DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
Board of Directors
Meeting of the
Environmental Quality and Operations Committee

Thursday, September 16, 2021
9:30 a.m.

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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	
9:45 a.m.	**IV.**	**Proposal to Amend Regulations to Revise Pretreatment Discharge Standards and Non-Wastewater Flows Requirements**	
		1. Action Item: **a. Recommendation of Approval** – Publication of the proposed amendments to the Discharge Standards and Non-Wastewater Flows Requirements (21 DCMR § 1501) to revise the discharge standards as required by EPA.	Elaine Wilson
10:00 a.m.	**V.**	**CIP Quarterly Update**	Paul Guttridge
10:10 a.m.	**VI.**	**IT Professional Services**	Hari Kurup
10:15 a.m.	**VII.**	**Action Item**	Joel Grosser/Kishia Powell

Joint Use

1. Contract Nos.: 10088 – 10100 – IT Professional Services, Thirteen Firms
2. Contract No.: 10121 – Rehabilitation of Various Process Assets, Electric Motor & Contracting
3. Contract No.: 16-PR-DFM-77 – Fire Protection Systems, BFPE International

Non-Joint Use

1. Contract No.: 190030 - Lead Service Line Replacement, Anchor Construction Corporation
2. Contract No.: 170170 – Public Space Restoration, Capitol Paving of DC, Inc.
3. Contract No.: DCFA 512: Rock Creek Project B Green Infrastructure, Rummel, Klepper, and Kahl

10:30a.m.	**VIII.**	**Contractor Availability**	Dan Bae/Len Benson/Korey Gray/Rudy Gonzalez
10:45 a.m.	**IX.**	**Water Operation Updates**	
		1. Fire Hydrants/Map	Marlee Franzen
		2. Water Quality	Maureen Schmelling
10:50 a.m.	**X.**	**Other Business / Emerging Issues**	
10:55 a.m.	**XI.**	**Executive Session***	Adam Ortiz Chair
11:00 a.m.	**XII.**	**Adjournment**	

Follow-up Items from Prior Meetings:

1. *None*

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 – August 2021

Accomplishments & Priorities

Repair of West Grit Chamber Channels

Significant deterioration was discovered in 2019 when the west grit effluent channel was shut down briefly for mechanical repairs. It was found that high concentrations of H_2S gas and scouring by wastewater flow had caused the channel to be in poor condition and in need of urgent repairs. The entire West Headworks & West Primary Facilities would be at risk if these channels failed.

Figure 1. Up to six inches of concrete were found to be missing from existing walls with

Engineering and Wastewater Treatment worked closely together to expedite the critical repairs to this Facility. This work required an outage of the West Preliminary and Primary Treatment Facilities for an extended period. The required outage resulted in 40% reduction in the Preliminary and Primary treatment capacities and created a significant risk during high flow wet weather events.

Engineering and Wastewater Treatment worked together to expedite a Maintenance of Plant Operations plan (MOPO) to try to minimize the outage time and mitigate potential risks. As part of this effort, a complete West Headworks outage for a 1-day duration was implemented to further investigate the channels and better define the scope of work and schedule. Through extensive collaborations between Operations, Engineering, and the Contractor, the required complete West Headworks outage durations were reduced to two, 7-day, outages. These complete outages took place at the start of the project and at the end of the project. Most of the field work took place between these two complete outages where only partial system outages were needed.

After the MOPO Plan and Schedule were drafted, Operations communicated with the EPA Region II, keeping the EPA abreast of the repair plans and the outages required. A consistent line of communication was maintained throughout the project, which kept the EPA informed of the progress and the timing of the outages.

Prior to the start of the work, Operations performed a full-scale test during a typical dry weather day to confirm that the Plant could meet the Permit required peak flow of 555 MGD using only the East Headworks and East Primary Facilities. The test was successful and provided the staff with the confidence to proceed with the repair work.

Figure 2. Installation of additional rebar

Figure 3. Restored section with calcium aluminate shotcrete

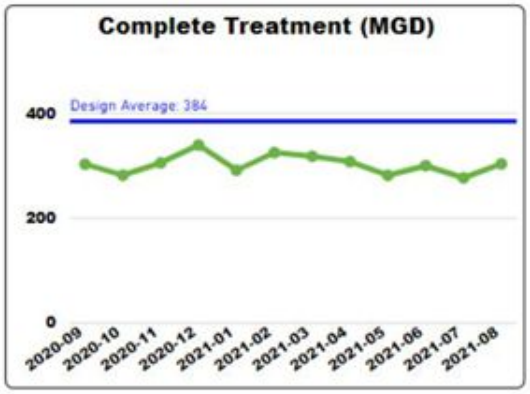
The first step of the repair work entailed hydro-demolition to prepare the substrate and remove the deteriorated concrete. The second step was the installation of additional steel rebar to structurally restore the concrete substrate, Existing exposed rebar that was still in good condition was coated with a protective chemical. The last step consisted of applying the calcium aluminate shotcrete to the concrete surface using a spray on nozzle. Through extensive research, DC Water has found that calcium aluminate shotcrete is one of the most suitable materials in withstanding aggressive gases that are formed in wastewater.

Most of the work took place in the Spring of 2021. Concrete restoration for the four (4) effluent channels was completed in July 2021 and the West Headworks was restored and back to full operations.

Operational Performance

Blue Plains Complete Treatment Performance: The plant performance for the month of August 2021 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 303 MGD. The total volume for the month of June of treated captured combined flow directed to Outfall 001 from the Wet Weather Treatment Facility (WWTF) was 81 MG.

Figure 4. Monthly Average Influent Flow Trend to Complete Treatment (MGD)



Wet Weather Treatment Facility (WWTF) Performance: In August 2021, a total of 456 MG of combined wet weather flow, captured in the tunnel system, was treated through the plant. There was 69 MG of measured overflow that took place on this month (Table 1).

Table 1. Wet Weather Treatment Facility (WWTF) Performance

	August 21 (Draft)	Calendar Year 2021 (Through August)
Total Precipitation, inches (DCA gauge)	7.91	34.02
Total Volume Captured in the Anacostia Tunnel, MG	456	1,696
Measured Overflow, MG	69	81
Percent Captured**	87%	95%
Screenings and Grit Capture, tons		1,998

Note

*Based on preliminary data.

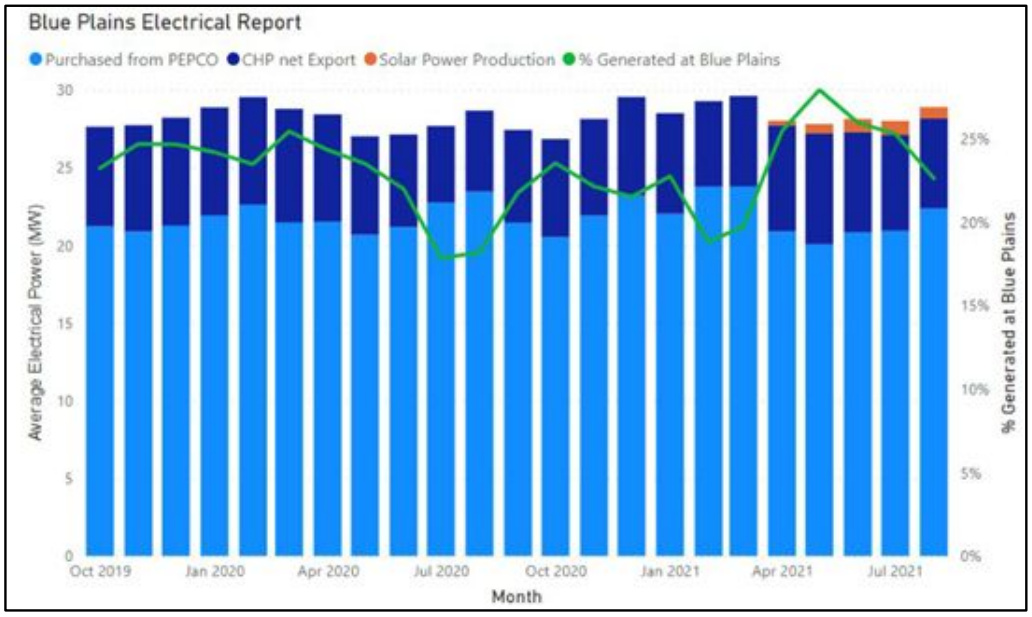
**Expected Capture ~80%

Operational Performance

Blue Plains Electrical Energy Use and Generation: The Combined Heat and Power (CHP) facility produced an average of 7.1 megawatts (MW) of renewable electricity during this month. Contractually, the CHP performance is evaluated based on the net electricity export to the Blue Plains grid, which averaged 5.8 MW as shown in Figure 5 below. The solar system produced an additional 0.73 MW of power on average.

The total electricity consumption at Blue Plains averaged 28.9 MW during the month of August. Out of total electrical consumption, 23% of electricity was generated onsite between CHP and solar panels, which surpassed the plant performance metrics of 20%. DC Water purchased an average of 22.4 MW of electricity from PEPCO as shown in the graph below.

Figure 5. Blue Plains Energy Report – October 2019 to August 2021: Average Electricity Purchased from PEPCO (light blue), Net Export from CHP (dark blue), Solar Power Production (orange) and % of Total Plant Electricity Use Generated Onsite (green line on right Y-axis)



Note: Solar panel power monitors are still in commissioning phase.

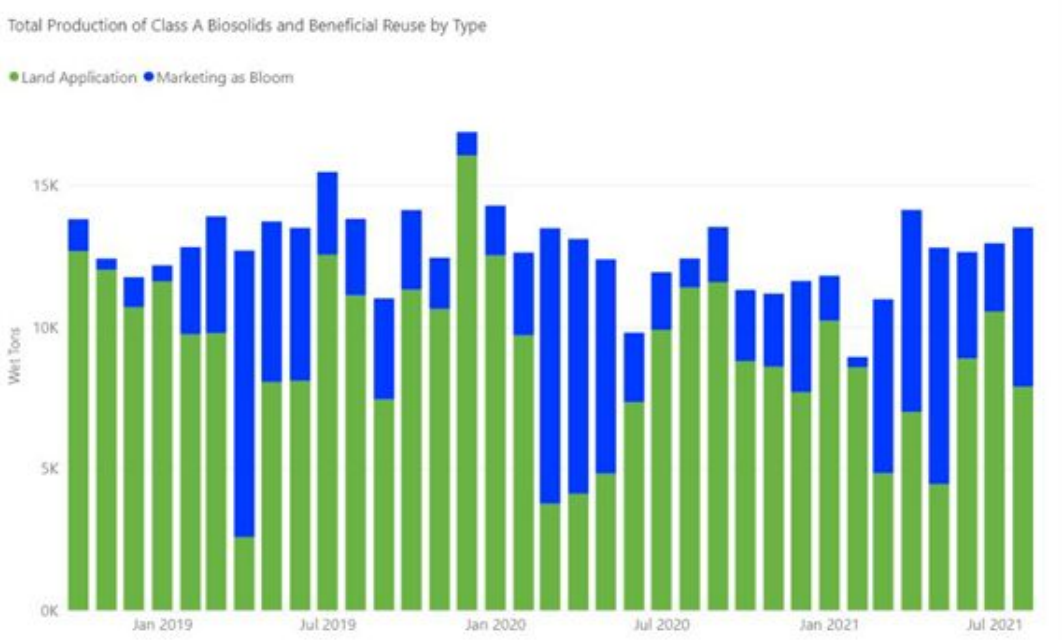
Operational Performance

Class A Biosolids Production: In August, biosolids hauling averaged 435 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: The average quantities of Class A biosolids transported and applied on farms and the quantities marketed as Bloom are shown on the graph below. In August, Blue Drop sold 5,642 wet tons of Bloom (Figure 6). The remaining 7,847 wet tons not sold into the market were land applied through DC Water (through Blue Drop) and WSSC contracts.

Figure 6. Tons of Class A Biosolids Produced - October 2018 to August 2021
Marketed as Bloom (blue) and Land Applied (green)



Progress Report	**Water Quality & Pretreatment**: During the month, staff issued one Significant Industrial User permit* to Loudoun Water for the Broad Run Water Reclamation Facility centrate discharge, three Temporary Discharge Authorization permits** and three Waste Hauler permits**, including two Waste Hauler permits that were administratively extended. Staff conducted three industrial user inspections and compliance monitoring at three Significant Industrial Users. Staff collected NPDES permit compliance samples this month including dry and wet weather effluent PCBs. 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 has a reasonable potential 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. **Research and Development:** During the end of July into the beginning of August, four IOS tankers Demon inoculum were harvested from the reactors at the FTF. This collaboration with Blue Drop was one in a series, the goal being to help a treatment facility in Santiago start-up a similar treatment process. Several other research projects were conducted as well last month. We will report on these findings in the next update.

