90 mg tunnel	Construction	2017-2023	\$82
CZ – Potomac				
CSO 025/026 Separation	Separate 2 CSO areas	Construction	2021-2022	\$740
Potomac Tunnel – Advance Utility Construction	Electric services & utility relocation	Construction	2021-2023	
Potomac Tunnel Construction	29,000’ of 18’ ID tunnel	Design	2023-2030	
DZ - Rock Creek				
Rock Creek GI Project B	22 ac of GI	Construction	2022-2024	\$141
Rock Creek GI Project C	25 ac of GI	No activity	2025-2027	
Rock Creek GI Project D	25 ac of GI	No activity	2028-2030	
Piney Branch Storage	4.2 mg storage facility	NEPA	2026-2029	

Project Performance

- Increase CSO capture from 90% to 98%
- Flooding relief in Northeast Boundary
- Increase CSO capture from 40% to 93%
- Increase CSO capture from 13% to 90%



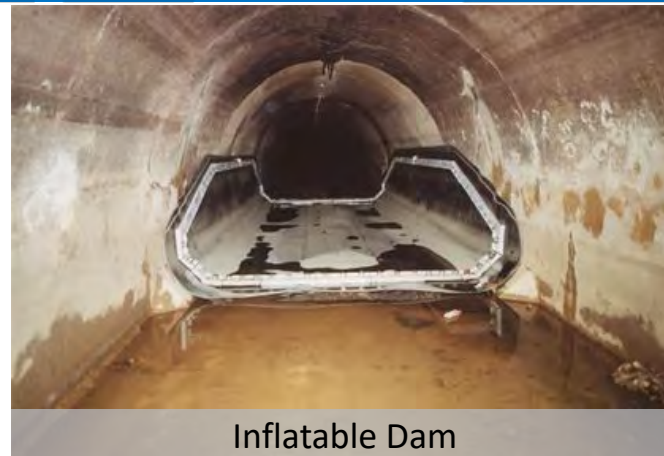
dc Clean Rivers – Project Benefits

- CSO reduction – meets District Water Quality Standards
- Flooding Mitigation – in Northeast Boundary
- Provides equalization enabling nutrient reduction at Blue Plains to meet Chesapeake Bay TMDL
- Resiliency - provides redundancy when Blue Plains or pumping stations out of service
- Equity – highest degree of CSO control targeted to underserved Anacostia River



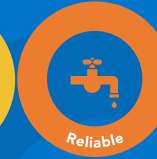
dc Clean Rivers – Project Benefits

- Eliminates five (5) inflatable dams
 - Three (3) on Anacostia River (completed)
 - Two (2) on Potomac River (upcoming as part of Potomac Tunnel)
- Eliminates Swirl Facility near RFK Stadium (completed)
- Benefits
 - Reduces risk of flooding
 - Reduces system complexity and costs
 - Reduces O&M costs – estimated savings of \$1 million/yr.





Non-Process Facilities (\$141 M)



