



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

Meeting of the
Environmental Quality and Operations Committee

**Thursday, September 17, 2020
9:30 a.m.**

**Microsoft Teams Meeting
+1 202-753-6714 United States, Washington DC (Toll)
Conference ID: 573 111 335#**

- | | | | |
|------------|------|---|---------------------------------|
| 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 | Akile Tesfaye |
| | | 1. BPAWTP Performance | |
| 9:45 a.m. | IV. | CIP Quarterly Update | Paul Guttridge |
| 9:55 a.m. | V. | Action Items | Joel Grosser/Len Benson |
| | | <u>Joint Use</u> | |
| | | 1. Contract No.: 16-PR-DFM-07 – FMIS Consulting Services, Chevin Fleet Solutions | |
| | | 2. Contract No.: 16-PR-HCM-44AC and -44AD – Temporary Staffing Services, MB Staffing and Premier Staffing | |
| | | 3. Contract No.: 20-PR-DIT-43 – IT Professional Services, Dell Marketing | |
| | | 4. Contract No.: GS35F0119P, GS11T08BJD6001 – Telecommunication Services, Verizon and Verizon Wireless | |
| | | 5. Contract No.: 200020 - Emergency Sewer Main IR&R Contract for FY21 - FY24, Spiniello Companies | |
| | | <u>Non-Joint Use</u> | |
| | | 6. Contract No.: 170020 - Low Service 66 Inch Steel Water Main, Northeast Remsco Construction, Inc. | |
| 10:10 a.m. | VI. | DC Clean Rivers Update | Carlton Ray |

10:25 a.m.	VII.	Procurement Proposal and Contract Vetting	Dan Bae
10:35 a.m.	VIII.	Other Business / Emerging Issues	
		<ul style="list-style-type: none">• September 10, 2020 Flash Flooding Event - Kisha Powell	
10:40 a.m.	IX.	Executive Session*	Adam Ortiz Chair
10:45 a.m.	X.	Adjournment	

Follow-up Items from Prior Meetings:

1. *SVP, CIP Project Delivery: Include risks associated with a potential privatization of the Washington Aqueduct and its impact on rates as part of the Risks and Sensitivities analysis. [TBD]*
2. *VP, DC Clean Rivers: Schedule a tour of GI Sites [TBD]*
3. *Vice President, Procurement and Compliance: Provide a briefing on the process staff uses to vet contracts and proposals prior to being presented to the Committee. [On Current Agenda]*

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.

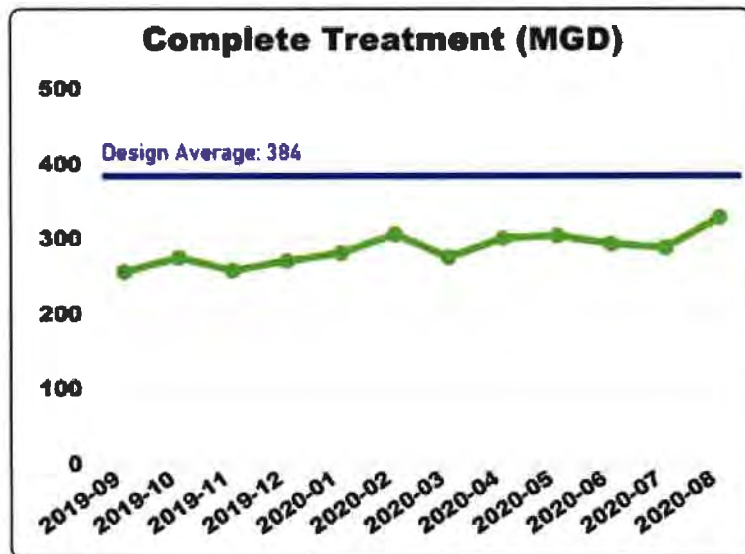


Wastewater Operations

Blue Plains Advanced Wastewater Treatment Plant

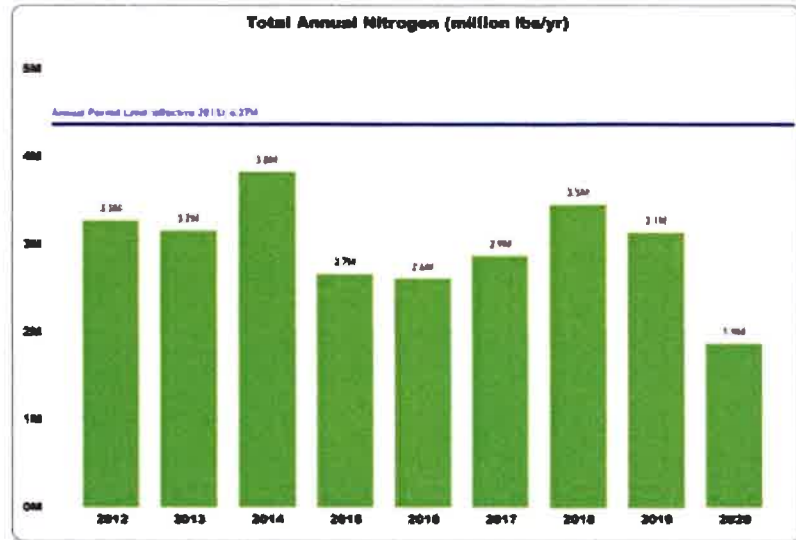
Operational Performance

Blue Plains Complete Treatment Performance: The plant performance for the month of August 2020 was excellent with all effluent parameters well below the seven-day and monthly NPDES permit requirements. With a total precipitation of 8.73 inches - higher than the 2.93 inches norm for the month as measured at National Airport - August 2020 was the wettest August since 2011. The monthly average flow through complete treatment (Outfall 002) was 328 MGD, the highest monthly average flow since May 2019.



