



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

Meeting of the
Environmental Quality and Operations Committee

**Thursday, October 20, 2022
9:30 a.m.**

Microsoft Teams

Join on your computer or mobile app

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Or call in (audio only)

[+1 202-753-6714,,142812080#](#)

Phone Conference ID: 142 812 080#

- | | | | |
|------------|-------|--|--|
| 9:30 a.m. | I. | Call to Order | Sarah Motsch
Chairperson |
| | II. | Roll Call | Alfonzo Kilgore Stukes
Acting Board Secretary |
| 9:35 a.m. | III. | AWTP Status Update | |
| | | 1. BPAWTP Performance | Aklile Tesfaye |
| 9:50 a.m. | IV. | First Street Tunnel Outage for Northeast Boundary Tunnel Commissioning | Moussa Wone |
| 10:00 a.m. | V. | Integrated Supply Chain Management | Dan Bae/Rudy Gonzalez/Joel Grosser |
| 10:15 a.m. | VI. | Action Items | David Parker |
| | | <u>Joint Use</u> | |
| | | 1. Contract No.: DCFA-496 - Basic Ordering Agreement 8 - Wastewater Treatment Facilities, Ramboll | |
| | | <u>Non-Joint Use</u> | |
| | | 1. Contract No.: DCFA 530A - Traffic Control Plans - Basic Ordering Agreement, Cube Root Corporation | |
| | | 2. Contract No.: DCFA 530B - Traffic Control Plans - Basic Ordering Agreement A. Morton Thomas and Associates, Inc. | |
| 10:30 a.m. | VII. | Water Operation Updates | |
| | | 1. Fire Hydrants/Map | Sylvia Okogi |
| | | 2. Water Quality | Maureen Schmelling |
| 10:40 a.m. | VIII. | Other Business / Emerging Issues | |

10:45 a.m.	IX.	Executive Session*	Sarah Motsch Chair
11:00 a.m.	X.	Adjournment	Sarah Motsch Chair

Follow-up Items from Prior Meetings:

1. 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. **[Target: November EQ&Ops Meeting]**
2. Kishia Powell (COO): Add “PFAS Liability and Indemnification” as an agenda item in a future executive session. **[October EQ&Ops Meeting]**

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



Blue Plains Complete Treatment Performance

Environmental Quality & Operations Committee

October 20, 2022

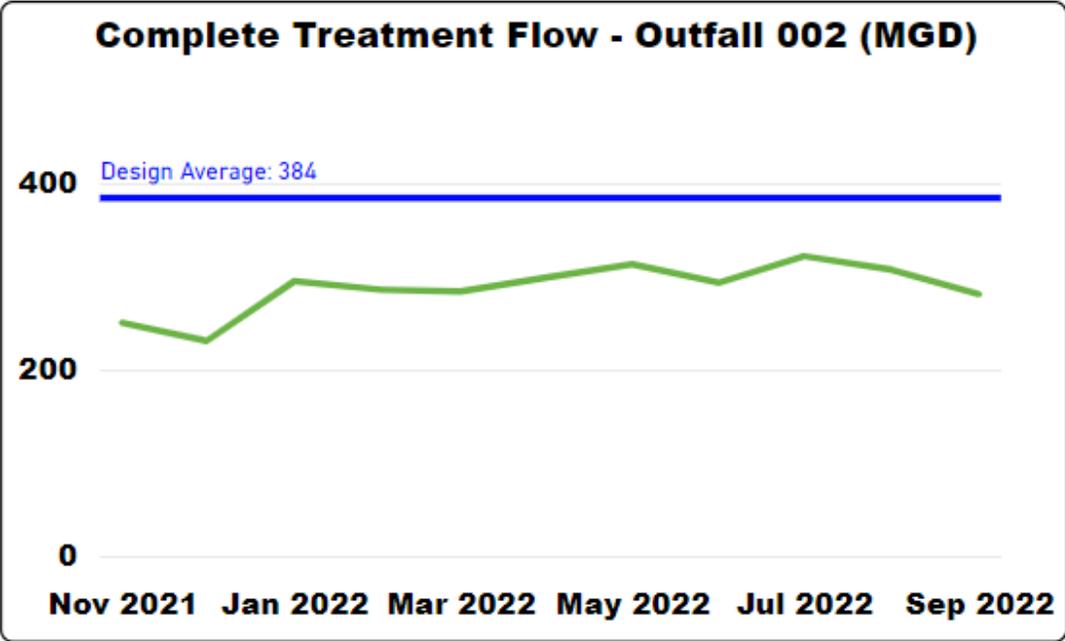


Aklile Tesfaye, Vice President, Wastewater Treatment Operations



Operational Performance Complete Treatment

Monthly Average Flow Trend to Complete Treatment (MGD)



- All weekly and monthly NPDES permit requirements were met
- Average Outfall 002 flow: 281 MGD



Operational Performance Wet Weather Treatment

Blue Plains Electrical Energy Use and Generation*

	September 2022*	Calendar Year 2022 (Through September)
Total Precipitation, inches (DCA gauge)	2.7	33.6
Total Volume Captured in the Anacostia Tunnel, MG	44	1871
Measured Overflow, MG	0	72
Percent Captured	100%	96%
Screenings and Grit Capture, tons	239	1108

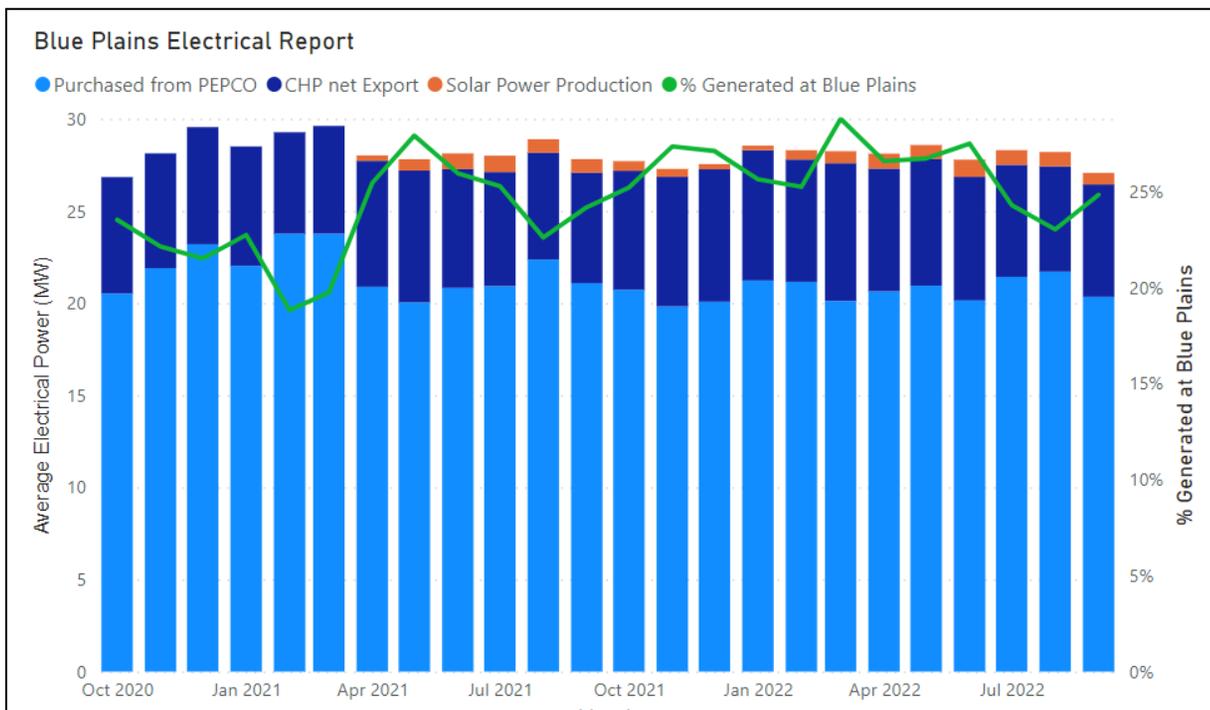
- Total of 44 MG of combined wet weather flow was captured in the tunnel and treated through the plant
- There were no measured overflows from CSOs associated with the existing Anacostia Tunnel System