\$39 M increase will fund
COF/CMF Renovations:
\$12.5 M



Bryant St PS Modifications:
\$15.9 M



Solar Improvements
\$24 M



Roof and HVAC Replacements:
\$22 M



Main & O Seawall Restoration:
\$12 M

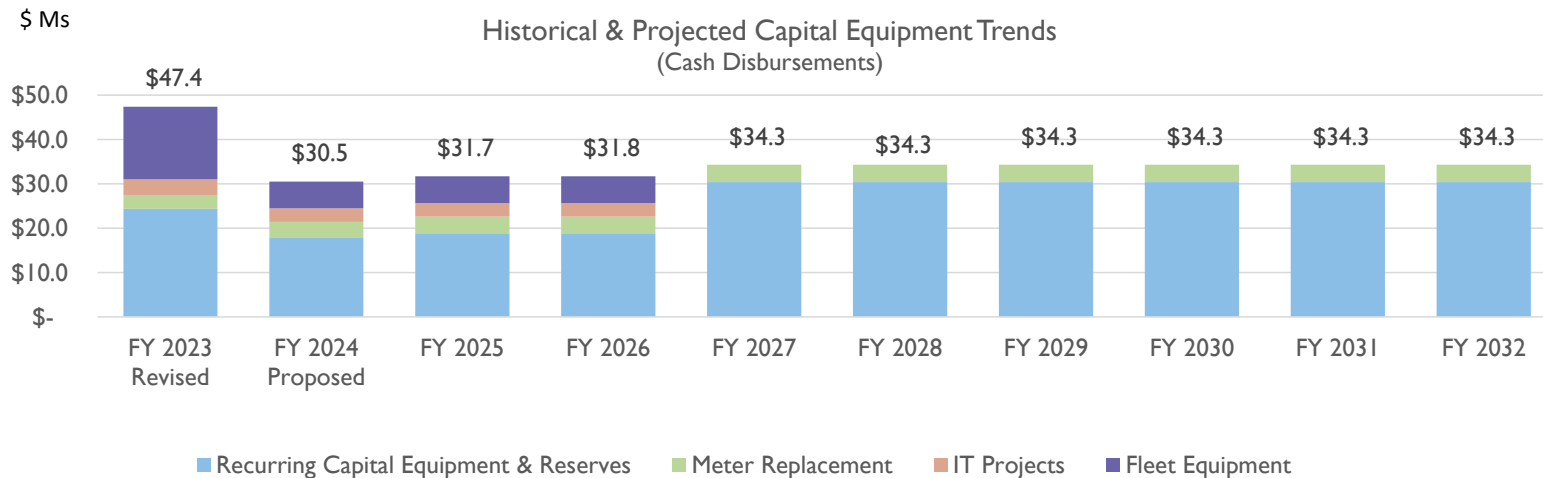


Historic Restoration, Main PS
\$15 M (Built 1904)



dc Capital Equipment

- The overall FY 2023 budget is \$47.4 M and reflects the Board-approved carry-over of \$10.4 M from FY 2022 for the purchase of vehicles (anticipated for delivery in FY 2023) and \$7.2 M for the Aqueduct
- Ten-year disbursements of \$375.3 M for capital equipment include:
 - **Recurring Capital Equipment and Reserves** – This covers the purchase/replacement of pumps, motors, HVACs, roof, renovations, laptops, computers, servers, fire hydrants and includes the Authority-wide reserves for new facilities and unplanned equipment needs
 - **Information Technology (IT) Projects** – Funds new projects and upgrades to various Authority-wide technology systems
 - **Fleet Equipment** – Earmarks \$28.4 M from FY 2023 through FY 2025 to reduce vehicle backlog and help ensure that crews have the required equipment such as backhoes, jet-vacs, small and large dump trucks to meet operational needs





Federal/Infrastructure Funding Safe Drinking and Clean Water



Source	Anticipated DC Water 2023 to 2027 Total	Prospective Eligible Projects	DC Match
Clean Water Baseline (Current Grants)	\$17.8M	Wastewater Treatment, Sewer System	45%
Clean Water Supplemental	\$54.2M*	Wastewater Treatment, Sewer System, Green Infrastructure	10% years 1 and 2 20% years 3 to 5
Clean Water Emerging Contaminants	\$4.6M*	Wastewater treatment research projects	0%
Drinking Water Baseline (Current Grants)	\$70.1M	Small Diameter Water mains, Water Storage Facilities, Water pump stations	20%
Drinking Water Supplemental	\$106.2M	Small Diameter Water mains, Water Storage Facilities, Water pump stations	10% years 1 and 2 20% years 3 to 5
Drinking Water Lead Service Lines	\$141.5M	Lead Free DC Program. Public and Private side eligible	0%
Drinking Water Emerging Contaminants	\$37.7M	Emerging contaminant projects	0%

* \$'s are DC Total, DC Water anticipated undetermined. Based on competing Clean Water projects and administrative costs the DC Dept. of Energy & Environment (DOEE) determines allocations to DC Water.

