



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

Meeting of the  
Environmental Quality and Operations Committee

**Thursday, March 21, 2024  
9:30 a.m.**

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

Meeting ID: 294 613 320 197

Passcode: bnrsud

**Or call in (audio only)**

[+1 202-753-6714,,699206352#](#)

Phone Conference ID: 699 206 352#

- |            |      |  |  |
|------------|------|--|--|
| 9:30 a.m.  | I    | <b>Call to Order</b>   | Howard Gibbs, Vice-Chair                         |
|            | II   | <b>Roll Call</b>   | Debra Mathis<br>Assistant Secretary to the Board |
| 9:35 a.m.  | III  | <b><a href="#">BPAWTP Performance Update</a></b>   | Nicholas Passarelli                              |
| 9:40 a.m.  | IV   | <b><a href="#">Intensification Research Update</a></b>   | Haydee De Clippeleir                             |
| 10:05 a.m. | V    | <b>Action Items</b>  | David Parker<br>John PappaJohn                   |
|            |      | <b><u>Joint Use</u></b>  |  |
|            |      | 1. <a href="#">Contract No. N/A – FY24 &amp; FY25 Fleet Vehicles and Equipment – Multiple Suppliers TBD</a>  |  |
|            |      | 2. <a href="#">Contract No. N/A – Sole Source - Partial Denitrification/Annamox (PdNA) Pilot Equipment Purchase – World Water Works, Inc</a>   |  |
|            |      | 3. <a href="#">Contract No. 180060, Change Order No. 0003 – Miscellaneous Facilities Upgrade-Phase 7 – American Contracting Environmental Services, Inc</a>                          |  |
|            |      | <b><u>Non-Joint Use</u></b>  |  |
|            |      | 1. <a href="#">DDOT - Amendment to a DDOT Participation Project, Florida Avenue NE From 2<sup>nd</sup> Street to H Street NE – District of Columbia Department of Transportation</a> |  |
|            |      | 2. <a href="#">DDOT Participation Project – Florida Ave NE and NY Ave NE Intersection – District of Columbia Department of Transportation</a>  |  |
| 10:45 a.m. | VI   | <b>Other Business/Emerging Issues</b>  |  |
| 10:50 a.m. | VII  | <b>Executive Session*</b>  |  |
| 11:00 a.m. | VIII | <b>Adjournment</b>   | Howard Gibbs                                     |

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

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

1. Getachew Melsew (Sr. Manager, Planning, Engineering): To provide copy of white paper on the equity analysis benefits and either a presentation to the full Board or the opportunity for Board Members to observe a training session on the equity analysis tool and dashboard. **Responses will be provided in May.**
2. William Elledge (Director, Engineering and Technical Services): Provide a cost estimate for the new parallel Potomac Interceptor River Crossing pipe that has the added benefit of creating redundancy. The committee would like to be informed prior to the geotechnical equipment helicopter fly in. **Responses will be provided in April.**
3. Haydee De Clippeir (Director, Wastewater Treatment Operations): Provide a timeline of when PdNA pilot project is expected at BRAWTP to be completed and placed into service. **Responses will be provided during March's presentation.**