*Based on preliminary data



Operational Performance Electrical Energy Use and Generation

Blue Plains Electrical Energy Use and Generation



- 25% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 7.4 megawatts (MW), with 6.1 MW net to Blue Plains grid
- Solar System produced an additional 0.6 MW of power on average
- Total electricity consumption at Blue Plains averaged 27.1 MW
- DC Water purchased an average of 20.3 MW of electricity from PEPCO

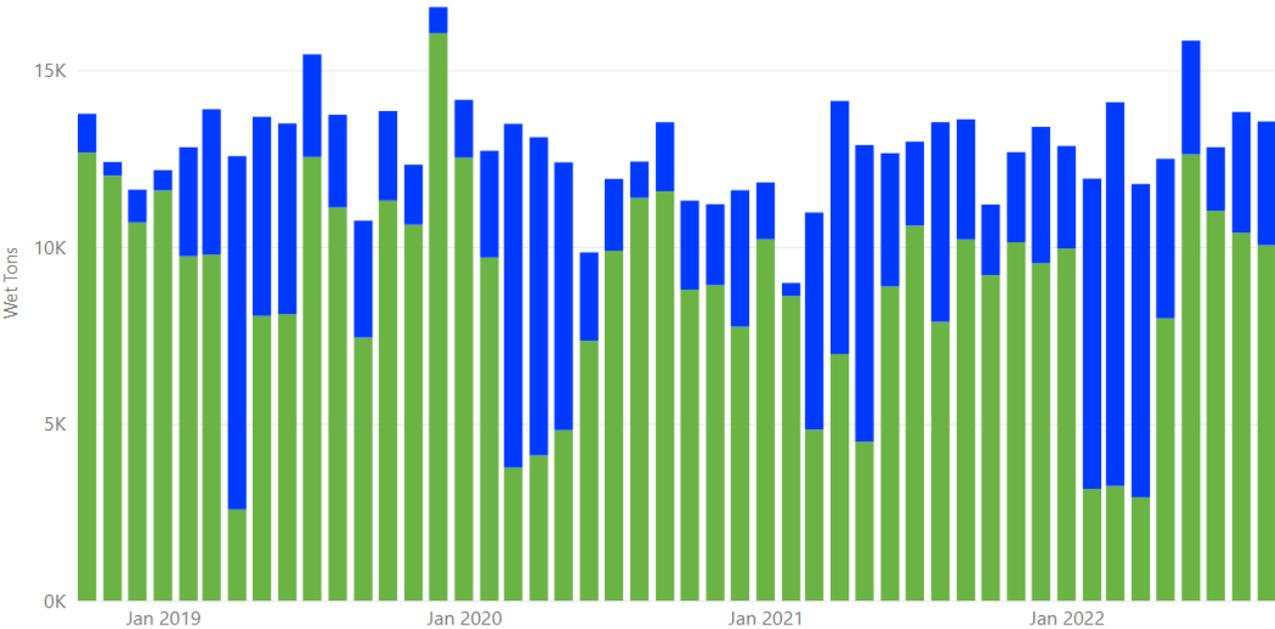


Operational Performance Class A Biosolids Production

Total Production of Class A Biosolids and Beneficial Reuse by Type

Total Production of Class A Biosolids and Beneficial Reuse by Type

● Land Application ● Marketing as Bloom



- In September, Blue Drop sold 3499 tons of Bloom, for a FY22 total of 56,310 tons, which exceeded the goal of 55,000.



Research and Development PFAS Preliminary Sampling Wastewater & Biosolids

Why are we doing PFAS sampling?

This preliminary sampling campaign will provide us with an initial dataset that can help us:

1. To identify potential industrial PFAS sources that we would need to regulate to decrease PFAS loads to Blue Plains.
2. To allow for comparing our levels of PFAS in influent, effluent and biosolids with other facilities and potential regulatory requirements.
3. To gain knowledge on transformations of PFAS within processes and during Bloom curing or composting that will inform us about product quality as a function of methodology/process applied.
4. PFAS sampling campaign is happening September 2022-October 2022.
5. Initial results are expected by beginning 2023.



Research and Development Preliminary PFAS Sampling – Wastewater & Biosolids

Pretreatment program	Fate through Blue Plains	Bloom
7 significant industrial users	Influent (3 main trunk sewers & lower and upper oxon run)	cured bloom product
2 hauled waste source types	Sampling over process units	during curing process
3 landfill leachate sources	Effluent and cake	Before and after composting
	Storm water treatment	





Northeast Boundary Tunnel Commissioning

Environmental Quality & Operations Committee

October 20, 2022



Moussa Wone, Director, Clean Rivers



Agenda

- System Layout
- Commissioning Plan
- Risk Mitigation Plan
- Communication Plan
- Next Steps