Build America Buy America (BABA) and Justice 40 requirements must be met for all federal funding

dc Opportunities - Optimization and Revenue

- 💧 Programmatic Access to capture Federal and Industry Funding Opportunities
- 💧 Blue Plains Process Intensification with Granulated Sludge (Increasing sludge density) Technologies to Reduce Cost of Future Capacity
- 💧 Blue Plains Full Plant Deammonification (nitrogen removal with Annamox) to Reduce Cost and Dependence on Chemicals
- 💧 Enhance/Expand Class A Biosolids Processing Facilities to Increase Biogas Production for Fats, Oils, Grease
- 💧 Implement Resource Recovery Options
 - Opportunities for Renewable Natural Gas (RNG)
 - Expansion of Solar Power Generation
 - Heat Recovery Options at Blue Plains / Sewer Heat Recovery for District Heating
- 💧 Implement a Microgrid within Blue Plains - Optimal Renewable Energy Distribution
- 💧 Diversify Bloom Products and Marketing



Risks We are Monitoring

- 💧 Stormwater System Rehabilitation and Replacement
 - Cost of service study for stormwater is currently underway
- 💧 Supply Chain Disruption and Inflation
- 💧 Water Supply (Source & Storage Volume; Reliability and Resilience)
- 💧 Increase in chemical and power purchase costs
- 💧 Major Sewers
 - Ongoing assessments will likely uncover conditions that need repair, rehabilitation, or replacement
- 💧 Regulatory
 - Total Maximum Daily Load (TMDL) – Trash, Bacteria, PCBs, Nutrients, Sediments
 - Contaminants of Emerging Concern, including PFAS and microplastics
 - Permitting – New NPDES Permit Conditions, including new water quality standards for ammonia
 - Biosolids Land Application – PFAS, Phosphorus
- 💧 Climate Change – Seawall, Facility Hardening, CSO Program, Stormwater Capacity
- 💧 Proposed DC Nuisance Odor Requirements – Blue Plains, Sewage Pump Stations, Collection System
- 💧 Washington Aqueduct Capital Program Uncertainties (PFAS & Future Capital Expenses)

Washington Aqueduct CIP





Washington Aqueduct FY2023 and FY2024 CIP Budgets



FY2023 \$81.8M, FY2024 \$47.7M

Budget:

DC Water's share (FY2023 ~\$59.55M, FY2024 ~\$34.73M)

- Budgets reflect costs of total project vs. costs of partial repairs to aging infrastructure
- Cost Drivers
 - Underfunded projects due to increased project costs
 - Partial repairs prolonged total project completion creating increased future costs for customers
 - Stalled/delayed projects now require additional funding



Washington Aqueduct Asset Management Strategy



Path Forward:

Asset management driven capital planning

FEM Database – assessing efficiency

Assess aging infrastructure

Revise 10-year CIP/CIP prioritization

Acquisition strategy





Washington Aqueduct WRDA 2022 – 15 December 2022



Section 8146: Washington Aqueduct

Capital Improvement Authority

Borrowing Authority

Section 8201: Authorization of proposed feasibility studies item (14): Washington Metropolitan Area, Washington District of Columbia, Maryland, and Virginia.

Path Forward:

Establish agreement for with each customer

WRDA Borrowing Authority

Initiate study for secondary water source





CIP by Program Area

(Cash Disbursements \$ in thousands)	FY 2023 - FY 2032 CIP Disbursement Plan (Run 3C)										Last Years 10-yr Total	(Increase)/ Decrease	Lifetime	
	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032				
NON PROCESS FACILITIES														
Facility Land Use	22,104	24,614	25,247	32,462	24,646	3,879	2,293	2,000	2,000	2,000	141,246	102,208	(39,038)	269,010
Subtotal	22,104	24,614	25,247	32,462	24,646	3,879	2,293	2,000	2,000	2,000	141,246	102,208	(39,038)	269,010
WASTEWATER TREATMENT														
Liquid Processing	41,050	28,977	47,726	83,307	75,562	77,488	89,520	59,692	61,829	60,116	625,266	657,512	32,247	1,272,081
Plantwide	14,596	39,838	51,239	40,909	50,182	39,544	25,388	20,231	16,742	3,140	301,809	282,489	(19,320)	530,955
Solids Processing	12,939	14,427	17,374	12,887	17,573	24,873	17,971	30,464	34,339	21,011	203,857	214,160	10,303	944,041
Enhanced Nitrogen Removal Facilities	3,322	1,201	1,346	637	2,238	1,414	7,420	21,779	10,188	405	49,949	60,502	10,553	788,082
Subtotal	71,907	84,442	117,684	137,739	145,555	143,319	140,299	132,166	123,098	84,671	1,180,881	1,214,664	33,783	3,535,160
COMBINED SEWER OVERFLOW														
DC Clean Rivers Program	104,558	100,329	135,619	172,452	136,585	146,829	132,388	33,847	-	-	962,607	1,116,863	154,255	2,992,358
Combined Sewer Overflow Program	3,473	9,927	12,445	15,927	12,825	10,432	5,997	12,182	12,465	4,593	100,267	100,303	36	223,714
Subtotal	108,031	110,256	148,064	188,379	149,410	157,261	138,385	46,029	12,465	4,593	1,062,875	1,217,166	154,291	3,216,072
STORMWATER														
Storm Local Drainage Program	654	1,686	1,905	735	977	965	1,163	1,067	916	853	10,921	10,455	(466)	82,760
Storm On-Going Program	1,081	942	519	876	842	1,084	1,287	935	-	-	7,566	9,780	2,214	10,072
Storm Pumping Facilities	4,829	8,692	4,161	4,126	3,732	1,417	1,579	4,948	7,642	4,957	46,083	42,918	(3,165)	64,227
Stormwater Program Management	173	437	517	476	286	346	275	212	124	395	3,243	1,483	(1,759)	15,178
Stormwater Trunk/Force Sewers	772	1,082	1,216	1,358	-	-	-	-	-	-	4,428	600	(3,828)	44,543
Subtotal	7,509	12,839	8,319	7,571	5,837	3,812	4,305	7,162	8,682	6,205	72,241	65,236	(7,005)	216,779
SANITARY SEWER														
Sanitary Collection System	4,582	25,217	58,615	60,253	61,914	54,330	54,582	56,493	57,843	58,000	491,829	325,762	(166,067)	728,214
Sanitary On-Going Projects	14,096	17,352	14,667	15,091	15,542	16,020	16,500	15,297	15,289	15,756	155,610	143,702	(11,908)	233,439
Sanitary Pumping Facilities	3,085	8,434	8,813	16,171	16,011	28,020	37,639	45,222	27,375	10,231	201,000	170,349	(30,652)	265,049
Sanitary Program Management	9,087	9,612	7,638	7,640	8,634	10,520	10,688	7,927	4,451	1,116	77,313	83,462	6,149	191,900
Interceptor/Trunk Force Sewers	37,182	57,842	95,377	69,410	120,816	168,845	151,593	97,201	38,289	33,811	870,364	638,851	(231,514)	1,309,131
Subtotal	68,031	118,457	185,109	168,564	222,916	277,735	271,002	222,140	143,246	118,914	1,796,116	1,362,125	(433,991)	2,727,733
WATER														
Water Distribution Systems	30,986	72,384	89,285	97,369	118,521	125,347	123,510	126,497	122,606	126,784	1,033,289	879,719	(153,569)	2,102,409
Lead Free DC Program	42,477	77,504	107,944	109,838	91,370	74,797	62,971	44,771	-	-	611,672	628,951	17,280	816,318
Water On-Going Projects	18,280	17,292	16,825	17,779	19,351	18,915	20,691	21,601	20,879	22,623	194,235	176,668	(17,567)	261,206
Water Pumping Facilities	5,910	10,202	7,983	7,734	6,391	7,029	4,547	2,678	2,408	2,414	57,295	41,711	(15,584)	95,574
Water Storage Facilities	6,447	6,811	11,754	4,438	3,834	9,658	4,997	3,536	3,328	5,096	59,899	51,475	(8,423)	175,104
Water Service Program Management	4,809	4,179	4,716	5,120	7,542	7,080	4,641	4,641	5,120	7,563	55,412	50,904	(4,508)	121,424
Subtotal	108,909	188,371	238,506	242,278	247,009	242,826	221,357	203,725	154,341	164,479	2,011,801	1,829,430	(182,371)	3,572,035
CAPITAL PROJECTS	386,492	538,981	722,930	776,993	795,374	828,832	777,640	613,222	443,833	380,862	6,265,159	5,790,828	(474,330)	13,536,789
CAPITAL EQUIPMENT	47,421	30,535	31,654	31,776	34,334	34,334	34,334	34,334	34,334	34,334	347,390	375,302	27,912	347,390
WASHINGTON AQUEDUCT	67,523	35,155	29,480	29,480	29,480	29,480	29,480	29,480	29,480	29,480	338,518	253,768	(84,750)	338,518
ADDITIONAL CAPITAL PROJECTS	114,944	65,690	61,134	61,256	63,814	63,814	63,814	63,814	63,814	63,814	685,909	629,070	(56,838)	685,909
LABOR														404,476
TOTAL CAPITAL BUDGETS	501,437	604,671	784,064	838,249	859,188	892,646	841,454	677,036	507,647	444,676	6,951,067	-	-	14,627,174
FY 2022	647,004	668,633	619,913	735,924	822,910	783,185	669,154	496,528	409,140	-	6,419,899	-	-	13,377,458
Prior Year Board Approved CIP	647,004	668,633	619,913	735,924	822,910	783,185	669,154	496,528	409,140	-	6,419,899	-	-	13,377,458
Delta (inc)/dec	145,567	63,962	(164,150)	(102,325)	(36,277)	(109,461)	(172,300)	(180,508)	(98,507)	(444,676)	(531,168)	-	-	(1,249,716)

