



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

Meeting of the
Environmental Quality and Operations Committee

**Thursday, November 19, 2020
9:30 a.m.**

[Join Microsoft Teams Meeting](#)

+1 202-753-6714, 205208471# United States,
Washington DC
Phone Conference ID: 205 208 471#

- | | | |
|------------------|--------------------------------|---------------------------------|
| 9:30 a.m. | I. Call to Order | Adam Ortiz
Chair |
| | II. Roll Call | Linda Manley
Board Secretary |
| 9:35 a.m. | III. AWTP Status Update | Aklile Tesfaye |
| | 1. BPAWTP Performance | |
| 9:50 a.m. | IV. Action Items | Joel Grosser/Len Benson |
- Joint Use**
1. Contract No.: 15-PR-WWT-53A – Ferric Chloride, Carter & Carter Enterprises
 2. Contract No.: DCFA 508 – Planning and Engineering Services for Sewer System, Brown and Caldwell
 3. Contract No. N/A: MOU Contract - Rehabilitation of the Difficult Run Extension of the Potomac Interceptor, Virginia Department of Transportation & Shirley Contracting Company, LLC
- Non-Joint Use**
1. Contract No. N/A: MOU Contract - Pinehurst Branch Stream Restoration, Sewer Rehabilitation, & Oregon Avenue Sewer Abandonment, District Department of Energy & Environment
 2. Contract No.: 190090 - CSO 025 026 Sewer Separation, Anchor Construction Corporation

- | | | | |
|------------|-------|---|---------------------------------|
| 10:10 a.m. | V. | Water Operation Updates | Jason Hughes/Maureen Schmelling |
| | | 1. Fire Hydrants
2. Water Quality | |
| 10:20 a.m. | VI. | Other Business / Emerging Issues | |
| 10:25 a.m. | VII. | Executive Session* | Adam Ortiz
Chair |
| 10:30 a.m. | VIII. | Adjournment | |

Follow-up Items from Prior Meetings:

1. *SVP, CIP Project Delivery: Include risks associated with a potential privatization of the Washington Aqueduct and its impact on rates as part of the Risks and Sensitivities analysis. [To be included in the Budget Briefing PPT at the Full Board Meeting – January 7, 2021]*
2. *VP, DC Clean Rivers: Schedule a tour of GI Sites [TBD]*
3. *EVP, Chief Operating Officer - Conduct further discussions on the effects of increased wet weather events in the District including the need to further evaluate current modeling assumptions used to predict the magnitude of such events. [TBD]*
4. *Risk and Resilience Briefing [Target: December 17th EQ & Ops Cmte Meeting]*
5. *Director, VP, Wastewater Operations - Modify the Bloom Sales chart to show the sales numbers relative to production due to the fact that the sales are seasonal while the production is not. [On Current Agenda – Included in the BPAWTP Status Update]*
6. *Chief Operating Officer & EVP – brief committee on what efforts have been made to update and improve the Authority’s Emergency Communication protocols, especially in-light of two such previous failures during Boil Water Alerts. [TBD]*

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: matters prohibited from public disclosure pursuant to a court order or law under D.C. Official Code § 2-575(b)(1); contract negotiations under D.C. Official Code § 2-575(b)(2); legal, confidential or privileged matters under D.C. Official Code § 2-575(b)(4)(A); collective bargaining negotiations under D.C. Official Code § 2-575(b)(5); facility security 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); proprietary matters under D.C. Official Code § 2-575(b)(11); train and develop members of a public body and staff under D.C. Official Codes § 2-575(b)(12); decision in an adjudication action under D.C. Official Code § 2-575(b)(13); civil or criminal matters where disclosure to the public may harm the investigation under D.C. Official Code § 2-575(b)(14), and other matters provided in the Act.



Wastewater Operations

Blue Plains Advanced Wastewater Treatment Plant – October 2020

**Accomplishments
&
Priorities**

Effective Teamwork!

On October 28, 2020, maintenance personnel completed a scheduled replacement of an expansion joint on a pipe system that supplies air to Nitrification Reactors and Effluent Aeration required for removing nitrogen and maintaining the desired dissolved oxygen in the final effluent. The replacement work required complete outage of the Nitrification and Effluent Aeration System. However, due to effective planning, scheduling, work organization, and teamwork, assigned maintenance personnel were able to successfully complete replacement of the expansion joint in less than the 4 to 6 hours, anticipated to complete the work, and without impacting the quality of the effluent and NPDES permit requirements. EPA Region III was notified of the planned work and aeration system outage, prior to and after successful completion.