Total Nitrogen (TN) Removal Performance:

The quality of the plant effluent remained excellent as demonstrated by the total pounds of nitrogen in the effluent. The graph below shows total annual nitrogen discharge, in million pounds per year, over an 9-year period ending in August 2020. The total pounds of nitrogen discharged in the complete treatment effluent during the current calendar year is 1,875,898 lbs. and on track to remain below the NPDES permit discharge limit of 4,377,580 lbs. /year.



Wet Weather Treatment Facility (WWTF) Performance: In August 2020, a total of 463 million gallons (MG) of combined wet weather flows, captured in the tunnel system, were treated through the WWTF. The measured overflow was 52 MG. The treated discharge of captured combined flows to the wet weather treatment outfall (Outfall 001) was 137 MG.

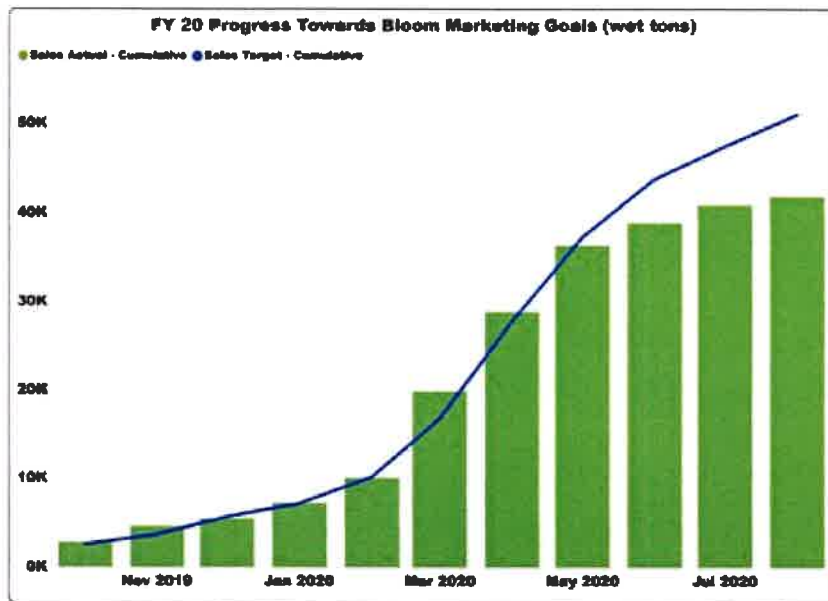
	August 2020**	Calendar Year 2020 (Through August)
Total Precipitation, inches (DCA gauge)	8	35.12
Total Volume Captured in the Anacostia Tunnel, MG	463	1770
Measured Overflow, MG*	52	182
Percent Captured**	90%	91%

*Overflow from CSOs associated with the existing Anacostia River Tunnel System

**Expected Capture ~80%

Class A Biosolids Quality: In August, biosolids hauling averaged 398 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

Bloom Marketing: During the month, a total of 1,029 tons of bloom was marketed. The total tons marketed during the fiscal year (through the end of August 2020) is 41,881 wet tons or 70% of the 60,000 tons goal.



Bloom sales exceeded the FY2019 total (40,658 tons), despite sales totals for the month falling short of the projected goal. While we had set a goal of 60,000 tons of sales for this fiscal, we will fall short, with sales expected to be in the range of 45,000 tons. We believe the shortfall is due largely to the pandemic and unanticipated wet weather, with lower than expected sales to garden centers, nurseries, soil blenders, and farms. Our garden centers and landscapers have seen a drop in business. With a drop in construction activities we have seen fewer sales to soil blenders as well. This has corresponded to a drop in sales to farmers.

However, the costs for managing the program are lower than anticipated this year, due to lower unit price for hauling and land application of Class A Biosolids, and we expect to meet our budget for the current fiscal year.

Progress Report

This should capture your department's active and upcoming projects that relate to the Department's or Authority's overall objectives. These items can include completed projects and initiatives or progress towards completing those initiatives.

COVID19 Pandemic O&M Recovery Plan

With the implementation of Phase II Recovery, beginning Sunday 26 2020, front line O&M staff at Blue Plains returned to pre-COVID19 schedule while following guidelines to effect social distancing and maintain employee health and safety. Management continuous to proactively engage with staff to receive feedback, provide support and resources, and sustain adherence to the Authority's guidelines.