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

ACTION REQUESTED

**GOODS AND SERVICES CONTRACT OPTION YEAR
PROTECTIVE SERVICES
(Joint Use)**

Approval to extend option year 9 for protective services in the amount of \$4,000,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Allied Universal Security Services 1551 N. Tustin Avenue Suite 650 Santa Ana, CA 92705	SUBS: Preeminent Protective Services Inc. 1050 17 th Street, NW, Suite 600 Washington, DC 20036 LSBE	PARTICIPATION: 15% LSBE
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DESCRIPTION AND PURPOSE

Base Year Contract Value:	\$4,934,348.12
Base Year Contract Date:	12-16-2012 – 12-15-2013
Option Year 1 – Option Year 4 Value:	\$20,143,632.25
Option Year 1 – Option Year 4 Dates:	01-16-2014 – 02-13-2018
Option Year 5 Value:	\$5,847,481.76
Option Year 5 Dates:	02-14-2018 – 02-13-2019
Option Year 6 Value:	\$5,300,000.00
Option Year 6 Dates:	02-14-2019 – 02-13-2020
Prior Modification Value	\$891,102.47
Prior Modification Dates:	12-16-2020 – 03-13-2020
Option Year 7 Value:	\$5,436,000.00
Option Year 7 Dates:	03-14-2020 – 03-13-2021
Option Year 8 Value:	\$5,500,000.00
Option Year 8 Dates:	03-14-2021 – 03-13-2022
Option Year 9 Value:	\$6,530,000.00
Option Year 9 Dates:	03-14-2022 – 03-13-2023
Option Year 9 Time Extension Value:	\$4,000,000.00
Option Year 9 Time Extension Dates:	03-01-2023 – 09-30-2023

Purpose of the Contract:

The purpose of this contract is to purchase protective services. The contractor, Allied Universal Security, provides protective services for all of DC Water’s facilities and personnel.

Contract Scope:

The contact will provide highly trained and reliable commissioned Special Police Officers (SPOs) to safeguard DC Water’s property and personnel, to prevent and deter unauthorized access or removal of property, and to assist DC Water in all other security related matters. The time extension is necessary as a new solicitation to replace the current contract will be issued in early CY23.