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



# ***BPAWTP UPDATE***



**Blue Plains Complete Treatment Performance**  
Environmental Quality & Operations Committee  
March 21, 2024

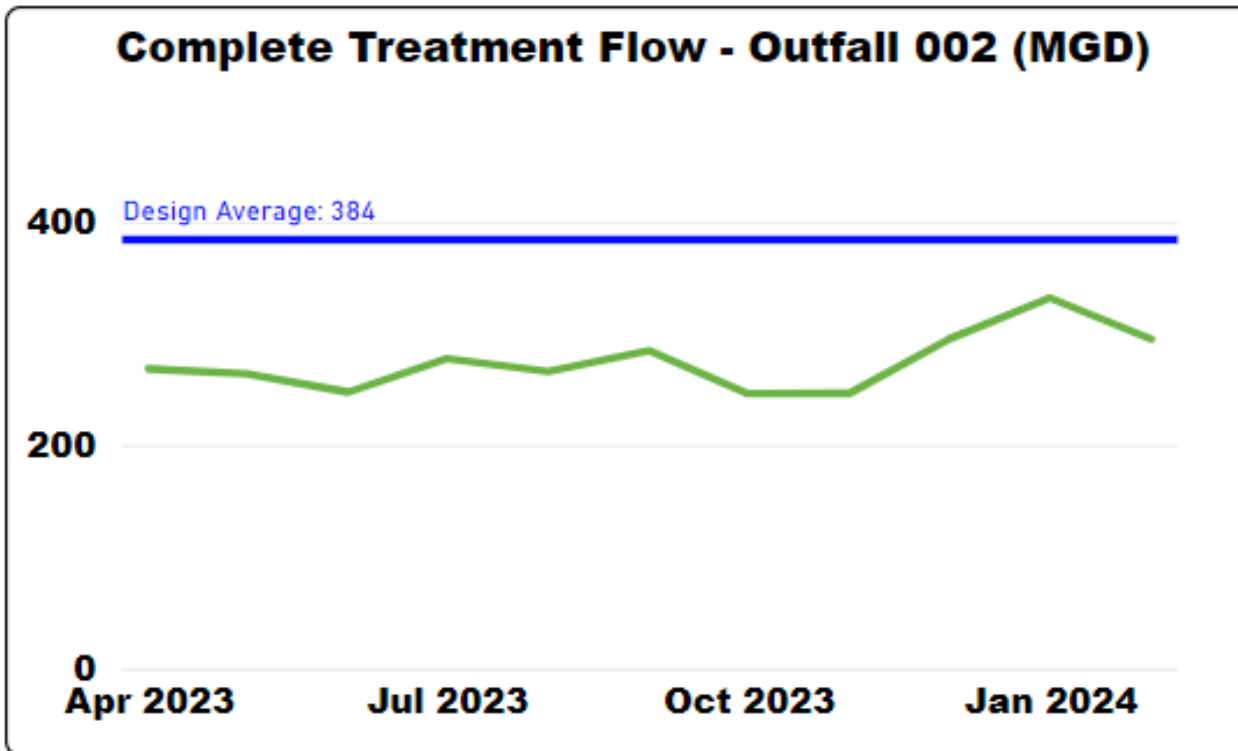


Nicholas Passarelli, Vice President , Wastewater Treatment Operations



# Operational Performance Complete Treatment

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



All weekly and monthly NPDES permit requirements were met

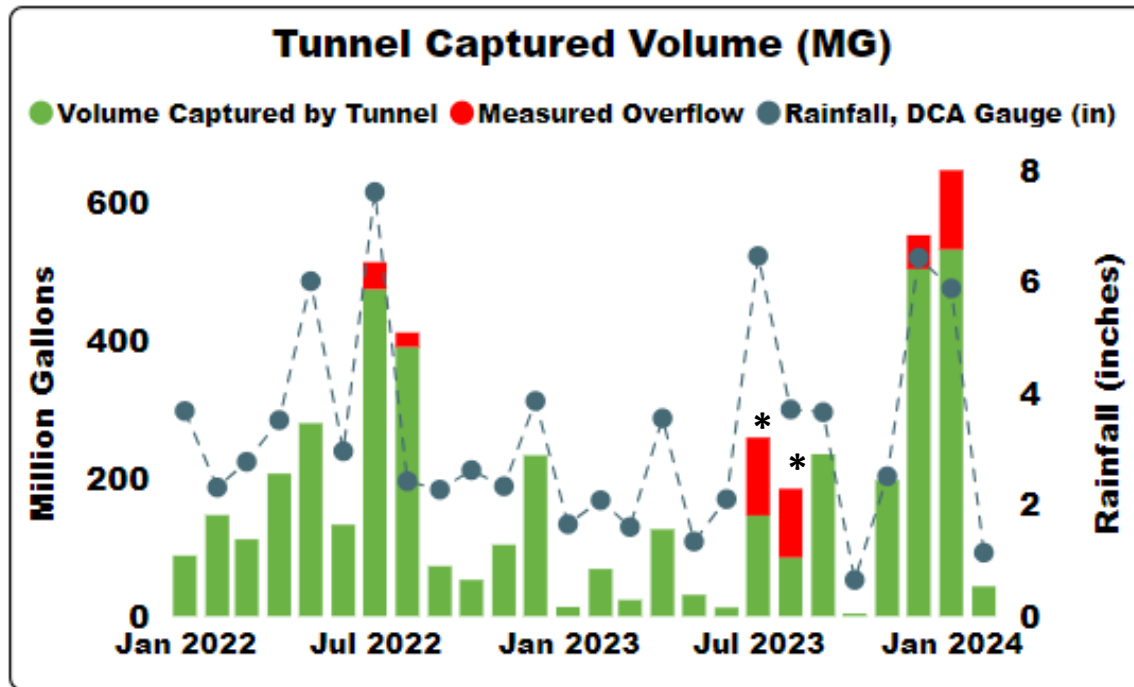
Average Outfall 002 flow for Feb: 295 MGD



# Operational Performance Tunnel Systems and Wet Weather Treatment

## Anacostia River Tunnel System Annual Performance 2022 – 2024 (Through Feb 2024)

## Total System Performance from Start-Up (2018-2023)



	Anacostia River Tunnel System
Number of events	290
Volume Captured, MG	16,229
Volume to CSO, MG	1,538
Percent Captured, %	91.0

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

1443 MG of volume captured by Anacostia River Tunnel System in Calendar Year 2023 through December, with 262 MG overflow

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



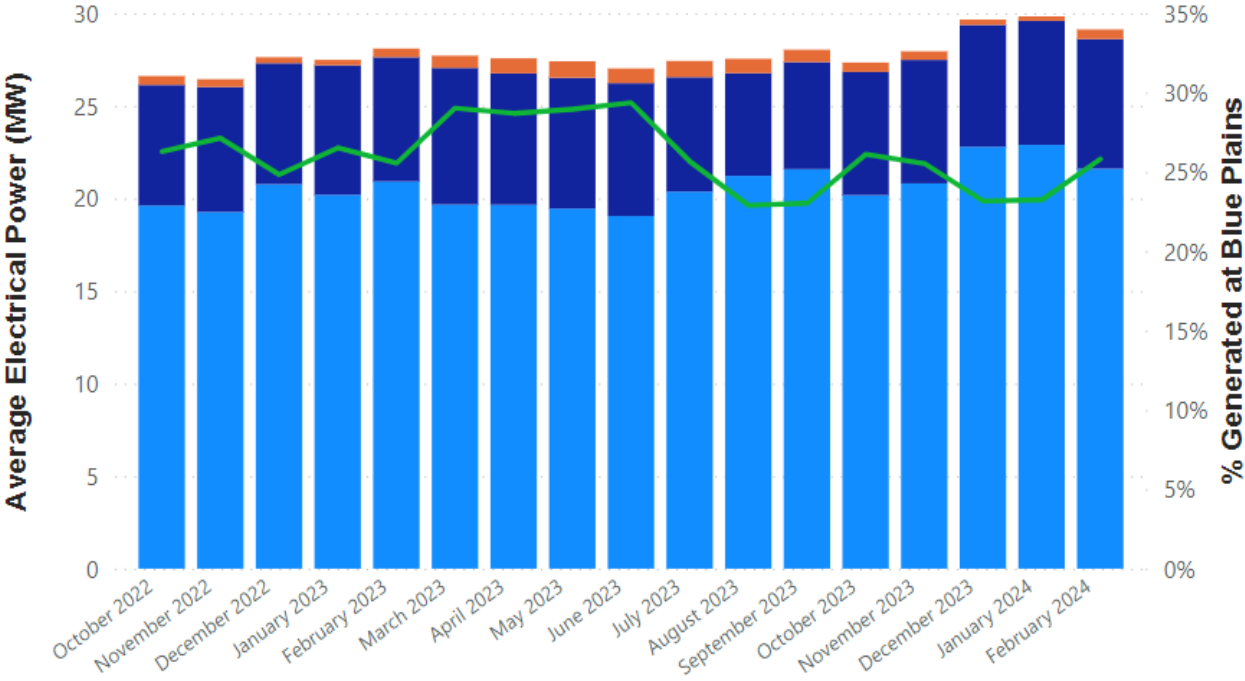
# Operational Performance Electrical Energy Use and Generation

## Blue Plains Electrical Energy Use and Generation

Blue Plains Electrical Report

↑ ↓ ↕ ↻ ⌂ ☰ ⌂ ⋮

● Purchased from Power Grid ● CHP Onsite Generation ● Solar Onsite Generation ● % Generated at Blue Plains

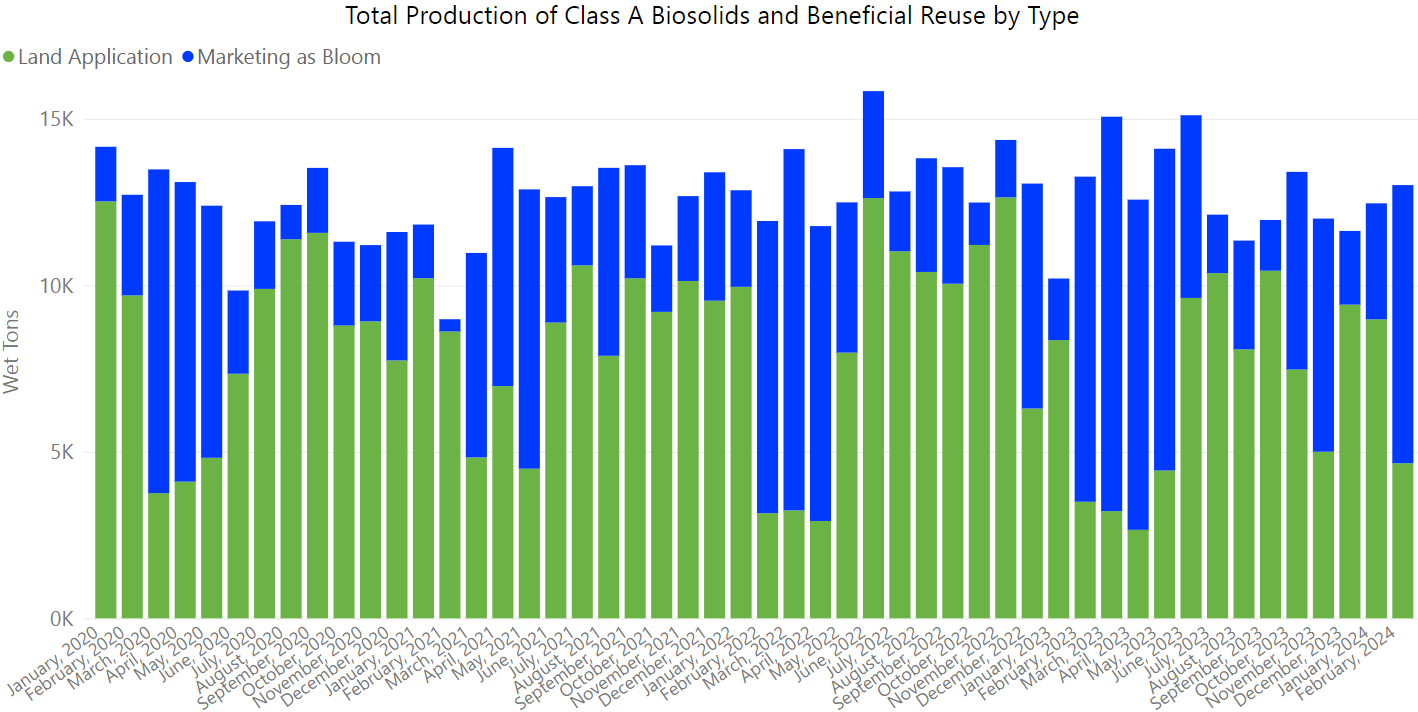


- 26% of electricity was generated onsite
- Combined Heat and Power (CHP) facility produced an average of 8.3 megawatts (MW), with 7.0 MW net to Blue Plains grid
- Solar System produced an additional 0.52 MW of power on average
- Total electricity consumption at Blue Plains averaged 29.1 MW
- DC Water purchased an average of 21.6 MW of electricity from PEPSCO



# Operational Performance Class A Biosolids Production

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



In February, Blue Drop sold approximately 8,351 tons of Bloom; for a total of 26,982 tons towards the FY24 goal of 65,000 tons.