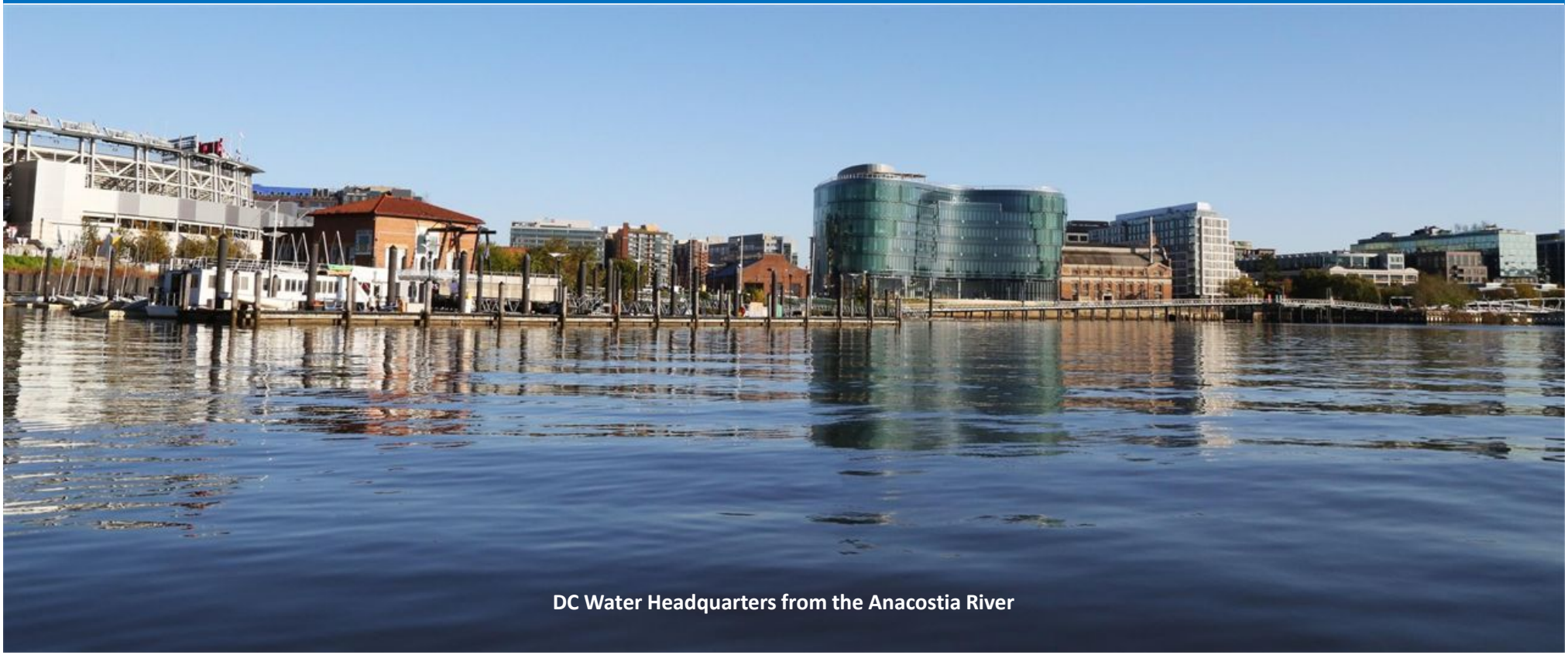
Proposal to Amend Regulations to Revise Pretreatment Discharge Standards and Non-Wastewater Flows Requirements

Attachment B

Presentation to Environmental Quality and Operations Committee, September 16, 2021

Presented by Elaine Wilson, Manager, Water Quality and Pretreatment

District of Columbia Water and Sewer Authority



DC Water Headquarters from the Anacostia River

Purpose

- Seek committee's recommendation to the full board for approval to modify the Pretreatment Discharge Standards and Sewer Use Requirements in 21 DCMR Chapter 15 § 1501.
- The EPA requires DC Water to evaluate and update the local limits or discharge standards by conducting a headworks analysis with every reissuance of our NPDES permit to ensure protection of DC Water facilities, resources, and receiving waters from industrial discharges.
- As required by our NPDES permit, within 6 (six) months of acceptance of the headworks analysis by the EPA, DC Water shall adopt the revised local limits and notify all contributing municipalities of the need to adopt the revised local limits.

Background

- DC Water conducted a local limits headworks analysis in 2019 and submitted the evaluation to EPA on February 28, 2020. EPA provided comments on the headworks evaluation on July 15, 2021, and DC Water submitted a revised headworks analysis to EPA on July 19, 2021. EPA accepted the revised limits on August 3, 2021. Regulations must be adopted no later than February 3, 2022.
- The evaluation proposes more stringent limits for arsenic, molybdenum, silver, and cyanide; less stringent limits for cadmium, mercury, and nickel; and no change in limits for copper, lead, zinc, petroleum oil and grease, and PCBs. In addition, a new limit is proposed for selenium.
- The limits being proposed for an increase are all currently at ≤8% of the maximum allowable influent loading so there is plenty of capacity if increasing the limit results in increased loading.
- The limits for cadmium, mercury, and nickel are being increased to match the current WSSC limits so there is a regional limit with the additional capacity being held in reserve for those industrial users that may require additional loading. This approach will result in less burden to the industrial user while continuing to protect DC Water and the environment.

Background

- Increasing these limits is a significant program modification that requires EPA to public notice the program modification for a 30-day public comment period after DC adopts the Final Rulemaking.
- The limits being proposed to be more stringent are primarily to protect the new anaerobic digestion treatment process and to expand our Class A Biosolids marketing to states with stricter quality requirements.
- All currently permitted industrial dischargers can meet the new discharge standards.
- Many non-permitted industrial/commercial dischargers will likely not be able to meet the new molybdenum limit until they change water treatment chemicals. Cooling tower blowdown from office and multi-family residential buildings is a suspected major source of this pollutant. DC Water will need to roll out an education campaign targeted to these dischargers and this pollutant source.

Proposed Changes

- Revise local limits for selected metals and cyanide in 21 DCMR § 1501.8 as accepted by EPA and provide minor clarifications including the PCB method
- Revise additional sections in § 1501 as follows:
  - § 1501.4(c) (2) - change prohibition on solids having a linear dimension greater than one inch to one-half inch. This change may improve pumping operations and provide for more effective enforcement.
  - § 1501.4(k) (4) – clarify prohibition on waste from a marine holding tank to include waste from a mobile vehicle. This change would help ensure that mobile vehicles are disposing of their waste properly in accordance with regulations.
  - § 1501.9 – change the upper pH limit for continuous pH monitoring to 12.0 instead of 12.5, since 12.5 is considered hazardous.

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Proposed Changes

- Revise additional sections in § 1501 as follows:
  - Reserve sections § 1501.14-15 for future changes to food waste prohibition language
  - Minor revisions to existing § 1501.14 (now § 1501.16) to clarify that:
    - (a) uncontaminated non-wastewater flows are not prohibited from discharge to the sanitary sewer if they result from an industrial process to allow for reuse options for clear water flows, and cooling waters have been deleted from the list of flows prohibited from the sanitary sewer; and
    - (c) MS4 sewer availability distance requirements are for **permanent** stormwater connections to make it clear that temporary connections can go to a combined sewer if available no matter the distance to the MS4 sewer.

Next Steps

Management Recommendations or Conclusion

Management recommends that the committee recommend the following to the full Board for approval:

- Action Item – publication of the proposed amendments to the Discharge Standards and Non-Wastewater Flows Requirements regulations (21 DCMR § 1501) to revise the discharge standards as required by EPA.

8

Next Steps

- Schedule for adoption of the new sewer rate must meet the following milestones:
- Oct. 7, 2021 – BOD approval to publish NOPR
- Oct. 15, 2021 – Publish NOPR with 30-day comment period

  Nov. 15, 2021
- Nov. 15, 2021 – Public comment closes
- Nov. 18, 2021 – Present comments to EQ&OPS Committee
- Nov. 18, 2021 – EQ&OPS approves final proposal to amend discharge standard and sewer use requirements regulations
- Nov. 30, 2021 – Post responses to comments on DC Water website
- Dec. 2, 2021 – BOD approval to publish NOFR
- Dec. 17, 2021 – Publish NOFR, request jurisdictions adopt regulations, and notify EPA to proceed with their public comment period

9

Action Item:

Amend 21 DCMR § 1501 Discharge standards and non-wastewater flows requirements.

Proposed amendments to incorporate revisions to DC Water's local limits approved by EPA Region III.

Chapter 15, DISCHARGES TO WASTEWATER SYSTEM, of Title 21 DCMR, WATER AND SANITATION, is amended as follows:

1. Paragraph (c) (2) and k, Subsection 1501.4 are amended to read as follows:

1501.4 Specific Prohibitions: No User shall introduce the following pollutants into the District's wastewater system:

(c) Solid or viscous substances in amounts which may cause, or contribute to obstruction of the flow in a sewer or otherwise interfere with the operation of the District's wastewater system, including, but not limited to:

(1) Substances which may solidify or become viscous at temperatures above thirty-two degrees Fahrenheit (32° F) or zero degrees Centigrade (0° C);

(2) Solids have any linear dimensions greater than one-half inch (1/2 in.);

(k) Unless DC Water specifically authorizes any substance including, but not limited to:

(1) Septic tank sludge;

(2) Restaurant grease;

(3) Waste from a fuel service station;

(4) Waste from a marine or mobile vehicle holding tank; and

(5) Waste from a portable toilet;

2. Paragraph (a), Table I, and paragraph (b), Subsection 1501.8 are amended to read as follows:

1501.8 The following shall apply to discharges into the wastewater system:

(a) No User shall discharge into the wastewater system arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium, silver, zinc, cyanide, oil and grease (petroleum), or Polychlorinated Biphenyls (PCBs) in

concentrations greater than those listed in Table I of this subsection unless authorized in writing by DC Water in a Wastewater Discharge Permit;

TABLE I

SUBSTANCE	DAILY MAXIMUM CONCENTRATION, mg/L
Arsenic (T)	0.20
Cadmium (T)	0.10
Copper (T)	2.3
Lead (T)	1.0
Mercury (T)	0.035
Molybdenum (T)	0.19
Nickel (T)	3.4
Selenium	0.25
Silver (T)	1.2
Zinc (T)	3.4
Cyanide (T)	0.31
Oil and Grease (petroleum)	100
PCBs (T)(1)	Non-detect

(T) - Total

(1) - Total PCBs shall be measured using an EPA-approved Method in 40 CFR Part 136 with a reporting limit of at least one thousandth milligram per liter (0.001 mg/L).

(b) Industrial Users may be required to monitor other pollutants, including, but not limited to, chromium, total toxic organics (TTO), and any other pollutants as required by DC Water;

(c) For purposes of this subsection, "daily maximum concentration" shall be determined using grab samples for pH, cyanide, total phenols, oil and grease, sulfide, and volatile organic compounds. For all other pollutants, the daily maximum concentration shall be determined using twenty-four (24) hour flow-proportional composite samples collected over the daily operation, unless time-proportional composite or other composite sampling or grab sampling is representative of the discharge and is authorized by DC Water in accordance with § 1507.6; and

3. Subsection 1501.9 is amended to read as follows:

1501.9 Where an Industrial User continuously measures the pH of a wastewater discharge and either voluntarily or pursuant to a requirement in a permit, the Industrial User shall maintain the pH of such wastewater within the range set forth in the permit, except excursions from the range are authorized subject to the following limitations:

(a) No excursion below five (5.0) or above twelve (12.0) is authorized;

(b) The total time during which the pH values are outside the permitted range of pH values shall not exceed seven (7) hours and twenty-six (26) minutes in any calendar month; and

(c) No individual excursion from the permitted range of pH values shall exceed sixty (60) minutes.

4. Subsections 1501.14, 15, and 16 is amended to read as follows:

1501.14 [RESERVED]

1501.15 [RESERVED]

1501.16 The following shall apply to discharges of non-wastewater flows to the District's wastewater system:

(a) All uncontaminated non-wastewater flows that do not result from an industrial process, including all storm waters (including snow melt), surface waters, ground waters, subsurface drainage (including foundation, footing, and under drainage), roof drainage, irrigation waters, diverted stream flows, or spring waters shall not be discharged to sewers specifically designated as sanitary sewers;

(b) Whenever DC Water determines that a User is discharging uncontaminated non-wastewater flows to a sewer specifically designated as sanitary sewer, DC Water shall notify the User and require such discharge to be connected to the storm sewer system or natural outlet at the expense of the User, in accordance with District laws and regulations;

(c) For permanent connections, if there is no separate storm sewer within one hundred feet (100 ft.) of the property line of a residential property or two hundred fifty feet (250 ft.) of a commercial property, the uncontaminated non-wastewater flows may be discharged to the combined sewer system, if authorized in writing by DC Water through approval of a District of Columbia Department of Consumer and Regulatory Affairs (DCRA) Construction Permit; and

(d) Where combined sewers are provided, DC Water may authorize the discharge of storm water to the combined sewer system provided that:

(1) Where a DCRA Construction Permit is required, the post-development peak storm water discharge to the combined sewer for the twenty-four (24) hour two (2) and fifteen (15)-year frequency

storm events shall be equal to or less than the peak discharge for the predevelopment condition; and

(2) The provisions of subparagraph (d)(1) shall not apply to:

(A) Additions, or modifications to existing single family residential structures, detached garages, sheds, swimming pools or similar improvement; and

(B) Construction or grading operations or both that do not disturb more than five thousand square feet (5,000 sq. ft.) of land area, unless such construction or grading operation is part of an approved subdivision plan;

(e) A User may petition the General Manager to reconsider DC Water's determination that their uncontaminated non-wastewater flows are discharging to a sewer specifically designated as sanitary sewer, by notifying the General Manager in writing no later than fifteen (15) days after the date of the notice issued pursuant to § 1501.16(b). The petition shall include all documents and data in support of the petition;

(f) Upon receipt of the petition for reconsideration, the General Manager shall investigate DC Water's determination, review the supporting documentation provided, and notify the User of the results of the determinations of the General Manager; and

(g) A User may appeal the determinations of the General Manager by filing a petition for an administrative hearing within fifteen (15) days of the date of receipt of the notice issued pursuant to § 1501.16(f). This petition shall be filed in accordance with the requirements set forth in § 1519 and 21 DCMR § 412.

1501.17 All Industrial Users shall comply with National pretreatment regulations in 40 C.F.R. Part 403 and the applicable National Categorical Pretreatment Standards set forth in 40 C.F.R. Chapter I, Subchapter N, Parts 405 through 471.

1501.18 When wastewater subject to a Categorical Pretreatment Standard is mixed with wastewater not regulated by the same Categorical Pretreatment Standard, DC Water shall impose an alternate limit in accordance with 40 C.F.R. § 403.6(e).

5. Paragraph 1509.5(a) is amened to conform to proposed amendments to 1501.14 to read as follows:

1509.5 The TDA Permit may be issued under the following conditions:

(a) The discharge consists entirely of treated or untreated non-wastewater flows

or other approved wastewater discharges and is being discharged to the combined sewer system or consists of contaminated non-wastewater flows or approved wastewater discharges to the sanitary sewer system in conformance to § 1501.16(a);

6. Section 1501.99 is amended the definition for the phrase "non-wastewater flows" to read as follows:

Non-wastewater flows – discharges that do not result from an industrial process, which include storm waters (including snow melt), surface waters, ground waters, subsurface drainage (including foundation, footing, and under drainage), roof drainage, irrigation waters, diverted stream flows, and spring waters.

Comments on these proposed rules should be submitted in writing no later than thirty (30) days after the date of publication of this notice in the D.C. Register to Linda R. Manley, Secretary to the Board, District of Columbia Water and Sewer Authority, 1385 Canal Street, S.E., Washington, D.C. 20003, by email to Lmanley@dcwater.com, or by FAX at (202) 787-2795. Copies of these proposed rules may be obtained from DC Water at the same address or by contacting Ms. Manley at (202) 787-2332.