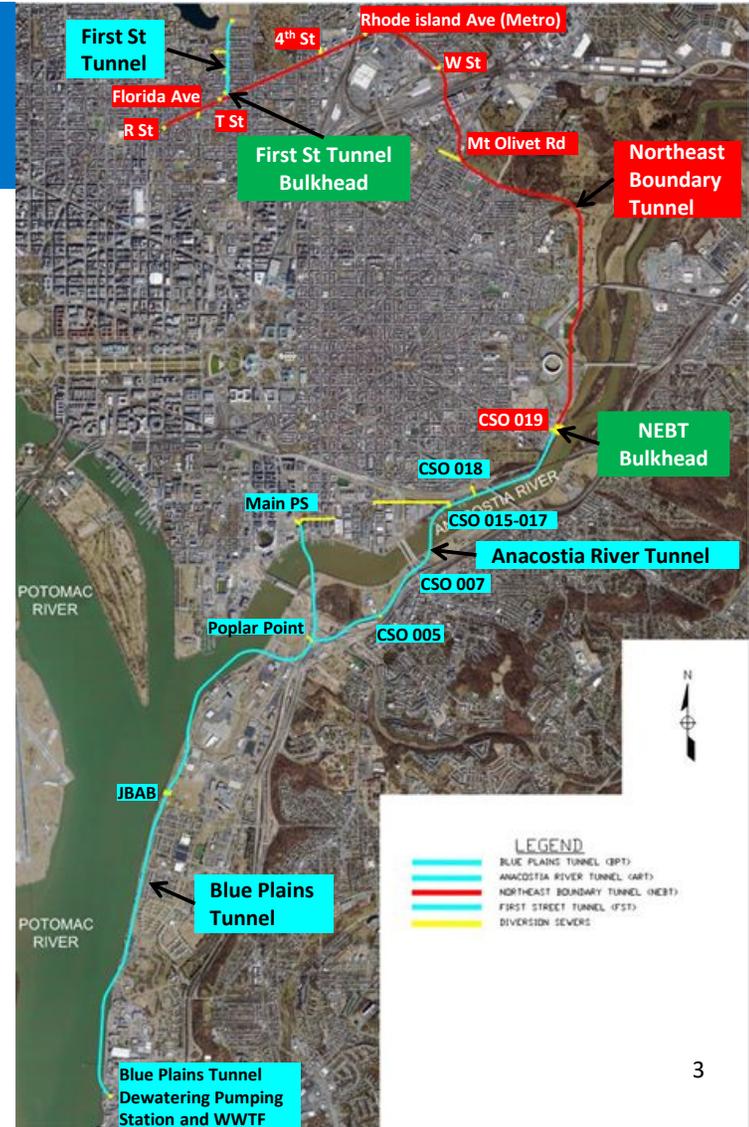
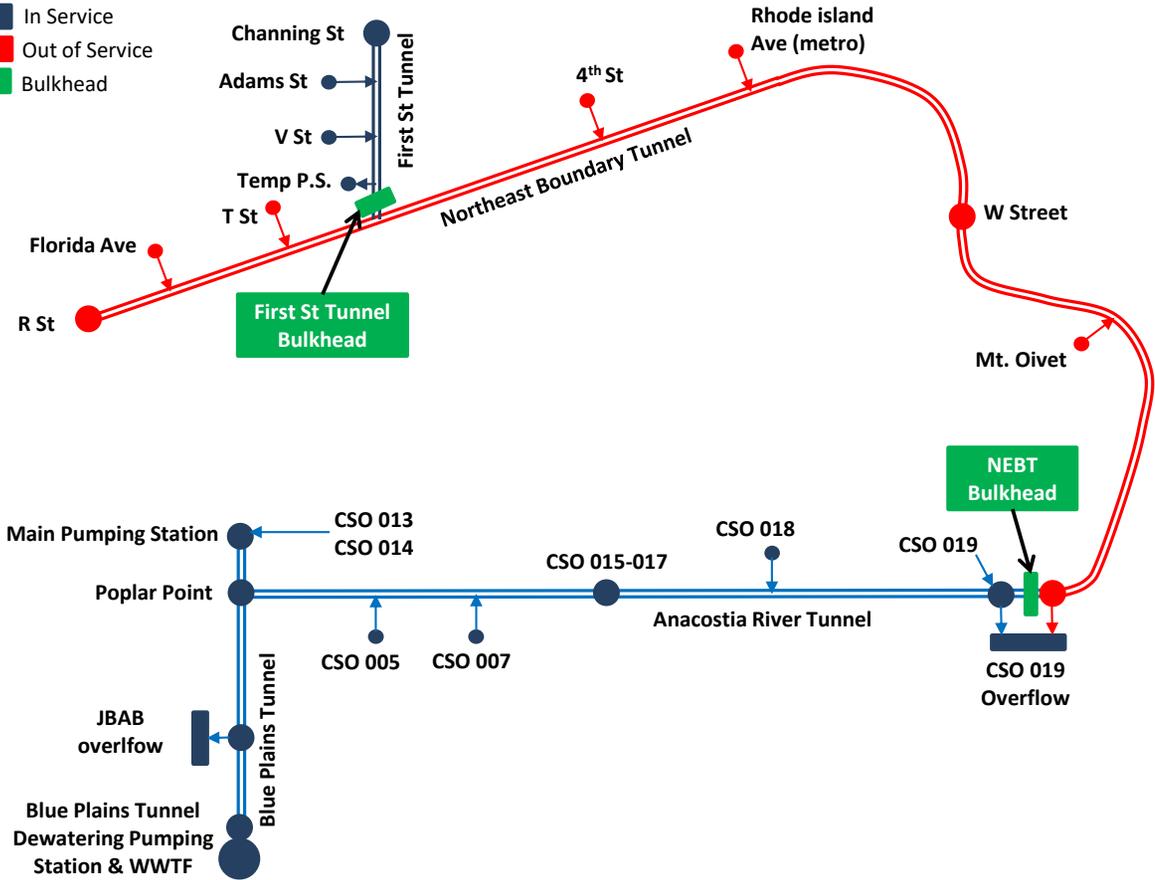




System Layout

Legend

- In Service
- Out of Service
- Bulkhead

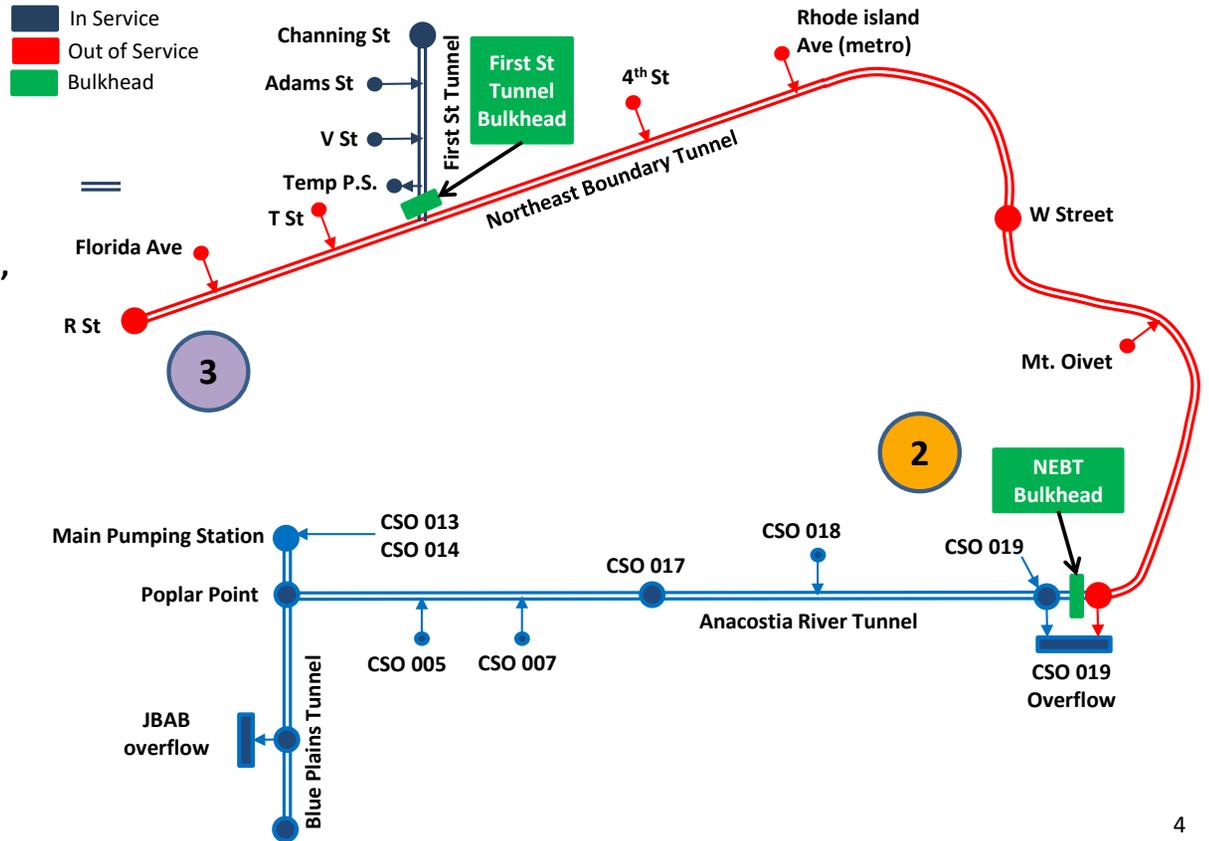




Commissioning Plan – Original (Plan has 16 Phases, This is Simplified Plan)

- 1 • Take First St Tunnel out of service, remove cunette & bulkhead
- 2 • Take CSO 019 diversion out of service and demolish NEBT bulkhead
- 3 • Put CSO 019 back in service
• Activate NEBT diversions
• Activate First St Tunnel