Spending Previous year:

Cumulative Contract Value:	12-16-2012 to 03-13-2023: \$54,582,564.60
Cumulative Contract Spending:	12-16-2012 to 12-01-2022: \$51,853,498.32

Contractor’s Past Performance:

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

PROCUREMENT INFORMATION

Contract Type:	Goods and Services	Award Based On:	Highest Rated Offeror
Commodity:	Security	Contract Number:	WAS-12-063-AA-RA
Contractor Market:	Open Market with Preference Points for Local and Small Businesses		

BUDGET INFORMATION

Funding:	Operating	Department:	Department of Security
Service Area:	Blue Plains AWTP	Department Head:	Ivelisse Cassas

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	70.33%	\$2,813,200.00
Washington Suburban Sanitary Commission	22.20%	\$888,000.00
Fairfax County	4.75%	\$190,000.00
Loudoun County	2.35%	\$94,000.00
Other (PI)	0.37%	\$14,800.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$4,000,000.00

 / 12/21/2022
 Maureen Holman Date
 VP of Shared Services

_____/_____
 Dan Bae Date
 VP of Procurement

_____/_____
 Matthew T. Brown Date
 CFO and EVP of Finance and Procurement

_____/_____
 David L. Gadis Date
 CEO and General Manager

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

ACTION REQUESTED

AGREEMENT:

**Mitigation Agreement with National Park Service (NPS) for Potomac River
Tunnel Use of NPS Lands
(Joint Use)**

Approval to execute the agreement between the National Park Service and DC Water for \$1,600,000. The modification exceeds the General Manager’s approval authority.

PARTY INFORMATION

PARTY:	SUBS:	PARTICIPATION:
National Park Service 1100 Ohio Drive SW Washington, DC 20242	Not Applicable	Not Applicable

DESCRIPTION AND PURPOSE

Agreement: \$1,600,000.00
 Agreement Time: 3,650 Days (10 Years, 0 Months)
 Anticipated Agreement Start Date: 12-04-2023
 Anticipated Agreement Completion Date: 12-04-2033

Purpose of agreement:

The Potomac River Tunnel (PRT) is a component of the Clean Rivers Project and is required by the Consent Decree. Most of the work sites for the tunnel are on National Park Service (NPS) property because that is where the existing CSO outfalls are located. DC Water and NPS jointly prepared an Environmental Assessment (EA) in 2018 and a Finding of No Significant Impact (FONSI) was signed in 2020 in accordance with the National Environmental Policy Act (NEPA). The FONSI requires DC Water to provide mitigations as part of the project and this agreement authorizes payment for the required mitigations.

Agreement Scope:

- Advance payment for Invasive Species Mitigation – the FONSI requires DC Water to provide \$100,000 to NPS to conduct five acres of invasive species removal in Rock Creek Park to offset impacts to riverine wetlands from the construction activities.
- Advance payment for Visitor/Community Use Experience Mitigation - the FONSI requires DC Water to mitigate impacts to recreational fields, the loss of revenue and loss of visitor use experience due to construction of the tunnel. Construction will be for approximately 6 years in the National Mall area with closure of roads, sidewalks, and trails; construction noise and traffic; displacement of parking spaces; occupation of recreational fields and volleyball courts in the National Mall; disturbance to the setting and visitor experience at National Mall monuments; disturbance to Georgetown Waterfront Park; intrusions to scenic views; and temporary restrictions on recreational activities in areas of the Potomac River. DCCR negotiated with NPS an amount of \$1,500,000 for impacts to Visitor/Community Use Experience, which is less than an independent appraisal assessing the value of temporary use of the land.

Federal Grant Status:

- Work under this Agreement is eligible for Federal grant funding assistance.