District of Columbia Water and Sewer Authority

Capital Improvement Program Report

FY-2021 3rd Quarter
April 1st through June 30th, 2021

Board of Directors
Environmental Quality and Operations Committee

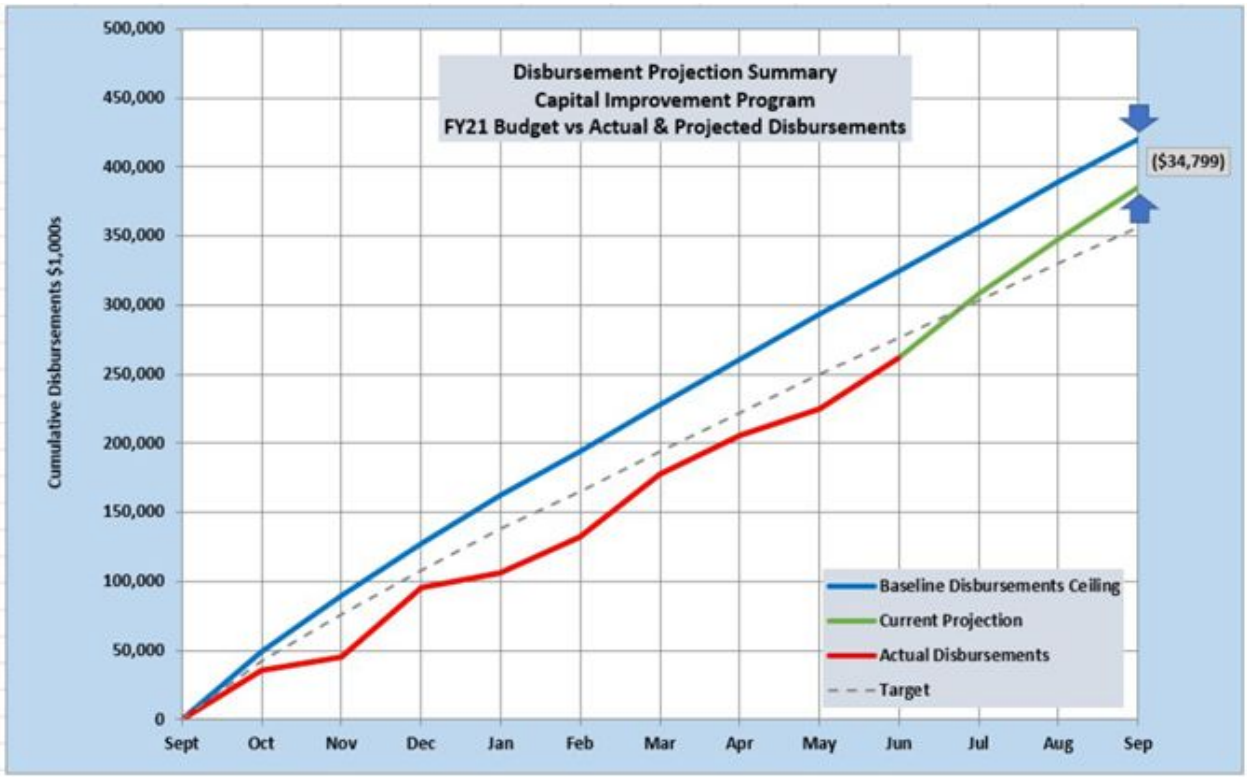
David L. Gadis, CEO and General Manager
Kishia L. Powell, Chief Operating Officer

September 2021

CIP Disbursement Performance

Current projected program disbursements through the end of the fiscal year compared with the proposed FY21 baseline budget ceiling are shown in the chart below:

Disbursement Summary



Current projected fiscal year 2021 CIP disbursements are $384,874,000 through the end of September 2021, which is on track to not exceed the approved baseline disbursement projection of $419,673,000.

Current disbursement projections within the service areas are as follows:

Non-Process Facilities

Baseline Disbursements	$38,002,000
Projected Disbursements	$24,819,000 ($13.2 below baseline projection)

Significant project variances are listed below:

- *Facility Land Use Program Area:*
  - The forecast disbursements for Project HH Main & O Redevelopment Efforts (Formerly New Fleet Management Facility) are $8.5M under the baseline due permitting delays for the Fleet Facility.

Wastewater Treatment Service Area
Baseline Disbursements $78,993,000
Projected Disbursements $85,238,000 ($6.2 above baseline projection)

Significant project variances are listed below:

- *Solids Processing Program Area – ($5.0M above baseline)*
  - The forecast disbursements for Project BX - Gravity Thickener Upgrades Phase II are $3.4M above the baseline due to work currently progressing slightly ahead of the forecast baseline schedule; additionally, an invoice anticipated to be paid in September was paid in October.
  - The forecast disbursements for Project AM - Solids Processing Program Management are $2.4M above the baseline due to invoices anticipated to be paid in September being paid in October and a re-adjustment of the remaining spending forecast.
- *Liquid Processing Program Area – ($0.9M below baseline)*
  - Project IZ - Replace Influent Screens is projected $1.9M under for FY21 due to delays in installation of new screen equipment.
- *Plantwide Program Area – ($1.1M above baseline)*
  - The disbursements for Project AL - Plantwide Project Program Management, are $1.7M over the baseline due to invoices anticipated to be paid in September paid in October and a re-adjustment of the remaining spending forecast.
- *Nitrogen Removal Program area – ($1.1M above baseline)*
  - The disbursements for Project LM - ENR Program Management are $1.1M above baseline due to an invoice anticipated to be paid in September that was paid in October.

For clarity, the Combined Sewer Overflow (CSO) Service Area comments are addressed separately by the CSO and DC Clean Rivers Program Areas:

CSO Program Area
Baseline Disbursements $5,403,000
Projected Disbursements $3,459,000 ($2.0M below baseline projection)

Significant project variances are listed below:

- The disbursements for Project FQ – Main & O Pump Stations Intermediate Upgrades are $1.1M below the baseline. This work is associated with Miscellaneous Contract 7, which is proceeding later than expected.

DC Clean Rivers Program Area
Baseline Disbursements $165,434,000
Actual Disbursements $159,677,000 ($5.8M below baseline projection)

There are no significant project variances currently projected over the fiscal year.

Stormwater Service Area
Baseline Disbursements $5,936,000
Projected Disbursements $3,617,000 ($2.3M below baseline projection)

Significant project variances are listed below:

- *Storm Pumping Facilities Program Area – ($2.7M below baseline)*
  - The disbursements for Project NG - Storm Pump Stations Rehabilitation are $2.0M below the baseline due to the Kenilworth DDOT construction contract procurement being delayed. Additionally, 1st and D Street pump station work was rescheduled to allow for higher priority work (Inflatable Dams) to proceed.

Sanitary Sewer Service Area
Baseline Disbursements $50,538,000
Projected Disbursements $37,769,000 ($12.8M below baseline projection)

Significant project variances are listed below:

- *Interceptor/ Trunk Force Sewers Program Area ($9.3M below baseline)*
  - The disbursements for Project LZ – Potomac Interceptor Projects – Rehab Phase II are $4.0 M below the baseline due to an extended schedule for the Concept Finalization Report and National Environmental Policy Act requirements and design for Clara Barton Parkway.
  - The disbursements for Project RA – Major Sewer Assessment and Heavy Cleaning 1 are $1.9M below the baseline due to postponed procurements to alleviate spending concerns due to Covid.
  - The disbursements for Project RD – Major Sewer Rehab 2 are $1.2M below the baseline. This project will now be executed in partnership with DOEE and other agencies to create a holistic improvement to Oxon Run, the sewers, the adjacent park land, and other infrastructure. As such, our schedule will be adjusted to follow DDOE's plan for bidding and executing this work, which is later than we previously planned.
- *Sanitary Program Management Program Area ($3.1M below baseline)*
  - The disbursements for Project AU – Sanitary Sewer Program Management are $2.1 M below baseline due to transition to the new Program Management Agreement.

Water Service Area
Baseline Disbursements $75,367,000
Projected Disbursements $70,294,000 ($5.1M below baseline projection)

Significant project variances are listed below:

- *Water Distribution System Program ($12.0M below baseline projection)*
  - The disbursements for Project F1 - Small Diameter Water Main Rehab 13 are $1.6M below the forecast partially due to cost savings from transfer of paving to a Pepco project.
  - The disbursements for Project GR - Small Diameter Water Main Rehab 15 are $1.9M below baseline due to Oregon Avenue DDOT activity as payment depends on DDOT schedule.
  - The disbursements for Project FT – Water Main Rehab Phase 2 are $3.4M below baseline due to delaying the schedule to coordinate with the Clean Rivers project.
  - The disbursements for Project HX - Small Diameter Water Main Rehab 16 are $3.4M below baseline due to Florida Avenue DDOT activity as payment depends on DDOT schedule.

- *Water Lead-free DC Program Area ($2.9M above baseline projection)*
  - The disbursements for Project BW – Lead Free DC Project – are $2.9M above the baseline due to the higher-than-expected participation by homeowners to replace their lead services under the voluntary program.

- *Water Ongoing Program Area ($3.8M above baseline projection)*
  - The disbursements for Project JA- FY2020 - DWS Water Projects are $2.0M over due to higher than anticipated water main break work. This is within the limits of forecasting accuracy for this program area as the number and size of emergency work is difficult to predict year-on-year.

Priority 1 Projects (Court Ordered, Stipulated Agreements, etc.)

All priority 1 projects are on schedule and within budget.

Significant Contract Actions Anticipated – 6 Month Look-Ahead

Project	Name	Contract Type	Joint Use?	Cost Range	Committee	BOD
F200	Constitution Avenue Small Diameter Watermain	Construction	No	$10M-$15M	EQ & Ops Oct	Nov
GR00	Small Diameter Watermain Rehab 15A	Construction	No	$10M-$15M	EQ & Ops Oct	Nov
Various	Construction Management BOA (DCFA-506)	Construction Management	Yes	$5M-$10M	EQ & Ops Nov	Dec
DZ00	Rock Creek Project B Green Infrastructure	Design/Build	No	$15M-$25M	EQ & Ops Nov	Dec
Various	Water Main As-Builts – 2 Contracts	Design	No	$5M-$15M	EQ & Ops Dec	Jan
GR00	Small Diameter Watermain Rehab 15B	Construction	No	$10M-$15M	EQ & Ops Dec	Jan
Various	Construction Management BOA (DCFA-514)	Construction Management	Yes	$5M-$10M	EQ & Ops Jan	Feb
Various	Water and Sewer Assessment Support Services	Construction	Yes	$5M-$15M	EQ & Ops Feb	Mar
GR00	Small Diameter Watermain Rehab 15D	Construction	No	$10M-$15M	EQ & Ops Feb	Mar

Capital Improvement Program Report
3rd Quarter FY2021

Schedule - Key Performance Indicators
Capital Improvement Program

Summary:
For the 3rd Quarter, the Key Performance Indicators (KPIs) completed this period were achieved within 90 days or earlier of their target date, except as noted.

#	Performance
17	KPIs completed within threshold
0	KPIs completed outside threshold
17	Total KPIs completed to date
33	Total KPIs due this year

Reasons for any KPIs not meeting the 90-day threshold this period:
Job LZ07 delays due to change in field conditions and need for Land Water Conservation Fund permits.
Job DE04 in process of negotiating a Change Order with contractor for resolution of issue at Colonial Village, NW which will extend contract time.
Job IL06 scope is being modified to incorporate all new requirements of National Park Service/National Environmental Policy Act that came into effect since the original design in 2018.

The table below provides a detailed breakdown of each KPI due date grouped by Quarter:

Quarter	Job Code	Job Name	Activity Name	Due Date (Baseline)	Estimated Complete Date	Actual Complete Date	Variance (positive is early)	Met within 90 days
Q2	RC07	Major Sewer Rehab 1-5 Northeast Boundary	Design Start Milestone	1-Jan-21		22-Mar-21	-80	✓
Q2	KE01	Small Dia Water Main Rehab 18A	Design Start Milestone	28-Jan-21		9-Dec-20	50	✓
Q2	SD01	Main PS Building Modifications - Historic Restoration	KPI Design Start Milestone	29-Jan-21	29-Oct-21		-273	☐
Q2	F201	Small Diameter Water Main Repl 14A	Construction Start Milestone	2-Feb-21		1-Feb-21	1	✓
Q2	LD00	Pre-Dewatering Additional Centrifuges	Design Start Milestone	4-Feb-21		1-Mar-21	-25	✓

Capital Improvement Program Report
3rd Quarter FY2021

Quarter	Job Code	Job Name	Activity Name	Due Date (Baseline)	Estimated Complete Date	Actual Complete Date	Variance (positive is early)	Met within 90 days
Q2	KE02	Small Dia Water Main Rehab 18B	Design Start Milestone	22-Feb-21		1-Jan-21	52	✓
Q2	CZ05	CSO 025/026 Separation	Consent Decree Construction Start KPI	22-Mar-21		26-Jan-21	55	✓
Q3	SC01	Main & O Seawall Restoration (Phase 2 HQO)	KPI Design Start Milestone	31-Mar-21	29-Oct-21		-212	☐
Q3	HH02	New Sewer Services Headquarters	Construction Substantial Completion Milestone	31-May-21	30-Sep-21		-122	☐
Q3	BV01	RWWPS No. 2 Upgrades	Construction Substantial Completion Milestone	1-Apr-21		9-Mar-21	23	✓
Q3	KE03	Small Dia Water Main Rehab 18C	Design Start Milestone	3-Apr-21		8-Feb-21	54	✓
Q3	KF01	SDWM Renewal 19A	Design Start Milestone	29-Apr-21		1-Mar-21	59	✓
Q3	DE04	Small Dia Water Main Repl 12B2 (Colonial Village & Bunker Hill)	Construction Substantial Completion	30-Apr-21	31-Jul-21		-92	☐
Q3	FA03	Soldiers Home Reservoir Upgrade	Construction Substantial Completion	21-May-21	31-Jul-21		-71	☐
Q3	KF02	SDWM Renewal 19B	Design Start Milestone	30-May-21		10-May-21	20	✓
Q3	IY03	High & Low PSW Pumps Evaluation and Replacement	Construction Start Milestone	7-Jun-21	21-Jul-21		-44	☐
Q3	LZ07	PI Phase 5 Pipe Rehab between MH31 and MH30	Design-Build NTP - Phase II	13-Jun-21	15-Dec-21		-185	☐
Q4	JF03	Construction of Flood Seawall Segment C	Segment C Construction Substantial Completion Milestone	14-Jun-21		14-Jun-21	0	✓
Q4	G502	Creekbed Sewer Rehabilitation Soapstone Valley	Construction Start Milestone	1-Jul-21	1-Jul-21		0	☐
Q4	IL06	Creekbed Sewer Rehabilitation Fenwick Branch E Beach Dr & Red Bud Lane	Design Start KPI Milestone	1-Jul-21	30-Oct-21		-121	☐
Q4	FT03	Out of Service LDWM Elimination Contract 1	Design Start Milestone	10-Jul-21		10-May-21	61	✓