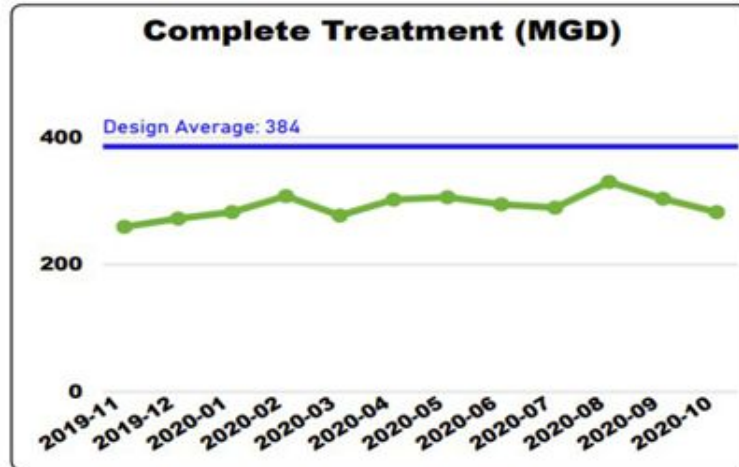
Kudos to O&M personnel who demonstrate effective teamwork every day!



Nitrification and Effluent Aeration System consist of five 4000 Horsepower (HP) blowers (each) and air distribution pipe and diffuser systems

Operational Performance

Blue Plains Complete Treatment Performance: The plant performance for the month of October 2020 was excellent with all effluent parameters well below the seven-day and monthly NPDES permit requirements. The monthly average flow through complete treatment (Outfall 002) was 281 Million Gallons Per Day (MGD).



Influent Flow to Complete Treatment

Wet Weather Treatment Facility (WWTF) Performance: During the month of October, a total of 264 million gallons (MG) of combined wet weather flows, captured in the tunnel system, were treated through the WWTF. The treated discharge of captured combined flows to the wet weather treatment outfall (Outfall 001) was 112 MG. The remaining 152 MG were directed to the complete treatment train. Clean River is currently running a model to estimate the volume of CSO overflow for this month.

Wet Weather Treatment Facility Performance

	October 2020 (Draft)	Calendar Year 2020 (Through October)
Total Precipitation, inches (DCA gauge)	4.86	46.24
Total Volume Captured in the Anacostia Tunnel, MG	264	2,301
Measured Overflow, MG	0*	368*
Percent Captured**	100%*	86%*

Note

*Based on preliminary data. No overflows measured from the two tunnel overflow structures. Data unavailable for potential overflows from existing CSOs. Hydraulic model will be used to estimate overflows from existing CSOs.

