



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

Meeting of the
Environmental Quality and Operations Committee

**Thursday, February 18, 2021
9:30 a.m.**

Microsoft Teams

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Or call in (audio only)

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Phone Conference ID: 846 571 480#

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.	CIP Quarterly Update	Paul Guttridge
9:55 a.m.	V.	10-Year CIP Plan FY21-FY30	Kishia Powell/ Len Benson
10:30 a.m.	VI.	Action Items	Joel Grosser/Len Benson

Joint Use

1. [Contract No.: WAS-12-063-AA-RA – Protective Services, -- Allied Universal Security Services](#)
2. [Contract No.: 18-PR-DFS-29 – Janitorial Cleaning Service, Clean Team Janitorial Service](#)
3. [Contract No.: 450 - Tunnel Dewatering Pump Station and Enhanced Clarification Facility, Arcadis District of Columbia, PC](#)
4. [Contract No.: 481 - Project Delivery Services for Sewer Service Areas, Greeley and Hansen/ O'Brien & Gere \(Joint Venture\)](#)

Non-Joint Use

1. [Contract No.: 170170 - Public Space Restoration Contract FY18-FY21, Capital Paving of D.C.](#)
2. [Contract No. N/A: MOU Contract - Pennsylvania Avenue NW Streetscape Phase 1 From 17th Street to 22nd Street, District Department of Transportation \(DDOT\)](#)

3. [Contract No.: 190040 - 66-Inch/72-Inch PCCP N Street, Anchor Construction Corporation](#)

- | | | | |
|------------|-------|---|-----------------------------------|
| 10:45 a.m. | VII. | Water Operation Updates | Marlee Franzen/Maureen Schmelling |
| | | 1. Fire Hydrants | |
| | | 2. Water Quality | |
| 10:55 a.m. | VIII. | Other Business / Emerging Issues | |
| 11:00 a.m. | IX. | Executive Session* | Adam Ortiz
Chair |
| 11:05 a.m. | X. | Adjournment | |

Follow-up Items from Prior Meetings:

1. *VP, DC Clean Rivers: Schedule a virtual tour of GI Sites [Target: April 2021]*
2. *SVP, CIP Project Delivery – provide a compilation of general planning and engineering services contracts executed in 2020 as well as a status update on DC Water’s strategy to gradually bring these types of services in-house. [Target: March 2021]*
3. *SVP, CIP Project Delivery, DC Water – Provide update on the progress of the project to install solar panels on Blue Plains roof tops. [Target: March 2021]*

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 – January 2021

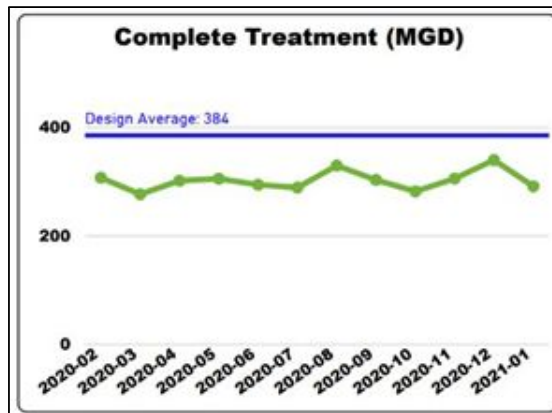
<p>Accomplishments & Priorities</p>	<p>Reduction on contractors saves money and builds ownership. The OMAP (Operations and Maintenance Assistance Program) contract is a legacy contract that has supplemented the O&M departments through 30 years of major CIP projects replacing over 20,000 assets. In 2018 Salil Kharkar, Senior VP of Operations and Engineering, asked if our existing talented and driven team could take on the OMAP activities with the smaller replacement CIP projects moving forward. The workload was reviewed, and it was determined that the tasks could be distributed to 7 existing DCW departments. The Process Engineering Group (<i>Ryu Suzuki, Omar Jadouo, and Miguel Miranda</i>) coordinate the review of shop drawings and start-up activities with operations and maintenance. The People and Talent Department (<i>John Driver</i>) organize the training requirements and track in Cornerstone in concert with the Wastewater Group (<i>Jessica Simmons, Chanda Albrittain</i>). The Asset Management Group (<i>Theresa Bruton, Kibanou Bodjona, David Gisborn, James Clarke</i>) manage the assets in Maximo, track the service manuals for maintenance plans, track part sourcing, and created the SOPs. The Procurement Department (<i>Scott Perry, Shanna Pitt</i>), specifically the Warehouse, source the spare parts from the contractor. The Wastewater Engineering Department (<i>Aaron Montgomery</i>) coordinates the document management and filing in Livelink. The Department of Maintenance Services (Sam Wahba, Laura Knox, Ron Martin, Brian Fitzhugh, Damian McAllister, Robert Rotunno and Ratnadeep Karnik) put together the maintenance strategies (preventative and predictive maintenance plans) for all the new equipment.</p> <p>This internal effort has provided a higher level of communication for each project (Gravity Thickener Upgrade, Multimedia Filter Influent Pump Upgrade and the High Priority Contract), more accurate information at a faster rate while breaking down silos and saving money. The estimated savings for the OMAP contract is approximately \$1 million per year from the Wastewater Engineering Dept budget.</p>
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Operational Performance

Blue Plains Complete Treatment Performance: The plant performance for the month of January 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 290 MGD. There was no treated captured combined flow directed to Outfall 001 from the Wet Weather Treatment Facility (WWTF).

Monthly Average Influent Flow Trend to Complete Treatment (MGD)



Operational Performance

Wet Weather Treatment Facility (WWTF) Performance: In January 2021, a total of 56 million gallons (MG) of combined wet weather flow, captured in the tunnel system, was treated through the WWTF. There was no measured overflow to the river, recorded during this month.

Wet Weather Treatment Facility (WWTF) Performance

	January 2021 (Draft)	Calendar Year 2021 (Through January)
Total Precipitation, inches (DCA gauge)	1.93	1.93
Total Volume Captured in the Anacostia Tunnel, MG	56	56
Measured Overflow, MG	0	0
Percent Captured**	100%	100%
Screenings and Grit Capture, tons	337	337

Note

*Based on preliminary data.

**Expected Capture ~80%

Class A Biosolids Production: In January, biosolids hauling averaged 380 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.

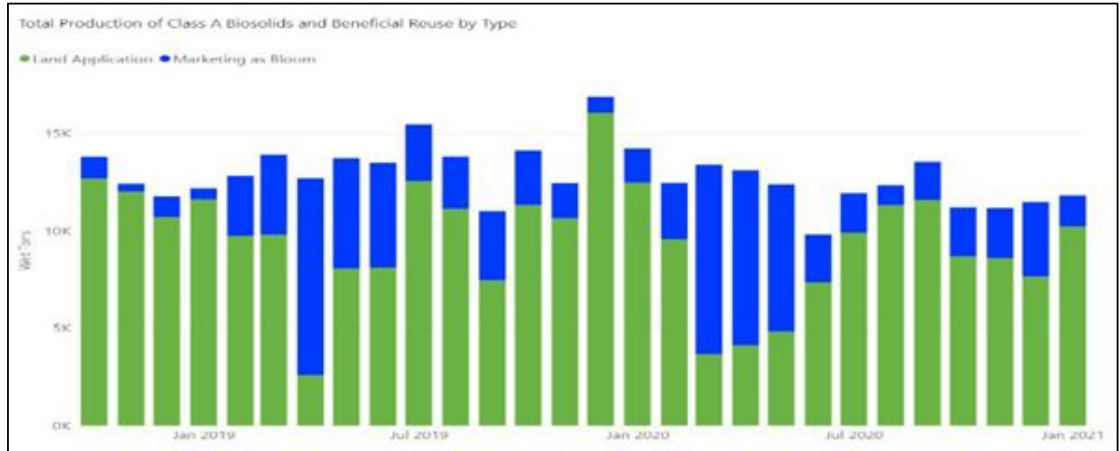
*Most Probable Number (MPN) per gram measures statistical probability of number of organisms

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 January, Blue Drop sold approximately 1,590 wet tons of Bloom. The remaining 10, wet tons not sold into the market were land applied through DC Water (through Blue Drop) and WSSC contracts.

Operational

Performance

**Tons of Class A Biosolids Produced - October 2019 to January 2021
Marketed as Bloom (blue) and Land Applied (green)**



Progress Report

Water Quality & Pretreatment

- ✓ Pretreatment staff reviewed semi-annual compliance monitoring reports from all Significant Industrial Users* this month and initiated completion of the annual pretreatment program report to EPA.
- ✓ Staff conducted specialized sampling for NPDES compliance including effluent sampling for bimonthly metals and low-level PCB.
- ✓ The following new or renewed wastewater discharge permits were issued: five Temporary Discharge Authorization permits**, and three Waste Hauler permits***.

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 Plant, 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.

Progress Report

of Columbia.

Research and Development: In research focused on settling characteristics of biological solids, the R&D team published an article in Water Research entitled “Towards more predictive clarification models via experimental determination of flocculent settling coefficient value”. This work shows the changes and dynamics of flocculation properties and how they impact clarifier performance and effluent quality, using a settling metric called “threshold of flocculation”. This work is important to DC Water because flocculation is sensitive and can significantly vary in high-rate biological treatment processes such as the one at Blue Plains. Linking this characteristic with operating conditions in the secondary treatment reactors will allow adjustments to be made to achieve more reliable secondary effluent quality, and eventually increased capacity within the existing treatment basins.