Capital Improvement Program Report
3rd Quarter FY2021

Quarter	Job Code	Job Name	Activity Name	Due Date (Baseline)	Estimated Complete Date	Actual Complete Date	Variance (positive is early)	Met within 90 days
Q4	F102	Small Diameter Water Main Repl 13B	Construction Substantial Completion	13-Jul-21		30-Apr-21	74	✓
Q4	F202	Small Diameter Water Main Repl 14B	Construction Start Milestone	15-Jul-21		30-Jun-21	15	✓
Q4	F101	Small Diameter Water Main Repl 13A	Construction Substantial Completion	16-Jul-21		24-Feb-21	142	✓
Q4	QS02	Local Sewer Rehab Project 5-2	Design Start Milestone	16-Jul-21		9-Apr-21	98	✓
Q4	KF03	SDWM Renewal 19C	Design Start Milestone	30-Jul-21		1-Apr-21	120	✓
Q4	EK01	Long Term Rehabilitation - Main Pump Station - Ph. 1	Concept Design Start Milestone	1-Aug-21	1-Oct-22		-426	☐
Q4	IY10	Filter Underdrain and Backwash System Upgrade (FUBS)	Design Start Milestone	2-Aug-21	3-Jan-22		-154	☐
Q4	F203	Small Diameter Water Main Repl 14C	Construction Start Milestone	10-Aug-21	12-Jul-21		29	☐
Q4	NG05	Stormwater Pump Station Rehab - 1st and D	Construction Start Milestone	9-Sep-21	3-Aug-22		-328	☐
Q4	I801	Large Valve Replacements 11R	Construction Substantial Completion	30-Sep-21	30-Sep-21		0	☐
Q4	IL10	Creekbed Sewer Rehabilitation Rock Creek Oregon Avenue	Construction Substantial Completion	30-Sep-21	30-Sep-21		0	☐
Q4	F103	Small Diameter Water Main Repl 13C	Construction Substantial Completion	30-Sep-21	30-Sep-21		0	☐

Table Key: Positive variance = Finishing earlier than baseline plan Bold = Actual Date achieved

IT Professional Services

Indefinite Delivery Indefinite Quantity (IDIQ)

EQ&OPS Meeting

IT RFP # SOL-21-10025 IT for Professional Services - Indefinite Delivery Indefinite Quantity (IDIQ)

- The Department of Information Technology (IT) has contractors supporting core IT technologies (hardware, software, telephony and network) which are used throughout DC Water.
- After an RFP process, DC Water awarded thirteen (13) Indefinite Delivery Indefinite Quantity (IDIQ) contracts to firms which were down-selected (11 of the 13 are DBE firms and 12 of 13 use DBE firms) contracts for Application Development Services.
- There is No Guarantee to Spend for the firms or the contract amount as DC Water Executive team must confirm the IT project spends coming with in this bucket.
- Actual spend is capped by the approved IT budget
- The total value for all work over the base period of three (3) years is $20,100,000.00 with two (2) option years totaling $13,400,000.00, the total amount of base plus option years is approximately $33,500,000.00.

FY22 – FY24 Key IT Professional Services Requirement

Services (Only key services listed)	Departments impacted	Short Description
IT Network, Telephones, Server and Operating system Administration resources	ALL	DC water use a mix of employees and contractors to support all the IT infrastructure needs. Vendors will provide resources in the areas of IT network and infrastructure
IT Help Desk resources	ALL	These resources supports entire DC Water team through helping with their laptops, desktops, phones etc. based on ticketing system
Maximo- GIS system support resources	ALL	Maximo and GIS are our key work and asset management system which needs 24X7 support. We use contractors and employees for supporting these systems.
Document management system support resources	Engineering and Operations	Construction contracts and designs, Standard Operating procedures and various enterprise documents are held in these IT systems. We need to meet OEM's criteria of certified partners for executing specific task on the environment
Database support resources	ALL	The databases are key infrastructure that needs 24X7 support. Also, in long term as DC Water moves to SaaS platforms, this service will be less and less required.
Project Management and PMO services resources	ALL	DC Water IT provides IT project management, testing and business analyst support for various departments in enterprise. The service and expertise is depending on the technology and functional area that to be implemented at various departments.
Customer billing, People and Talent, Finance related IT support resources	Customer Service	These are specific resources who are certified and having extensive experience in OEM technologies needed to maintain the mission critical applications of telephony, Automated Meter Reading software etc.

IT RFP # SOL-21-10025 IT for Professional Services - Why Contractors ?

- **Expertise requirement is short term** – As an example, a Project Manager needed for implementing Oracle Contract Management System will have specific expertise and required only during the duration (10-18 months) of implementation
- **Lack of career & technology growth** – Certain roles provide virtually no career growth and hence resources move across various companies when better opportunity comes up. Also, DC Water have more “stable” technologies which prevent future job potentials making resources to move out after some time.
- **Technology Life Cycle** – Certain technologies will not be with DC Water in long term (after 3 years or so) hence hiring contractors makes sense
- **Criticality and OEM requirements** – Software OEMs requires their certified partners to work on certain support issues. Also having a larger support group through a vendor prevents a single point of failure for mission critical applications.
- **Market Forces** – Current Greater Washington IT labor market is highly competitive with private players offer higher pay and other benefits. Hence for some technologies, going for contractors at market rate is the only option.

IT RFP # SOL-21-10025 IT for Professional Services
High Level Operational Cost Allocation

- Please note - this is high level estimation, the actual spend is determined by Executive, Finance and Budget approvals

Base Period Contract Value	$20,100,000.00
Base Contract Period	3 Years
No of Option Years	2 Years
Option Period Total Value	$13,400,000.00
Total Contract Value	$33,500,000.00
Anticipated Base Period Start Date	11-01-2021
Anticipated Base Period Completion Date	10-31-2024

IT RFP # SOL-21-10016 IT for Application Development - Indefinite Delivery Indefinite Quantity (IDIQ)

- Contract Details

Contract No: 10088, 10089, 10090, 10091, 10092, 10093, 10094, 10095, 10096, 10097, 10098, 10099 and 100100
Contractors: 22nd Century Technologies, Advanced Digital Systems, Ampcus, Inc., Layermark Inc., Networking For Future, Peak Technologies, Power Solv inc, Sankar Inc, Susan Fitzgerald and Associates, Tri Point Solutions, Vigilant Technologies, LLC, vTech Solutions and Wipro, LLC

Contractor	Certification	Contract Number
22nd Century Technologies, Inc.	DBE	10088
Advance Digital Systems, Inc.	DBE	10089
Ampcus, Inc.	DBE	10090
Layermark, Inc.	DBE	10091
Networking for Future, Inc.	DBE	10092
Peak Technology Solutions, Inc.	DBE	10093
Powersolv, Inc.	DBE	10094
Sankar, Inc.	N/A	10095
Susan Fitzgerald and Associates, Inc.	DBE	10096
Tripoint Solutions, LLC	DBE	10097
Vigilant Technologies, LLC	DBE	10098
vTech Solutions, Inc.	DBE	10099
Wipro, LLC.	N/A	10100

IT RFP # SOL-21-10025 IT for Professional Services

Questions ?

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD
IT PROFESSIONAL SERVICES
(Joint Use)

Approval to execute contract awards for IT Professional Service Indefinite Delivery Indefinite Quantity (IDIQ) contracts with thirteen (13) selected firms for the Three (3) Base Years plus Two (2) Option Years in the total amount of 33,500,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUB:	PARTCIPATION:
22nd Century Technologies, Inc. (DBE) 1 Executive Drive, Ste. 285 Somerset, NJ 08873	Mjetre, LLC (DBE) 16181 Black Rock Road Darnestown, MD 20874 Freealliance.com LLC (WBE) 8260 Greensboro Drive, Suite 150 McLean, VA 22102	DBE - 90% WBE – 10%
Advance Digital Systems, Inc. (DBE) 4290 Chain Bridge Road, Suite 200 Fairfax, VA 22030	Momentum, Inc. (WBE) 2120 Market Street, Ste. 100 Camp Hill, PA 17011	DBE - 90% WBE - 10%
Ampcus, Inc. (DBE) 14900 Conference Center Drive, Ste. 500 Chantilly, VA 20151	BITEGROUP (DBE) 113 West Monument Street Baltimore, MD 21201 Washington Technology Group (DBE) 8403 Colesville Road, Suite 1100 Silver Spring, MD 20910	DBE -100%
Layermark, Inc. (DBE) 1050 Connecticut Ave NW, Ste. 500, Office 5044 Washington, DC 20036	Abstract Evolutions LLC (DBE) 20 F ST NW, 7th floor Washington DC 20001 KenDBTech LLC (DBE) 22313 Broadway Ave Clarksburg, MD 20871 SilTek Inc. (WBE) 13454 Sunrise Valley Dr., Ste 250 Herndon, VA 20171 Enlightmeds Technology Solutions (DBE) 3436 10th Pl SE Washington, DC 20032	DBE - 90% WBE - 10%
Networking for Future, Inc. (DBE) 1331 Pennsylvania Ave NW, Ste 1210 Washington, DC 20004	Peak Technology Solutions, Inc. (DBE) 1627 K Street NW, Suite 400 Washington, DC 20006 Client Software Services LLC (DBE) 101 Lake Forest Blvd. Suite 360 Gaithersburg, MD 20877	DBE - 100%
Peak Technology Solutions, Inc. (DBE) 1627 K Street NW, Suite 400 Washington, DC 20006	Cominfo, Inc. (WBE) 15305 Comus Court Woodbridge, VA 22193	DBE - 90% WBE - 10%

Powersolv, Inc. (DBE) 1801 Robert Fulton Drive, Suite 550 Reston, VA 20191	Compass Solutions, LLC (DBE) 1401 K Street NW Suite 802 Washington DC 20005 BizTech Fusion, LLC (DBE) 7206 Breckenridge St. Laurel, MD 20707 Momentum Inc (WBE) 2120 Market Street, Ste. 100 Camp Hill, PA 17011	DBE - 90% WBE - 10%
Sankar, Inc. 7407 Merrimac Lane Maple Grove, MN 55311	LynkBlox Technologies LLC (DBE) 43175 Amberleigh Farm Drive Ashburn, VA 20148	DBE - 50%
Susan Fitzgerald and Assoc, Inc. (WBE) 2238 48th Street, NW Washington, DC 20007	Accurate Conceptions, LLC (DBE) 19 O Street, SW Washington, DC 20024 Diversified Systems, Inc (DBE) 700 Taylor Road, Suite 150 Gahanna, OH 43230 Enlightmeds Technology Solutions (DBE) 3436 10th Place, S.E. Washington, DC 20032 R/O Resource Solutions (WBE) 4316 Buckskin Wood Drive Ellicott City, MD 21042	DBE - 25% WBE - 75%
Tripoint Solutions, LLC (DBE) 901 N. Stuart Street, Ste. 1120 Arlington, VA 22203	Kaimetrix, LLC (N/A) 120 Dawnling Creek Drive Apex, NC 27539 KSquared Technology Consulting (WBE) 1123 Rt. 3N #133 Gambrills MD 21054 Three Dimensional Resource Planning LLC, DBA 3RP (N/A) 9316 East Raintree Drive, Suite 100 Scottsdale, AZ 85260 Optimal GEO, Inc. (N/A) 118 West Market Street Athens, AL 35611	DBE - 60% WBE – 10%
Vigilant Technologies, LLC. (DBE) 1050 Wilshire Drive, Ste. 307 Troy, MI 48084	N/A	DBE - 100%
vTech Solution, Inc. (DBE) 1100 H Street NW, Suite 750 Washington, DC 20005	Corporate Systems Resources, Inc. (WBE) 1200 G Street NW, No. 800 Washington, DC 20005 Absolute Staffing & Consulting Solutions (WBE) P.O. Box 2518 Westminster, MD 21157	DBE - 56% WBE – 44%

Wipro, LLC 2 Tower Center Blvd, Suite 2200 East Brunswick, NJ 08816	Aim Technical Group, LLC (DBE) 830 51st Street NE Washington, DC 20019 Savvy Technology Solutions (DBE) 1231B Good Hope Rd SE Washington, DC 20020 Fluxtek Solutions LLC (WBE) 7111 Harwin Drive, Suite 270 Houston, TX 77036	DBE - 30% WBE- 10%

DESCRIPTION AND PURPOSE

Base Period Contract Value:	$20,100,000.00
Base Contract Period:	3 Years
No. of Option Years:	2
Option Period Total Value:	$13,400,000.00
Total Contract Value:	$33,500,000.00
Anticipated Base Period Start Date:	11-01-2021
Anticipated Base Period Completion Date:	10-31-2024
Proposals Received:	34

Purpose of the Contract:

The Department of Information Technology requires the qualified IT Professional Service firms to provide as needed staff augmentation services. The resources to be provided in support of operating, emergency, and specialized skills in the areas below. The budget will be approved annually.

Contract Scope:

IDIQs will be executed with each of the awardees for IT professional services including Windows Administrators, GIS Administrators, SharePoint Administrators, Network Administrators, IT Security Administrators, Telephone System Administrators, ERP Support Team, Database Administrators, and IT Helpdesk Resources.

This award is for IDIQ contracts and amounts presented here are not to exceed. For the operating budget costs all funds have been identified. At this time all of the funding has not been identified for projects to be funded with the capital equipment budget. As work is identified to be performed under this contract vehicle, budget will be identified and committed before work begins.