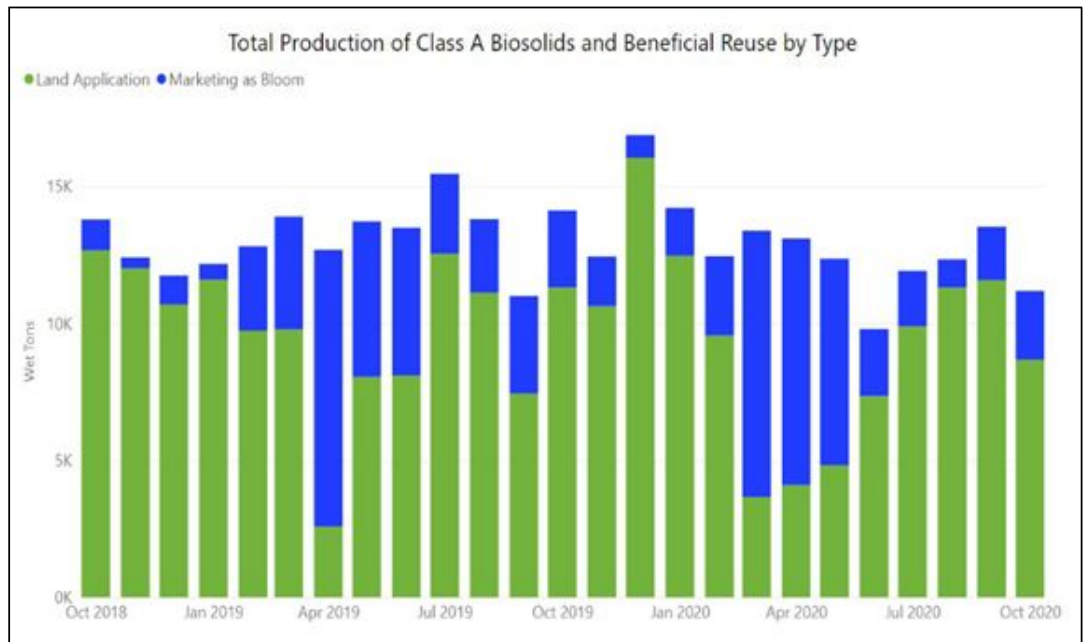
**Expected Capture ~80%

Operational Performance

Class A Biosolids Quality: In October, biosolids hauling averaged 361 wet tons per day (wtpd). All biosolids produced during the month met Class A Exceptional Quality (EQ) requirements required by EPA. Fecal Coliform values on daily process monitoring samples remained below the 1,000 MPN*/gram required for Class A biosolids - consistent with the low levels measured historically.
 *Most Probable Number (MPN) per gram measures statistical probability of number of organisms

Bloom Marketing: During the month of October 2020, a total of 2,513 tons of bloom was marketed. The remaining, 11, 191 wet tons were land applied through DC Water and WSSC contracts

**Total Wet Tons of Class A Biosolids Produced - October 2018 to October 2020
 Marketed as Bloom (blue) and Landapplied (green)**



Research and Development: DC Water was an active participant on three research proposals submitted on October 6 in response to a Department of Energy Funding Opportunity Announcement aimed towards R&D for Advanced Water Resource Recovery Systems. These proposals are focused on development of processes and control strategies for reducing reliance on energy and increasing energy and resource recovery. Successful teams will be notified in spring of 2021

Progress Report

Water Quality & Pretreatment

- ✓ Pretreatment Program staff conducted Significant Industrial User* (SIU) compliance monitoring at Amtrak High Speed Rail Train Wash Station and Naval Research Laboratory.
- ✓ The following new or renewed wastewater discharge permits were issued: one SIU permit; five Temporary Discharge Authorization permits**; and two Waste Hauler permits***.
- ✓ Staff training this month included an EPA Webinar on treatment of high strength wastewater and Stormwater GIS map training.
- ✓ During the fiscal year 2020, a total volume of 19.7 million gallons (MG) was received from different sources. Total volume by waste type is show on the Figure.

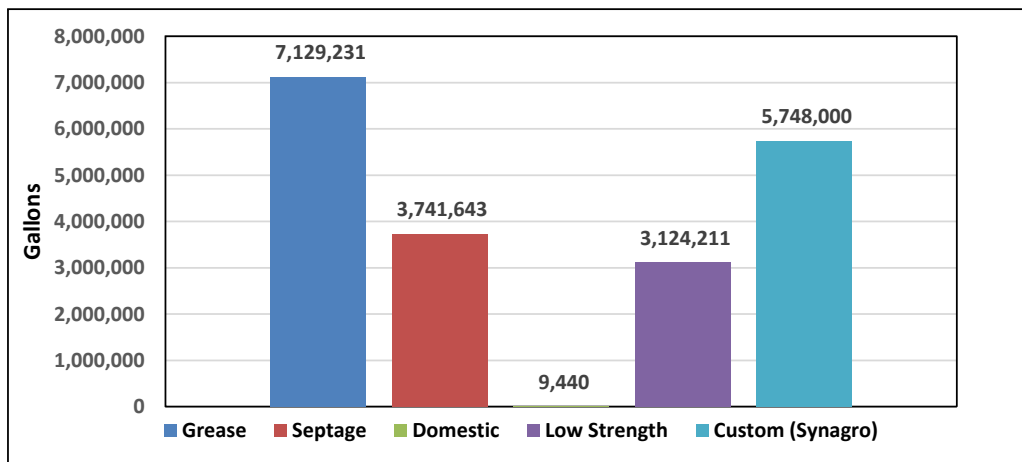
Note:

* Industrial user with an average process wastewater flow of 25,000 gallons or more per day and/or contributes 5% or more of the total inflow or organic loading to Blue Plains Advanced Wastewater Treatment Plan, and/or is a federally mandated categorical industry, and/or has a reasonable potential for adversely affecting the operation of Blue Plains or for violating any pretreatment standard or requirement, for harming the environment or for causing a threat to wastewater utility personnel.

*DC Water allows residents, businesses, and government agencies to discharge stormwater, groundwater, and surface water runoff from construction/dewatering projects or other temporary water discharges (e.g., power wash runoff, hydro-demolition wastewater, etc.) to the District's wastewater system on a case-by-case basis

***DC Water allows businesses and government agencies with a permit to discharge domestic (i.e., residential-type) septage, grease trap waste, uncontaminated non-wastewater flows, and other non-hazardous waste (allowed on a case-by-case basis) at the Blue Plains Advanced Wastewater Treatment Plant (AWTP). It is illegal to discharge hauled waste directly to the District's wastewater system anywhere else within the District of Columbia.