**District of Columbia
Water and Sewer Authority
Capital Improvement Program
Report**



**FY-2021 1st Quarter
October 1st through December 31st, 2020**

**Board of Directors
Environmental Quality and Operations Committee**

**David L. Gadis CEO
Leonard R. Benson, Senior Vice President CIP Project Delivery**

February 2021

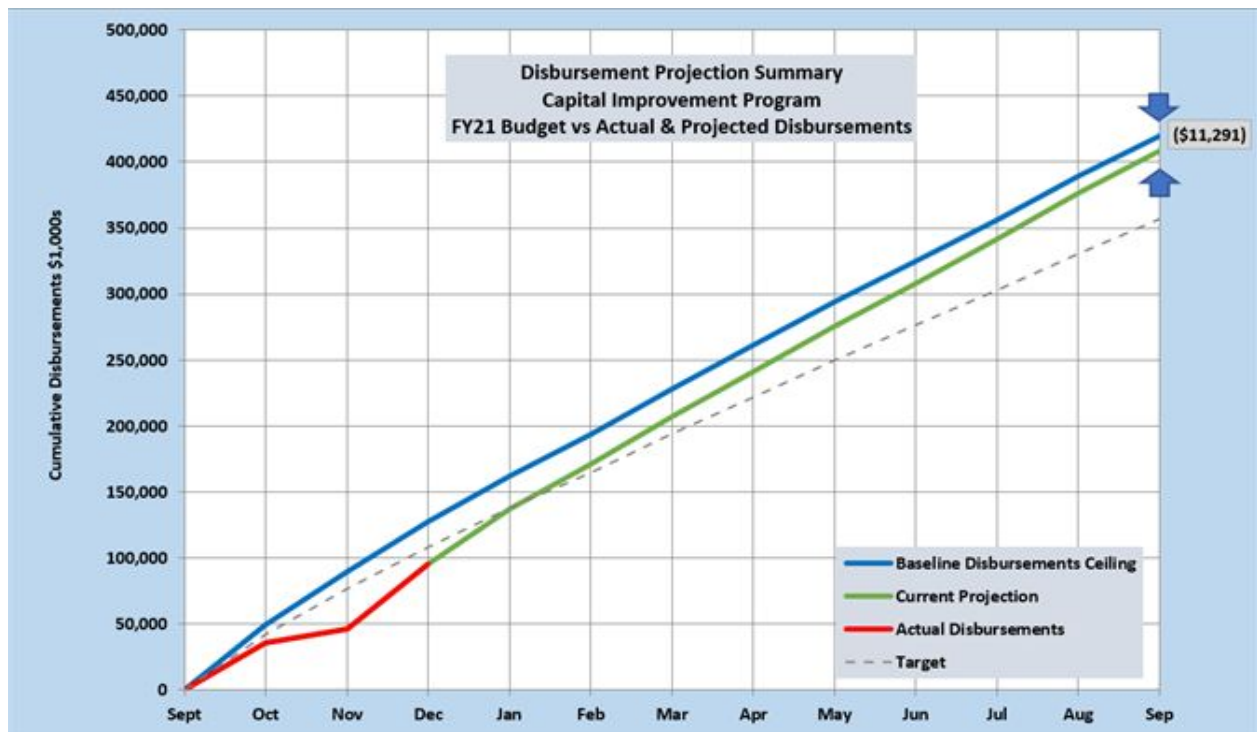


Capital Improvement Program Report 1st Quarter FY2021

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 \$408,382,000 through the end of September 2021, which is on track to meet the proposed baseline disbursement projection of \$419,673,000 (Note: this is below last year’s FY21 Approved Budget of \$454,118,000).

Current disbursement projections within the service areas are as follows:

Non-Process Facilities

Baseline Disbursements	\$38,002,000
Projected Disbursements	\$33,058,000 (\$4.94M below baseline projection)

Significant project variances are listed below:

- *Facility Land Use Program Area:*



Capital Improvement Program Report 1st Quarter FY2021

- The forecast disbursements for Project HH Main & O Redevelopment Efforts (Formerly New Fleet Management Facility) The forecast disbursements for Project HH00 are \$2.4M under the baseline due permitting delays for the Fleet Facility.

Wastewater Treatment Service Area

Baseline Disbursements	\$78,993,000
Projected Disbursements	\$86,187,000 (\$7.2M above baseline projection)

Significant project variances are listed below:

- *Solids Processing Program Area – (\$3.7M above baseline)*
 - The forecast disbursements for Project BX - Gravity Thickener Upgrades Phase II are \$2.7M 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 \$1.3M 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.
- *Plantwide Program Area – (\$2.0M above baseline)*
 - The disbursements for Project AL - Plantwide Project Program Management, are \$1.8M over the baseline due to an invoice anticipated to be paid in September paid in October and a re-adjustment of the remaining spending forecast.
- *Nitrogen Removal Program area – (\$1.5M 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 and a re-adjustment of the remaining spending forecast.

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	\$4,622,000 (\$781K below baseline projection)

There are no significant project variances for this service area currently projected over the fiscal year

DC Clean Rivers Program Area

Baseline Disbursements	\$166,434,000
Actual Disbursements	\$166,434,000

There are no significant project variances for this service area currently projected over the fiscal year.



Capital Improvement Program Report 1st Quarter FY2021

Stormwater Service Area

Baseline Disbursements	\$5,936,000
Projected Disbursements	\$3,614,000 (\$2.3M below baseline projection)

Significant project variances are listed below:

- *Storm Pumping Facilities Program Area – (\$2.0 M 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.

Sanitary Sewer Service Area

Baseline Disbursements	\$50,538,000
Projected Disbursements	\$42,751,000 (\$7.8M below baseline projection)

Significant project variances for the first quarter are listed below:

- *Interceptor/ Trunk Force Sewers Program Area (\$2.7 M below baseline)*
 - The disbursements for Project LZ – Potomac Interceptor Projects – Rehab Phase II are \$1.7 M below the baseline due to an extended schedule for the CFR/NEPA and design for Clara Barton Parkway.
- *Sanitary Ongoing Projects Program Area (\$3.5 M below baseline)*
 - The disbursements for Projects LN FY2021 – DSS Sanitary Sewer Projects and JI FY2020 – DSS Sanitary Sewer Projects – \$2.8 M and \$0.7 M below the baseline respectively, due to delays with processing of POs.
- *Sanitary Program Management Program Area (\$1.2 M below baseline)*
 - The disbursements for Project AU – Sanitary Sewer Program Management are \$0.8 M below baseline due to transition to the new Program Management Agreement.

Water Service Area

Baseline Disbursements	\$75,367,000
Projected Disbursements	\$72,715,000 (\$2.7M below baseline projection)

Significant project variances for the first quarter are listed below:

- *Water Distribution System Program (\$3.2M below baseline projection)*
 - The disbursements for Project F1 - Small Diameter Water Main Rehab 13 are \$2.7M below the forecast partially due to delays in invoicing from Contractor issues with their



Capital Improvement Program Report 1st Quarter FY2021

subcontractors' documents and partially due to cost savings from transfer of paving to a Pepco project.

- *Water Ongoing Program Area (\$2.2M below baseline projection)*
 - The disbursements for Project KW - FY2021 DWS Water Project – are \$3.3M below the baseline due to delays with processing of POs.



Capital Improvement Program Report 1st Quarter FY2021

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	Small Diameter Water Main Repl. 14c	Construction	No	\$5M-\$10M	EQ & Ops Mar	Apr
F200	Small Diameter Water Main Repl. 14b	Construction	No	\$5M-\$10M	EQ & Ops Mar	Apr
IY00	Reclaimed Final Effluent Pump Station	Construction	Yes	\$5M-\$15M	EQ & Ops Apr	May
G500	Soapstone Valley Creekbed Sewer Rehab	Construction	No	\$5M-\$10M	EQ & Ops May	Jun
Multiple	Miscellaneous Facilities Upgrade 7	Construction	Yes	\$30M-\$35M	EQ & Ops May	Jun
CZ00	Potomac River Tunnel Contract A – Advanced Utility Construction	Construction	Yes	\$5M-\$15M	EQ & Ops Jun	Jul



Capital Improvement Program Report 1st Quarter FY2021

Schedule - Key Performance Indicators Capital Improvement Program

Summary:

For the 1st Quarter, all the Key Performance Indicators (KPIs) completed this period were achieved within 90 days of their target date.

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

Reasons for any KPIs not meeting the 90-day threshold this period:

N/A

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	1-Jan-21		0	<input type="checkbox"/>
Q2	KE01	Small Dia Water Main Rehab 18A	Design Start Milestone	28-Jan-21	28-Jan-21	9-Dec-20	50	<input checked="" type="checkbox"/>
Q2	SD01	Main PS Building Modifications - Historic Restoration	KPI Design Start Milestone	29-Jan-21	1-May-21		-92	<input type="checkbox"/>
Q2	F201	Small Diameter Water Main Repl 14A	Construction Start Milestone	2-Feb-21	2-Feb-21		0	<input type="checkbox"/>
Q2	LD00	Pre-Dewatering Additional Centrifuges	Design Start Milestone	4-Feb-21	4-Feb-21		0	<input type="checkbox"/>
Q2	KE02	Small Dia Water Main Rehab 18B	Design Start Milestone	22-Feb-21	22-Feb-21		0	<input type="checkbox"/>
Q2	CZ05	CSO 025/026 Separation	Consent Decree Construction Start KPI	22-Mar-21	22-Mar-21		0	<input type="checkbox"/>



Capital Improvement Program Report 1st 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
Q3	SC01	Main & O Seawall Restoration (Phase 2 HQO)	KPI Design Start Milestone	31-Mar-21	1-May-21		-31	<input type="checkbox"/>
Q3	HH02	New Sewer Services Headquarters	Construction Substantial Completion Milestone	31-May-21	31-May-21		0	<input type="checkbox"/>
Q3	BV01	RWWPS No. 2 Upgrades	Construction Substantial Completion Milestone	1-Apr-21	1-Apr-21		0	<input type="checkbox"/>
Q3	KE03	Small Dia Water Main Rehab 18C	Design Start Milestone	3-Apr-21	3-Apr-21		0	<input type="checkbox"/>
Q3	KF01	SDWM Renewal 19A	Design Start Milestone	29-Apr-21	29-Apr-21		0	<input type="checkbox"/>
Q3	DE04	Small Dia Water Main Repl 12B2 (Colonial Village & Bunker Hill)	Construction Substantial Completion	30-Apr-21	30-Apr-21		0	<input type="checkbox"/>
Q3	FA03	Soldiers Home Reservoir Upgrade	Construction Substantial Completion	21-May-21	21-May-21		0	<input type="checkbox"/>
Q3	KF02	SDWM Renewal 19B	Design Start Milestone	30-May-21	30-May-21		0	<input type="checkbox"/>
Q3	IY03	High & Low PSW Pumps Evaluation and Replacement	Construction Start Milestone	7-Jun-21	7-Jun-21		0	<input type="checkbox"/>
Q3	LZ07	PI Phase 5 Pipe Rehab between MH31 and MH30	Design-Build NTP - Phase II	13-Jun-21	13-Jun-21		0	<input type="checkbox"/>
Q4	JF03	Construction of Flood Seawall Segment C	Segment C Construction Substantial Completion Milestone	14-Jun-21	14-Jun-21		0	<input type="checkbox"/>
Q4	G502	Creekbed Sewer Rehabilitation Soapstone Valley	Construction Start Milestone	1-Jul-21	1-Jun-21		0	<input type="checkbox"/>
Q4	IL06	Creekbed Sewer Rehabilitation Fenwick Branch E Beach Dr & Red Bud Lane	Design Start KPI Milestone	1-Jul-21	1-Jul-21		0	<input type="checkbox"/>
Q4	FT03	Out of Service LDWM Elimination Contract 1	Design Start Milestone	10-Jul-21	10-Jul-21		0	<input type="checkbox"/>
Q4	F102	Small Diameter Water Main Repl 13B	Construction Substantial Completion	13-Jul-21	13-Jul-21		0	<input type="checkbox"/>
Q4	F202	Small Diameter Water Main Repl 14B	Construction Start Milestone	15-Jul-21	15-Jul-21		0	<input type="checkbox"/>