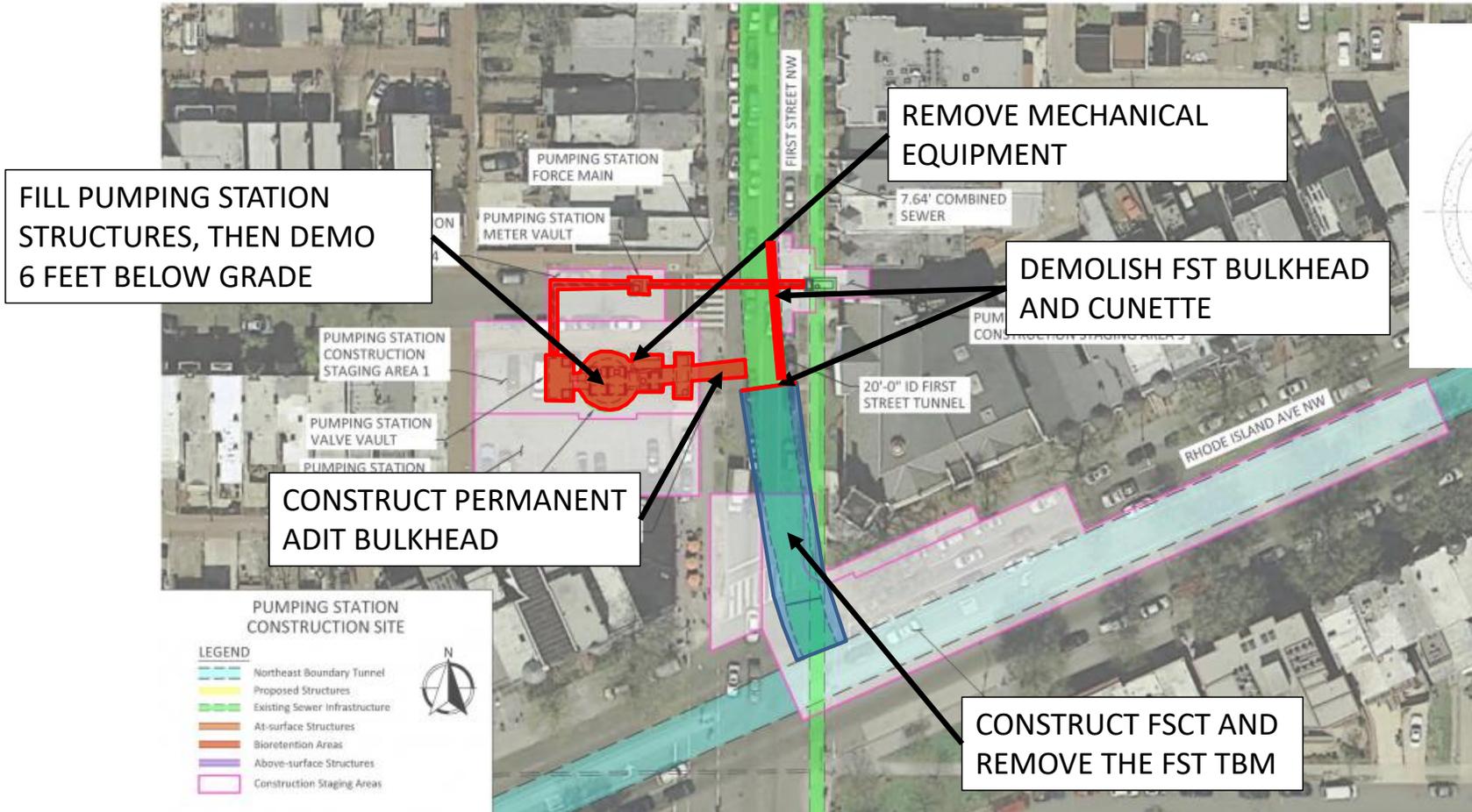
Summer 2023,
90 Days Max



Concern: flooding risk of taking First St Tunnel out of service in summer 2023



Work at First Street Tunnel Connection



Cunette in First St Tunnel

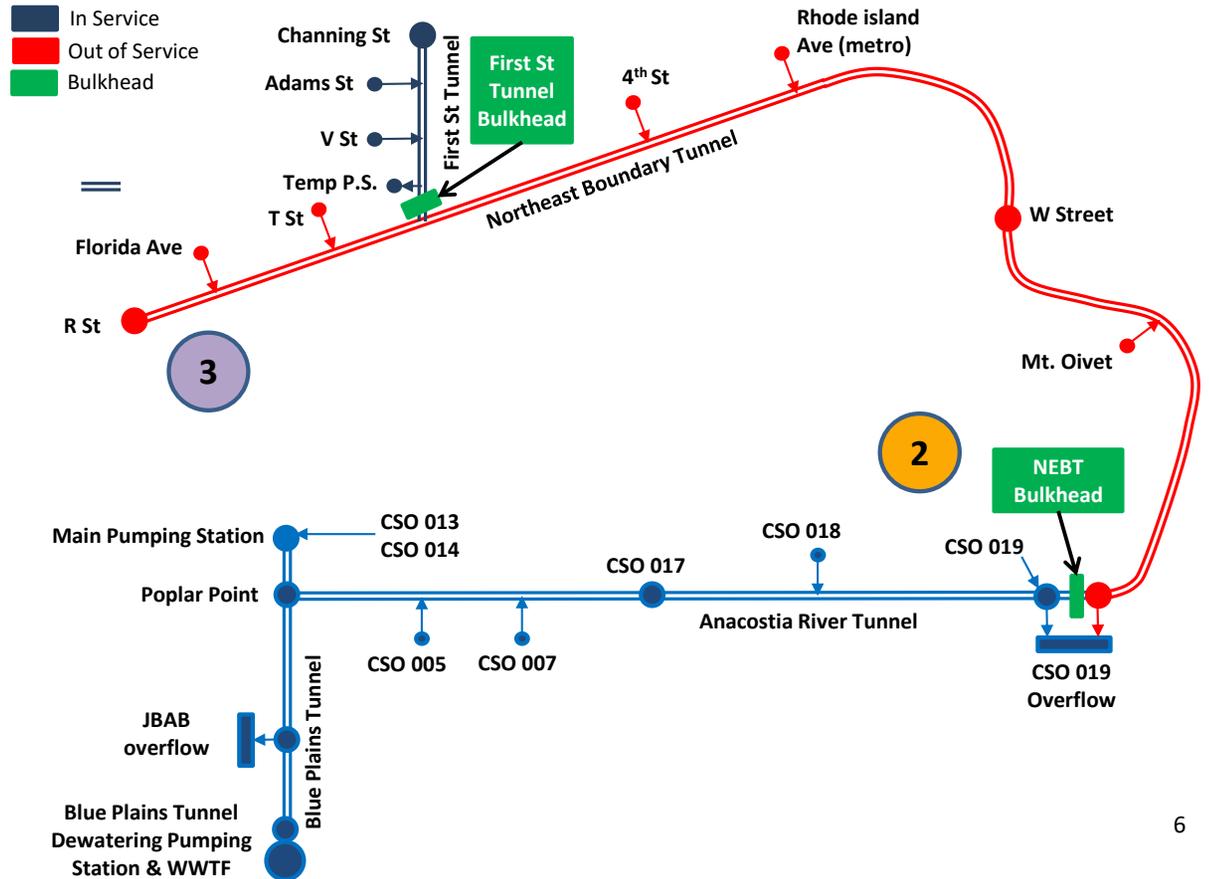


Commissioning Plan - Revised

- 1** • Take First St Tunnel out of service, remove cunette
• Put tunnel back in service
- 2** • Take CSO 019 diversion out of service and demolish NEBT bulkhead
• Demolish First St Tunnel bulkhead
- 3** • Put CSO 019 back in service
• Activate NEBT diversions

**This winter:
Dec 2022 –
Feb 2023**

**Work around
rain events in
Summer 2023**



Mitigates risk of taking First St Tunnel out of service during flood risk period



Schedule

First St Tunnel Out of Service
Dec 2022 – Feb 2023



Activity	2022	2023		
	Q4	Q 1	Q2	Q3
Florida Ave - NEBT Liner & Diversion	[Solid blue bar spanning Q4 2022, Q1 2023, and Q2 2023]			
First St Tunnel Connection	[Solid blue bar spanning Q4 2022 and Q1 2023]			
Diversion Sites, Inlets, Shaft Covers	[Solid blue bar spanning Q4 2022, Q1 2023, and Q2 2023]			
Bulkhead Demolition & Commissioning	[Dashed orange bar spanning Q2 2023 and Q3 2023]			