Supplier Selection:

Procurement issued an RFP solicitation to the open market with 34% DBE and 10 % WBE utilization program goals. Thirty-four firms responded; thirteen firms were selected based upon the overall ratings to provide IT Professional Services for various projects during the contract period. The RFP contained the Capability Components upon which each firm was evaluated as follows:

Network Infrastructure	Databases
Windows/Active Directory	Infrastructure Technical Skills
Infrastructure Education and Experience	Major Systems within DC Water
Enterprise Architecture Software System	Solution Center - Help Desk Support
Supervisory Control and Data Acquisitions (SCADA) Project	

PROCUREMENT INFORMATION

Contract Type:	Fixed Hourly Rate	**Award Based On:**	Highest Ratings
Commodity:	Professional Services	**Contract Number:**	10088, 10089, 10090, 10091, 10092, 10093, 10094, 10095, 10096, 10097, 10098, 10099, 10100
Contractor Market:	Open Market with DBE and WBE Program Utilization Goals		

BUDGET INFORMATION

Funding:	Operating	**Departments:**	Information Technology
Service Area:	DC Water Wide	**Department Heads:**	Thomas Kuczynski

ESTIMATED USER SHARE INFORMATION

Joint User - Operating	Share %	Dollar Amount
District of Columbia	70.05%	$12,258,750.00
Washington Suburban Sanitary Commission	21.95%	$3,841,250.00
Fairfax County	5.15%	$901,250.00
Loudoun Water	2.54%	$444,500.00
Potomac Interceptor	0.31%	$54,250.00
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$17,500,000.00**

BUDGET INFORMATION

Funding:	Capital Equipment	**Departments:**	Information Technology
Service Area:	DC Water Wide	**Department Heads:**	Thomas Kuczynski

ESTIMATED USER SHARE INFORMATION

Joint User – IT Capital	Share %	Dollar Amount
District of Columbia	86.76%	$9,790,824.57
Washington Suburban Sanitary Commission	9.91%	$1,118,338.77
Fairfax County	1.89%	$213,285.60
Loudoun Water	1.07%	$120,748.99
Potomac Interceptor	0.37%	$41,754.32
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$11,284,952.25**

BUDGET INFORMATION

Funding:	Operating	**Departments:**	Customer Service
Service Area:	DC Water Wide	**Department Heads:**	Meisha Lorick (Acting)

ESTIMATED USER SHARE INFORMATION

Non-Joint Use - Operating	Share %	Dollar Amount
District of Columbia	100.00%	$1,003,314.00
Washington Suburban Sanitary Commission	0%	$0.00
Fairfax County	0%	$0.00
Loudoun Water	0%	$0.00
Potomac Interceptor	0%	$0.00
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$1,003,314.00**

BUDGET INFORMATION

Funding:	Operating	**Departments:**	Finance
Service Area:	DC Water Wide	**Department Heads:**	Genes Malasy

ESTIMATED USER SHARE INFORMATION

Joint Use - Operating	Share %	Dollar Amount
District of Columbia	70.05%	$1,805,141.43
Washington Suburban Sanitary Commission	21.95%	$565,636.75
Fairfax County	5.15%	$132,712.04
Loudoun Water	2.54%	$65,454.09
Potomac Interceptor	0.31%	$7,988.49
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$2,576,932.80**

BUDGET INFORMATION

Funding:	Operating	**Departments:**	Safety
Service Area:	DC Water Wide	**Department Heads:**	David Gill (Acting)

ESTIMATED USER SHARE INFORMATION

Joint Use - Operating	Share %	Dollar Amount
District of Columbia	70.05%	$392,100.39
Washington Suburban Sanitary Commission	21.95%	$122,863.72
Fairfax County	5.15%	$28,826.80
Loudoun Water	2.54%	$14,217.49
Potomac Interceptor	0.31%	$1,735.21
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$559,743.60**

BUDGET INFORMATION

Funding:	Operating	**Departments:**	Department of Pumping and Sewer Operations
Service Area:	DC Water Wide	**Department Heads:**	Kenrick St. Louis

ESTIMATED USER SHARE INFORMATION

Joint Use - Operating	Share %	Dollar Amount
District of Columbia	42.79%	$246,067.04
Washington Suburban Sanitary Commission	41.94%	$241,179.05
Fairfax County	9.83%	$56,528.14
Loudoun Water	4.85%	$27,890.28
Potomac Interceptor	0.59%	$3,392.84
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$575,057.35**

Thomas L. Kuczynski
Digitally signed by Thomas L. Kuczynski
Date: 2021.08.26 07:31:09 -04'00'

_____/_____
Thomas Kuczynski Date
VP of Information Technology

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
2021.08.27 14:07:12-04'00'

_____/_____
Dan Bae Date
VP of Procurement and Compliance

Matthew T. Brown
Digitally signed by Matthew T. Brown
Date: 2021.09.01 16:28:21 -04'00'

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

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

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT AWARD

REHABILITATION OF VARIOUS PROCESS ASSETS

(Joint Use)

Approval to award and fund a contract for the Rehabilitation of Various Process Assets in the amount of $8,000,000 for the base and four option years.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Electric Motor & Contracting Co. (EMC) 3703 Cook Blvd Chesapeake, VA 23323	M & M Electric Motor Repair, Inc. (M&M) (DBE) Integrity Cartage & Expedited, Inc. (WBE)	30% 5%

DESCRIPTION AND PURPOSE

Base Period Contract Value:	$1,600,000.00
Base Period Contract Dates:	11-01-2021 — 10-31-2022
No. of Option Years in Contract:	4
Total Option Year 1-4 Value:	$6,400,000.00
Option Year 1-4 Dates:	11-01-2022 — 10-31-2026
Total Number of Proposals	2

Purpose of the Contract:

Department of Maintenance Services (DMS) and Department of Pumping and Sewer Operations (DPSO) require the services of a qualified Contractor to provide inspections, rehabilitation or replacement services for various process assets, including the mechanical and electrical elements of the equipment. Approximately 1500 critical assets exist that require support. Relevant critical assets include pumps, motors and valves.

Contract Scope:

The contract scope covers major overhauls and rehabilitation of process assets necessary to ensure the availability of identified equipment for reliable operation. To avoid interruption in operations, the Contractor will coordinate all work, including emergency after hour services. 75% of the services on this contract are associated with DMS and 25% with DPSO.

Supplier Selection:

Two suppliers responded to an RFP for rehabilitation or replacement of various process assets. Based on the technical evaluation criteria (technical approach, qualifications, experience), one supplier was considered technically unacceptable by the evaluation team. Therefore, Electric Motor and Contracting Company, Inc. (EMC) is recommended for this contract award. EMC was rated as the most capable, cost effective highest rated supplier.

EMC and subcontractor, M&M, are currently performing the services on the various process assets across DC Water. They have proven success and expertise in performing the requirements set forth in the scope of work for over four (4) years. The COTRs are satisfied with EMC's performance.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	**Award Based On:**	Best Value
Commodity:	Maintenance Services	**Contract Number:**	10121
Contractor Market:	Open Market with Goals for DBE and WBE Participation		

BUDGET INFORMATION

Funding:	Capital Equipment	**Department:**	DMS
Project Area:	Blue Plains	**Department Head:**	Elkin Hernandez

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	44.77%	$2,686,200.00
Washington Suburban Sanitary Commission	40.24%	$2,414,400.00
Fairfax County	9.51%	$570,600.00
Loudoun Water	4.79%	$287,400.00
Other (PI)	0.69%	$41,400.00
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$6,000,000.00**

BUDGET INFORMATION

Funding:	Capital Equipment	**Department:**	DPSO
Project Area:	Other	**Department Head:**	Kenrick St. Louis

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	44.77%	$895,400.00
Washington Suburban Sanitary Commission	40.24%	$804,800.00
Fairfax County	9.51%	$190,200.00
Loudoun Water	4.79%	$95,800.00
Other (PI)	0.69%	$13,800.00
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$2,000,000.00**

Aklile Tesfaye /8/31/2021
Aklile Tesfaye Date
VP, Wastewater Operations

Sigi Sharp for Kenrick St. Louis
Kenrick St. Louis Date
VP, Pumping and Sewer Operations

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
2021.09.01 13:22:23-04'00'
Dan Bae Date
VP, Procurement and Compliance

Matthew T. Brown
Digitally signed by Matthew T. Brown
Date: 2021.09.07 17:43:52 -04'00'
Matthew T. Brown Date
CFO and EVP, Finance and Procurement

David L. Gaddis Date
CEO and General Manager

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEAR

Fire Protection Systems
(Joint Use Indirect)

This contract action is to extend option year 4 in the amount of $1,125,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
BFPE International Inc. 7512 Connelly Dr. Hanover, MD 21076	N/A	N/A

DESCRIPTION AND PURPOSE

Original Contract Value:	$199,600.00
Original Contract Date:	10-12-2016 – 10-11-2017
Number of Option Years:	4
Option Year 1 value:	$199,600.00
Option Year 1 Dates:	10-12-2017 – 10-11-2018
Option Year 2 Value:	$688,384.00
Option Year 2 Dates:	10-12-2018 – 10-11-2019
Option Year 3 Value:	$201,000.00
Option Year 3 Dates:	10-12-2019 – 10-11-2020
Modification Value:	$606,926.45
Modification Dates:	07-01-2018 – 10-11-2020
Option Year 4 Value:	$600,000.00
Option Year 4 Dates:	10-12-2020 – 10-11-2021
Option Year 4 Time Ext Value:	**$1,125,000.00**
Option Year 4 Time Ext Dates:	**10-12-2021 – 10-11-2022**

Purpose of the Contract:

To maintain and service the Fire Protection System throughout DC Water.

Contract Scope:

To provide preventative maintenance (testing, inspecting, repairs and Semi-Annual Testing of all devices) for the fire protection system in all DC Water locations. Design and construct fire alarm and suppression systems as required.

This request includes $650,000.00 for capital equipment to install voice mass notification systems for all DC Water locations, and upgrades of aged equipment in various locations in Blue Plains. Operating costs for maintenance, inspections and testing at all DC Water locations total $475,000.00, for a combined $1,125,000.00.

Spending Previous Year:

Cumulative Contract Value:	10-16-2015 to 10-11-2021: $2,495,960.45
Cumulative Contract Spending:	10-16-2015 to 08-24-2021: $2,108,540.45

Contractor's Past Performance:

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

No LSB/LSBE participation

PROCUREMENT INFORMATION

Contract Type:	Good and Services	**Award Based On:**	Highest Ratings
Commodity:	Security	**Contract Number:**	16-PR-DFM-77
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION

Funding:	Operating	**Department:**	Security
Project Area:	DC Water Wide	**Department Head:**	Ivelisse Cassas

ESTIMATED USER SHARE INFORMATION

User - Operating	Share %	Dollar Amount
District of Columbia	70.05%	$332,737.50
Washington Suburban Sanitary Commission	21.95%	$104,262.50
Fairfax County	5.15%	$24,462.50
Loudoun Water	2.54%	$12,065.00
Other (PI)	0.31%	$1,472.50
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$475,000.00**

BUDGET INFORMATION

Funding:	Capital Equipment	**Department:**	Security
Project Area:	DC Water Wide	**Department Head:**	Ivelisse Cassas

ESTIMATED USER SHARE INFORMATION

User – Capital Equipment	Share %	Dollar Amount
District of Columbia	86.76%	$563,940.00
Washington Suburban Sanitary Commission	9.91%	$64,415.00
Fairfax County	1.89%	$12,285.00
Loudoun Water	1.07%	$6,955.00
Other (PI)	0.37%	$2,405.00
TOTAL ESTIMATED DOLLAR AMOUNT	**100.00%**	**$650,000.00**

Maureen Holman Esq. /_09/01/2021_
Maureen Holman Date
VP of Shared Services

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
2021.09.01 11:36:09-04'00'
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Dan Bae Date
VP of Procurement and Compliance

Matthew T. Brown
Digitally signed by Matthew T. Brown
Date: 2021.09.07 17:40:08 -04'00'
_____/_____
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

CONSTRUCTION CONTRACT CHANGE ORDER:

Lead Service Line Replacement Contract FY20-FY22 (Non-Joint Use)

Approval to execute Change Order No. 01 for $7,000,000.00. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Anchor Construction Corporation 2254 25th Place NE Washington, DC 20018 DBE	SJ Service Hyattsville, MD DBE United Construction Services, LLC Upper Marlboro, MD WBE	32.0% 6.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	$7,289,400.00	
Value of this Change Order:	$7,000,000.00	
Cumulative CO Amount, including this CO:	$7,000,000.00	
Total Contract Value, including this CO:	$14,289,400.00	
Original Contract Time:	1095 Calendar Days	(3 Years)
Time extension, this CO:	0 Calendar Days	
Total CO contract time extension:	0 Calendar Days	
Contract Start Date (NTP):	10-01-2019	
Contract Completion Date:	09-30-2022	
Cumulative CO % of Original Contract:	96.03%	
Contract completion %:	68%	

Purpose of the Contract:
To provide Indefinite Delivery and Indefinite quantity (IDIQ) of lead service line replacements and temporary pavement restoration at various locations within the District of Columbia. The contract will also consist of providing private property side agreements and documentation. Scopes of work will be developed and issued to the contractor on a task order basis as needed by DC Water.

Original Contract Scope:
Remove and replace existing lead service linesInstall new copper service line from corporation stop to buildingInstallation of Meter Boxes, Frame and Covers.Replace Water Service lines.Installation of Curb Stop and Curb Stop Box.Private side tie-in and negotiation / coordination with homeowners.

Previous Change Order Scope:
N/A

Current Change Order Scope:
The current Lead Service Line Replacement Contract – FY20 – FY22 has seen increased demands from the District residents who wish to have their existing lead service line replaced under the Voluntary Full Lead Service Line Replacement Program (Voluntary Program). The passing of the District "Lead Bill" has also increased interest in the overall "Lead Service Line Replacement Programs"Due to the increased level of lead line replacements, the current contract ceiling will be

reached by the end of September 2021. In order to continue lead service replacements under the Voluntary Program a change order is requested to increase the contract value.A new contract will be advertised for FY23 and beyond.

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	**Award Based On:**	Lowest responsive, responsible bidder
Commodity:	Construction	**Contract Number:**	190030
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	**Department:**	Engineering and Technical Services
Service Area:	Water	**Department Head:**	Jason Hughes
Project:	BW		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	$7,000,000.00
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%**	**$7,000,000.00**

Leonard R. Benson / September 8, 2021
Leonard R. Benson — Date
SVP, CIP Project Delivery

Dan Bae / September 8, 2021
Dan Bae, VP — Date
Procurement and Compliance

Matthew T. Brown / September 8, 2021
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

CONSTRUCTION CONTRACT CHANGE ORDER:

Public Space Restoration Contract for FY18-FY21 (Non-Joint Use)

Approval to execute Change Order No. 002 for $2,500,000.00. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:		PARTICIPATION:
Capitol Paving of D.C., Inc. 2211 Channing St NE Washington, DC 20018	United Construction Services, LLC Washington, DC	DBE	32.0%
	Acorn Supply & Distributing, Inc White Marsh, MD	WBE	6.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	$21,584,324.00	
Value of this Change Order:	$2,500,000.00	
Cumulative CO Amount, including this CO:	$8,000,000.00	
Total Contract Value, including this CO:	$29,584,324.00	
Original Contract Time:	1096 Calendar Days	(3 Years)
Time extension, this CO:	0 Calendar Days	
Total CO contract time extension:	270 Calendar Days	
Contract Start Date (NTP):	04-09-2018	
Contract Completion Date:	01-04-2022	
Cumulative CO % of Original Contract:	37.06%	
Contract completion %:	79.45%	

Purpose of the Contract:
Permanent restoration of paved and non-paved surfaces in public space after the completion of repair and replacement activities by the Department of Water Services and the Department of Sewer Services.