Blue Plains Produced 13,010 tons of biosolids for the month with the remaining 4,659 tons managed through land application contracts.





# *Intensification Research Update*



# Intensification Research Update

## Environmental Quality & Operations Committee

March 21, 2024



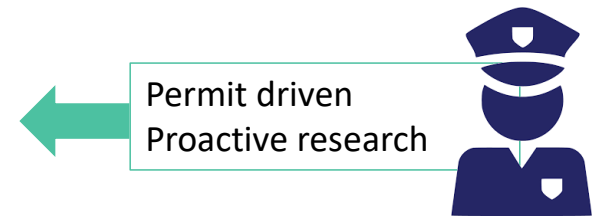
Haydee De Clippeleir, Director, Clean Water Quality and Technology



# Research: Combining intensification with resource recovery

DO more

- Growth
- More Stringent Regulations – Now and in the Future
  - Eliminate CSOs (370 – 1076 mgd and higher)
  - Nutrients (TN<3 & TP<0.18) – *NH4 limits*
  - Class A Biosolids (pathogen re-growth / reactivation)
  - Future – PCBs, EDCs, secondary treatment for CSO by-pass



IN less

- Space constraints
- Aging infrastructure
- Urban environment –  
impact, odor, noise



WITH less

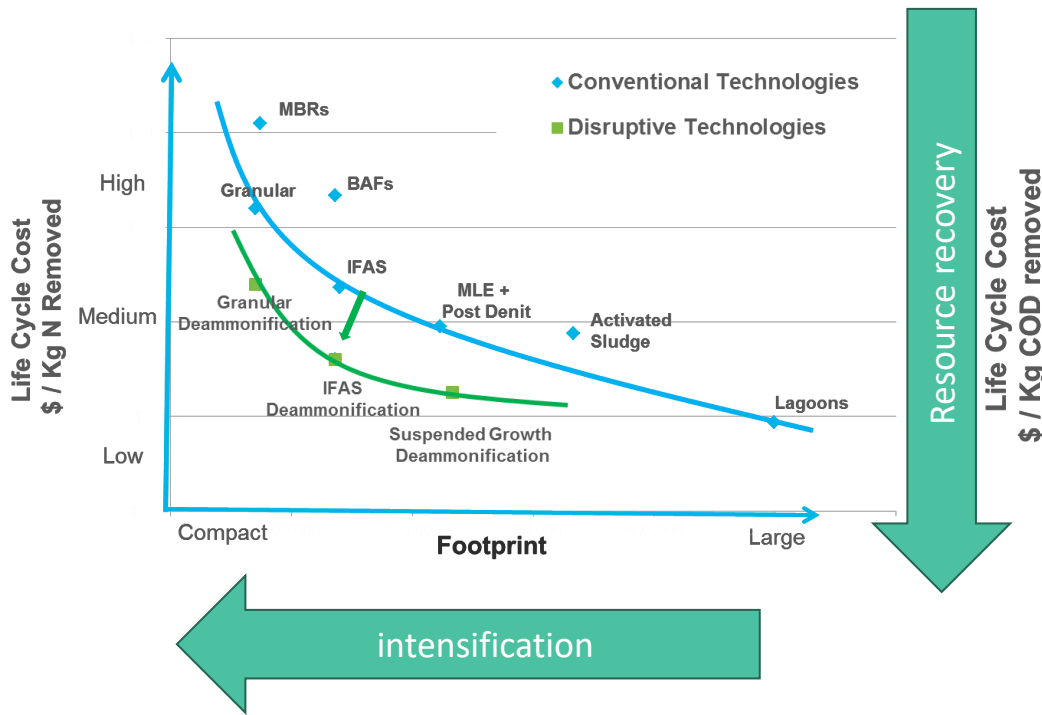
- Sustainability Vision
  - Energy Neutrality
  - Resource Recovery –  
Energy,  
Nutrients, Water
- Cost – long term rate impacts



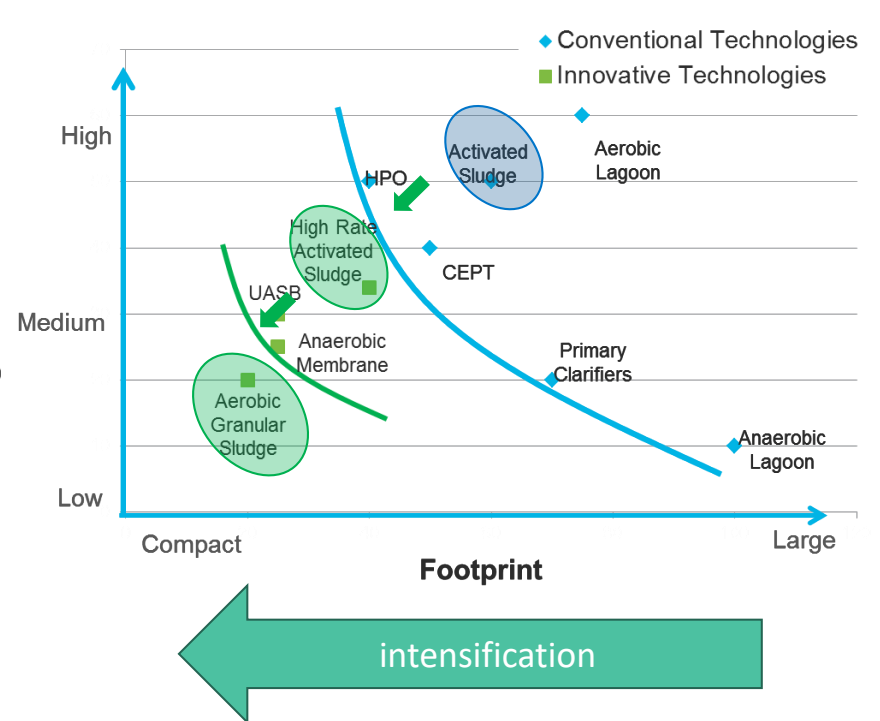


# Intensification and resource recovery

Example 1: Anammox based processes (PdNA)



Example 2: Densification of activated sludge

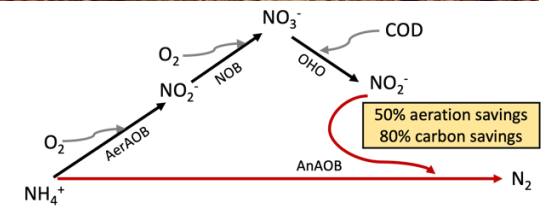
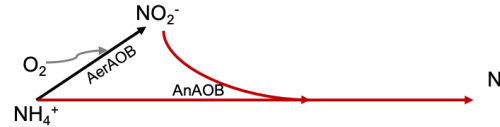
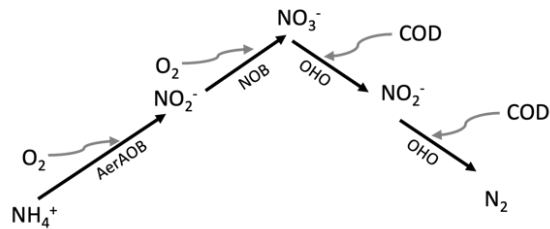