Capital Improvement Program Report 1st 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	F101	Small Diameter Water Main Repl 13A	Construction Substantial Completion	16-Jul-21	16-Jul-21		0	<input type="checkbox"/>
Q4	QS02	Local Sewer Rehab Project 5-2	Design Start Milestone	16-Jul-21	16-Jul-21		0	<input type="checkbox"/>
Q4	KF03	SDWM Renewal 19C	Design Start Milestone	30-Jul-21	30-Jul-21		0	<input type="checkbox"/>
Q4	EK01	Long Term Rehabilitation - Main Pump Station - Ph. 1	Concept Design Start Milestone	1-Aug-21	1-Aug-21		0	<input type="checkbox"/>
Q4	IY10	Filter Underdrain and Backwash System Upgrade (FUBS)	Design Start Milestone	2-Aug-21	2-Aug-21		0	<input type="checkbox"/>
Q4	F203	Small Diameter Water Main Repl 14C	Construction Start Milestone	10-Aug-21	10-Aug-21		0	<input type="checkbox"/>
Q4	NG05	Stormwater Pump Station Rehab - 1st and D	Construction Start Milestone	9-Sep-21	3-Aug-22		6	<input type="checkbox"/>
Q4	I801	Large Valve Replacements 11R	Construction Substantial Completion	30-Sep-21	30-Sep-21		0	<input type="checkbox"/>
Q4	IL10	Creekbed Sewer Rehabilitation Rock Creek Oregon Avenue	Construction Substantial Completion	30-Sep-21	30-Sep-21		0	<input type="checkbox"/>
Q4	F103	Small Diameter Water Main Repl 13C	Construction Substantial Completion	30-Sep-21	30-Sep-21		0	<input type="checkbox"/>

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



FY21-30 Proposed CIP Budget

Presentation to the Environmental Quality and Operations Committee

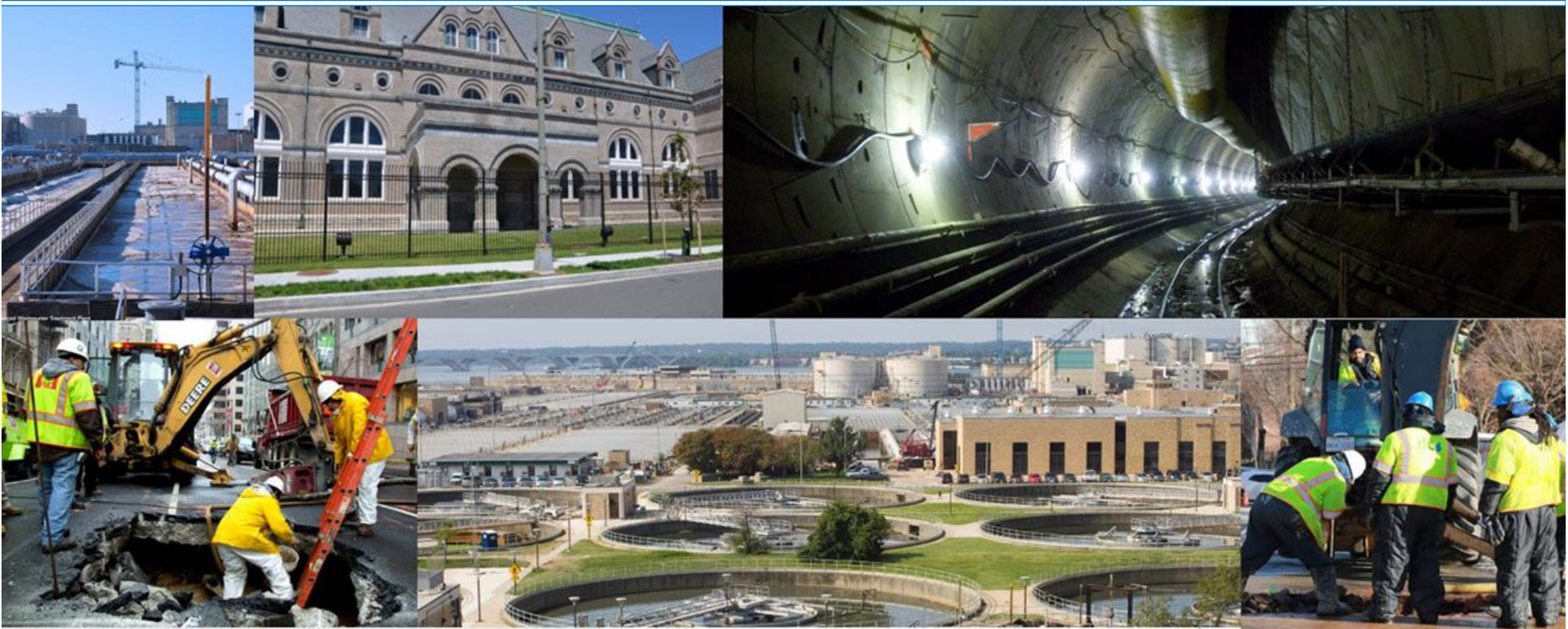
February 18, 2021

Adam Ortiz, Chair

District of Columbia Water and Sewer Authority

Kishia L. Powell, Chief Operating Officer

Leonard R. Benson, Senior Vice President CIP Project Delivery





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The CIP

The proposed 10-year disbursements (FY 2021 – FY 2030) of \$5.4 billion continues investment in our aging infrastructure

💧 Capital Construction Projects - \$4.92 billion

- \$1.03 billion fully funds the DC Clean Rivers' project to meet Consent Decree requirements
- Continues investment in the Water Service area to ramp up to the 1.5% of small diameter water mains replacement per year from FY 2028 onwards, ten-year total of \$1.15 billion in Water infrastructure
- Continues investment in the Sewer Service area (note, removed last years increase ramp up to 1.5% small sewer lines replacement from FY 2027 onwards) holds steady at total of \$1.31 billion in Sewer infrastructure
- Deferred multiple projects in the near-term to account for the COVID-19 revenue impacts while continuing with higher priority projects

💧 Additional Capital Programs - \$516.2 million

- \$336.0 million for capital equipment items to meet purchases/replacement of mechanical equipment, operational facilities, vehicle equipment, office renovations, innovation, and information technology infrastructure and systems
- \$180.1 million for DC Water's share of WAD's infrastructure improvements to achieve established service levels



10-Year Engineering CIP Options Compared

Service Area	Approved Baseline \$4.9B (FY2020-2029)	Proposed Baseline \$4.9B (FY2021-2030)	Asset Management \$5.4B (FY2019-2028)	Fully Funded \$5.8B (FY2020-2029)
Clean Rivers	Fully funded to meet Consent Decree	Fully funded to meet Consent Decree	Fully funded to meet Consent Decree	Fully funded to meet Consent Decree
Wastewater	Fully funded to meet NPDES Permit and established levels of service	Fully funded to meet NPDES Permit and established levels of service	Fully funded to meet NPDES Permit and established levels of service	Fully funded to meet NPDES Permit and established levels of service
Stormwater*	Fully funded	Fully funded	Fully funded	Fully funded
Water				
Pump Stations & Storage Facilities	Generally funded	Generally funded	Fully Funded	Fully Funded
Small Diameter Water Mains	Increased funding to ramp up to 1.5% per year replacement level from FY 2027 onwards. [16.5 mi/year]	Funded to ramp up to 1.5% per year replacement level from FY 2028 onwards. [16.5 mi/year]	Fully funded to ramp up to 2% replacement level [22 mi/year]	Fully funded to ramp up to 2% replacement level [22 mi/year]
Large Diameter Water Mains	Generally funded	Generally funded	Generally funded	Fully Funded
Sewer				
Pump Stations	Fully funded	Fully funded	Fully funded	Fully funded
Sewer Lines < 60" diameter	Increased funding to ramp up to 1.5% per year rehabilitation level from FY 2027 onwards. [26 mi/year]	Funded to ramp up to 1% per year rehabilitation level [17.5 mi/year] by FY 2024	Fully funded to ramp up to 2.3% rehabilitation level [40 mi/year]	Fully funded to ramp up to 2.3% rehabilitation level [40 mi/year]
Sewer Lines ≥ 60"	Generally Funded	Generally Funded	Generally Funded	Fully funded
Non Process	Fully funded	Fully funded	Fully funded	Fully funded

‘Generally Funded’ = What we know or expect to find can be rehabilitated ‘Underfunded’ = What we know or expect to find is not all funded
 ‘Fully Funded’ = All needs known or expected are met *Vertical Stormwater assets



COVID-19 Impact Summary

- Prioritizes projects currently under construction, including the Clean Rivers program, and those that leverage outside funding opportunities
- Overall capital disbursement budget reduced by \$36.3 million in FY 2021 and \$134.9 million in FY 2022 compared to the annual levels in last year's Board-approved Capital Improvement Program
 - Deferred some of the projects at Blue Plains, including; Effluent Filter Upgrade, Filtration/Disinfection Facilities, Biosolids Rehabilitation, Solids Processing Building, Headworks Influent Structures, Electric Power System Switch Gear Upgrade
 - Deferred some of the projects under the Water & Sewer programs including; portions of the Small Diameter Water Mains program, Small and Local Sewers, Large Diameter Water Main replacement #3, Bryant St PS Spill Header, Ft. Stanton Reservoir No. 2 Abandonment



The Capital Improvement Program

- 💧 The planned ramp-up in the approved CIP Baseline has been deferred due to COVID-19 revenue impacts. Approximately \$171 million deferred from FY 2021/2022 to FY 2023 and beyond
- 💧 The proposed lifetime budget is \$12.13 billion and covers total commitments, including labor, for active projects prior to, during, and beyond the ten-year window

\$ in 000's

	FY 2021 - FY 2030 Proposed Disbursement Plan											Last Year's CIP	(Increase)/Decrease	Lifetime Budget
	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	10-yr Total			
NON PROCESS FACILITIES	\$38,004	\$12,725	\$21,321	\$22,204	\$6,350	\$5,262	\$3,066	\$844	\$0	\$0	\$109,776	\$137,479	\$27,703	\$210,031
WASTEWATER TREATMENT	78,992	63,922	97,737	119,659	107,822	139,953	133,832	127,553	133,746	155,775	1,158,991	1,049,252	(109,739)	3,475,135
COMBINED SEWER OVERFLOW	170,842	165,276	126,598	77,962	77,216	157,621	104,808	91,414	124,593	26,645	1,122,976	1,311,366	188,390	2,979,072
STORMWATER	5,931	9,228	7,209	5,109	6,328	5,297	5,089	7,718	5,057	6,928	63,894	58,690	(5,204)	121,310
SANITARY SEWER	50,547	75,437	94,116	126,383	130,552	182,891	214,243	166,734	138,047	134,024	1,312,973	1,228,922	(84,052)	2,095,695
WATER	75,362	100,209	119,090	112,118	122,534	122,944	126,693	129,781	118,831	120,155	1,147,717	1,136,112	(11,605)	2,346,963
CAPITAL PROJECTS	419,678	426,797	466,072	463,435	450,803	613,968	587,731	524,044	520,274	443,526	4,916,327	4,921,821	5,493	11,228,206
CAPITAL EQUIPMENT	36,207	36,019	36,611	28,578	33,103	33,103	33,103	33,103	33,103	33,103	336,036	333,015	(3,021)	336,036
WASHINGTON AQUEDUCT	15,382	13,324	37,903	8,414	16,012	34,208	11,240	10,919	18,885	13,838	180,125	195,178	15,053	180,125
ADDITIONAL CAPITAL PROGRAMS	51,589	49,343	74,513	36,992	49,115	67,312	44,344	44,023	51,988	46,942	516,161	528,193	12,032	516,161
LABOR													-	388,747
TOTAL CAPITAL BUDGETS	471,267	476,140	540,585	500,427	499,918	681,280	632,075	568,067	572,262	490,468	5,432,489	5,450,013	17,524	12,133,115
Last Years CIP	507,590	611,008	531,323	438,195	461,193	580,092	589,978	628,404	650,006	-	5,450,013	5,450,013	17,524	12,390,598
(Increase)/Decrease	\$36,323	\$134,868	(\$9,262)	(\$62,232)	(\$38,725)	(\$101,188)	(\$42,096)	\$60,338	\$77,744	(\$490,468)	\$17,524	-	-	\$257,483