Volume of Hauled Waste Received During Fiscal Year 2020 – By Type of Waste



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

ACTION REQUESTED

**GOODS AND SERVICES CONTRACT OPTION YEAR
FERRIC CHLORIDE
(Joint Use)**

This contract action is to extend option year 4 of the contract in the amount of \$3,500,000.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Carter & Carter Enterprises Inc. 212 Van Buren Street, NW Washington, D.C. 20012 LSBE	SUBS: N/A	PARTICIPATION: 100%
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$3,325,000.00
Original Contract Dates:	01-10-2016—01-09-2017
No. of Option Years in Contract:	4
Option Year 1 – 2 Value:	\$6,881,775.00
Option Year 1 – 2 Dates:	01-10-2017—01-09-2019
Prior Modifications Value:	\$1,100,000.00
Prior Modifications Dates:	10-01-2018—01-09-2019
Option Year 3 Value:	\$4,900,000.00
Option Year 3 Dates:	01-10-2019—01-09-2020
Option Year 4 Value:	\$5,000,000.00
Option Year 4 Dates:	01-10-2020—01-09-2021
Option Year 4 Modification Value:	\$3,500,000.00
Option Year 4 Modification Dates:	01-10-2021—06-30-2021

Purpose of the Contract:

This contract is to supply and deliver liquid ferric chloride to DC Water’s Blue Plains Advanced Wastewater Treatment Facility. Ferric chloride is used in the wastewater treatment process to remove phosphorous, suspended solids, and odor-causing compounds. All these functions are needed for DC Water to comply with its water discharge permits.

Contract Scope:

To ensure supply security, ferric chloride supply was awarded to 2 companies with independent supply chains, 90% to Carter & Carter, and 10% to PVS Technologies. Market pricing has increased about 40% in recent years. We are reducing the cost impact by optimizing usage and evaluating an alternate chemical in the secondary clarification process. This contract extension provides continuity of supply while we complete evaluation and solicitation for new contracts

Spending Previous Year:

Cumulative Contract Value:	01-10-2016 to 01-09-2021: \$21,206,775.00
Cumulative Contract Spending:	01-10-2016 to 10-27-2020: \$18,639,686.00

Contractor’s Past Performance:

According to the COTR, the Contractor’s quality of product 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:	Good and Services	Award Based On:	Best Value
Commodity:	Ferric Chloride	Contract Number:	15-PR-WWT-53A
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION

Funding:	Operating	Department:	Wastewater Treatment
Project Area:	Blue Plains	Department Head:	Aklile Tesfaye

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	43.44%	\$1,520,400.00
Washington Suburban Sanitary Commission	41.95%	\$1,468,250.00
Fairfax County	9.79%	\$342,650.00
Loudoun Water	4.23%	\$148,050.00
Other (PI)	0.59%	\$20,650.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$3,500,000.00

Aklile Tesfaye / 11/05/2020
 Aklile Tesfaye Date
 VP of Wastewater Operation

_____/_____
 Dan Bae Date
 VP of Procurement and Compliance

for _____/_____
 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 CONTRACTOR FACT SHEET**

ACTION REQUESTED

ENGINEERING SERVICES:

**Planning and Engineering Services for Sewer System
(Joint Use)**

Approval to execute an architectural and engineering services contract not to exceed \$20,000,000 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:
Brown and Caldwell 1725 Duke Street Suite 250 Alexandria, VA 22314 <u>Headquarters</u> Walnut Creek, CA	R2T, Inc. Dunwoody, GA	MBE 10.0%
	Environ-Civil Engineering, Ltd. Richmond, VA	MBE 4.0%
	DM Enterprise Consulting Laurel, MD	MBE 3.0%
	InterAgency, Inc. Washington, DC	MBE 3.0%
	Shrewsbury & Associates Engineering Washington, DC	MBE 3.0%
	DMY Engineering Consultants, Inc Chantilly, VA	MBE 2.0%
	Wave Civil, LLC Annandale, VA	MBE 3.0%
	Savin Engineers, PC Baltimore, MD	MBE 2.0%
	Dramby Environmental Consulting, Inc Richmond, VA	WBE 3.0%
	Robert B. Balter Company Owings Mills, MD	WBE 1.0%
	Carollo Engineers Arlington, VA	25.0%
	Corrosion Probe, Inc. Centerbrook, CT	1.0%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: \$20,000,000
 Contract Time: 1,825 Days (5 Years, 0 Months)
 Anticipated Contract Start Date: 01-13-2021
 Anticipated Contract Completion Date: 01-12-2026

Other firms submitting proposals/qualification statements:

- Arcadis US, Inc.
- *Atkins North America, Inc.
- WSP USA, Inc.