# Example 1: Partial denitrification – anammox (PdNA)

Research journey



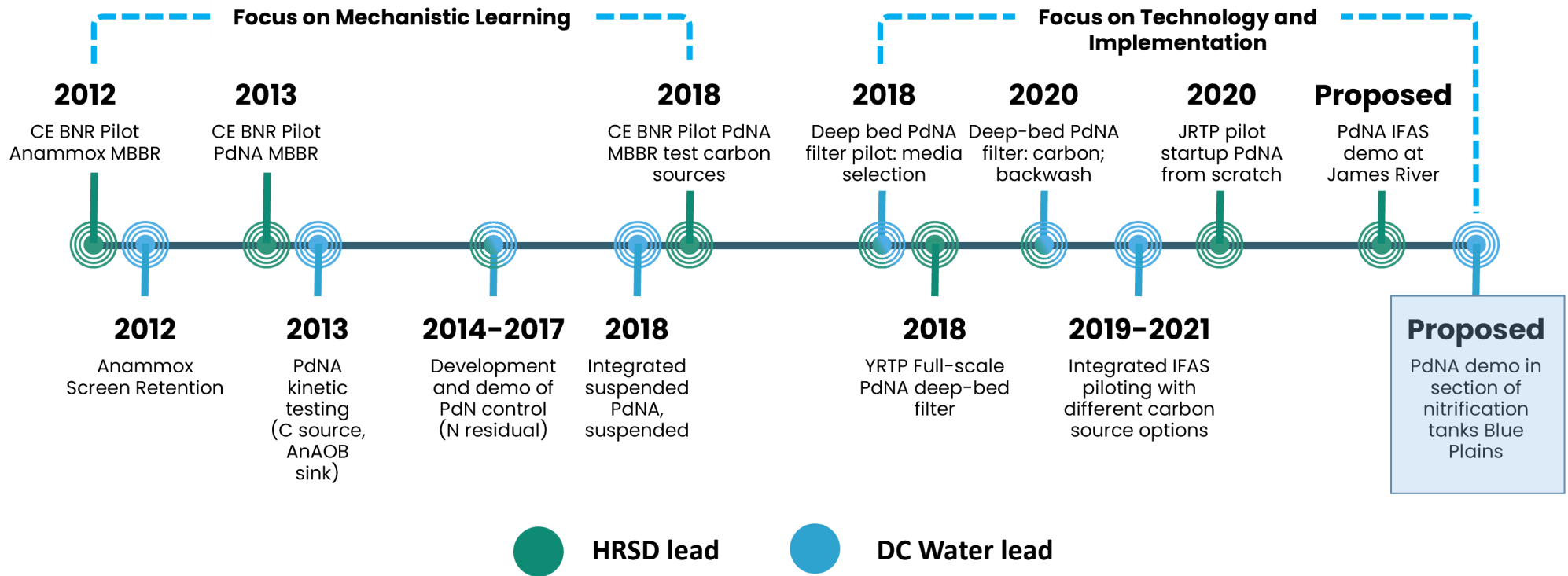
- Robust and reliable
- Well understood process
- Safety factors built into infrastructure (volume)

- Similar to DEMON
- Complex recipe
- Does not work in sub-optimal conditions

- Simple recipe
- Stepwise implementation
- Synergy with future goals



# Collaborative Research Timeline on PdNA

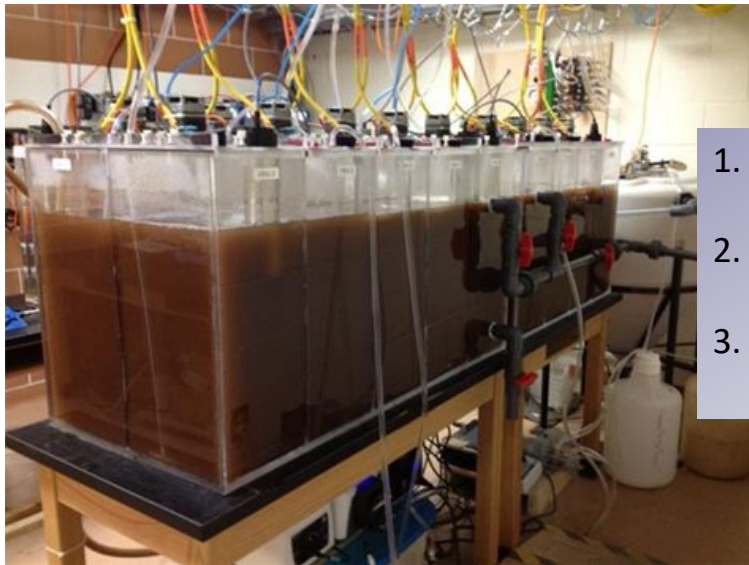




# Example 1: Partial denitrification – anammox (PdNA)

Research journey

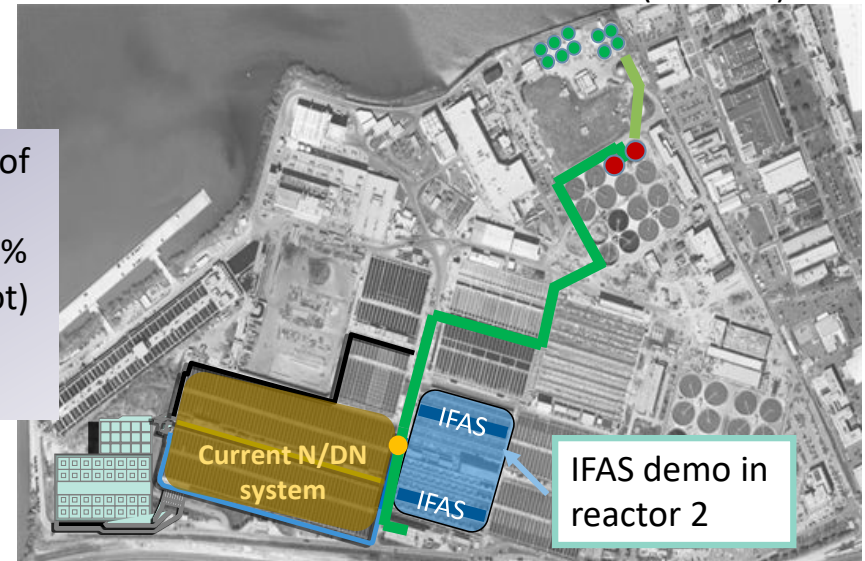
PdNA: Proof of principle pilot (2012-2024)



1. Capacity enhancement of current infrastructure
2. Methanol saving (30-40% estimated based on pilot)
3. Carbon footprint reduction

- PdNA kinetic understanding
- PdNA control development
- Carbon source testing
- Initial business case
- Startup strategy

PdNA: Pilot demonstration scale (2024-....)