Prioritization of Spending – Capital Projects

Proposed Baseline CIP

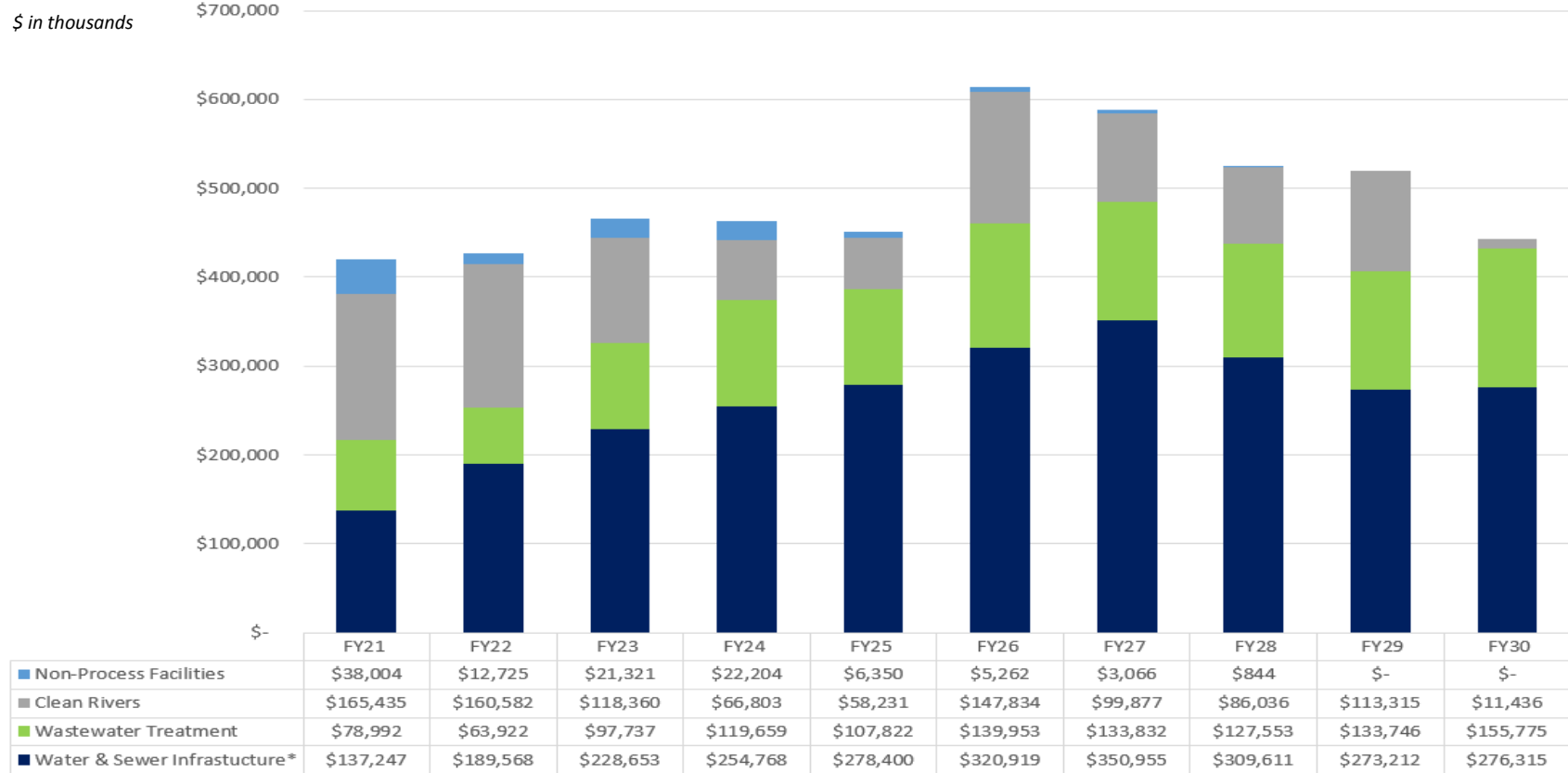


	1A		2A	2B	2C	2D	3A		3B	
	Mandates		Health & Safety	Board Policy	Potential Failure	High Profile Good Neighbor	Good Engineering High Payback		Good Engineering	
	Agreements, Regulatory standards, Court orders, Issues and Permits requirements, Stipulated Agreements, Etc.		Required to address Public Safety	Undertaken as a result of the Board's commitment to outside agencies	Related to Facilities in danger of failing, or critical to meeting permit requirements	Address Public concerns	Need to fulfill Mission and upgrade Facilities		Need to fulfill Mission and upgrade Facilities (Lower priority Projects)	(\$000's)
FY 2021	170,417	41%	5,459	76,575	26,600	1,689	78,129	19%	60,387	\$419,678
FY 2022	160,270	38%	11,398	70,078	23,517	233	101,947	24%	59,132	\$426,797
FY 2023	118,064	25%	9,690	79,481	23,081	403	126,337	27%	108,463	\$466,072
FY 2024	67,097	14%	4,969	57,844	32,044	1,488	154,699	33%	144,861	\$463,435
FY 2025	58,499	13%	7,288	67,563	38,764	902	171,962	38%	105,826	\$450,803
FY 2026	147,834	24%	22,029	60,258	44,482	-	213,879	35%	125,487	\$613,968
FY 2027	99,877	17%	25,742	61,311	40,443	61	218,848	37%	141,448	\$587,731
FY 2028	86,036	16%	9,822	63,142	23,196	202	193,864	37%	147,782	\$524,044
FY 2029	113,315	22%	1,271	68,984	19,200	215	170,638	33%	146,650	\$520,274
FY 2030	11,436	3%	3,347	69,615	28,173	2,571	160,015	36%	168,369	\$443,526
Total	\$1,032,845		\$101,015	\$674,851	\$299,500	\$7,763	\$1,590,316		\$1,208,404	\$4,916,327
% of Total	21.0%		2.1%	13.7%	6.1%	0.2%	32.3%		24.6%	

- Cash disbursements basis



10-Year CIP Engineering Capital Projects



* Includes the following Service Areas: Water; Sanitary Sewer; Stormwater; and non-Clean Rivers portion of Combined Sewer Overflow

- Cash disbursements basis



Budget Changes to the 10-Year Plan

The CIP balances financial and affordability concerns with additional investment in our assets that begin to address aging water and sewer infrastructure during this 10-year period. **Focus on largest increases and decreases.**

- **Non-Process – \$28 million decrease to 10-year**
 - \$42M decrease due to the delta between the dropped year FY 2020 and added year, FY 2030
 - \$14M increase mainly due to FY 2020 underspending moving into FY 2021
- **DCCR – \$174 million decrease to 10-year (No change to overall lifetime budget)**
 - \$151 million decrease due to the delta between the dropped year FY 2020 (\$162 million) and added year, FY 2030 (\$11 million)
 - \$23 million decrease in spending forecast due to cost adjustment from the FY 2020 planned/actual disbursement delta
- **Wastewater – \$110 million increase to 10-year**
 - \$78 million increase due to the delta between dropped year FY 2020 and added year, FY 2030
 - \$32 million increase due to budget and schedule adjustments in existing and new Projects
- **Sewer – \$84 million increase to 10-year**
 - \$89 million increase due to the delta between dropped year FY 2020 and added year, FY 2030
 - \$5 million decrease due to schedule adjustments in existing and new projects
- **Water – \$12 million increase to 10-year**
 - \$58 million increase due to the delta between dropped year FY 2020 and added year, FY 2030
 - \$46 million decrease due to schedule adjustments in existing and new projects

- Cash disbursements basis



Budget Changes to the 10-Year Plan (Cont.)

Deltas due to New, Closed and Deferred Projects

- 💧 \$96M of underspending in FY20 deferred/slipped into FY21/FY22
- 💧 8 New Projects add \$60M in the spending window (remaining is beyond FY30) and add \$222M to the Lifetime budget (see table below)
- 💧 Budget Increases, decreases and schedule changes to existing projects, account for the remaining forecast 10-yr spending delta
- 💧 26 Dropped project (projects Closed last year) reduced the Lifetime budget by \$343M
- 💧 7 Deferred projects reduced both Lifetime budget and spending by \$182M
- 💧 **Total 10-year Spending forecast reduced by \$5M (\$4.92B stays at \$4.92B)**
- 💧 **Total Lifetime budget reduced by \$225M (\$11.453B to \$11.228B)**

New Projects Added						
Service Area	Program	Project	Project Name	10-yr (FY21-30) Spending (\$)	Lifetime Budget (\$)	Period
Blue Plains	BPW	U200	Wastewater Thermal Energy	0	18,430,000	FY30-35
		V100	MFU8 - Rehabilitation and Emergency Response VIII	10,280,000	10,280,000	FY22-26
		V200	MFU9 - Rehabilitation and Emergency Response IX	10,282,000	10,280,000	FY22-27
Storm	DOG	U800	FY2030 DSS Stormwater Project	935,000	1,039,000	FY30
Sewer	SOG	U900	FY2030 DSS Sewer Sanitary Projects	15,297,000	16,997,000	FY30
Water	WDS	KN00	Small Diameter Water Main Rehab 27	338,000	107,404,500	FY28-FY34
		L900	FY2030 - DWS Water Projects	19,000,000	22,000,000	FY30
	WSM	NU00	Water Program Management Services 2H	3,433,000	35,480,000	FY30-35
Grand Total				59,565,000	221,910,500	



Major Initiatives Funded in Proposed CIP

DC Clean Rivers (\$1,028 million)

- Anacostia LTCP Projects (\$326 million)
- Potomac LTCP Projects (\$476 million)
- Rock Creek LTCP Projects (\$225 million)

Wastewater Blue Plains (\$1,159 million)

- Enhanced Nitrogen Removal Facilities (\$51 million)
- Liquid Processing (\$643 million)
- Solids Processing (\$195 million)
- Plantwide (\$269 million)

Water Program (\$1,148 million)

- Water Distribution System (\$786 million)
- Lead Free DC Program (\$58 million)
- Water Ongoing (\$154 million)
- Water Pumping Facilities (\$43 million)
- Water Storage Facilities (\$55 million)
- Water Program Management (\$52 million)

\$'s – Projected FY 2021 – FY 2030 Disbursements



T Street - Soldier Pile Installation DCCR



SDWM unlined Cast Iron pipe



Blue Plains Gravity Thickener Upgrades



Major Initiatives Funded in Proposed CIP (cont.)