Original Contract Scope:
Restore and/or replacement of asphalt and concrete roadways, brick and concrete sidewalks, landscaped areas, and other miscellaneous repairs that result from excavations performed in public space.

Previous Change Order Scope:
Time extension from April 8, 2021 to January 4, 2022 to ensure no lag between this contract and the next.

Current Change Order Scope:
The current Public Space Restoration Contract for FY18-FY21 which ends on January 4, 2022, has seen an increase in restoration activities due to increased level of lead service line replacements and ongoing rehabilitation activities for water and sewer.

PROCUREMENT INFORMATION

Contract Type:	Unit Price	**Award Based On:**	Lowest responsive, responsible bidder
Commodity:	Construction	**Contract Number:**	170170
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	**Department:**	Water Services
Service Area:	Water	**Department Head:**	Jason Hughes
Project:	BW, KX		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	$2,500,000.00
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%**	**$2,500,000.00**

Jason Hughes / August 16, 2021

Jason Hughes
VP, Water Operations
Date

Rudy Gonzalez / September 3, 2021

for Dan Bae, VP
Procurement and Compliance
Date

Matthew T. Brown / September 7, 2021

Matthew T. Brown
CFO and EVP
Finance and Procurement
Date

/

David L. Gadis
CEO and General Manager
Date

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

ACTION REQUESTED

ENGINEERING SERVICES:

Rock Creek Project B Green Infrastructure (Non-Joint Use)

Approval to execute an architectural and engineering services contract for $2,105,000.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Rummel, Klepper, and Kahl 100 M Street SE, Suite 950 Washington, DC 20003	CBE Eligible Amounts: Total Eligible $2,105,000.00 CBE* Total $1,104,976.52 **See Attachment A for List of firms.**	52.49%

*Based upon the Green Infrastructure (GI) Memorandum of Understanding with the District of Columbia, this contract shall utilize best efforts to maximize Certified Business Enterprise (CBE) participation, with a goal that at least 50% of the dollar amount of this contract be awarded to CBEs. No Federal funding (i.e., EPA) will be used for this contract.

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	$2,105,000.00	
Contract Time:	759 Days	(2 Years, 1 Month)
Anticipated Contract Start Date:	11/01/2021	
Anticipated Contract Completion Date:	11/30/2023	
Number of Firms Submitting Qualifications:	4	
Four Points Development, LLC		
*Gannett Fleming Engineers and Architects, P.C.		
Mimar Ponte Mellor of DC Architects & Engineers, LLC		
*Rummel, Klepper, and Kahl		
* Asterisk indicates short listed firms.	.	

Purpose of the Contract:

- To provide construction management services during construction of Rock Creek Project B Green Infrastructure Facilities in support of DC Water's Clean Rivers Project.
- This work is required by a Consent Decree.

Contract Scope:

- Provide construction management, contract administration and resident engineering and inspection services to assist DC Water's Clean Rivers Project during construction of the Rock Creek Project B Green Infrastructure Facilities.
- Green Infrastructure (GI) facilities will be constructed at multiple locations within the Combined Sewer Overflow (CSO) 049 sewershed, otherwise known as Piney Branch, within the public right-of-way. GI technologies to be implemented under the project include bioretention in street planters and permeable pavements in alleys. GI facilities under this project will not be located on federal or private lands.

Federal Grant Status:

- Construction Contract is not eligible for Federal grant funding assistance

PROCUREMENT INFORMATION

Contract Type:	Cost Plus Fixed Fee	**Award Based On:**	Highest Ranking Score
Commodity:	Professional Services	**Contract Number:**	DCFA #512-WSA
Contractor Market:	Open Market with CBE Goal		

BUDGET INFORMATION

Funding:	Capital	**Department:**	DC Clean Rivers Project
Service Area:	Combined Sewer Overflow	**Department Head:**	Carlton Ray
Project:	DZ		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	$ 2,105,000.00
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%**	**$ 2,105,000.00**

Leonard Benson

Digitally signed by Leonard Benson
Date: 2021.09.08 11:37:02 -04'00'/_____

Leonard R. Benson, SVP Date
CIP Project Delivery

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
2021.09.08 14:13:03-04'00'/_____

Dan Bae, VP Date
Procurement & Compliance

Matthew T. Brown

Digitally signed by Matthew T. Brown
Date: 2021.09.09 15:24:58 -04'00' /_____

Matthew T. Brown Date
CFO and EVP
Finance & Procurement

_____/_____

David L. Gadis Date
CEO & General Manager

DCFA #512-WSA – Engineering Services

Rock Creek Project B Green Infrastructure

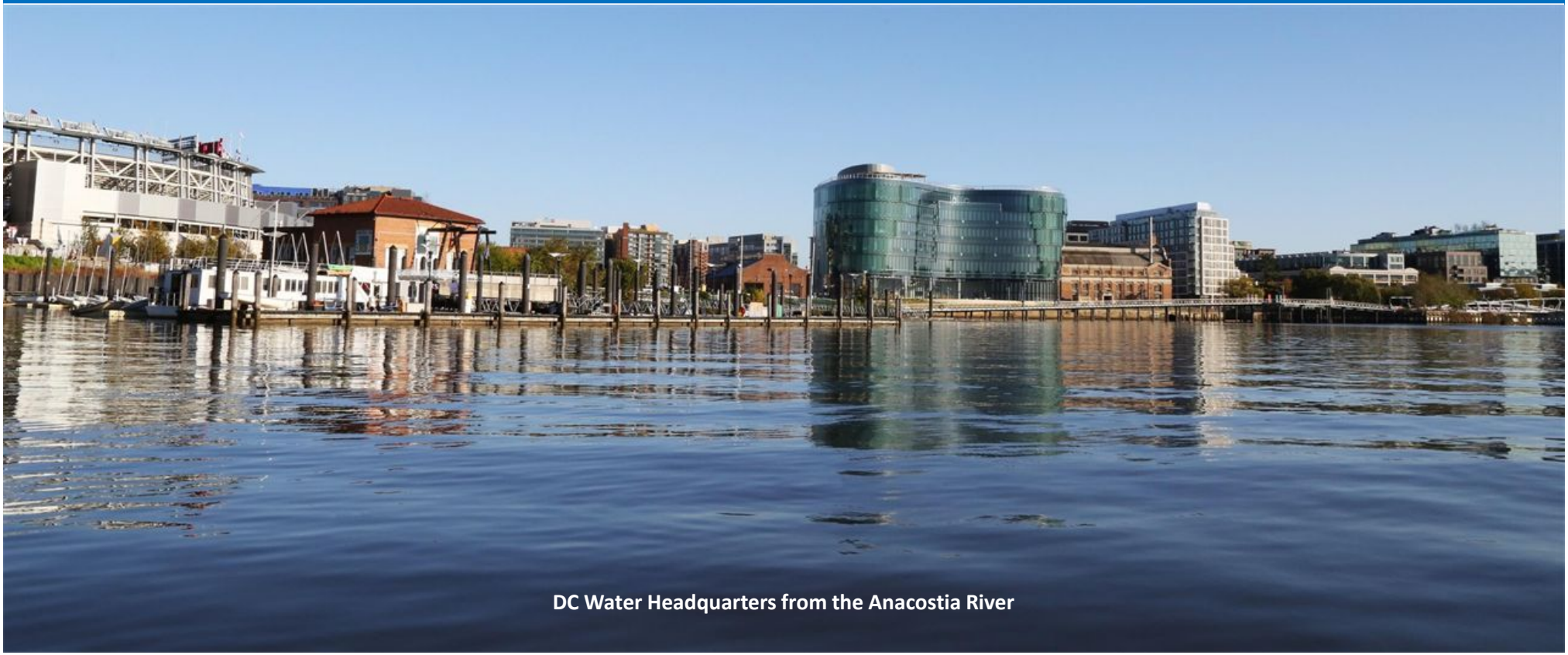
ATTACHMENT A
CBE CONSULTANT LISTING

	TYPE	PARTICIPATION:
Hayat Brown 3715 Martin Luther King, Jr. Ave SE Washington, D.C. 20032	CBE	25.13%
Cube Root 1100 H Street NW, Suite 805 Washington, DC 20005	CBE	27.36%
CBE Total	**CBE**	**52.49%**

Contractor Availability

Presentation to Environmental Quality and Operations Committee, September 16, 2021
Engineering and Procurement

District of Columbia Water and Sewer Authority



DC Water Headquarters from the Anacostia River

Purpose

- **Discuss availability of contractors for DC Water's capital improvement program**
  - **Construction and construction management work to be awarded from FY2022 through FY2026**
  - **Assessment of contractor availability to deliver for DC Water and our customers**
  - **Procurement efforts and improvements to ensure opportunity and to deliver projects**

Construction and construction management work to be awarded from FY2022 through FY2026

Presented by:

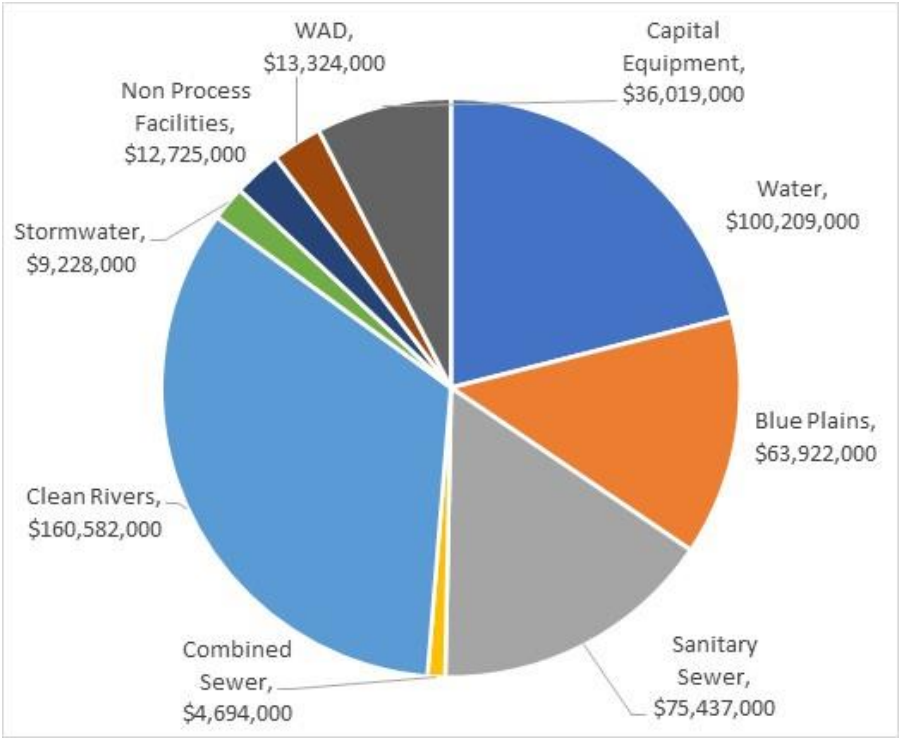
Leonard R. Benson

3

CIP Opportunities

- DC Water will spend $2.7 billion from FY2022 through FY2026 to improve infrastructure, the majority on DC Water facilities
- This presents substantial opportunities for new and enhanced partnerships with contractors

DC Water CIP, FY2022-26



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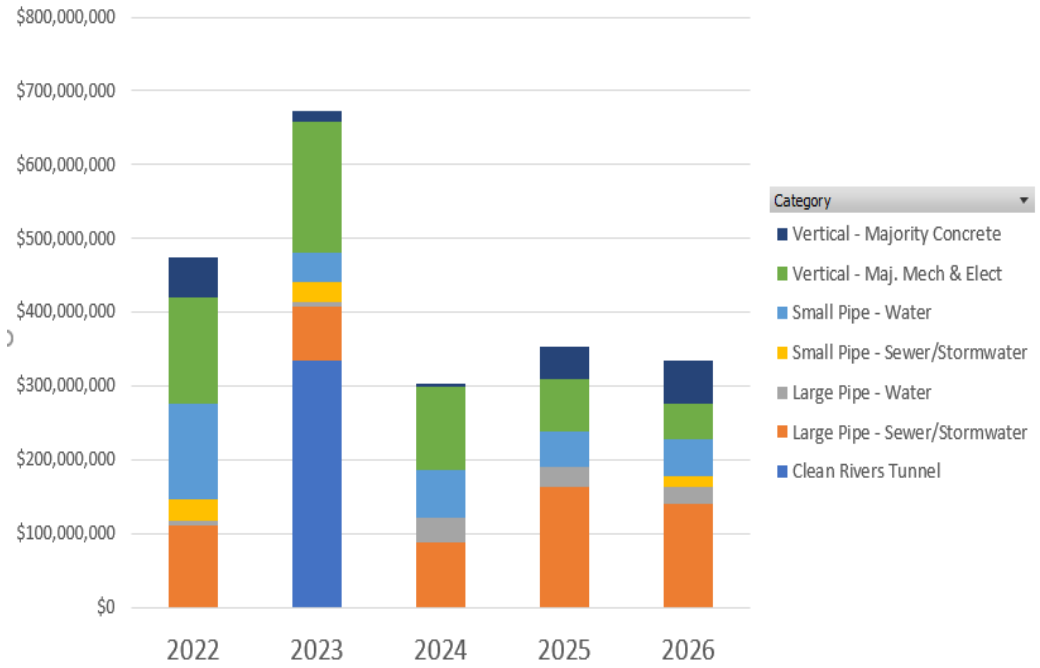
Construction Forecast - FY22 – FY26

Number and Type of Anticipated Contracts FY22 – FY26

Category	No. of Contracts	Estimated Total
Clean Rivers Potomac Tunnel	1	$333,900,000
Large Pipe - Sewer/Stormwater	42	$578,600,000
Large Pipe - Water	13	$94,400,000
Small Pipe - Sewer/Stormwater	6	$71,000,000
Small Pipe - Water	19	$335,600,000
Vertical - Majority Mech & Elect	43	$548,400,000
Vertical - Majority Concrete	12	$175,700,000
Grand Total	**136**	**$2,137,800,000**