AGREEMENT INFORMATION

Contract Type:	Agreement	Award Based On:	N/A
Commodity:	Construction	Contract Number:	N/A

BUDGET INFORMATION

Funding:	Capital	Department:	Clean Rivers
Service Area:	Combined Sewer System	Department Head:	Moussa Wone
Project:	CZ		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	94.91%	\$ 1,518,560.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	3.97%	\$ 63,520.00
Fairfax County	0.71%	\$ 11,360.00
Loudoun County & Potomac Interceptor	0.41%	\$ 6,560.00
Total Estimated Dollar Amount	100.00%	\$ 1,600,000.00

_____/_____
 Wayne Griffith Date
 Acting COO, Executive Vice President

_____/_____
 Dan Bae Date
 VP of Procurement

_____/_____
 Matthew T. Brown Date
 CFO and EVP
 Finance & Procurement

_____/_____
 David L. Gadis Date
 CEO & General Manager

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

**LEAD FREE DC (LFDC) LEAD SERVICE LINE REPLACEMENT (LSLR) PROGRAM FY23-FY26
BLOCK BY BLOCK CONSTRUCTION**

(Non-Joint Use)

Approval of task order-based Lead-Free DC (LFDC) Lead Service Line Replacement (LSLR) Program with a program budget amount not-to-exceed \$130,000,000 for a period of three years to execute eight Master Service Agreements (MSA) to the selected Qualified Contractors.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: See Attachment A for list of PRIME Qualified Contractor Participation	SUBS: Subs will be identified for each task order awarded.*	PARTICIPATION: See Notes Below**
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* Eight firms were qualified to participate on Lead Free DC (LFDC) Lead Service Line Replacement (LSLR) Program. Each of the Eight demonstrated a history of successfully meeting established goals for DBE/ WBE utilization. Additionally, the qualified firms agreed to work with DC Water to actively engage the certified business community and meet/exceed DC Water’s business diversity, equity, and inclusion goals established for each task order they are awarded.

** The overall utilization goals for the Master Service Agreement are 35% DBE and 15% WBE, respectively.

DESCRIPTION AND PURPOSE

Program Value, Not-to-Exceed	\$130,000,000.00
Program Time:	3 years (1,095 days)
Anticipated Program Start Date (NTP):	02-28-2023
Anticipated Program Completion Date:	02-28-2026
Bid Opening Date:	11-09-2022
Qualified Bids Received (See Attachment A):	8

Purpose of the Program:

To support DC Water’s Lead-Free DC (LFDC) Lead Service Line Replacement (LSLR) Program, which will replace all lead service lines in the District of Columbia by 2030. This contract will provide construction resources for FY23-FY26 block-by-block lead service line replacements as a component of the LFDC Capital Improvement Program.

- The qualification Program to identify and engage a pool of multiple contractors who are ready and willing to participate and compete for LFDC LSLR projects/work
- Issuance of master service agreements that will allow early engagement with Suppliers for materials planning and constructability /risk mitigation during project planning phase and the opportunity to efficiently compete for LFDC/LSLR projects as task orders.
- Establish a Performance Management process to provide immediate feedback, review lessons learned, assist Contractors to be successful in bidding and performing on projects, and overall, continuously drive improvements in the process and DC Water's ability to meet the CIP schedule

Contract Scope:

- Remove existing lead, galvanized, and brass water service lines and replace with new copper pipe.
- Installation of Meters (provided by DC Water) Meter Boxes, Frame and Covers. Meter activation will be completed by DC Water staff.
- Installation of Curb Stop and Curb Stop Box.

- Private side tie-in and coordination with homeowners.
- Restore and/or replacement of asphalt and concrete roadways (i.e., permanent street restoration), brick and concrete sidewalks, landscaped areas, and other miscellaneous repairs that result from block-by-block projects.
- Interior restoration as required.

Federal Grant Status:

- This construction contract change order is eligible for Federal grant funding assistance: inclusion in grant is pending availability of grant funds.