- Integrated, fixed film activated sludge (IFAS) design optimization
- Aeration and carbon dosing control testing
- Finalization of business case



## PdNA demonstration pilot

Implementation include:

- Optimized aeration control to provide both ammonium and nitrate to PdNA zone
- Testing of plastic media for anammox growth and determination of capacity enhancement gained by implementation of integrated fixed film activated sludge (IFAS) system

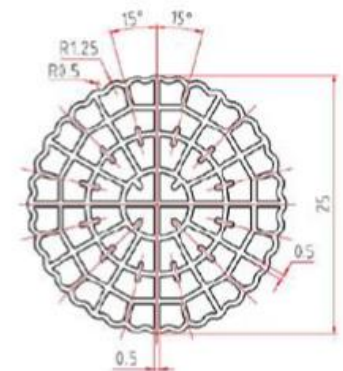






## IFAS (integrated fixed film activated sludge) design

- Hydraulic profiles within existing infrastructure is aggressive for conventional IFAS design
- Proposed solutions:
  - Use heavier plastic media to allow for media to settle out during wet weather flows
  - Density target of media 1040-1060 kg/m<sup>3</sup>
- Pilot results will impact screen design – surface needs



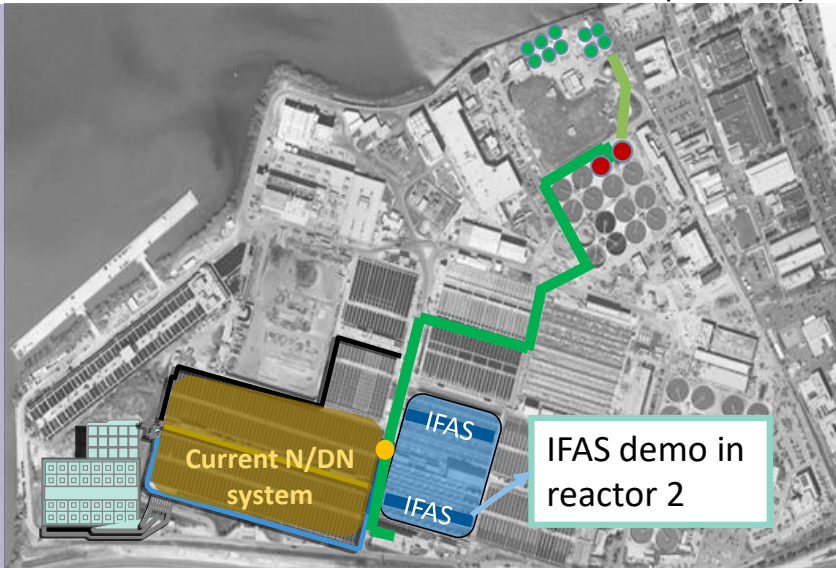


# Example 1: Partial denitrification – anammox (PdNA)

Research journey

PdNA: Pilot demonstration scale (2024-....)

1. Capacity enhancement of current infrastructure
2. Methanol saving (30-40% estimated based on pilot)
3. Carbon footprint reduction



- IFAS design optimization
- Aeration and carbon dosing control testing
- Finalization of business case

## Timeline:

- Procurement of equipment: ongoing
- Target to start equipment purchasing/construction: Summer 2024
- Startup targeted spring/summer 2025

**External funding support via Department of Energy grant (\$1.2M directed to DC Water, total project value = \$22M)**

- External carbon purchasing
- 3 Researchers (Cornell university and Northwestern University) over period of 3 years (FY25-27)

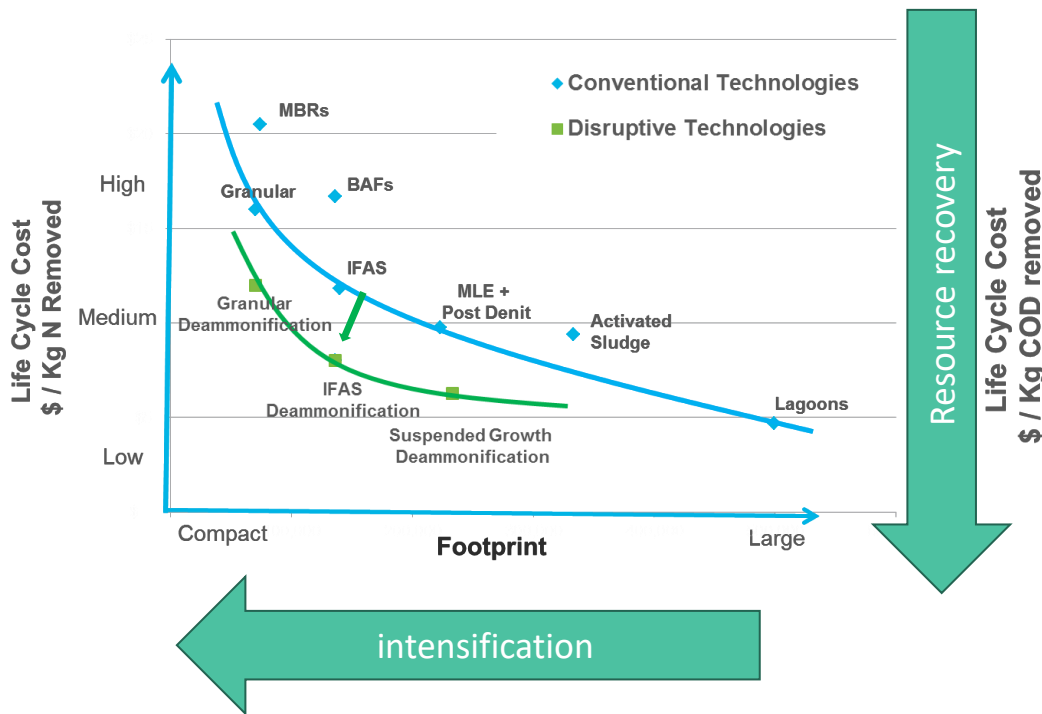
**Additional external funding support via WRF and Oceanskind funds (total project value of ~600k):**

- Wet chemical analyzer and aeration control testing/development support

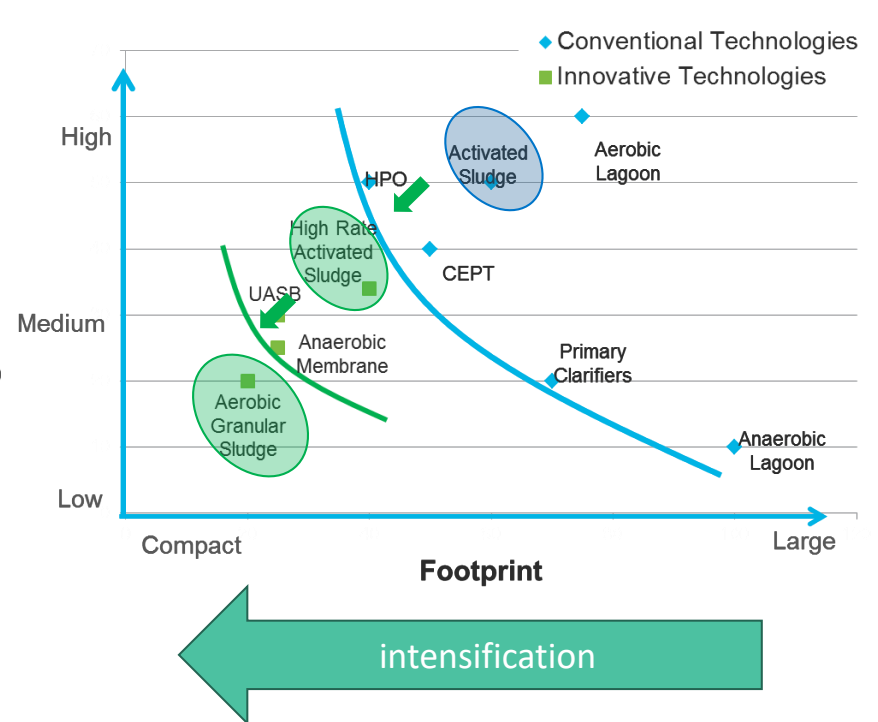


# Intensification and resource recovery

Example 1: Anammox based processes (PdNA)



Example 2: Densification of activated sludge





## Example 2: Densification of activated sludge

Problem statement: Can we enhance capacity in secondary system and avoid reactor volume expansion (\$50M project in CIP)?