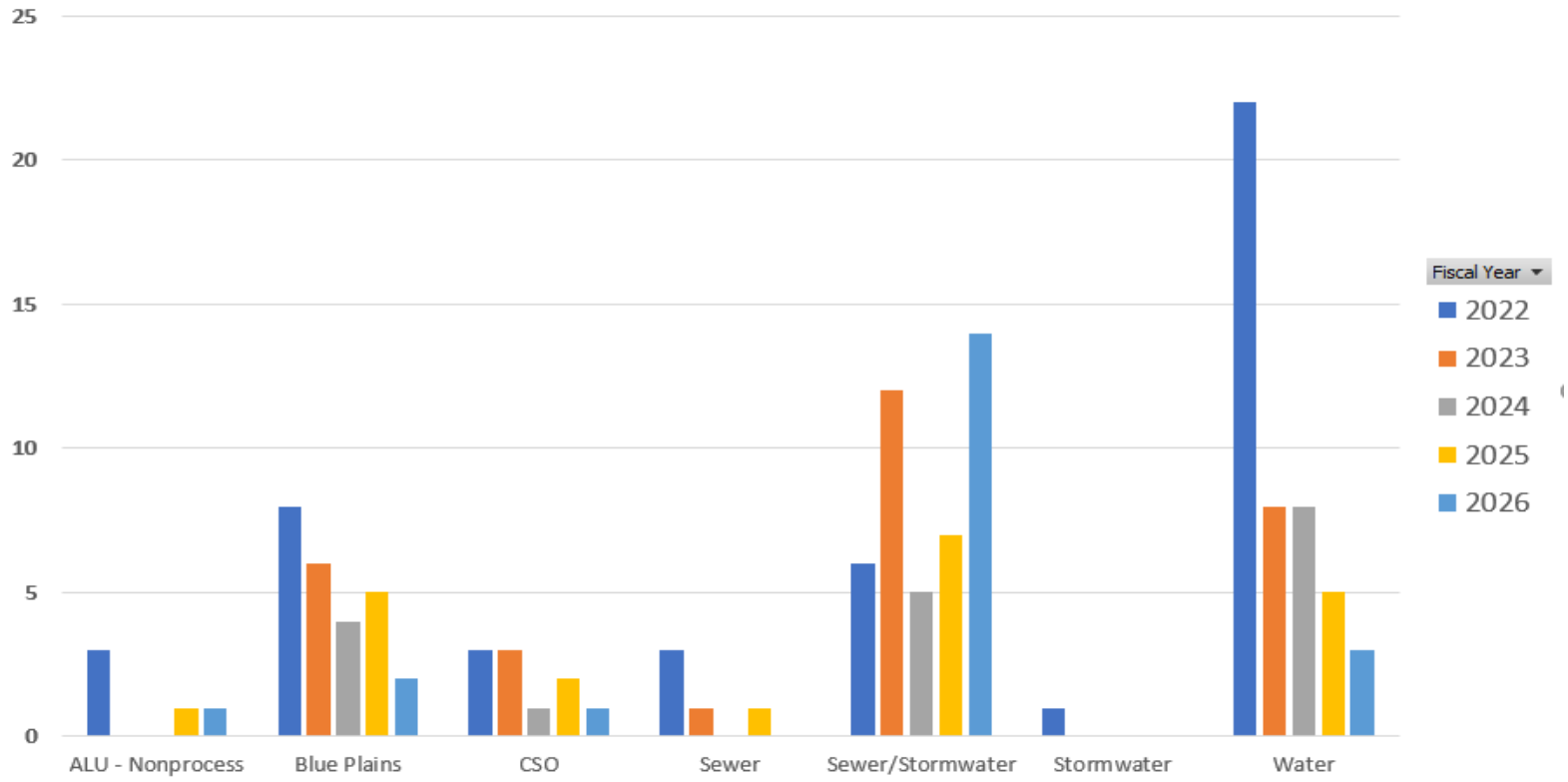


Estimated figures based on current funding – Some contracts may be Combined, and others Separated

5

Construction Forecast - FY22 – FY26

Number of Anticipated Contracts by Service Area by Year



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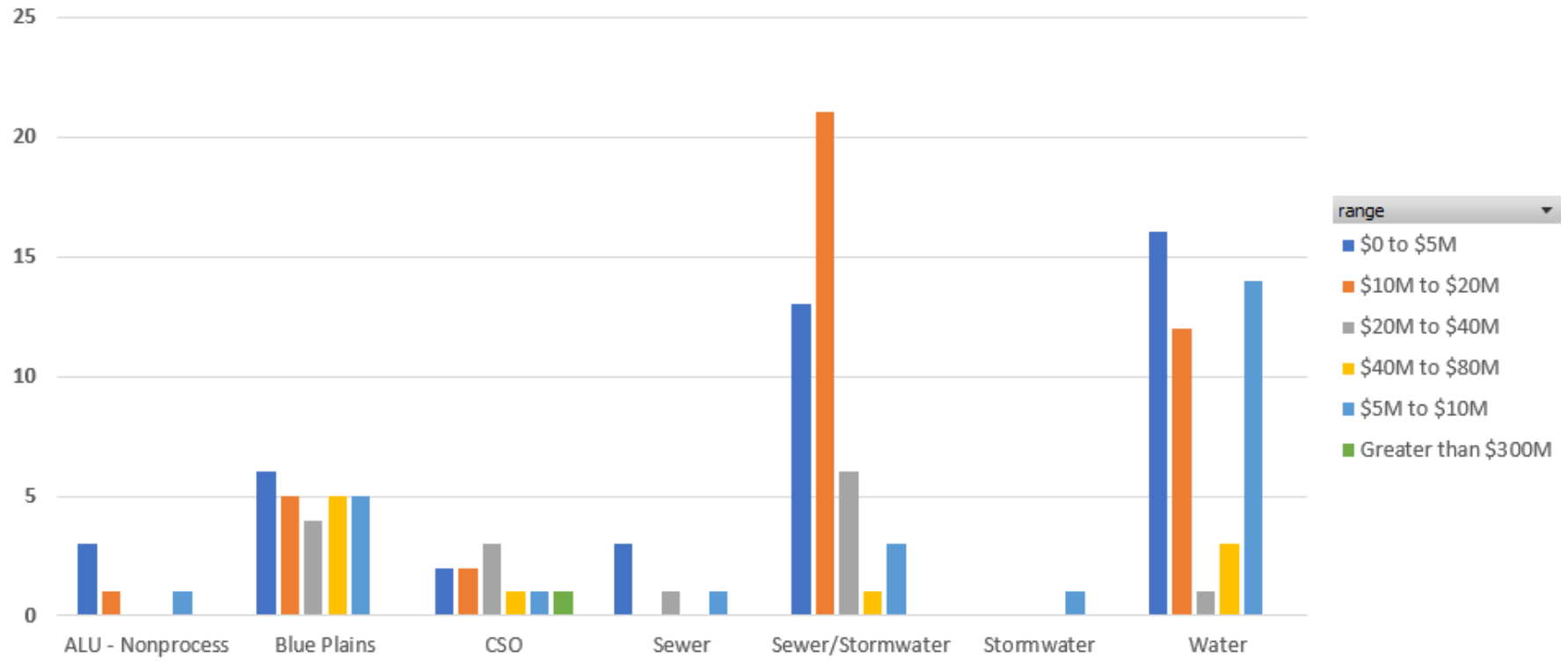
Construction Forecast - FY22 – FY26

Number of Contracts by Service area by Cost Range



7

Construction Forecast - FY22 – FY26

Disciplines and Skills required:

- **Water, Sewer and Stormwater - Linear**
  - *Large Diameter Water Mains* – Repair and rehabilitation (skills depend on material type)
  - *Small Diameter Water Mains* – Majority is open trench replacement with trenchless replacement of lead service lines. Some repair possible under IR and R contracts.
  - *Large and small Diameter Sewer and Stormwater pipes* - Lining and point repair (skills depend on pipe size and material)
- **Wastewater, Water, Sewer and Stormwater – Vertical**
  - Mechanical and Electrical rehabilitation and new installation. Electrical equipment, piping, valves and pumps
  - Process control instrumentation installation and configuration
  - Process unit concrete repair and replacement work
  - Maintenance of plant operations
- **Clean Rivers**
  - Large Diameter tunnels and installation of drop shafts and overflows (Heavy Civil Engineering)
  - Green infrastructure work – Stormwater management structures, urban greenery
  - Relocation of utilities

8

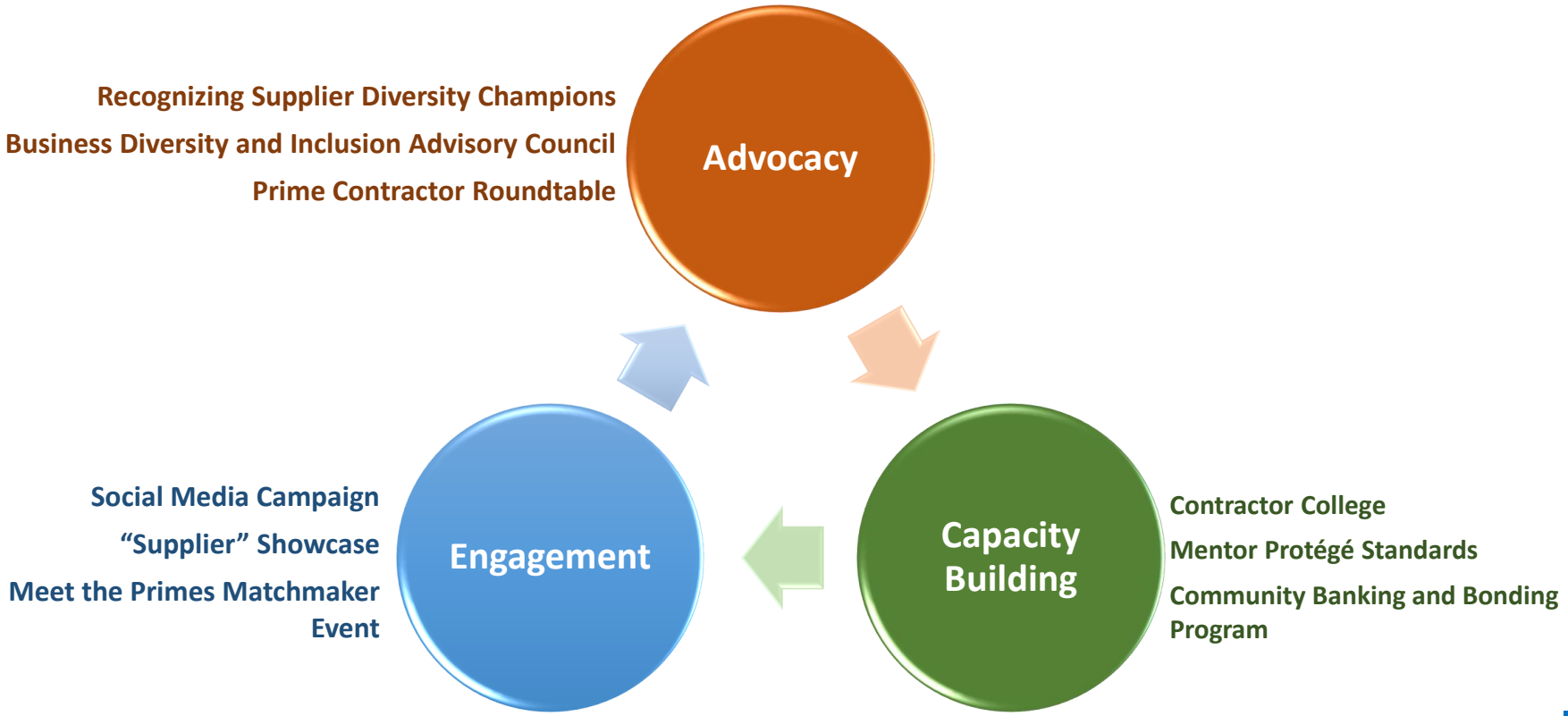
Assessment of contractor availability to deliver for DC Water and our customers

Presented by:

Korey R. Gray, Director

Business Diversity and Inclusion

Going Beyond the Goals- the Required Good Faith Efforts



10

Business Diversity and Inclusion Examples of Good Faith Efforts

❑ Working with Strategic Partners

Effectively using services of available business organizations:

- Community organizations
- Contractors' groups
- DC Water's Business Diversity and Inclusion Program
- Federal Assistance offices
- Other organizations that provide services for recruitment and placement of DBE/WBEs

Going Beyond the Goals- the Required Good Faith Efforts

❑ Identifying Portions of Work for DBEs/WBEs

- Unbundling - Break down contract into smaller economically feasible units to facilitate DBE participation
- Identify portions of the work that can be performed by subcontractors/DBEs
  - Do so even if some of this work is normally performed with Prime's own forces

❑ Effective Information Sharing

- Must provide interested firms with timely information about the plans, specifications and requirements of the subcontract
- As documentation, consider providing print screens of company's website where plans are available

11

Business Diversity and Inclusion Examples of Good Faith Efforts

Going Beyond the Goals- the Required Good Faith Efforts

Access to capital, credit, and surety bonding is key to the ability of certified firms successfully competing in the open marketplace. As a result, the following programs and standards were developed to help firms improve access to the financing tools they need to grow.

- **Training Seminars:** DC Water and its strategic partners conduct comprehensive training seminars designed to help firms understand how to build competitively viable businesses.
- **Contractor's College:** The DC Water Contractors College is a 15 week program designed to facilitate capacity building and growth for local, small and disadvantaged businesses.
- **Mentor Protégé Standards:** DC Water established mentor/protégé standards to encourage primes and large businesses to provide various forms of business development assistance to certified firms (protégés).

Assistance to DBE/WBE's

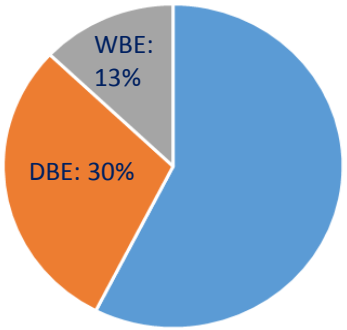
Provide documentation that Prime helped DBE with financial assistance such as:

- Bonding
- Insurance
- Lines of credit
- Payroll advances
- Joints checks
- Necessary equipment/ Supplies/ Materials

Business Diversity and Inclusion Certified Firm Utilization

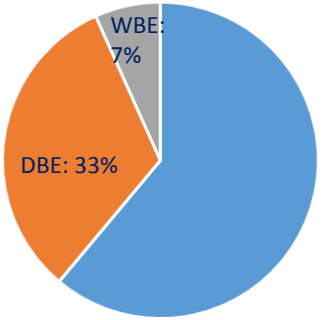
Certified Firm Achievement - How are We Doing?