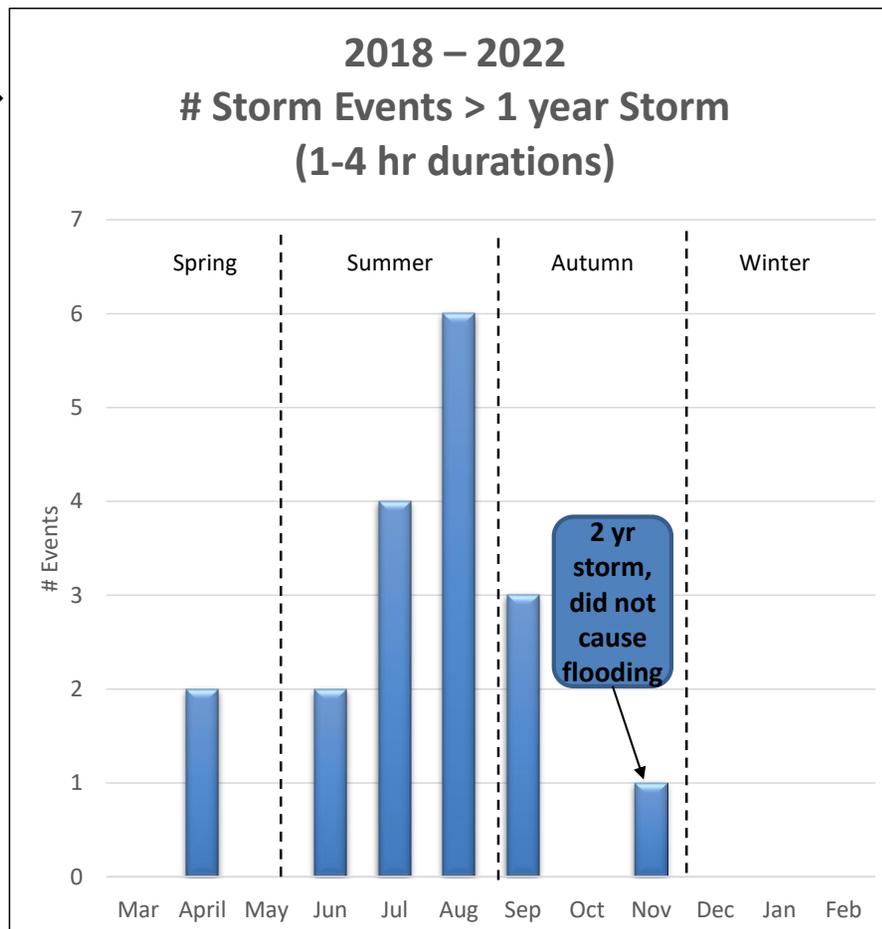
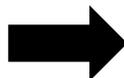


Predicted commissioning period based on current schedule, dependent on construction progress over next 9 months



First Street Tunnel – Risk Mitigation Plan

- Large and intense rain events that cause flooding don't typically occur in winter
- Facilities that remain in service
 - Irving Street Green Infrastructure Project= 0.4 million gallons
 - McMillan Stormwater Storage Projects = 3.6 million gallons
 - DDOT 5-ft diameter detention sewer under Rhode Island Avenue NW
 - Pervious pavement installed in Bloomingdale alleys
- Large storm that is predicted
 - Tunnel can be put back in service with 24-hours notice for a hurricane/tropical storm or other large predicted storm





First Street Tunnel – Communications Plan

No.	Description	Plan
1	Senior Executive Team (SET)	Monday October 3, 2022
2	Environmental Quality & Operations Committee (EQ&Ops)	October 20, 2022
3	Political Leadership	Briefing for CM McDuffie, ANC 5E
4	Community Leadership	Briefings for Civic Associations: Bloomingdale , LeDroit Park, Stronghold
5	Community Forums Tunnel Forum	Tunnel Forum, October 27, 2022
6	General Public Door Hangers in neighborhood, Email/newsletter info	Newsletter update of FST temporary closure:
7	Catch Basin Cleaning	Clean catch basins in Oct and 1/month during outage
8	Sandbag Distribution ahead of major storm events	Prepare sand bags and set up distribution center in neighborhood if major event predicted (hurricane/tropical storm)
9	Backflow Preventor Program Get Yours Maintenance Tips	Include information in outreach communication
10	Floodproofing Homes Program	Include information in outreach communication
11	Press Release Notification	9



Next Steps

- Begin community outreach activities
- Advise EPA of outage in letter (no impact on CSO performance)
- First St Tunnel out of service Dec '22- Feb '23



Integrated Supply Chain Management Environmental Quality & Operations Committee October 20, 2022



Dan Bae, VP of Procurement
Rudy Gonzalez, Director of Procurement, Capital Programs
Joel Grosser, Director of Procurement, Goods and Services



Purpose

**To inform Committee and Board of Directors
of DC Water's supply chain strategy to
address supply chain issues**



Table of Contents

- 1. Current Supply Chain Landscape**
- 2. DC Water's Strategy**
- 3. Pros, Cons, and Mitigation Plan**
- 4. Examples of application**
 - 1. Integrated Supply Chain for Capital Programs**
 - 2. Chemical Supply Chain Management**
- 5. Contracting Options**
- 6. Q&A**



Current Supply Chain Landscape

❖ Shortages

- From durable goods to computer chips
- Food, fuel, energy, transportation
- Closure of some chemical manufacturing facilities

❖ Extremely Long Lead Time

- Ductile & copper pipes: 10 – 15 months
- Valves & Fitting: 6 – 12 months

❖ Price

- Gas chlorine: increase 3 to 5 times over the last 2 years

❖ Typical Procurement Process

- Passive and does not proactively manage the supply chain
 - Procure from distributors
 - Contractors procure construction materials after the contract award

❖ Factors influencing supply chain issues

- Pandemic
- Production delays
- Logistics disruptions
- Labor shortage
- Food and Energy shortage
- Low interest rates increased spending
- Inflation & Monetary Policies
- Geopolitical tensions (i.e., Ukraine war)
- Trade tensions limiting sources
 - Trade tariffs and Buy America Build America
- Increasing demand
 - Infrastructure Bill



Strategy: Supply Chain Management (vs Procurement)



- **Deploy a total Supply Chain Management**
- **Actively engage in the entire supply chain from manufacturing to logistics**
- **DC Water to engage and manage the entire supply chain cycle, not just procurement**

Strategy:

- Deploy Supply Chain Management (proactive) vs. Procurement (passive)
- Actively monitor the entire supply chain and key factors
- Manage the Supply Chain Risks by actively engaging and procuring directly from manufacturers or key suppliers and form strategic partnership
- Engage them during the planning and design, not after the contract award
- Forecast the need and order materials during the planning and design, not after the contract award
- Identify and maintain multiple suppliers and replacements

Result: potentially could reduce the lead time by 10-12 month





Strategy: Supply Chain Management (vs Procurement)

❖ Pros

- Supports BluePrint 2.0 Imperatives: Reliable, Resilience, & Sustainable
- Reduces lead time and improves materials availability by as much as 10-12 month
- Reflects the latest market conditions into planning
- Identifies any potential alternates
- Reduces bonding and working capital requirements for contractors (lowers entry barrier)
- Reduces potential large material markup by contractors

❖ Cons

- Additional work on DC Water
- Financial risk from inaccurate forecast
- New to DC Water. Requires change in process/workflow for DC Water
- May impact some existing Contractor-Supplier relationships
- Liabilities from materials receiving process

❖ Mitigation

- Implement “Materials Planning Team” for close collaboration internally as well as externally with suppliers and contractors
- Design a good forecasting model and rolling release of materials
- Communication and training of new process
- Robust logistics planning