* Asterisk indicates short listed firms.

Purpose of the Contract:

To retain the services of a qualified Architectural and Engineering (A-E) firm to provide capital projects planning and engineering services required for the planning and execution of CIP and non-CIP tasks including staff augmentation and support of operations for the combined, sanitary and storm sewer service areas.

Contract Scope:

- Support the development and management of the Capital Improvement Program (CIP) for the Sewer Service Areas, including but not limited to;
 - Annual updates to the Combined, Sanitary and Storm Sewer CIP
 - Develop collection system Facilities and Master Planning documents
 - Support programs for collection system assessment, rehabilitation and/or replacement
 - Conduct inspection of vertical assets such as pump stations and inflatable dams
- Provide technical support to the Sewer Service Areas, including but not limited to;
 - Conduct review of third-party submittals
 - Support risk-based asset prioritization model maintenance and updates
 - Maintain collection system hydraulic model and provide GIS management support
- Augment DC Water staff with experienced & qualified technical resources, Project Managers and Construction Managers.
- Support operational departments
 - Provide technical expertise pertaining to existing or proposed assets and facilities
 - Provide technical support for development of SOPs, Job Plans, O&M Manuals and other guidance documents

PROCUREMENT INFORMATION

Contract Type:	Lump Sum & Cost-Plus Fix Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Design Services	Contract Number:	DCFA #508
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services	
Service Area:	Sanitary & Storm	Department Head:	Craig Fricke	
Project:	AU, AT			

ESTIMATED USER SHARE INFORMATION

User	**Share %	Dollar Amount
District of Columbia	100.00%	\$ 20,000,000.00
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%	\$ 20,000,000.00

**Under the terms of the IMA, the capital costs associated with each joint facility are to be split among the users in proportion to the peak flow each user is allocated. It is not possible, at this time, to allocate costs by individual facility. It is anticipated that as projects are developed for work associated with specific facilities and costs are developed, the individual users will be notified and billed accordingly.

Digitally signed by Leonard Benson
 DN: dc=com, dc=dcwasa, ou=WASA Users, ou=Engineering, cn=Leonard Benson, email=Leonard.Benson@dcwater.com
 Date: 2020.11.12 09:24:30 -05'00'

Leonard Benson

 Leonard R. Benson Date
 SVP, CIP Project Delivery

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

for _____
 Dan Bae, VP Date
 Procurement & Compliance

_____ Date
 David L. Gadis
 CEO & General Manager

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

ACTION REQUESTED

MEMORANDUM OF AGREEMENT:

**Rehabilitation of the Difficult Run Extension of the Potomac Interceptor
(Joint Use)**

Approval to execute the Memorandum of Agreement (MOA) between Virginia Department of Transportation (VDOT), Shirley Contracting, LLC and DC Water for \$2,139,067.70. The MOA exceeds the General Manager's approval authority.

PARTY INFORMATION

PARTY:	SUBS:	PARTICIPATION:
Virginia Department of Transportation 1401 East Broad St Richmond, VA 23219 Shirley Contracting Company, LLC 8435 Backlick Road Lorton, Virginia 22079	MBE and WBE fair share objectives will follow VDOT goals.	

DESCRIPTION AND PURPOSE

MOA Value, Not-To-Exceed:	\$2,139,067.70
MOA Time:	548 Days (1 Year, 6 Months)
Anticipated MOA Start Date:	01-02-2021
Anticipated MOA Completion Date:	06-01-2022

Purpose of the MOA:

A 42-in diameter reinforced concrete pipe (RCP), the Difficult Run branch of the PI, owned and operated by DC Water, crosses Route 7, under improvement by the Virginia Department of Transportation (VDOT).

The 42-inch diameter RCP is in poor condition and in need of renewal to minimize the risk of further structural deterioration or collapse of the pipe due to impact by the road and bridge construction activities.

This MOA provides rehabilitation of the 42-inch diameter structurally compromised RCP crossing Rte. 7 as part of VDOT's Rte-7 corridor improvement plan project.