Water Sewer Program (\$1,313 million)

- Sanitary Collection Sewers (\$305 million)
- Sewer Ongoing (\$139 million)
- Sanitary Pumping Facilities (\$146 million)
- Sanitary Interceptor/Trunk/Force Sewers (\$642 million)
- Sewer Program Management (\$81 million)

Water Non-Process (\$110 million)

- Main & O Redevelopment Efforts (\$36 million)
- Roof and HVAC Replacements (\$15 million)
- Historic Building Restoration (\$15 million)
- Main & O Seawall Restoration (\$12 million)
- Bryant St Pump Station Building Mods (\$16 million)
- COF/CMF Renovations (\$5 million)
- Floatable Debris Dock Replacement (\$5 million)

Water Combined Sewer Overflow (\$95 million)

- Pump Station & Facilities (\$67 million)
- Large Sewers (\$28 million)

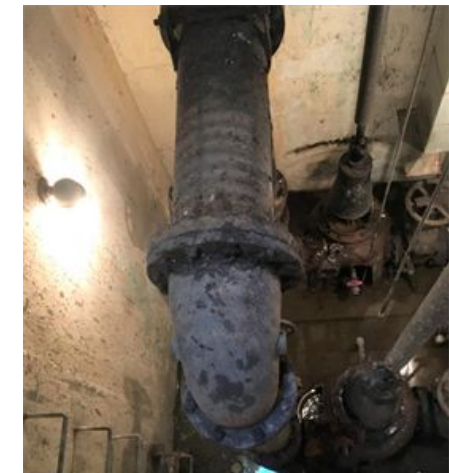
\$'s – Projected FY 2021 – FY 2030 Disbursements



Potomac Pump Station Pump 5 Impeller removal



10th St at Otis St, NE (10" VCP, deformed, broken)



12th and Maine Storm Water PS



CIP Adjustments due to COVID-19 Revenue Impacts

Consequences of COVID-19 Response on Capital Programs:

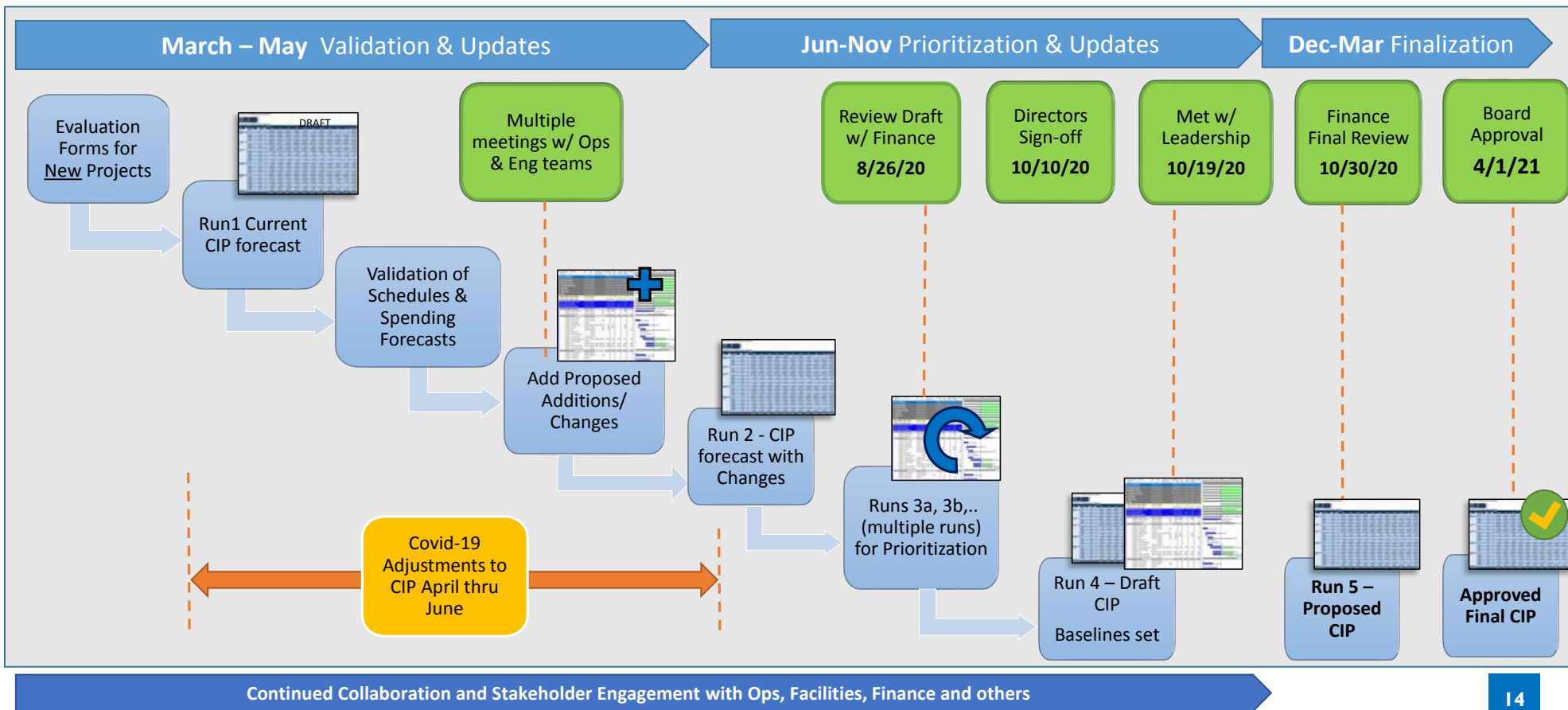
FY20 was an atypical year with budget changes required during the fiscal year. Thru April-June period the CIP schedule was re-baselined to account for anticipated near-term revenue shortfall due to COVID-19 impacts, the table below **summarizes some of the deferrals**. Overall capital disbursement budget reduced by \$36.3 million in FY 2021 and \$134.9 million in FY 2022 compared to the annual levels in last year's Board-approved Capital Improvement Program

Project / Program	Consequence	Number of Years Deferred
BC01 Headworks Influent Structures	Increased risk of asset failure	1
I302 Solar PV over Curing Pad	Delayed operational cost savings	2
TZ06 COF/IT Switchgear	Increased risk of power interruption	1
Small Diameter Water Main Program	Not meeting 1% renewal for FY21-FY22. Customer complaints due to unresolved WQ issues and increased main breaks.	
HV01 Bryant Street Pump Station – Spill Header Flow Control	Delayed operational flexibility and subsequent cost savings,	1 (6 overall)
JB03 Bryant Street Pump Station Meter Shop Roof & Other Upgrades	Increased risk of asset failure	1
Local Sewer Inspection & Rehabilitation Programs	Increased risk of asset failure, >150 miles of sewer rehab backlog	
RC01 Rehab of RCMI & Beach Drive Sewers	Increased risk of major asset failure	2
Condition assessment of high-risk major sewers	Increased risk of major asset failure	
G7 & IH Combined Sewer Rehab and Repair	Increased risk of local sewers failure	2 (5 overall)
Condition Assessment of Large Diameter Water Mains	Increased risk of asset failure. Rehab projects are delayed as a result.	



CIP Budget Cycle Overview

FY21-30 10-year Budget Cycle Plan





Proposed FY21 – FY30 CIP

(\$ in thousands)	Run 5 - FY2021-2030 (\$1,000s)											Approved Base (FY20-29)		
	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	10-yr Total	**Lifetime	Run6	10yr Delta
NON PROCESS FACILITIES														
Facility Land Use	38,004	12,725	21,321	22,204	6,350	5,262	3,066	844	-	-	109,776	210,031	137,479	(27,703)
Subtotal	38,004	12,725	21,321	22,204	6,350	5,262	3,066	844	-	-	109,776	210,031		
WASTEWATER TREATMENT														
Liquid Processing	27,817	32,187	43,326	57,315	49,011	72,645	95,707	98,920	84,012	82,419	643,359	1,250,842	574,216	69,143
Plantwide	18,011	13,638	27,701	28,147	38,830	50,636	29,432	16,268	25,231	21,468	269,362	491,232	257,826	11,536
Solids Processing	25,763	17,255	24,181	33,068	19,981	16,672	6,487	10,504	12,838	28,595	195,344	929,651	180,971	14,373
Enhanced Nitrogen Removal Facilities	7,401	842	2,529	1,129	-	-	2,206	1,861	11,665	23,293	50,926	803,410	36,239	14,687
Subtotal	78,992	63,922	97,737	119,659	107,822	139,953	133,832	127,553	133,746	155,775	1,158,991	3,475,135		109,739
COMBINED SEWER OVERFLOW														
DC Clean Rivers Program	165,435	160,582	118,360	66,803	58,231	147,834	99,877	86,036	113,315	11,436	1,027,910	2,760,365	1,202,288	(174,378)
Combined Sewer Overflow Program	5,407	4,694	8,238	11,158	18,986	9,787	4,931	5,378	11,278	15,209	95,066	218,708	84,924	10,142
Subtotal	170,842	165,276	126,598	77,962	77,216	157,621	104,808	91,414	124,593	26,645	1,122,976	2,979,072	24,154	(188,390)
STORMWATER														
Storm Local Drainage Program	-	33	188	1,511	2,773	1,191	1,792	1,970	1,709	260	11,427	18,025	11,166	261
Storm On-Going Program	649	1,315	837	866	526	875	843	1,084	1,287	935	9,217	10,788	9,069	148
Storm Pumping Facilities	5,023	7,314	5,535	1,877	2,400	2,627	2,136	4,279	1,755	5,497	38,443	62,809	33,839	4,604
Stormwater Program Management	164	429	591	653	506	604	318	385	306	236	4,192	14,179	4,003	189
Stormwater Trunk/Force Sewers	95	137	58	202	123	-	-	-	-	-	615	15,510	613	2
Subtotal	5,931	9,228	7,209	5,109	6,328	5,297	5,089	7,718	5,057	6,928	63,894	121,310		5,204
SANITARY SEWER														
Sanitary Collection System	2,914	694	16,374	29,071	33,030	58,298	64,514	37,628	30,750	32,132	305,405	512,171	370,154	(64,749)
Sanitary On-Going Projects	13,267	13,381	12,358	14,453	13,200	13,576	13,988	14,395	14,850	15,289	138,757	198,935	141,529	(2,772)
Sanitary Pumping Facilities	2,076	4,358	6,831	10,669	8,852	12,329	13,824	25,188	30,468	31,299	145,894	251,721	124,196	21,699
Sanitary Program Management	7,728	8,099	9,132	8,070	7,451	10,519	9,589	8,680	6,311	5,783	81,361	196,108	44,250	37,111
Interceptor/Trunk Force Sewers	24,562	48,905	49,421	64,121	68,019	88,169	112,328	80,843	55,668	49,521	641,557	936,759	548,794	92,763
Subtotal	50,547	75,437	94,116	126,383	130,552	182,891	214,243	166,734	138,047	134,024	1,312,973	2,095,695		84,052
WATER														
Water Distribution Systems	46,643	68,528	82,740	71,899	89,272	82,322	85,853	87,095	87,109	84,434	785,895	1,502,345	748,211	37,684
Lead Free DC Program	6,179	6,075	5,908	5,869	5,963	5,396	5,428	5,666	5,739	5,390	57,613	243,956	55,117	2,496
Water On-Going Projects	12,126	12,480	13,457	15,287	14,274	14,390	16,670	17,818	18,000	19,000	153,502	212,590	164,761	(11,259)
Water Pumping Facilities	1,328	5,045	10,281	6,736	3,947	5,814	2,395	4,495	215	2,571	42,827	72,646	43,350	(523)
DDOT Water Projects	1,016	152	13	-	-	-	-	-	-	-	1,181	33,933	1,739	(558)
Water Storage Facilities	4,521	3,056	2,498	9,565	4,724	9,333	7,967	6,841	2,611	3,602	54,718	155,760	67,662	(12,944)
Water Service Program Management	3,550	4,873	4,193	2,762	4,354	5,689	8,380	7,866	5,157	5,157	51,981	125,733	55,272	(3,291)
Subtotal	75,362	100,209	119,090	112,118	122,534	122,944	126,693	129,781	118,831	120,155	1,147,717	2,346,963		11,605
CAPITAL PROJECTS	419,678	426,797	466,072	463,435	450,803	613,968	587,731	524,044	520,274	443,526	4,916,327	11,228,206	4,921,820	(5,493)