Example I

Integrated Supply Chain for Capital Programs



Current Challenges

❖ Extremely Long Lead Time

- Ductile & copper pipes: 10 – 15 months
- Valves & Fitting: 6 – 12 months

❖ Process Challenges

- Current Procurement process can not address these challenges
- Under current process and market conditions, construction can start 26 months after the start of solicitation due to the long lead time for solicitation and materials
- Contractors order materials after Notice To Proceed

❖ Pros

- Convenient for DC Water
- DCW does not need to invest in inventory and management
- Less administrative work for DC Water

❖ Cons

- DC Water can not address supply risks because we do not have direct control on materials
- No opportunity to mitigate lead times & price escalation
- Delay and costs overruns for CIP





Integrated Supply Chain for Capital Programs

❖ Scope

- Projects
 - Small Diameter Water Main Replacement
 - Lead Free DC
 - Sewer Pipe Rehabilitation
 - Operational Spares for Water and Sewer Operations for repairs and maintenance
- Categories
 - Ductile Iron Pipe, Valves, Fittings, Copper Tubing, Hydrants, Meters

❖ Strategy

- Pre-qualify contractors to be available when the work is ready
- DC Water DIRECTLY manages the material supply to assure timely availability of materials

❖ Plan

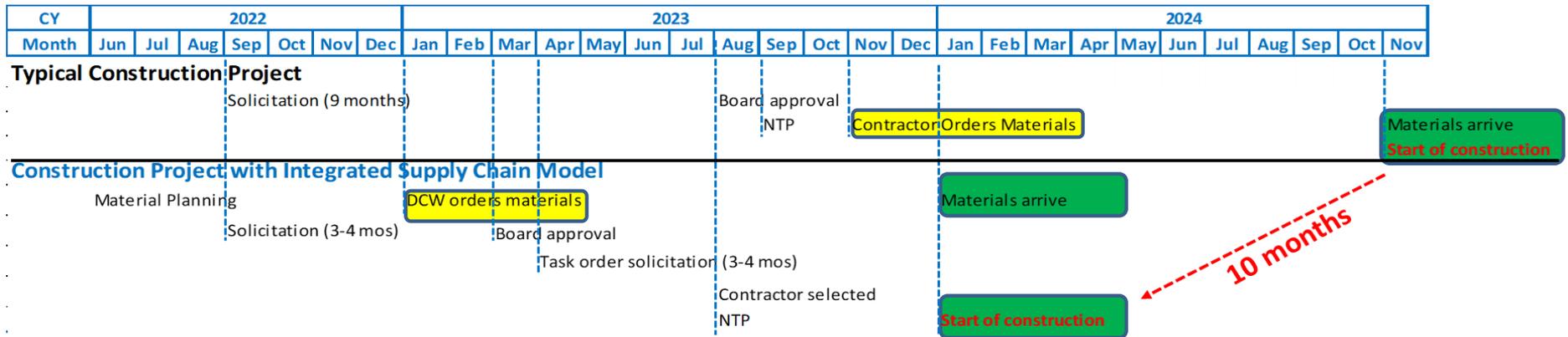
- Identify and engage directly with key suppliers and their manufacturers
- Establish a pool of qualified contractors to engage during planning and ready to start the work
- Engage contractors and suppliers early at planning and design, not after the contract award
- Develop Bill of Materials (BOM) and forecast
- Order materials early per forecast during the planning and design
- Develop and execute logistics plan (warehousing)
- Pay the supplier for pipes and contractor for any handling

❖ 2-Step Solicitation Process: Qualification → Bid

- Qualified contractor to bid on work when the work is ready
- Supports DC Water's business development goals:
 - Direct subcontracting/support opportunities for certified firms
 - Will result in more meaningful certified firm participation (and job creation).
 - Capacity Building (mentor-protégé) opportunities



Application to LFDC



- ❖ Assumed 12-months material lead time per current market condition
- ❖ Possible to reduce the construction start by 10 months

- ❖ **Key to the success:**
 - Materials Planning and DCW ordering materials during planning
- ❖ **New Process is already deployed for LFDC:**
 - New 2-step solicitation process is already in use
 - Materials Planning activities started in early summer
 - Key suppliers already identified thru RFI



Example 2

Chemical Supply Chain Management



Chemical Supply Chain Management: **Supply Security**

How DC Water Sources Chemicals

- ❖ Constantly monitor Supply markets for products and raw materials, Price indices, and Geopolitics
- ❖ RFPs and contracts for individual chemicals
- ❖ Source directly from manufacturers or major distributors with large capacity and multiple locations
- ❖ Supply security: multi-sourcing with independent supply chains for true capacity
- ❖ Multiple manufacturing locations and inventory locations to avoid capacity and logistic challenges
- ❖ Tight integration with the Wastewater treatment plant on planning, ordering, and inventory
- ❖ Foster strategic business relationships with suppliers
- ❖ Seek to be the customer of choice

Other Elements of Supply Security

- ❖ Suppliers agree to accept all purchase orders and fulfill all requested deliveries
- ❖ Suppliers agree not to place DC Water on "allocation". DC Water's allocation is 100% of demand
- ❖ Constant communication with suppliers on changing supply situations
- ❖ Immediate communication of supply chain delays or disruptions
- ❖ Abide by safety procedures and delivery procedures



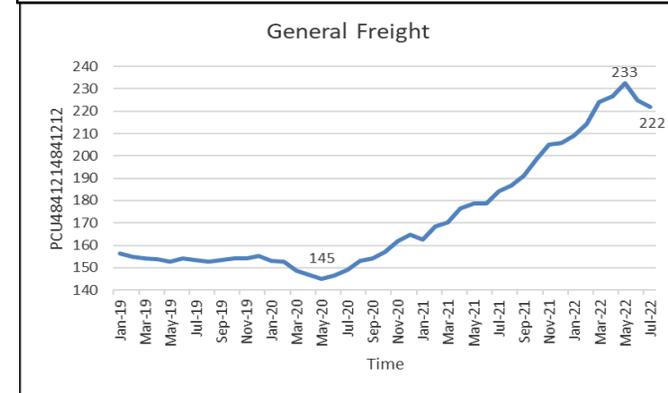
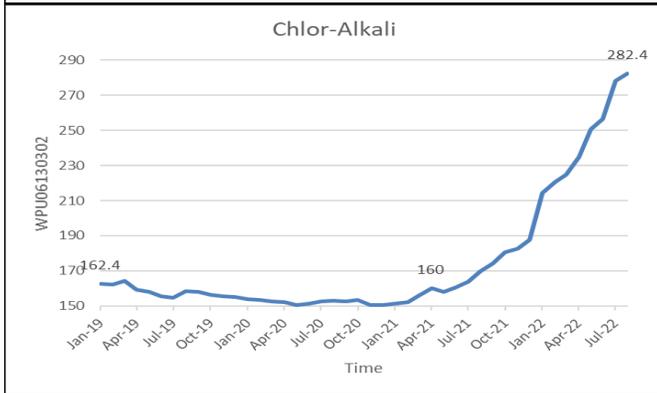
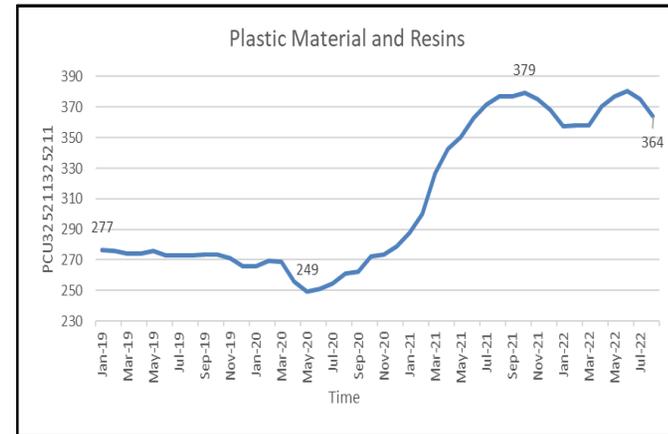
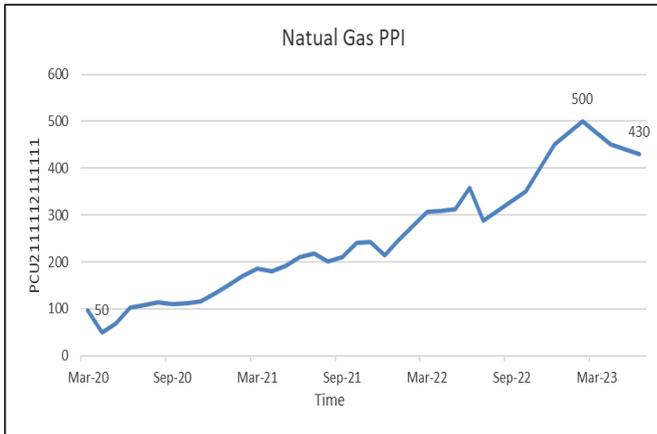
Major Chemical Sourcing Posture