MOA Scope:

- The VDOT project will rehabilitate the Difficult Run Extension of the Potomac Interceptor within the project limits and nearby structurally compromised pipe segments.
- The scope includes
 - Lining or replacement of ~980 linear feet of 42-inch RCP pipe.
 - Bypass pumping, as necessary, for lining of the pipe.
 - Installation of new manhole near existing manhole M225A, rebuild manhole M-225B, reinstate manhole M-224 and abandon Existing Manhole M-225A.
 - Design, environmental permitting and other ancillary work

Federal Grant Status:

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

AGREEMENT INFORMATION

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

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Sanitary Sewer	Department Head:	Craig Fricke
Project:	LZ		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	0.00%	\$
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	87.13%	\$ 1,863,799.27
Loudoun County & Potomac Interceptor	0.00%	\$
Other PI Users	12.87%	\$ 275,268.43
Total Estimated Dollar Amount	100.00%	\$ 2,139,067.70

**Leonard
Benson**

Digitally signed by Leonard Benson
DN: dc=com, dc=dowasa, ou=WASA Users,
ou=Engineering, cn=Leonard Benson,
email=Leonard.Benson@dcwater.com
Date: 2020.11.12 09:19:09 -05'00'

Leonard R. Benson / Date
SVP, CIP Project Delivery

for _____ /
Dan Bae, VP / Date
Procurement & Compliance

for _____ /
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 FACT SHEET**

ACTION REQUESTED

MEMORANDUM OF UNDERSTANDING AGREEMENT:

**Pinehurst Branch Stream Restoration, Sewer Rehabilitation, & Oregon Avenue
Sewer Abandonment
(Non-Joint Use)**

Approval to execute the Memorandum of Understanding (MOU) between District of Columbia Department of Energy and Environment (DOEE) and DC Water for \$2,080,000.00. The MOU exceeds the General Manager's approval authority.

PARTY INFORMATION

PARTY:	SUBS:	PARTICIPATION:
District Department of Energy & Environment 1200 1st St. NE 5th Flr. Washington, DC 20002	MBE and WBE fair share objectives will follow DOEE goals.	

DESCRIPTION AND PURPOSE

MOU Value, Not-To-Exceed:	\$2,080,000.00
MOU Time:	1424 Days (3 Years, 10 Months)
Anticipated MOU Start Date:	12-31-2020
Anticipated MOU Completion Date:	11-24-2024

Purpose of the MOU:

During the DC Water's Pinehurst Sherrill & Fenwick (PSF) and Oregon Avenue Sewer Abandonment projects design process, DC Water learned that a DC Department of Energy & Environment (DOEE) stream restoration project in the Pinehurst Branch area was already under conceptual design and pending National Environmental Policy Act (NEPA) compliance. To avoid the time and financial burden of a NEPA process that would be required for the PSF and Oregon Avenue Sewer Abandonment projects, DC Water proposed entering into an agreement with DOEE under a new Memorandum of Understanding (MOU). The agreement between DC Water and DOEE shall direct DOEE to design and construct the sewer services in the PSF and to abandon the Oregon Avenue Sewers using flowable fill as part of their stream restoration project

The MOU will establish the principles of cooperation between the two organizations with respect to planning, design, construction, cost sharing, method of payment and other relevant matters.

MOU Scope:

- DOEE shall perform the following services to the sewers in the Pinehurst Branch Stream area:
 - Provide sewer asset stabilization
 - Concrete encasement and cover of sewer lines
 - Stabilization of existing stormwater outfalls
 - Permanent abandonment of existing sewers and associated MH using flowable fill
- DC Water shall reimburse DOEE for all eligible planning, design and construction costs for the proposed services.
- DC Water shall provide review comments of the design drafts (conceptual, semi-final, and final) related to the proposed services.
- DC Water shall monitor, inspect and record all observed construction activities that relate to the proposed services throughout the duration of the construction activities.
- DC Water shall be responsible for the review and acceptance of work including deliverables related to the design and construction of the services.

Federal Grant Status:

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

AGREEMENT INFORMATION

Contract Type:	MOU	Award Based On:	N/A
Commodity:	Design and Construction	Contract Number:	N/A

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Sanitary Sewer	Department Head:	Craig Fricke
Project:	IL		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 2,080,000.00
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%	\$ 2,080,000.00

_____/_____
 Leonard R. Benson Date
 SVP, CIP Project Delivery

for _____/_____
 Dan Bae, VP Date
 Procurement & Compliance

for _____/_____
 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:

**Combined Sewer Overflow (CSO) 025 and 026 Sewer Separation
(Non-Joint Use)**

Approval to execute a construction contract for \$7,799,988.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Anchor Construction Corporation 2254 25 th Place, NE Washington, DC 20018	Aves Construction Corp Temple Hills, MD	MBE 8.1%
	Omni Excavators Forestville, MD	MBE 6.3%
	Metro Paving Corporation Hyattsville, MD	MBE 5.4%
	Interagency Inc. Washington, DC	MBE 3.5%
	S&J Service, Inc. Hyattsville, MD	MBE 3.4%
	SJ and Son Construction and Trucking, Bowie, MD	MBE 3.4%
	Kim Engineering Beltsville, MD	MBE 1.7%
	Monumental Concrete, LLC Washington, DC	MBE 0.3%
	Keys Materials and Utilities, Inc. Mt. Airy, MD	WBE 1.9%
	Ram Construction, Inc Olney, MD	WBE 1.7%
	Resource Industries, LLC Washington, DC	WBE 1.3%
	Tina Boyd and Associates Washington, DC	WBE 1.0%
	Dovetail Cultural Resource Group Fredericksburg, VA	WBE 0.4%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$7,799,988.00
Contract Time:	547 Days (1 Year, 6 Months)
Anticipated Contract Start Date (NTP):	01-06-2021
Anticipated Contract Completion Date:	09-04-2022
Bid Opening Date:	03-11-2020
Bids Received:	09-16-2020
Other Bids Received	
Fort Myer Construction Corporation	\$ 8,634,293.00
Garney Companies, Inc	\$10,795,096.00
Evaluation Bid Amount:	\$ 7,799,988.00

Purpose of the Contract:

To eliminate CSO discharges to the Potomac River through existing outfalls CSO 025 and CSO 026 by constructing new sanitary sewers to collect and convey sanitary flow to Blue Plains for treatment, while keeping the existing combined sewer outfall pipes for CSO 025 and CSO 026 as storm pipes. The project also includes a modification to existing combined sewer regulator Structure 44 located west of the intersection of Potomac Street NW and Water Street NW.

This work is required by a Consent Decree.

Contract Scope:

- Installation and/or replacement of sewer pipes, manholes, sewer laterals, cleanouts, and catch basins.
- Connection of existing sewer laterals to new sewer pipes
- Connection of new sewer pipes to existing 48-inch Upper Potomac Interceptor sewer pipe
- Relocations of water mains
- Construction of subsurface reinforced concrete structures
- Traffic control
- Site restoration

Federal Grant Status:

- The Construction contract may be funded in part by prior Congressional appropriations for CSO projects, to the extent such appropriations are or become available.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Best Value
Commodity:	Construction	Contract Number:	190090
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	DC Clean Rivers
Service Area:	Combined Sewer	Department Head:	Carlton Ray
Project:	CZ		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00	\$ 7,799,988.00
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%	\$ 7,799,988.00

_____/_____
 Leonard R. Benson Date
 SVP, CIP Project Delivery

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

for _____/_____
 Dan Bae, VP Date
 Procurement and Compliance

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

Status Report of Public Fire Hydrants for DC Water Services Committee - November 4, 2020

	August Cmte. Report (August 04, 2020)	September Cmte. Report (September 03, 2020)	October Cmte. Report (October 05, 2020)	November Cmte. Report (November 04, 2020)
Public Fire Hydrants:	9,395	9,396	9,395	9,391
In Service:	9,320	9,332	9,328	9,327
Marked Out-of-Service (OOS)	75	64	67	64
OOS - defective requiring repair/replacement	52	41	44	40
% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)	0.55%	0.44%	0.47%	0.43%
OOS - due to inaccessibility or temp construction work	23	23	23	24

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 November 4, 2020 64

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	0	0	0	0	0	1	3	4
Needs Valve Investigation for Low Flow/Pressure or Shut Test for Replacement	0	0	0	0	0	0	9	9
Needs Replacement	4	1	1	4	2	0	15	27

Defective

40

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	1	0	0	18	19
Construction* - OOS	0	0	0	1	0	0	1	2
Obstructed Hydrant – OOS hydrant due to operation impeded by an obstruction.	0	0	0	0	0	0	3	3