### Understand current settling behavior

- full-scale measurement
- Settling method development
- Process modeling
- Pilot testing

### Improve settling by feast-famine

- high-rate contact – stabilization
- Full-scale implementation

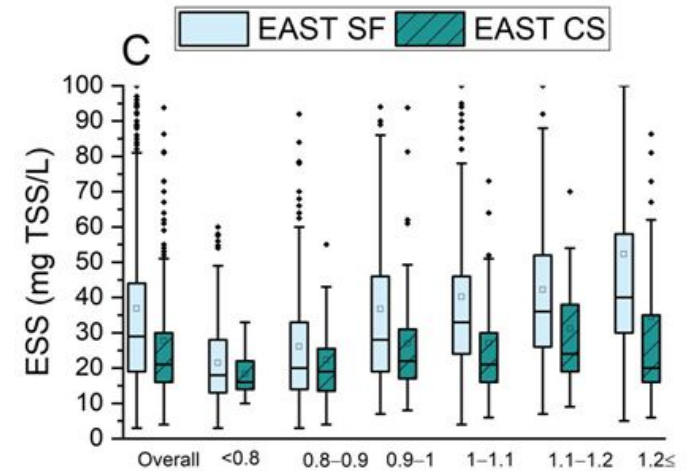
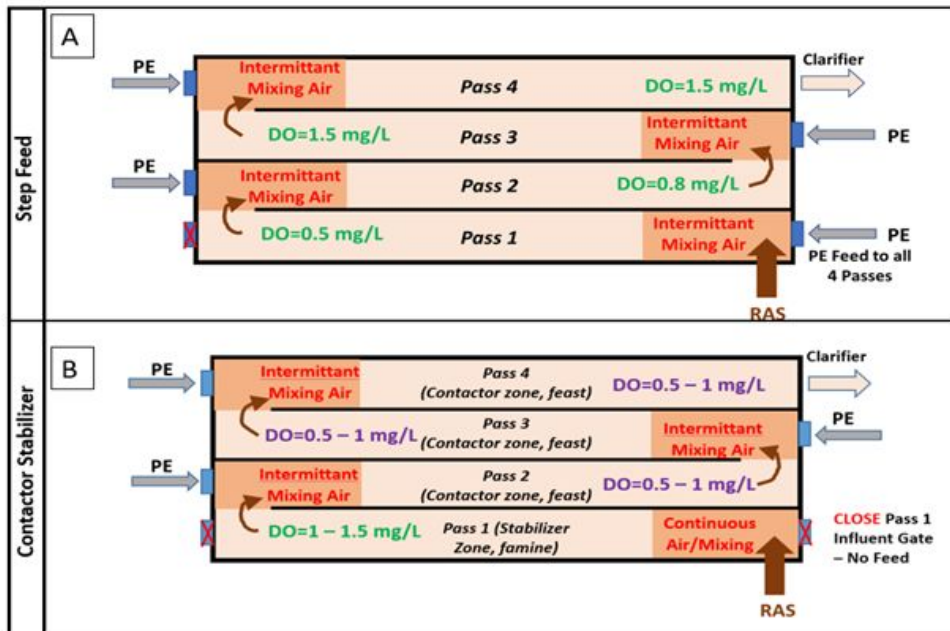
### Physical selection

- Density separation using cyclone (InDENSE technology)



# Example 2: Densification of activated sludge

High-rate contact stabilization process implemented in 2021 at no cost



- Better and more stable effluent quality
- 75% of the days we have effluent total suspended solids < 25 mg TSS/L
- Potential for energy savings due to better oxygen transfer
- More carbon captured, so more potential for energy generation
- Lower amount of odor emitted from secondary system

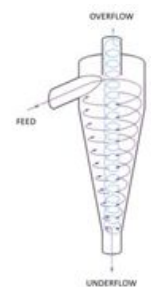
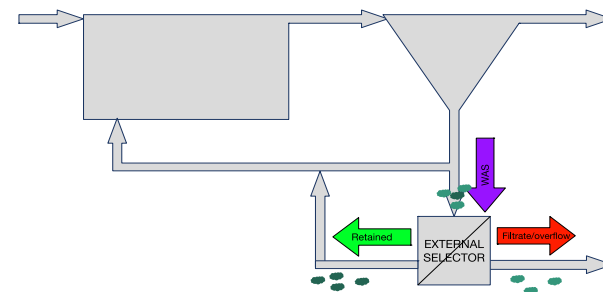
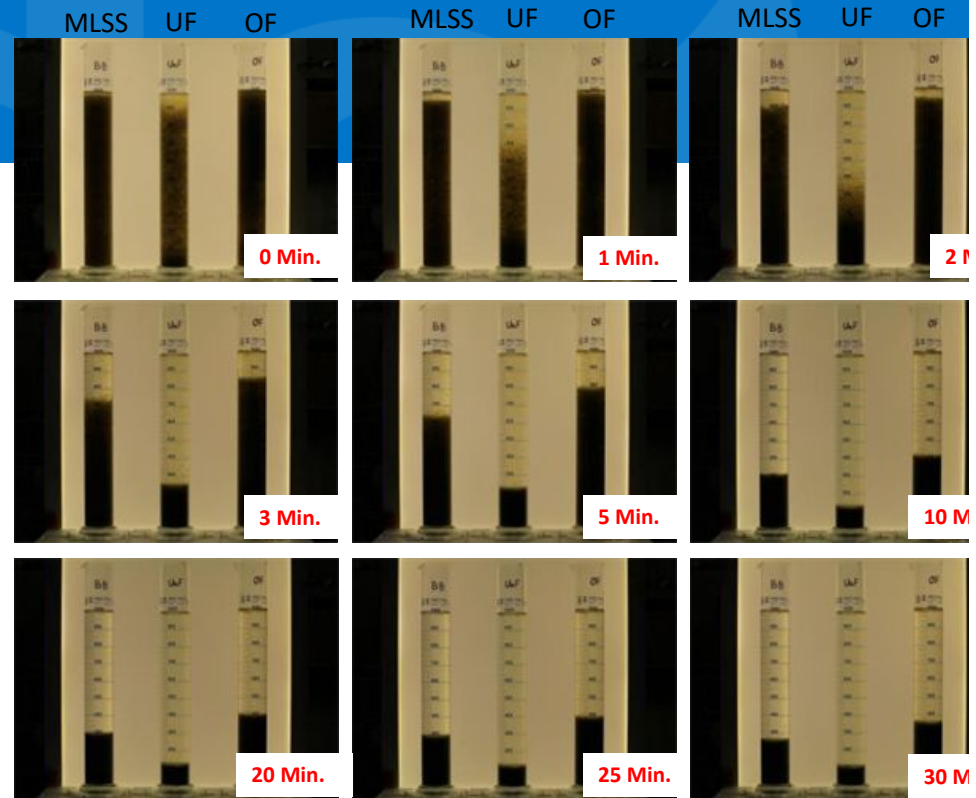






## Example 2: Densification of activated sludge

Pilot goals: combine biological selection (feast/famine) with physical selection and quantify capacity enhancement





## List of abbreviations

- AnAOB: anammox
- BAF: biological aerated filter
- CEPT: chemically enhanced primary treatment
- CSO: combined sewer overflow
- EDC: endocrine disrupting chemicals
- HPO: High purity oxygen
- IFAS: integrated fixed film activated sludge
- MBR: membrane bioreactor
- MLE process: Modified Ludzack Ettinger process
- PCB: polychlorinated biphenyls
- PdNA: partial denitrification anammox
- UASB technology: upflow anaerobic sludge blanket technology

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

**ACTION REQUESTED**

**GOODS AND SERVICES PURCHASE ORDER AWARD  
FY24 & FY25 Fleet Vehicles and Equipment  
(Joint Use)**

Requesting approval to spend up to \$8,235,539.00 for FY24 and FY25 Fleet vehicles and equipment.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> Multiple Suppliers TBD	<b>SUBS:</b> N/A	<b>PARTICIPATION:</b> N/A  WBE 10%
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**DESCRIPTION AND PURPOSE**

Base Period Contract Value: \$8,235,539.00  
Base Contract Period: 04-01-2024 – 09-30-2025

**Purpose of the Expenditures:**

Acquire approximately 96 replacement and new vehicles and equipment to replenish DC Water’s Fleet and meet new requirements.