	Sourcing	Source Type	Manufacturing Locations	Inventory Locations	Watch-Outs
Methanol	Dual	Manufacturer & Distributor	Multiple	Multiple	Natural gas, geo-political instability
Ferric Chloride	Dual	Manufacturer & Distributor	Multiple	Multiple	Steel industry
Sodium Hypochlorite	Single	Manufacturer	Multiple	Multiple	Seasonal demand, CCU
Sodium Bisulfite	Dual	Manufacturer	Multiple	Multiple	CCU
Calcium Hydroxide	Single	Manufacturer	Multiple	Multiple	NaOH demand
Sodium Hydroxide	Dual	Distributor	Multiple	Multiple	Force majeure, construction industry
Polymers	Single	Manufacturer	Multiple	Multiple	Chemical intermediates

- ❖ **Availability of trucks and drivers is a concern**
- ❖ **Consider alternate chemicals**



Some Cost Driver Markets We Follow





Contracting Options

❖ Rider Contracts

- Mid-Atlantic Council of Government (COG) Cooperative Rider Clause is in our contracts
- DC Water utilizes other agency contracts
 - Vehicle Maintenance Service contract by Loudon County, VA
 - DPW for public works
 - GSA for telecommunication service
- Many agencies are also riding our contracts
 - Management consulting service
 - IT Service
 - Industrial cleaning

❖ Joint Procurement

- DC Water has actively engaged in the discussions with other agencies to identify opportunities to leverage volumes in procurement
 - WSSC, AlexRenew, Fairfax, Loudon, Prince William, Washington Metropolitan COG

❖ DC Water contracting approach

- Competitive procurement and negotiate contracts to assure price competitiveness, performance, and risk mitigation
- Emphasis on the quality and availability of goods and services
- Individualized strategy and contract on critical supplies such as chemicals to assure supply security

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

ACTION REQUESTED

ARCHITECTURAL AND ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT:

**Basic Ordering Agreement 8 - Wastewater Treatment Facilities
Construction Management
(Joint Use)**

Approval to execute Supplemental Agreement No. 1 for \$1,559,427.70. The modification exceeds the Chief Executive Officer and General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Ramboll (Formally O'Brian & Gere Engineers, Inc.) 4201 Mitchellville Road – Suite 500 Bowie, MD 20716	BVF Engineering, Inc Columbia, MD	DBE 51.0%
	Bryant & Associates, Inc Landover, MD	DBE 15.0%
<u>Headquarters</u> Syracuse, NY 13221	The Robert B. Balter Co Owings Mill, MD	WBE 10.0%
	Keville Enterprise, Inc Herndon, VA	WBE 4.0%

DBE Total = 66.0% and WBE Total = 14.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$6,000,000.00
Value of this Supplemental Agreement:	\$1,559,427.70
Cumulative SA Value, including this SA:	\$1,559,427.70
Current Contract Value, including this SA:	\$7,559,427.70
Original Contract Time:	1,825 Days
Time Extension, this SA:	0 Days
Total SA Contract Time Extension:	0 Days
Contract Start Date:	November 7, 2018
Contract Completion Date:	November 6, 2023

Purpose of the Contract:

To provide onsite construction management and related engineering services for the DC Water Blue Plains Advanced Wastewater Treatment Plant on as as-needed basis through individually negotiated task orders.

Original Contract Scope:

- Task orders will provide construction management and related engineering services for CIP projects as needed.
- Professional services are anticipated in the following disciplines civil, structural architectural, process mechanical, plumbing, HVAC, instrumentation, and control and electrical.
- Projects will include upgrades and additions to various facilities and structures at the Blue Plains Advanced Wastewater Treatment Plant
- Work will be accomplished through a series of definitive Task Orders. Each task order will identify the scope of work, deliverables, compensation, and schedule for performance

Current Supplemental Agreement Scope:

- The scope remains the same as the original task order (Task Order no. 3); to provide construction management and related engineering services for the construction of the Reclaimed Final Effluent Pump System Upgrades (RFEPS) project. The additional amount is necessary to maintain minimum staffing levels to complete the RFEPS project. This will include a full-time project lead, an electrical inspector, and part time special inspections and project administration staff.

Future Supplemental Agreement Scope:

- No future supplemental agreement is anticipated at this time.

PROCUREMENT INFORMATION

Contract Type:	Cost Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Services	Contract Number:	DCFA-496
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Wastewater Engineering
Service Area:	Wastewater	Department Head:	David Parker
Project:	IY		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	41.22%	\$ 642,796.10
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	45.84%	\$ 714,841.66
Fairfax County	8.38%	\$ 130,680.04
Loudoun County & Potomac Interceptor	4.56%	\$ 71,109.90
Total Estimated Dollar Amount	100.00%	\$1,559,427.70

 / 10.11.22
 Kishia L. Powell Date
 COO and EVP

 /
 Dan Bae Date
 VP of Procurement

Dan Bae
 C=US; E=dan.bae@dcwater.com;
 O=District of Columbia Water and Sewer
 Authority; OU=VP of Procurement &
 Compliance; CN=Dan Bae
 2022-10-11 11:12:45-0400/

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

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

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

ACTION REQUESTED

ARCHITECTURAL AND ENGINEERING SERVICES:

Engineering Services to Produce Traffic Control Plans (TCP's) for Capital Improvement Projects - Basic Ordering Agreement (Non-Joint Use)

Approval to execute an architectural and engineering services contract not to exceed \$2,000,000 for the contract period of three years plus two renewal periods of one year each. The renewal periods will be approved at DC Water's sole discretion.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Cube Root 1100 H ST NW 805 Washington, DC 20005 DBE	(PRIME PARTICIPATION) DBE	50.0%
	SZ PM Consultants Washington, DC WBE	10.0%
	RK&K Washington, DC N/A	40.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$2,000,000.00
Contract Time:	1825 Calendar Days (5 Years)
No. of Option Years in Contract:	2
Anticipated Contract Start Date (NTP):	12-15-2022
Anticipated Contract Completion Date:	12-14-2027
Bid Opening Date:	06-07-2022
Other Bids Received:	11

- A. Morton Thomas and Associates, Inc.*
- Alpha Sieger, LLC
- Daniel Consultants, Inc.*
- Delon Hampton & Associates, Chartered
- EBA ENGINEERING INC*
- EXP US Services Inc.*
- Hayat Brown LLC*
- Johnson Mirmiran & Thompson*
- Volkert, Inc.*
- Whitney, Bailey, Cox & Magnani, LLC

* Asterisk indicates shortlisted firms (DC Water intends to award two (2) contracts from this solicitation)

Purpose of the Contract:

The agreement will provide Engineering Services to produce Traffic Control Plans (TCPs) for Capital Improvement Projects at various locations throughout the District of Columbia.

Contract Scope:

- Preparing Traffic Control Plans (TCPS) for the Small Diameter Water Main Replacement (SDWMR) projects to obtain DDOT permits.