Others

24

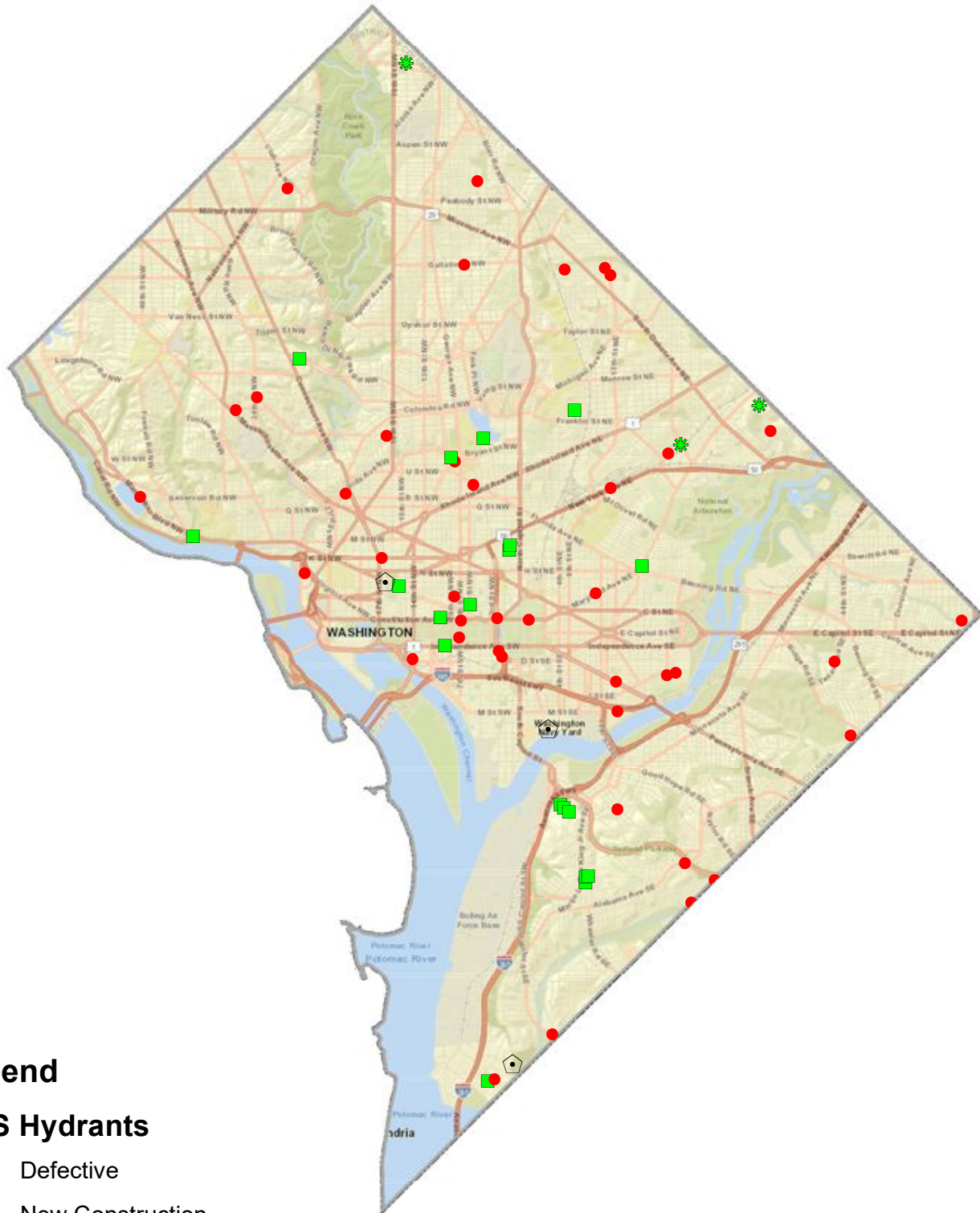
**Fire hydrants not accessible due to construction activities. Also includes new hydrants which have not yet been commissioned or old hydrants which will be abandoned as part of ongoing construction projects.*

Status of Private Fire Hydrants-Based on FEMS Inspection Reporting

Private Hydrants:	1,296
• In Service:	1,157
• Out-of-Service (OOS):	139

Map of Public Out-of-Service Hydrants

November 04, 2020



Legend

OOS Hydrants

- Defective
- * New Construction
- ⬠ Obstructed
- Temporary

Status Report for EPA Drinking Water Regulated Monitoring November 10, 2020

Total Coliform Rule Update

DC Water collected 242 samples in October 2020 and zero were positive for total coliform.

Lead and Copper Rule Update

DC Water distributed 186 sample kits to customers from July through October. Customers returned water samples with valid information from 102 sites. Table 1 shows the results from 85 sites below (17 are in process). Table 2 describes the locations with lead results greater than 15 ppb.

Table 1. LCR Lead Sampling Data

	2 nd Semester 2020	
	1st Draw	2nd Draw
90th Percentile, ppb	3.2	5.4
Number of Samples	85	85
Number of Samples > 15 ppb	1	1

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
1505 Buchanan St NW	Full Lead Service Line	37	16	65	38