**** Lifetime budget is the total budget, including available budget and the actual spent to date, and excluding Labor
10-yr Deltas are comparison of Approved FY20-29 to Proposed FY21-30 totals**



Proposed FY 21-30 CIP Budget

Capital Equipment and Washington Aqueduct:

- 💧 Capital Equipment – Funded at \$336 million for planned equipment to meet purchases/replacement of mechanical equipment, operational facilities, vehicle equipment, office renovations, and IT software/hardware
- 💧 Washington Aqueduct (WAD) – DC Water’s share of WAD’s capital program is \$180.1 million, a decrease of \$15.1 million



Capital Equipment

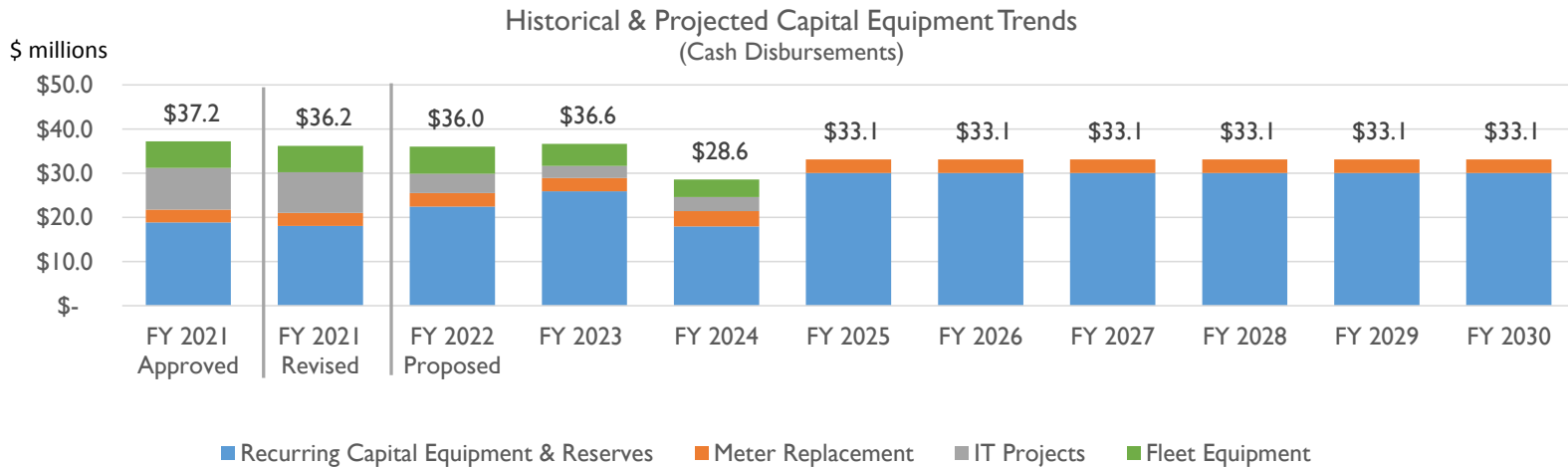


Washington Aqueduct



Capital Equipment

- The overall FY 2021 budget of \$37.2 million was reduced by \$1 million in response to the COVID-19 impacts
- Ten-year disbursements of \$336 million for capital equipment includes
 - **Recurring Capital Equipment and Reserves** – This covers the purchase/replacement of pumps, motors, HVACs, roof, renovations, laptops, computers, servers, fire hydrants and includes the Authority-wide reserves for new facilities and unplanned equipment needs
 - **Information Technology (IT) Projects** – Funds new and upgrades to various Authority-wide technology systems. Major projects in FY 2022 include enhancements to the Impervious Area System, Customer Information System, Maximo and GIS, implementation of a new Permit Application System, and completion of the Enterprise Resource Planning project, amongst other projects
 - **Fleet Equipment** – Continues increased funding in FY 2021 and FY 2022 to reduce backlog and help ensure that crews have the required equipment such as backhoes, jet-vacs, small and large dump trucks to meet operational needs





Washington Aqueduct Capital Projects

\$000's	Washington Aqueduct	DC Water's Share
FY 2021	\$21,115	\$15,382
FY 2022	\$18,289	\$13,324
FY 2023	\$52,028	\$37,903
FY 2024	\$11,549	\$8,414
FY 2025	\$21,979	\$16,012
FY 2026	\$46,957	\$34,208
FY 2027	\$15,429	\$11,240
FY 2028	\$14,989	\$10,919
FY 2029	\$25,923	\$18,885
FY 2030	\$18,995	\$13,838
Total	\$247,255	\$180,125

- 💧 **Washington Aqueduct (WAD)** – Total ten-year budget of \$247.3 million

 - Presented a risk-based asset management CIP using decision-making tools to prioritize and grade projects to achieve established service levels
 - Major projects include the Emerging Projects, North Clearwell Replacement, and Dalecarlia Back-up Power Generator
 - Budget proposal excludes the Federally Owned Water Mains, Travilah Quarry Acquisition & Outfitting and Advanced Treatment Facilities
- 💧 FY2021 and FY2022 reflect decreased budgets (DC Water's share) of \$884 thousand and \$5.2 million, respectively compared to the annual levels in last year's Board-approved Capital Improvement Program

 - WAD deferred some of the projects including: McMillan Circulating Conduit, Reservoir Oxygen Management, Transmission Mains, Residuals Processing, Maintenance Building, Georgetown Dredging, Carbon Facility Tank, Administration Building, and Dalecarlia Process System
- 💧 **DC Water's Share** – Total of \$180 million represents 73.5% of WAD's capital programs



CIP Risks/Sensitivities

Regulatory: TMDL / Consent Decree/Permitting

- E. Coli Total Maximum Daily Load (TMDL) – lawsuit by environmental groups seeking more restrictive TMDL
- EPA/DOEE/MDE developing ‘new’ Anacostia River ‘Zero Trash’ trash TMDL
- Chesapeake Bay TMDL – Phase 3 Watershed Implementation Plans being prepared, possible nutrient TMDLs reassessment
- MS4 permit – rehabilitation of Stormwater Outfalls (on NPS Property), total scope and cost unknown (currently \$5 million approved)
 - - National Parks Service permitting requirements for sewer outfalls
- Potential permit (TMDL) requirements for unregulated contaminants, e.g. Polychlorinated Biphenyls (PCBs), and polyfluoroalkyl substances (PFAS)
- Sanitary Sewer Overflows (SSO) – Risk of SSO Consent Decree

Washington Aqueduct

- Federally Owned Water Main Repairs (\$86 million, all DC Water)
- Travilah Quarry Acquisition & Outfitting (Alternative Water Supply) (Current discussion in range of \$750 million to \$1 Billion, cost sharing unknown)
- Advanced Treatment Facilities (\$375 million, DC Water share = \$280 million)
- Transmission and Storage upgrades (\$300 million, DC Water Share = \$225 million)



CIP Risks/Sensitivities (cont.)

💧 Land Use:

- Transition to full oversight of Land Use CIP by the Facilities Department.
 - Program Management support by McKissack & McKissack.
 - Will formally incorporate asset management principals into the capital planning & budgeting process,
 - Revision of the Non-Process Facilities Master Plan
 - Includes conducting condition assessments of major systems – roofing and HVAC – as well as perimeter security, lighting, alarms/notification, roadways/sidewalks, etc.
 - Additional funding will be requested in FY29 and beyond to address roofing, HVAC and other issues
- Extensive permitting requirements – USACE, NPS, DOEE, SHPO, etc. – for Seawall Restoration and Dock Replacement projects could add delays and cost
- Preservation requirements for the Historic Main Sewer Pump Station restoration could add delays and cost
- Increasing concern about odor/operational complaints from residential neighbors at Main PS/HQO campus as development continues adjacent to the campus



CIP Risks/Sensitivities (cont.)

💧 Climate Change Impacts

- Continued floodproofing of DC Water facilities/operations
- Increased resiliency through alternative and redundant energy sources
- DOEE proposed regulations on 500-year floodplain: Geographic boundary enlargement, elevation increase
- Long Term Control Plan (DCCR) system capacity
- Storm drainage system and pumping undersized if storm intensities increase

💧 Other:

- COVID-19 impacts to construction costs, availability of resources, impacts to revenue and decrease of CIP funding
- Lead Free DC Program: Lead Service Replacement Program – time frame
- National Park Service allowing sewers on Park Service Property
- DDOT and Pepco DC Power Line Undergrounding (DC PLUG) – impact to DC Water infrastructure / liability
- Pepco Central Grid Project – impact to DC Water infrastructure / liability
- Condition assessment of hidden aging infrastructure could lead to significant additional CIP needs for as yet unidentified needed repairs at large watermains and sewers, and vertical facilities
- Odor control for secondary treatment at Blue Plains: JBAB concerns, environmental justice concerns



CIP - Opportunities

Blue Plains Process Optimization & Revenue Opportunities

- **Enhance Nitrogen Removal Facility (Implement Full Plant Deammonification)**
 - **O&M Cost Reduction** - Chemical use and cost (methanol)
 - **Improve capacity** – to improve ability to meet future increased loadings
- **Enhance/Expand Class A Biosolids Processing Facilities (Pre-dewatering, digesters, Thermal Hydrolysis, etc.)**
 - **Food waste to digester** – opportunity to increase biogas production (with additional capacity)
 - **Improve capacity:** to meet future peak solids production
- **Implement Resource Recovery Options**
 - **Renewable Natural Gas (RNG)** – generate RNG from digester gas (biogas) with lucrative RIN value (a renewable energy credit)
 - **Heat Recovery Options at Blue Plains** – Example: Combined Heat and Power (CHP) waste heat recovery
- **Diversify Bloom Products and Marketing**
 - **Class A Biosolids Drying** - dry portion of raw Class A biosolids and use as a component in manufactured fertilizers
 - **Risk management** - diversify Bloom products to mitigate potential risks associated with land application



Budget Adoption Calendar

- ◆ Board Member Questions & Follow Up
 - Submit budget-related questions to Board Secretary
 - Board Secretary will distribute questions to appropriate staff
- ◆ Committee Reviews, Recommendations & Actions – **February & March**



	Environmental Quality & Operations	DC Retail Water & Sewer Rates	Finance & Budget
FY 2021 - FY 2030 Capital Budget (Disbursements & Lifetime)	Action Required		Action Required
Revise FY 2022 Capital Disbursements	Action Required		Action Required
FY 2022 Operating Budget			Action Required
Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing			Action Required
FY 2021 – FY 2030 Financial Plan		Action Required	Action Required
FY 2022 Rates, Charges & Fees		Action Required	

- ◆ Budget materials published on website for customers
- ◆ Board Adoption – **April 1**

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

ACTION REQUESTED

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

Approval to exercise option year 8 for protective services in the amount of \$5,500,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Allied Universal Security Services 1551 N. Tustin Avenue Suite 650 Santa Ana, CA 92705	SUBS: Preeminent Protective Services Inc. 1050 17 th Street, NW, Suite 600 Washington, DC 20036 LSBE	PARTICIPATION: 21.3%
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DESCRIPTION AND PURPOSE

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

Purpose of the Contract:

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

Contract Scope:

The contact will provide highly trained and reliable commissioned Special Police Officers (SPOs) to safeguard DC Water’s property and personnel, to prevent and deter unauthorized access or removal of property, and to assist DC Water in all other security related matters.