Federal Grant Status:

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

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Highest Ranking Score
Commodity:	Engineering Design Services	Contract Number:	DCFA-530A
Contractor Market:	Open Market		

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$2,000,000.00
Federal Funds	0.00%	\$0.00
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%	\$2,000,000.00

<i>Kishia L. Powell</i>	October 11, 2022	<i>Dan Bae</i>	October 11, 2022
Kishia L. Powell COO and EVP	Date	Dan Bae VP of Procurement	Date
<i>Matthew T. Brown</i>	October 11, 2022	{ {Sig_es_ :signer1:signature} }	{ { \$fx } }
Matthew T. Brown CFO and EVP Finance and Procurement	Date	David L. Gadis CEO and General Manager	Date

{ { #fx=Dte_es_ :signer1:date:format(date,"m d, yyyy"):font(name=Arial, color=#000000, size=10) } }

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

ACTION REQUESTED

ARCHITECTURAL AND ENGINEERING SERVICES:

Engineering Services to Produce Traffic Control Plans (TCP's) for Capital Improvement Projects - Basic Ordering Agreement (Non-Joint Use)

Approval to execute an architectural and engineering services contract not to exceed \$2,000,000 for the contract period of three years plus two renewal periods of one year each. The renewal periods will be approved at DC Water's sole discretion.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
A. Morton Thomas and Associates, Inc. 10 G ST NE 430 Washington, DC 20002	CV, Inc. Gaithersburg, MD	DBE 25.0%
	PEER Consultants Washington, DC	DBE 1.5%
	Symmetra Design Washington, DC	WBE 10.0%

DBE Total = 26.5% and WBE Total = 10.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$2,000,000.00
 Contract Time: 1825 Calendar Days (5 Years)
 No. of Option Years in Contract: 2
 Anticipated Contract Start Date (NTP): 12-15-2022
 Anticipated Contract Completion Date: 12-14-2027
 Bid Opening Date: 06-07-2022
 Other Bids Received: 11

Alpha Sieger, LLC
 Cube Root Corporation*
 Daniel Consultants, Inc.*
 Delon Hampton & Associates, Chartered
 EBA ENGINEERING INC*
 EXP US Services Inc.*
 Hayat Brown LLC*
 Johnson Mirmiran & Thompson*
 Volkert, Inc.*
 Whitney, Bailey, Cox & Magnani, LLC

* Asterisk indicates shortlisted firms (DC Water intends to award two (2) contracts from this solicitation)

Purpose of the Contract:

The agreement will provide Engineering Services to produce Traffic Control Plans (TCPs) for Capital Improvement Projects at various locations throughout the District of Columbia.

Contract Scope:

- Preparing Traffic Control Plans (TCPS) for the Small Diameter Water Main Replacement (SDWMR) projects to obtain DDOT permits.

Federal Grant Status:

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

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Highest Ranking Score
Commodity:	Engineering Design Services	Contract Number:	DCFA-530B
Contractor Market:	Open Market		

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$2,000,000.00
Federal Funds	0.00%	\$0.00
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%	\$2,000,000.00

<i>Kishia L. Powell</i>	October 8, 2022	<i>Dan Bae</i>	October 11, 2022
Kishia L. Powell COO and EVP	Date	Dan Bae VP of Procurement	Date
<i>Matthew T. Brown</i>	October 12, 2022	{{Sig_es_1:signature}}	{{fx}}
Matthew T. Brown CFO and EVP Finance and Procurement	Date	David L. Gadis CEO and General Manager	Date

{{#fx=Dte_es_1:signer1:date:format(date,"mmmm d, yyyy"):font(name=Arial, color=#000000, size=10)}}



Water Operations Updates

Environmental Quality & Operations Committee

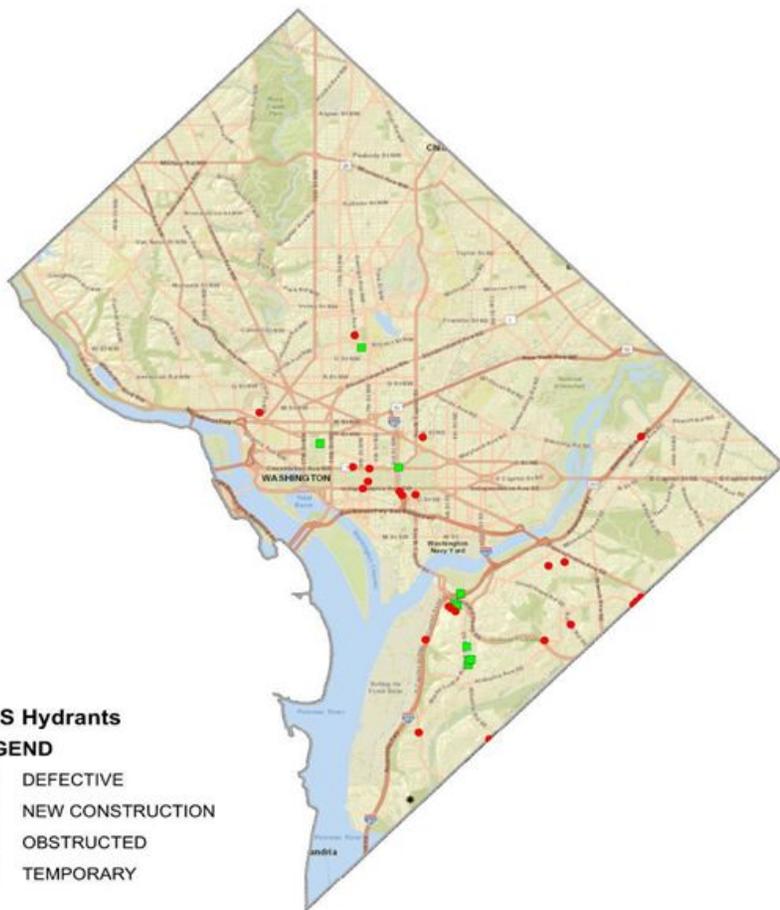
October 20, 2022



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

Map of Public Out-of-Service Hydrants

October 03, 2022



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



Prepared By: Distribution Control Branch

Status Report of Public Fire Hydrants for DC Water Services Committee - October 3, 2022

	July Cmte. Report (July 01, 2022)	August Cmte. Report (August 01, 2022)	September Cmte. Report (September 01, 2022)	October Cmte. Report (October 3, 2022)
Public Fire Hydrants:	9,825	9,829	9,829	9,830
In Service:	9,779	9,795	9,790	9,795
Marked Out-of-Service (OOS)	46	34	39	35
OOS - defective requiring repair/replacement	30	23	28	24
% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)	0.31%	0.23%	0.28%	0.24%
OOS - due to inaccessibility or temp construction work	16	11	11	11

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 October 3, 2022 35

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	3	1	2	5	1	1	5	18
Needs Valve Investigation for Low Flow/Pressure or Shut Test for Replacement	0	0	0	0	0	0	0	0
Needs Replacement	0	0	0	1	0	0	5	6
Defective								24

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	0	0	10	10
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	0	0	1	1
Others								11

*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

Status Report for EPA Drinking Water Regulated Monitoring - October 13, 2022

Total Coliform Rule Update

DC Water collected 247 samples in September 2022 and all samples were negative for total coliform.

Lead and Copper Rule Update

DC Water distributed 120 sample kits to customers between July and September for the second semester 2022, receiving 63 valid compliance samples back from customers. Table 1 shows the results received to date. Table 2 describes the locations with lead results greater than 15 ppb.

Table 1. LCR Lead Samples Results

	2 nd Semester 2022	
	1st Draw	2nd Draw
90th Percentile, ppb	1.9	4.7
Number of Samples	55	55
Number of Samples > 15 ppb	0	0

Table 2. Homes with Lead Results Greater than 15 ppb

Home	Pipe Material	Lead (ppb)		Iron (ppb)	
		1st Draw	2nd Draw	1st Draw	2nd Draw
None					