**Scope of Purchases:**

Vehicle and equipment requirements will be adjusted and ordered to meet the operations for Water, Sewer, Engineering, and other operational department needs.

List of replacement, new vehicle and equipment types and estimated quantities;

- 9 Transit Cargo Vans
- 3 Backhoes
- 6 Dump Trucks
- 3 Jet Vac Trucks
- 3 Knuckle Boom Trucks
- 40 Pickup Trucks (F150 and F250’s)
- 2 Stake Body Trucks
- 4 Stetco Catch Basin Cleaners
- 4 Trailers
- 6 SUV’s
- 1 Tow Boat
- 5 Utility Carts
- 6 Utility Light Trucks
- 2 Utility Heavy Trucks
- 1 Valve Truck
- 1 Welder Truck

**Market conditions:**

Supply chain shortages are recovering in 2024. High demand for vehicles and equipment still continues. Strikes, labor shortages and shipping constraints are contributing to long lead times for heavy duty chassis and body upfits. Lead times for some chassis and body upfits are currently greater than 10 – 12 months. Timing orders with the opening of manufacturers new model year order books requires close coordination with vehicle dealers and the ability to react quickly to changing market conditions.

Purchase Orders will be issued as funds are available.



**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Good and Services	<b>Award Based On:</b>	Best Value
<b>Commodity:</b>	Vehicles and Equipment	<b>Contract Number:</b>	N/A
<b>Contractor Market:</b>	Limited Market & Sole Source		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Fleet Management
<b>Service Area:</b>	DC Water Wide	<b>Department Head:</b>	Nija Ali

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	43.81%	\$2,176,112.36
Washington Suburban Sanitary Commission	41.76%	\$2,074,285.60
Fairfax County	9.18%	\$455,985.20
Loudoun Water	4.46%	\$221,535.29
Potomac Interceptor	0.79%	\$39,240.56
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$4,967,159.00</b>

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Fleet Management
<b>Service Area:</b>	DC Water Wide	<b>Department Head:</b>	Nija Ali

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$3,268,380.00
<b>TOTAL ESTIMATED DOLLAR AMOUNT</b>	<b>100.00%</b>	<b>\$3,268,380.00</b>

 3/15/24  
 \_\_\_\_\_ / \_\_\_\_\_  
 Maureen Holman Date  
 VP of Shared Services

\_\_\_\_\_ / \_\_\_\_\_  
 Dan Bae Date  
 VP and Chief Procurement Officer

\_\_\_\_\_ / \_\_\_\_\_  
 Matthew T. Brown Date  
 CFO and EVP of Finance, Procurement and Compliance

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

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

**ACTION REQUESTED**

**CONSTRUCTION CONTRACT:**

**Sole Source- Partial Denitrification/ Anammox (PdNA) Pilot  
Equipment Purchase  
(Joint Use )**

Approval to execute a Sole Source construction contract for \$2,175,000.00

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
World Water Works Inc. Street Address 4000 SW 113 <sup>th</sup> Street Oklahoma City, OK 73173	Non-Applicable	

**DESCRIPTION AND PURPOSE**

Contract Value, Not-To-Exceed:	\$2,175,000.00
Contract Time:	610 Days (1 Year, 8 Months)
Anticipated Contract Start Date (NTP):	03-30-2024
Anticipated Contract Completion Date:	11-30-2025

**Purpose of the Contract:**

This request is required to approve purchase of the Partial Denitrification/ Anammox (PdNA) Integrated Fixed-Film Activated Sludge (IFAS) Screen and Media from DCW Business Partner, World Water Works (WWW). This equipment will be turned over to the general contractor for installation by one of the Miscellaneous Facilities Upgrade 8 (MFU8) Contractors based on bidding.

Based on the importance of the pilot facilities, specific manufacturers must be utilized to provide the various equipment items. Additionally, since this pilot demonstration is considered a research project by DCW and Department of Energy and Environment (DOEE), there is a basis for utilizing sole-source procurements under the DCW Procurement regulations in section 5332.4 (f). This section allows for sole sourcing for research projects.

**Contract Scope:**

- Provide equipment for PdNA Pilot including IFAS Screens and Media

**Federal Grant Status:**

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

**PROCUREMENT INFORMATION**

<b>Contract Type:</b>	Fixed Price	<b>Award Based On:</b>	Sole Source
<b>Commodity:</b>	Equipment	<b>Contract Number:</b>	N/A
<b>Contractor Market:</b>	Sole Source		

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Wastewater Engineering
<b>Service Area:</b>	Wastewater	<b>Department Head:</b>	Ryu Suzuki
<b>Project:</b>	J6		

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	41.22%	\$ 896,535.00
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	45.84%	\$ 997,020.00
Fairfax County	8.38%	\$ 182,265.00
Loudoun County & Potomac Interceptor	4.56%	\$ 99,180.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 2,175,000.00</b>

\_\_\_\_\_/\_\_\_\_\_  
 Jeffrey F. Thompson                      Date  
 Chief Operating Officer and EVP

\_\_\_\_\_/\_\_\_\_\_  
 Dan Bae                                      Date  
 VP and Chief Procurement Officer

\_\_\_\_\_/\_\_\_\_\_  
 Matthew T. Brown                      Date  
 Chief Financial Officer and EVP  
 Finance, Procurement and Compliance

\_\_\_\_\_/\_\_\_\_\_  
 David L. Gadis                              Date  
 Chief Executive Officer and General Manager

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

**ACTION REQUESTED**

**CONSTRUCTION CONTRACT CHANGE ORDER:**

**Miscellaneous Facilities Upgrade – Phase 7  
(Joint Use)**

Approval to execute Change Order No. 0003 for \$750,170.50. The modification exceeds the Chief Executive Officer's approval authority.

**CONTRACTOR/SUB/VENDOR INFORMATION**

<b>PRIME:</b> American Contracting Environmental Services, Inc. 10330 Old Columbia Road, Suite 102 Columbia, MD 21046	<b>SUBS:</b> Tricon Chemical Corp. Forestville, Maryland DBE	<b>PARTICIPATION:</b>  4.8%
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\*The project is still on pace to meet the overall utilization goals of 32.1% DBE and 6% WBE.

**DESCRIPTION AND PURPOSE**

Original Contract Value:	\$36,301,600.00
Total of Previous Change Orders:	\$ 500,135.00
Current Contract Value:	\$36,801,735.00
Value of this Change Order:	\$ 750,170.50
Total Contract Value, including this CO:	\$37,551,905.50
Original Contract Time:	1500 Days (4 Years, 1 Months)
Time extension, this CO:	0 Days
Total CO contract time extension:	0 Days
Contract Start Date (NTP):	12-13-2021
Contract Completion Date:	01-26-2026
Cumulative CO % of Original Contract:	3.4%
Contract completion %:	49.7%

**Purpose of the Contract:**

DC Water has an urgent need to have a contractor available to perform emergency and non-emergency rehabilitation on existing process equipment which is beyond routine, preventive, and corrective maintenance to avoid potential violations of its National Pollutant Discharge Elimination System (NPDES) permit.