***Contract Management:**

During option year 4, DC Water re-solicited this contract, incumbent Allied Universal Security was awarded with the solicitation. It was decided to extend the current contract rather than writing new one.

Spending Previous year:

Cumulative Contract Value:	12-16-2012 to 03-13-2021: \$42,552,564.00
Cumulative Contract Spending:	12-16-2012 to 12-31-2020: \$39,439,844.00

Contractor’s Past Performance:

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

PROCUREMENT INFORMATION

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

BUDGET INFORMATION

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

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	87.73%	\$4,825,150.00
Washington Suburban Sanitary Commission	9.22%	\$507,100.00
Fairfax County	1.76%	\$96,800.00
Loudoun County	0.80%	\$44,000.00
Other (PI)	0.49%	\$26,950.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$5,500,000.00

 / February 5, 2021
 Maureen Holman Date
 EVP of Administration

_____/_____
 Dan Bae Date
 VP of Procurement and Compliance

_____/_____
 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

GOODS AND SERVICES CONTRACT MODIFICATION

Janitorial Cleaning Service

(Joint Use)

Approve the funding of the contract renewal period for Janitorial Cleaning Service in the amount of \$900,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Clean Team Janitorial Service 700 12th Street, NW, Suite 700 Washington, DC 20005 LSBE	SUBS: N/A	PARTICIPATION: 100%
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DESCRIPTION AND PURPOSE

Base Period Contract Value:	\$855,608.28
Original Contract Dates:	10-21-2018 – 10-20-2019
No. of Option Years in Contract:	2
Option Year 1 Value:	\$888,211.67
Option Year 1 Dates:	01-01-2020 – 12-31-2020
Modification 1 Value:	\$271,433.73
Modification 1 Dates:	02-01-2020 – 12-31-2020
Option Year 2 Value:	\$0.00
Option Year 2 Dates:	01-01-2021 – 12-31-2021
Modification 2 Value:	\$900,000.00
Modification 2 Dates:	04-01-2021 – 12-31-2021

Purpose of the Contract:

DC Water’s Department of Facilities Services needs a contract to provide professional janitorial and cleaning services to be performed at multiple facilities throughout the Authority.

Contract Scope:

The contractor shall furnish the management, labor, materials, supplies, and equipment necessary to provide janitorial services for DC Water’s working spaces located at Blue Plains, O Street Pumping Station, Bryant Street, Potomac Interceptor, Reno Pumping Station and DC Water’s Headquarters.

Spending Previous Year:

Cumulative Contract Value:	10-21-2018 to 12-31-2021: \$2,015,253.68
Cumulative Contract Spending:	10-21-2018 to 12-31-2021: \$1,830,668.43

Contractor’s Past Performance:

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

PROCUREMENT INFORMATION

Contract Type:	Fixed Price	Award Based On:	Highest-Ranking Offeror
Commodity:	Janitorial Services	Contract Number:	18-PR-DFS-29
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

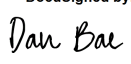
BUDGET INFORMATION

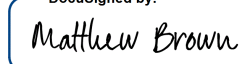
Funding:	Operating	Department:	Facilities Services
Project Area:	DC Water wide	Department Head:	Brent Christ

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	87.73%	\$789,570.00
Washington Suburban Sanitary Commission	9.22%	\$82,980.00
Fairfax County	1.76%	\$15,840.00
Loudoun Water	0.80%	\$7,200.00
Potomac Interceptor	0.49%	\$4,410.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$900,000.00

 / February 4, 2021
 Maureen Holman Date
 EVP of Administrative Services

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 Dan Bae Date
 VP of Procurement and Compliance

DocuSigned by:
 /
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 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:

**Tunnel Dewatering Pump Station and Enhanced Clarification Facility-CM
(Joint Use)**

Approval to execute Supplemental Agreement #06 for \$560,478.00. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Arcadis District of Columbia, PC 7550 Teague Road Suite 210 Hanover, MD 21076 <u>Headquarters</u> Highlands Ranch, CO 80129	Delon Hampton & Associates Washington, DC MBE	3.8%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$ 20,698,656.00
Value of this Supplemental Agreement:	\$ 560,478.00
Cumulative SA Value, including this SA:	\$ 12,440,434.00
Current Contract Value, Including this SA:	\$ 33,139,090.00
Original Contract Time:	1,890 Days (5 Years, 2 Months)
Time extension, this SA:	410 Days
Total SA contract time extension:	1,156 Days (3 Years, 2 Months)
Contract Start Date:	08-28-2013
Contract Completion Date:	12-30-2021

Purpose of the Contract:

To provide onsite Construction Management Services for the Tunnel Dewatering Pump Station and Enhanced Clarification Facility (TDPS-ECF).

Original Contract Scope:

To provide Construction Management and related engineering services for the construction of the Tunnel Dewatering Pump Station and Enhanced Clarification Facility at the District of Columbia's Advanced Wastewater Treatment Plant at Blue Plains.

Previous Supplemental Agreement Scope:

The scope remains the same as the original agreement; to provide Construction Management and related engineering services for construction of the Tunnel Dewatering Pump Station and Enhanced Clarification Facility. Due to Contractor delays, the Construction Management scope was previously extended through November 13, 2020.

Current Supplemental Agreement Scope:

Based on the current Closeout Schedule provided by the Project's Joint Venture (JV) for the construction of the Tunnel Dewatering Pump Station and Enhanced Clarification Facility the Construction Management scope is extended through December 2021. The scope remains the same as the original Contract but limits staffing to correspond with the closeout schedule activities provided by the JV.

Future Supplemental Agreement Scope:

No future supplemental agreement is anticipated at this time.

PROCUREMENT INFORMATION

Contract Type:	Cost Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Services	Contract Number:	DCFA #450-WSA
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Wastewater Engineering
Service Area:	Wastewater	Department Head:	David Parker
Project:	E8		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	41.22%	\$231,029.03
Federal Funds	0.00%	\$
Washington Suburban Sanitary Commission	45.84%	\$256,923.11
Fairfax County	8.38%	\$ 46,968.06
Loudoun County & Potomac Interceptor	4.56%	\$ 25,557.80
Total Estimated Dollar Amount	100.00%	\$560,478.00

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

_____/_____
 Dan Bae, VP Date
 Procurement & Compliance

_____/_____
 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

ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT:

**Project Delivery Services for Sewer Service Areas
(Joint Use)**

Approval to execute Supplemental Agreement No. 2 for \$1,500,000. The modification exceeds the the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Greeley and Hansen/ O'Brien & Gere Joint Venture 5301 Shawnee Road, Suite 400 Alexandria, VA 22312	Arthur Engineering Sparks, MD	MBE 11.0%
	Delon Hampton & Associates Silver Spring, MD	MBE 11.0%
	CCJM Washington, DC	MBE 5.0%
	SaLut - TLB Glen Burnie, MD	MBE 3.0%
	LimnoTech International LLC Washington, DC	Non-MBE/WBE 1.0%

DESCRIPTION AND PURPOSE

Original Contract Value:	\$20,000,000.00
Value of this Supplemental Agreement:	\$1,500,000.00
Cumulative SA Value, including this SA:	\$1,500,000.00
Current Contract Value, Including this SA:	\$21,500,000.00
Original Contract Time:	1,825 Days (5 Years, 0 Months)
Time extension, this SA:	730 Days
Total SA contract time extension:	730 Days (2 Years, 0 Months)
Contract Start Date:	01-09-2017
Contract Completion Date:	01-08-2024

Purpose of the Contract:

- To retain the services of qualified consultants that will provide project delivery services for the implementation of a significant Capital Improvement Program (CIP) in the sanitary sewer, combined and stormwater service areas.

Original Contract Scope:

- Assist DC Water with the implementation and completion of various capital improvement projects. Such services include engineering design, engineering services during construction, environmental studies, operations support, and other specialized services at the discretion of DC Water
- Provide operations support to the Customer Care and Operations Division.

Previous Supplemental Agreement Scope:

- Administrative changes specifically to the Agreement Terms and Conditions applied to the Task Order #7 LZ09 Potomac Interceptor Phase 6 Pipe Rehabilitation at Clara Barton Highway and Interstate I-495.

Current Supplemental Agreement Scope:

- To continue providing engineering services and specialized technical services necessary to develop, manage, and implement capital improvement projects within DC Water sewer service areas. Tasks under this include:

Integrated Flood Study, Evaluation of 9/10 Flooding and Nicholson SSES:

Best practices from other programs throughout the world will be identified to develop DC Water's Flood Management Program. Work under this task includes: Holding workshops with internal stakeholders to develop program fundamentals; program management; planning and strategy development; engineering studies; operation response evaluation; and review of regulatory guidelines and identify possible funding sources and/or partnership opportunities. Also, this task includes the review of customer calls related to the September 10, 2020 flooding; evaluation of the effectiveness of the backwater valve program; and conducting limited sewer system evaluation study in Nicholson Street as part of the recommended solutions in leveraging existing programs and infrastructure solutions identified in the After Action Report – September 10, 2020 Flashflood.

HH05 Additional Main & O Paving/Access Roads:

The purpose of this task is to develop design documents for the construction of the 38-ft wide O St SE roadway from First St SE to the western boundary of DC Water Main and O Street Campus as part of the agreement between the District and the private developer. The scope also includes permitting services; environmental services; engineering services during construction, and other related tasks.

Future Supplemental Agreement Scope:

No future supplemental agreement is anticipated at this time.

PROCUREMENT INFORMATION

Contract Type:	Lump Sum & Cost-Plus Fixed Fee	Award Based On:	Highest Ranking Score
Commodity:	Engineering Design Services	Contract Number:	DCFA #481
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Sanitary Sewer, Combined Sewer & Stormwater	Department Head:	Craig Fricke
Project:	AU, AV, AT, HH		

ESTIMATED USER SHARE INFORMATION

User	*Share %	Dollar Amount
District of Columbia	100.00%	\$1,500,000.00
Washington Suburban Sanitary Commission	0.00%	\$
Fairfax County	0.00%	\$
Loudoun County & Potomac Interceptor	0.00%	\$
Total Estimated Dollar Amount	100.00%	\$1,500,000.00

*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.