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Lowest responsive, Responsible Bidder
Commodity:	Construction	Contract Number:	230030
Contractor Market:	Pre-Qualified Contractors		

BUDGET INFORMATION


Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	William Elledge
Project:	ST		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 130,000,000.00
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%	\$ 130,000,000.00

wayne Griffith
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 Date: 2023.01.06 16:12:45 -05'00'

 Wayne Griffith Date
 Acting COO, Executive Vice President


 Digitally signed by Dan Bae
 DN: C=US, E=dan.bae@dowater.com,
 O=District of Columbia Water and Sewer
 Authority, OU=VP of Procurement &
 Compliance, CN=Dan Bae
 Date: 2023.01.06 16:41:18-05'00'

 Dan Bae Date
 VP of Procurement

Matthew T. Brown
 Digitally signed by Matthew T. Brown
 Date: 2023.01.09 15:52:41 -05'00'

 Matthew T. Brown Date
 CFO and EVP
 Finance and Procurement

 David L. Gadis Date
 CEO and General Manager

**CONSTRUCTION CONTRACT:
Lead Free DC (LFDC) Lead Service Line Replacement (LSLR) Program
(Non-Joint Use)**

Anchor Construction Co Inc.
2254 25th Place NE
Washington, DC 20018

Capitol Paving of DC Inc.
2211 Channing Street, N.E.
Washington, DC 20018

Capital Premier Construction, LLC (DBE)
650 Massachusetts, NW
Washington, DC 20018

Fort Myer Construction Corporation
2237 33rd Street, Northeast
Washington, DC 20018

National Services Contractors (DBE)
2007 MLK Jr Ave, SE
Washington, DC 20020

North Arrow Inc (DBE)
820 First St, NE, Suite LL 170,
Washington, DC 20002

Spiniello Companies
3500 East Biddle Street
Baltimore, MD 21213

The Ford Design Group
111 N Orange Avenue, Suite 860
Orlando, FL, 32801

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

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

Approval to execute a construction contract for \$14,157,282.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of D.C., Inc. 2211 Channing St NE Washington, DC 20018	Omni Excavators, Inc. Washington, DC DBE	17.7%
	E&R Minority Suppliers LLC Sterling, VA DBE	14.1%
	Acorn Supply & Distributing, Inc White Marsh, MD WBE	6.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$14,157,282.00
Contract Time:	1,005 Days (2 Years 9 Months)
Anticipated Contract Start Date (NTP):	03-08-2023
Anticipated Contract Completion Date:	12-07-2025
Bid Opening Date:	10-31-2022
Bids Received:	6
Other Bids Received	
Sagres Construction Corp.	\$14,657,631.00
Fort Myer Construction Corp	\$15,795,011.00
Spiniello Companies	\$17,253,300.00
Anchor Construction Co Inc.	\$17,999,315.00
Civil Construction, LLC	\$18,306,015.00

Purpose of the Contract:

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

Contract Scope:

- Replace 3.82 miles of water mains, associated valves and appurtenances.
- Replace copper water services two (2) inches in diameter and smaller in public and private space as needed.
- Replace curb stop / curb stop box, meter box and penetration through building wall and connection to first fitting inside the building including installation of a shut-off valve and pressure reducing valve.
- Provide permanent pavement and surface restoration.

Federal Funding Status:

- Construction contract is funded in part by Federal grant.
- Construction contract is anticipated to be funded in part from a Water Infrastructure Finance and Innovation Act (WIFIA) loan.

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	200030
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	William Elledge
Project:	HX, BW		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	20.00%	\$2,831,456.40
Federal Funds	80.00%	\$11,325,825.60
Washington Suburban Sanitary Commission	0.00%	\$0.00
Fairfax County	0.00%	\$0.00
Loudoun County & Potomac Interceptor	0.00%	\$0.00
Total Estimated Dollar Amount	100.00%	\$14,157,282.00

wayne Griffith

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Date: 2023.01.06 16:12:06 -05'00'

Wayne Griffith _____ Date _____
Acting COO, Executive Vice President

Matthew T. Brown

Digitally signed by Matthew T. Brown
Date: 2023.01.10 13:22:46 -05'00'

Matthew T. Brown _____ Date _____
CFO and EVP
Finance and Procurement



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: 2023.01.06 16:41:37-05'00'

Dan Bae _____ Date _____
VP of Procurement

David L. Gadis _____ Date _____
CEO and General Manager