**Original Contract Scope:**

- Concrete and Construction Joint Rehabilitation at the Nitrification Sedimentation Basins
- Rehabilitation of Stormwater Pumping Station at 1<sup>st</sup> & D St., SW
- Inflatable Dams Interim Upgrades at Structures 14, 15, 15A, 16, 34 and 52
- Upgrades and rehabilitation at the Multimedia and Filtration and Disinfection Facility
- Primary Sludge and Scum Line Replacements at Blue Plains
- Upgrades to the 12<sup>th</sup> & Maine Ave Stormwater Pumping Station
- Miscellaneous Upgrades at Main and O Street Pumping Station
- Critical Upgrades to the Potomac Pumping Station
- Specialized Services as per Task Scope.
- Time and Material work on emergency and non-emergency Task Work Orders.

**Previous Change Order Scope:**

- Contractor compensation for net increase in wage rates and benefits.
- Safety repairs at the Dewatering Sludge Loading Facility (DSLFL).

**Current Change Order Scope:**

- Rehabilitate existing Potomac Pumping Station Seal Water tank to ensure coating is adequate.

- Provide additional design changes at the Portland St. pumping station for supply and return HVAC lines.
- Mitigate flood impacts by providing flood proof watertight doors at 1st & D St. pumping station.
- Provide Inflatable Dams to divert water flow during wet weather events at multiple locations around the District of Columbia.

**Federal Grant Status:**

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

PROCUREMENT INFORMATION			
<b>Contract Type:</b>	Fixed Price	<b>Award Based On:</b>	Request For Proposal, Best Value
<b>Commodity:</b>	Construction	<b>Contract Number:</b>	180060
<b>Contractor Market:</b>	Open Market		

BUDGET INFORMATION			
<b>Funding:</b>	Capital	<b>Department:</b>	Department of Wastewater
<b>Service Area:</b>	Stormwater, Sanitary Sewer	<b>Department Head:</b>	Ryu Suzuki
<b>Project:</b>	NG, RH, A4		

ESTIMATED USER SHARE INFORMATION		
NG - Allocation (CAPM – Potomac River Tunnel)		
User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 85,170.50
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 85,170.50</b>

A4 – Allocation (LT02 Inflatable Dams-Interim Upgrades)		
User	Share %	Dollar Amount
District of Columbia	97.23%	\$ 476,427.00
Washington Suburban Sanitary Commission	2.77%	\$ 13,573.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 490,000.00</b>

RH – Allocation (MJ14 Potomac Pumping Station)		
User	Share %	Dollar Amount
District of Columbia	49.80%	\$ 87,150.00
Washington Suburban Sanitary Commission	29.40%	\$ 51,450.00
Fairfax County	14.70%	\$ 25,725.00
Loudoun County	5.50%	\$ 9,625.00
Potomac Interceptor	0.60%	\$ 1,050.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 175,000.00</b>

Total Combined Allocation		
User	Share %	Dollar Amount
District of Columbia	86.48%	\$ 648,747.50
Washington Suburban Sanitary Commission	8.67%	\$ 65,023.00
Fairfax County	3.43%	\$ 25,725.00
Loudoun County	1.28%	\$ 9,625.00
Potomac Interceptor	0.14%	\$ 1,050.00
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 750,170.50</b>

\_\_\_\_\_/\_\_\_\_\_  
 Jeffrey F. Thompson                      Date  
 Chief Operating Officer and EVP

\_\_\_\_\_/\_\_\_\_\_  
 Matthew T. Brown                      Date  
 Chief Financial Officer and EVP  
 Finance, Procurement and Compliance

\_\_\_\_\_/\_\_\_\_\_  
 Dan Bae                                      Date  
 VP and Chief Procurement Officer

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 David L. Gadis                              Date  
 Chief Executive Officer and General Manager

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

**ACTION REQUESTED**

**AMENDMENT TO A DDOT PARTICIPATION PROJECT:  
DDOT – Florida Avenue NE From 2<sup>nd</sup> Street to H Street NE  
(Non-Joint Use)**

Approval to amend the commitment between DC Water and District of Columbia Department of Transportation (DDOT) in the amount of \$1,400,759.00. The modification exceeds the General Manager's approval authority.

**PARTY INFORMATION**

<b>PARTY:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
District of Columbia Department of Transportation 55 M Street SE Washington, DC 20003	DBE and WBE fair share objectives will follow DDOT goals.	

**DESCRIPTION AND PURPOSE**

Original Commitment Value:	\$5,600,000.00
Amendment Value:	\$1,400,759.00
Total Commitment Value, Including this Amendment	\$7,000,759.00
Construction Duration:	1,098 Days (3 Years, 1 Months)
Construction Start Date:	05-15-2022
Construction Completion Date:	06-15-2025

**Purpose of the Commitment:**

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

**Commitment Original Scope:**

- Replace 2.2 miles of water mains ranging from four (4) inches to twelve (12) inches diameter and associated valves and appurtenances.
- Replace water services 2-inch 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.

**Amendment Scope:**

DC Water submitted a design to DDOT in March 2021, and the project was subsequently solicited by DDOT in January 2022. The original commitment was established using an estimated construction cost but following receipt of the as bid construction cost an increase to the budget is now required. Following completion of the work DC Water will be reimbursed up to \$1.5 million for project enhancements required as part of the Union Market District development.

**Federal Grant Status:**

- Work under this commitment is not eligible for Federal grant funding assistance.



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

**ACTION REQUESTED**

**DDOT PARTICIPATION PROJECT:**

**DDOT - Florida Ave NE and NY Ave NE Intersection  
(Non-Joint Use)**

Approval for a commitment between District of Columbia Department of Transportation (DDOT) and DC Water for an amount up to \$1,099,365.47 The commitment exceeds the General Manager’s approval authority.

**PARTY INFORMATION**

<b>PARTY:</b>	<b>SUBS:</b>	<b>PARTICIPATION:</b>
District Department of Transportation 55 M Street, SE, Suite 400, Washington, DC 20003	DBE and WBE fair share objectives will follow DDOT goals.	

**DESCRIPTION AND PURPOSE**

Commitment Value, Not-To-Exceed: \$1,099,365.47  
 Construction Duration Time: 780 Days (2 Years, 1 Month)  
 Anticipated Construction Start Date: 05-01-2024  
 Anticipated Construction Completion Date: 06-20-2026

**Purpose of the Commitment:**

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

**Commitment Scope:**

- Replace 1,179 feet of water mains ranging from four (6) inches to twelve (12) inches diameter and associated valves and appurtenances.
- Replace copper water services 2-inch diameter and smaller in public and private space.
- 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 Grant Status:**

- Although the work scope is generally eligible for grant funding, grant funding was not applied to the project because it was procured through DDOT.



**AGREEMENT INFORMATION**

<b>Contract Type:</b>	DDOT Participation	<b>Award Based On:</b>	N/A
<b>Commodity:</b>	Design and Construction	<b>Contract Number:</b>	N/A

**BUDGET INFORMATION**

<b>Funding:</b>	Capital	<b>Department:</b>	Engineering and Technical Services
<b>Service Area:</b>	Water	<b>Department Head:</b>	William Elledge
<b>Project:</b>	HX		

**ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 1,099,365.47
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
<b>Total Estimated Dollar Amount</b>	<b>100.00%</b>	<b>\$ 1,099,365.47</b>

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 Jeffrey F. Thompson Date  
 Chief Operating Officer and EVP

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 Dan Bae Date  
 VP and Chief Procurement Officer

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 Chief Executive Officer and General Manager