Leonard Benson Digitally signed by Leonard Benson
Date: 2021.02.08 09:25:24 -05'00'

Leonard R. Benson / Date
SVP, CIP Project Delivery

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

 Digitally signed by Dan Bae
DN: C=US, E=dan.bae@dcwater.com,
O=District of Columbia Water and Sewer
Authority, OU=VP of Procurement &
Compliance, CN=Dan Bae,
Date: 2021.02.09 15:31:20 -05'00'

Dan Bae, VP / Date
Procurement & Compliance

David L. Gadis / Date
CEO & 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 FY18- FY21
(Non-Joint Use)**

Approval to execute Change Order No. 001 for \$5,500,000.00. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Capitol Paving of D.C. 2211 Channing St NE Washington, DC 20018	United Construction Services, LLC Washington, DC MBE	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:	\$5,500,000.00	
Cumulative CO Amount, including this CO:	\$5,500,000.00	
Total Contract Value, including this CO:	\$27,084,324.00	
Original Contract Time:	1096 Calendar Days	(3 Years)
Time extension, this CO:	270 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:	25.48%	
Contract completion %:	78.93%	

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:

N/A

Current Change Order Scope:

- The current Public Space Restoration Contract for FY18-FY21 ends on April 8, 2021.
- A new contract will be advertised on June 4, 2021 with the goal of executing and starting it on January 5, 2022 so that there is no lag between the current and new contract
- As a result, a time change order and value increase are needed to continue executing Public Space Restoration until the new contract starts.

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, Operating	Department:	Water Services
Service Area:	Water, Sanitary, Combined Sewer, Stormwater, Non Process Facilities	Department Head:	Jason Hughes
Project:	KW, HH, LN		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$5,500,000.00
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%	\$5,500,000.00

Jason Hughes _____ February 5, 2021
 Jason Hughes _____ Date
 VP, Water Operations

Dan Bae _____ February 5, 2021
 Dan Bae, VP _____ Date
 Procurement and Compliance

Matthew T. Brown _____ February 5, 2021
 Matthew T. Brown _____ Date
 CFO and EVP
 Finance and Procurement

_____ Date
 David L. Gadis
 CEO and General Manager

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

ACTION REQUESTED

PARTICIPATION IN DDOT PROJECT:

**DDOT - Pennsylvania Avenue NW Streetscape Phase 1
From 17th Street to 22nd Street**

(Non-Joint Use)

Approval to participate in DDOT’s Pennsylvania Avenue NW Streetscape project under the terms of the 2002 Memorandum of Agreement (MOA) between District of Columbia Department of Transportation (DDOT) and DC Water for an amount up to \$3,500,000.00. This amount exceeds the General Manager’s approval authority.

PARTY INFORMATION

PARTY: District Department of Transportation 55 M Street, SE, Suite 400, Washington, DC 20003	SUBS: MBE and WBE fair share objectives will follow DDOT goals.	PARTICIPATION:
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DESCRIPTION AND PURPOSE

Value, Not-To-Exceed: \$3,500,000.00
 Time: 730 Days (2 Years, 0 Months)
 Anticipated Start Date: Late 2021
 Anticipated Completion Date: Late 2023

Purpose of DC Water’s participation:

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

Scope of DC Water’s participation:

- Replace 0.85 miles of water mains ranging from four (4) inches to twelve (12) inches diameter and associated valves and appurtenances.
- Replace copper water services 2-inch diameter and smaller in public and private space.
- Replace curb stop/curb stop box, meter box and penetration through building wall and connection to first fitting inside the building including installation of a shut-off valve and pressure reducing valve.
-

Federal Grant Status:

- Work is not eligible for Federal grant funding assistance.

AGREEMENT INFORMATION

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

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	Craig Fricke
Project:	F2, GR and KE		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$ 3,500,000.00
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%	\$ 3,500,000.00

Leonard
Benson

Digitally signed by Leonard Benson
Date: 2021.02.08 09:26:18 -05'00'

Leonard R. Benson / Date
SVP, CIP Project Delivery



Digitally signed by Dan Bae
DN: C=US, E=dan.bae@dcwater.com, O=District of Columbia Water and Sewer Authority, OU=VP of Procurement & Compliance, CN=Dan Bae
Date: 2021.02.09 15:07:25-05'00'

Dan Bae, VP / Date
Procurement & Compliance

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:
66-Inch/72-Inch PCCP N Street
(Non-Joint Use)**

Approval to execute a construction contract for \$2,913,020.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Anchor Construction Corporation 2254 25th Place, NE Washington, DC 20018	Keys Materials Mt. Airy, MD	MBE 12.5%
	S & J Service, Inc. Hyattsville, MD	MBE 1.0%
	Sunrise Safety Services, Inc. Glen Burnie, MD	WBE 4.1%
	Sandras Supplies, LLC Bowie, MD	WBE 1.5%
	Resource Industries, LLC Washington, DC	WBE 0.5%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$2,913,020.00
Contract Time:	453 Days (1 Year 3 Months)
Anticipated Contract Start Date (NTP):	05-13-2021
Anticipated Contract Completion Date:	08-09-2022
Bid Opening Date:	11-18-2020
Bids Received:	4
Other Bids Received	
Garney Companies	\$3,193,800.00
Spiniello Companies	\$3,423,300.00
Sagres Construction Corporation	\$3,867,500.00

Purpose of the Contract:

As part of DC Water's continuing implementation of the large diameter water main rehabilitation program, this contract will implement rehabilitation and replacement of pipe segments identified with structural defects to extend the service life of the N Street NW and NE PCCP (Prestressed Concrete Cylinder Pipe) transmission main

Contract Scope:

- Perform watermain shutdown, dewatering, and disinfection.
- Rehabilitate ten (10) pipe segments using internal bonded CFRP (Carbon Fiber Reinforced Polymer) on the existing 66" to 72" PCCP pipe.
- Install one (1) 66" butterfly valve and replacement of 50 feet of a 66" watermain
- Install one (1) 2" Air release valve.
- Excavate paved over access manhole for access to PCCP pipe.
- Excavate a test pit to locate and verify a pipe location

Federal Grant Status:

- Construction Contract is eligible for Federal grant funding assistance: inclusion in grant is pending availability of grant funds.

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	190040
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	Craig Fricke
Project:	FT		

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	100.00%	\$2,913,020.00
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%	\$2,913,020.00

Leonard R. Benson February 9, 2021

 Leonard R. Benson Date
 SVP, CIP Project Delivery

Dan Bae February 9, 2021

 Dan Bae, VP Date
 Procurement and Compliance

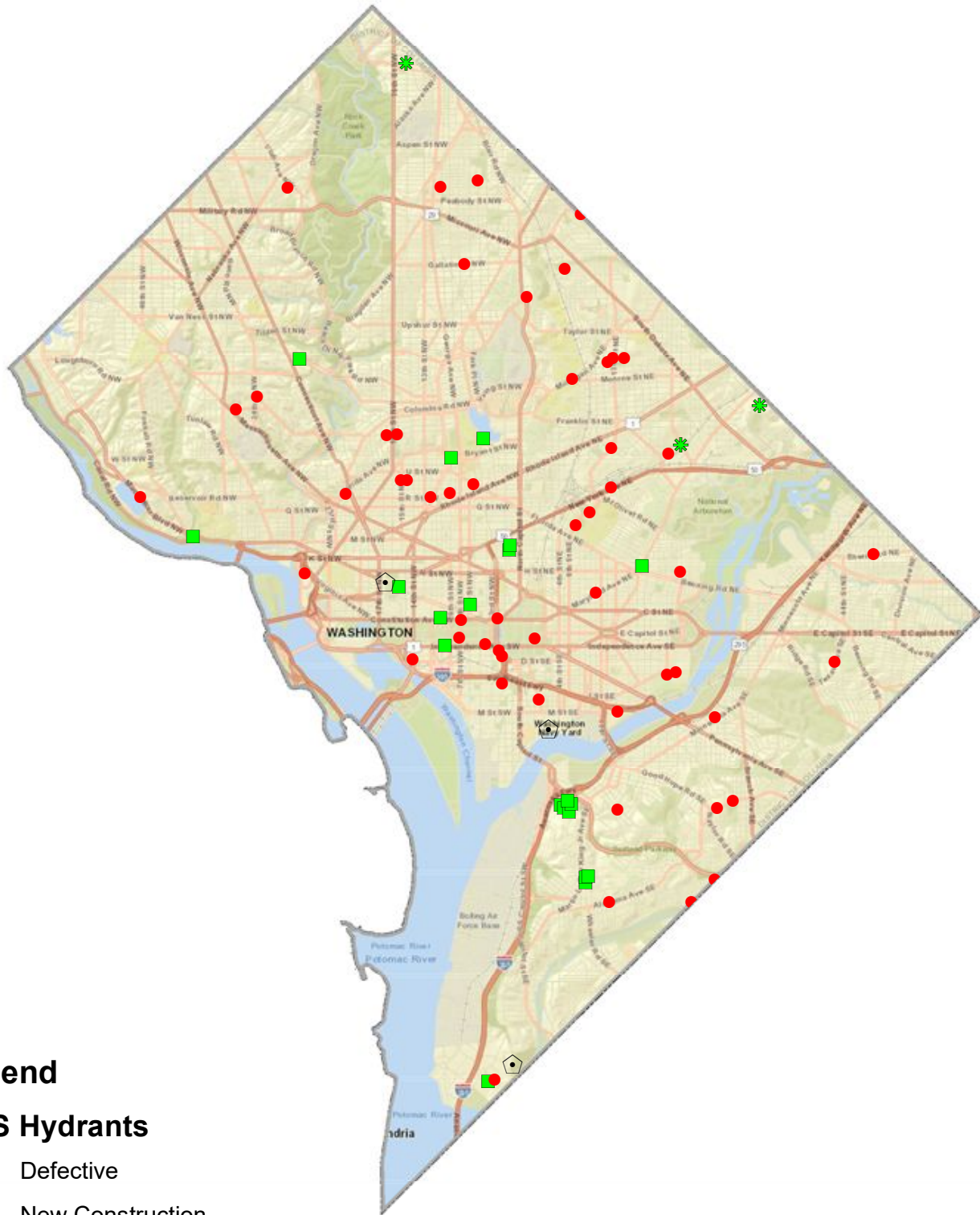
Matthew T. Brown February 10, 2021

 Matthew T. Brown Date
 CFO and EVP
 Finance and Procurement

 David L. Gadis Date
 CEO and General Manager

Map of Public Out-of-Service Hydrants

February 03, 2021



Legend

OOS Hydrants

- Defective
- * New Construction
- ⬠ Obstructed
- Temporary

Status Report for EPA Drinking Water Regulated Monitoring – January 2021

Total Coliform Rule (TCR)

DC Water collected 252 samples in June and one (0.4%) was positive for coliform.

Note: The federal regulatory trigger for further system evaluation is 5 percent positive for each month.

Lead and Copper Rule (LCR)

DC Water began the January to June semester compliance monitoring, distributing 40 lead test kits and receiving 23 valid for compliance.