FY 21 New Awards
A/E Projects



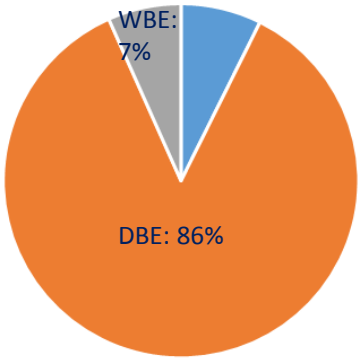
- Total Value: $23M
- Total DBE: $6.8M (14 Firms)
- Total WBE: $2.9M (4 Firms)

FY 21 New Awards
Construction Projects



- Total Value: $73M
- Total DBE: $23.5M (26 Firms)
- Total WBE: $4.9M (13 Firms)

FY 21 New Awards
Goods and Services



- Total Value: $15M
- Total DBE: $12.9MM (23 Firms)
- Total WBE: $1M (4 Firms)

FY 21 Highlights:

- All utilization goals exceeded for FY 21 new awards
- 1st Certified B/WBE Prime (A/E award)
- Over 80 certified firms participating
- 6 mentor/protégé relationships established

13

Procurement efforts and improvements to ensure opportunity and to deliver projects

Presented by:

Rudy Gonzalez

14

Capital Procurement Vision

Service	**Effective and efficient service to DC Water daily operations and capital improvement efforts**
Results	**Positive economic results to our Community and Ratepayers through transparent, inclusive and equitable procurement methods**
Participation	**Increase participation at all levels of our contracting process by removing barriers to entry for new and existing vendors**
Relationships	**Actively manage relationships with our contractor and consultant community to make DC Water their "Customer of Choice"**
High Performance	**Establish a world class water utility Procurement Organization**

15

Capital Procurement Strategy

- Adopt industry best practice in strategic sourcing
- Enhance market research, business development, outreach
- Enhance communication of business opportunities
- Partner with Compliance to maximize participation and workforce development.
- Remove barrier for business opportunities
  - Right-size contracts
  - Determine appropriate requirements (avoid over spec)
  - Set appropriate bonding levels
  - Limit restrictive contract language
  - Prompt payment
  - Quick processing of change orders, retention of retainage
- Utilize structured negotiations and supplier relationship management
- Streamline procurement procedures & policies
- Reduce lead times and administrative burden for solicitations and contract modifications.
- Leverage technology (Oracle ERP / e-Procurement) for increased productivity

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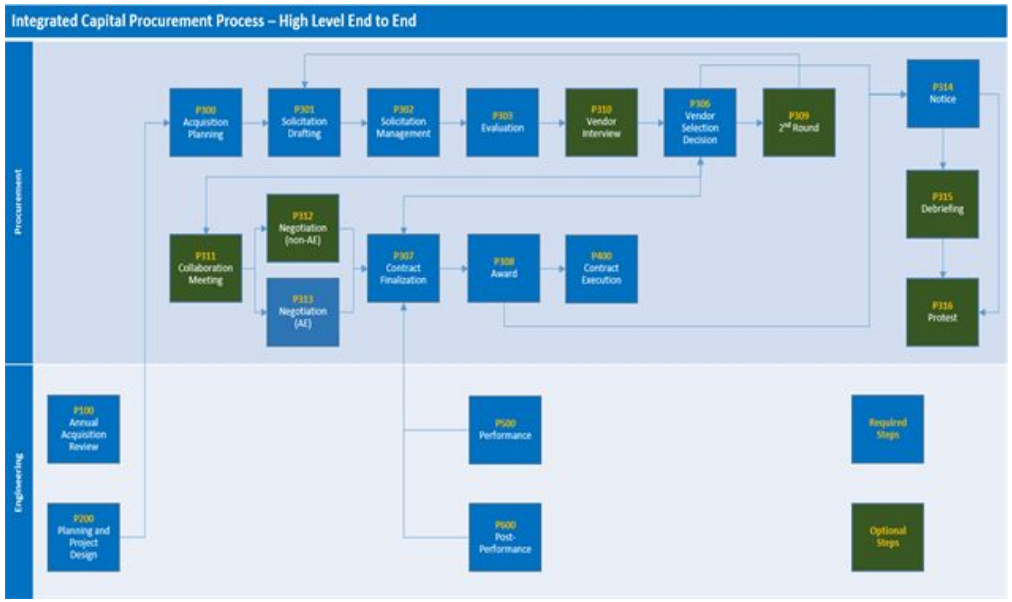
Integrated Capital Procurement

- **Adopted industry's best practice in Strategic Sourcing to fit DC Water and created an Integrated Capital Procurement process**



- **Integrated Capital Procurement process is designed to:**
  - Introduce agility, efficiency, and consistency in the procurement process
  - Enhance Integrity, Fairness, Transparency, and Competition
  - Promote business diversity and inclusion
  - Improve ease of doing business with DC Water
  - Increase contractor/vendor participation
  - Improve financial results through increased competition
- **The transition to the Integrated Capital Procurement process has started and expected to be completed by December 2021**

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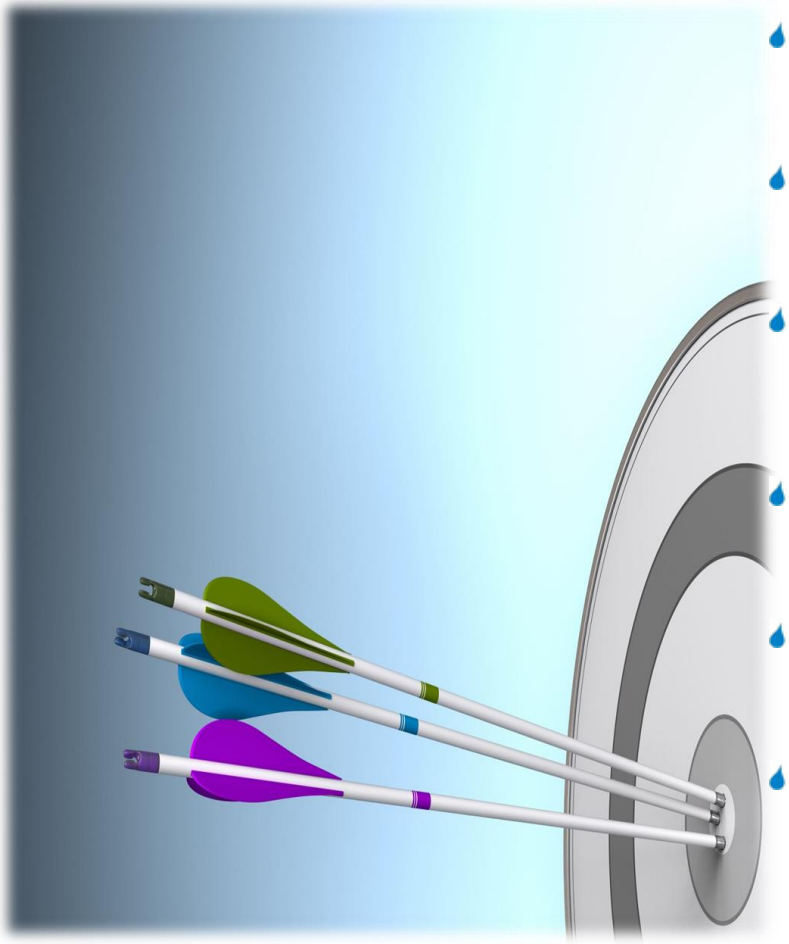
Capital Procurement Results To-Date



- **Non-Process Facilities Program Management**
  - Unbundled Contract, updated industry outreach process, solicited vendor feedback
  - Increased participation & awarded contracts to WBE/MBE local firm
- **IRR Emergency Sewer Main**
  - Cross-functional DC Water team developed RFP strategy and structured negotiations
  - Increased participation, awarded contract to a new Contractor, saved $1.79 Million
- **Public Space Restoration**
  - Strategic Sourcing Team developed RFP strategy, unbundled contract, reduced bonding requirements, conducted extensive outreach, and implemented vendor feedback
  - Published a multiple-award (3 contracts) and registered multiple new contractors
- **Linear Design BOA**
  - Changed from single award to multiple award (2 Contracts) engaged in extensive outreach
  - Increased participation and received 15 proposals
- **Sewer Services BOA**
  - Negotiated labor rates and profit markups
  - Reduced fees equivalent to $1.9MM over the life of the contract
- **Water & Sewer Construction Management BOA**
  - Changed from single award to multiple award (2 Contracts) engaged in extensive outreach
  - Increased participation and received 8 proposals including 2 DBE/WBE firms

Moving Forward

- Identify skills needed for capital improvement program
- Provide opportunities for firms to grow and compete
  - Business Diversity and Inclusion Advisory Council
- Complete capital procurement transition

Status Report of Public Fire Hydrants for DC Water Services Committee - September 7, 2021

	June Cmte. Report (June 05, 2021)	July Cmte. Report (July 06, 2021)	August Cmte. Report (August 02, 2021)	September Cmte. Report (Sept. 07,2021)
Public Fire Hydrants:	9,810	9,810	9,810	9,810
In Service:	9,755	9,751	9,751	9,751
Marked Out-of-Service (OOS)	55	55	59	59
OOS - defective requiring repair/replacement	30	35	35	26
% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)	**0.31%**	**0.36%**	**0.36%**	**0.27%**
OOS - due to inaccessibility or temp construction work	25	24	24	33

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 September 7, 2021 59

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	1	2	0	1	3	7
Needs Valve Investigation for Low Flow/Pressure or Shut Test for Replacement	0	0	0	0	0	0	6	6
Needs Replacement	0	1	1	1	1	0	9	13
Defective								**26**

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	10	1	0	1	0	0	14	26
Construction* - OOS	0	0	0	0	0	1	2	3
Obstructed Hydrant – OOS hydrant due to operation impeded by an obstruction.	0	0	0	0	0	0	4	4
Others								**33**

**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.*

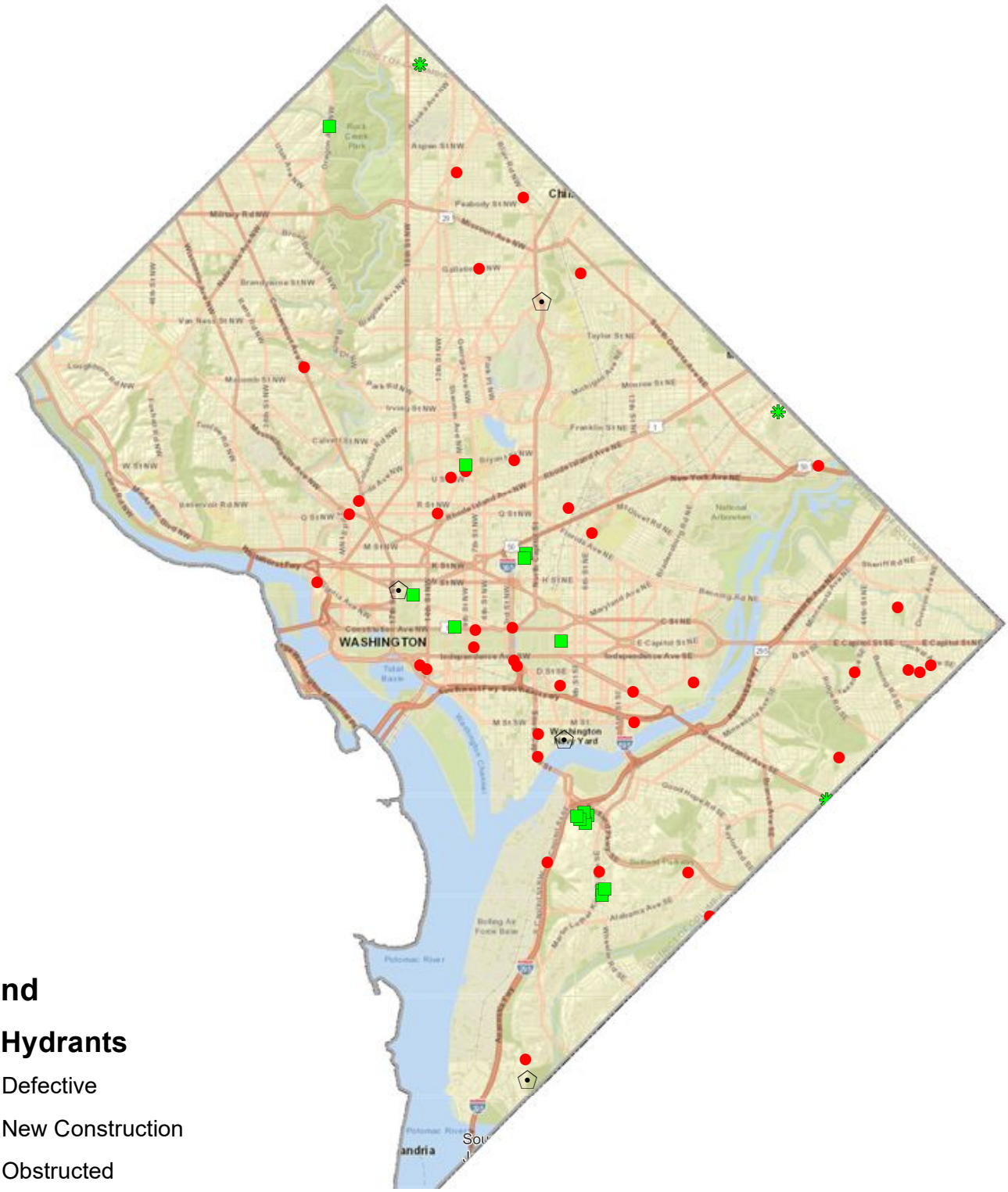
Status of Private Fire Hydrants-Based on FEMS Inspection Reporting

Private Hydrants: 1,294

- **In Service: 1,159**
- **Out-of-Service (OOS): 135**

Map of Public Out-of-Service Hydrants

September 07, 2021



Legend

OOS Hydrants

- Defective
- New Construction
- Obstructed
- Temporary

Status Report for EPA Drinking Water Regulated Monitoring
September 9, 2021

Total Coliform Rule Update

DC Water collected 255 samples in August 2021 and two were positive for total coliform (0.8%). All repeat samples were negative.

Lead and Copper Rule Update

DC Water distributed 100 sample kits to customers in July and August, receiving 43 valid compliance samples. 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

	2nd Semester 2021	
	1st Draw	2nd Draw
90th Percentile, ppb	2.7	23
Number of Samples	25	25
Number of Samples > 15 ppb	1	3

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
5510 Kansas Ave NW	Full Lead Service Line	25.7	25.9	509	152
1408 DECATUR ST NW	Full Lead Service Line	11.6	23.0	60	386
6611 1st St NW	Full Lead Service Line	1.5	35.9	49	194