News and Events

This information should include upcoming news relating to the Authority and stakeholder's interests; including but not limited to upcoming community outreach

District of Columbia Water and Sewer Authority

Capital Improvement Program Report



**FY-2020 3rd Quarter
April 1st through June 30th, 2020**

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

**David L. Gadis CEO and General Manager
Leonard R. Benson, Senior Vice President CIP Project Delivery
August 2020**

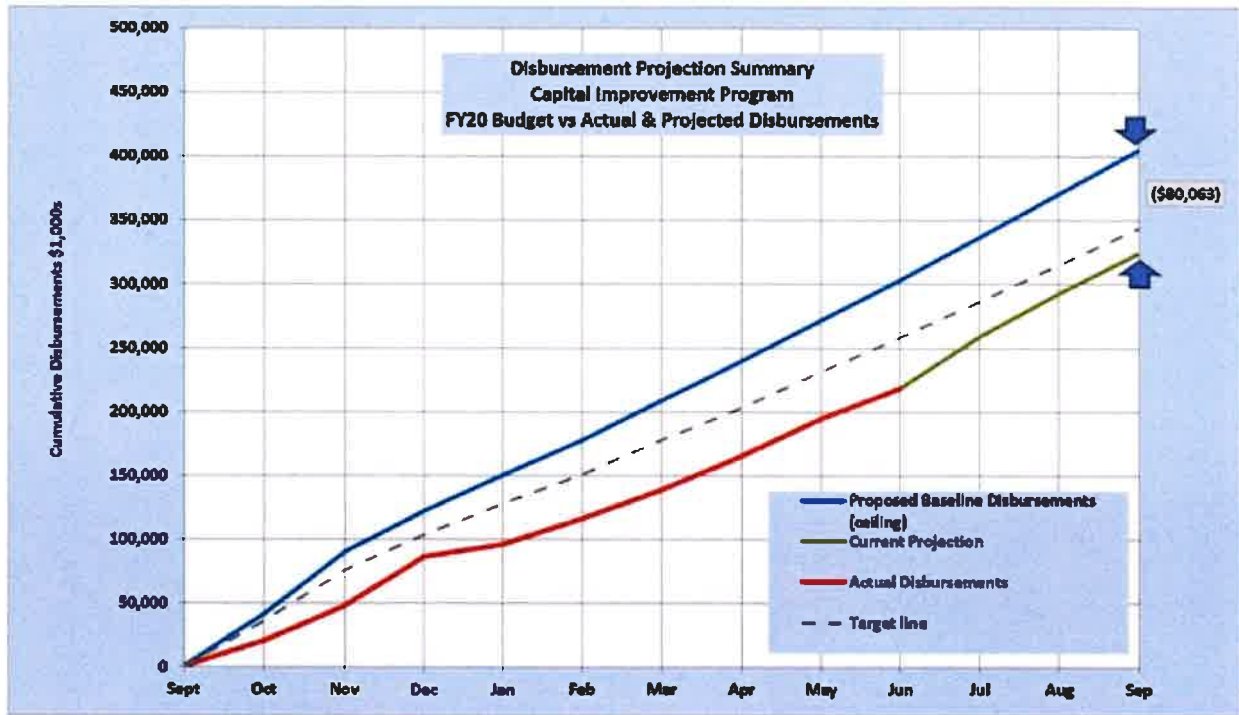


Capital Improvement Program Report 3rd Quarter FY2020

CIP Disbursement Performance

Current projected program disbursements through the end of the fiscal year compared with the FY20 baseline are shown in the chart below:

Disbursement Summary



Current projected fiscal year 2020 CIP disbursements are \$324,941,000 through the end of September 2020, which is on track to be under the baseline disbursement ceiling of \$405,004,000.

Current disbursement projections within the service areas are as follows:

Non-Process Facilities

Baseline Disbursements	\$42,066,000
Projected Disbursements	\$8,646,000 (\$33.4M below baseline projection)

This underspending is mainly due to the delay in receiving funds and subsequent awarding of the Fleet Facility and Sewer Headquarters construction contracts. Spending is not expected to fully recover this fiscal year.



Capital Improvement Program Report 3rd Quarter FY2020

Wastewater Treatment Service Area

Baseline Disbursements	\$77,536,000
Projected Disbursements	\$63,954,000 (\$13.6M below baseline projection)

Significant project variances are listed below:

- *Liquid Processing Program Area – (\$5.7M below baseline) –*
 - The forecast disbursements for Project IZ – Replace/Upgrade Influent Screens are \$3.0M less than the baseline, mainly attributable to delay in procuring the next Miscellaneous Facilities Upgrades construction contract.
- *Biosolids Program Area – (\$3.8M below baseline) –*
 - The forecast disbursements for project BX - Gravity Thickener Upgrades Ph II are \$4.4M less than the baseline, mainly attributable to initial delay in the contract billing.
- *Nitrogen Removal Program area – (\$2.5M below baseline) –*
 - The forecast disbursements for project E8 – Enhanced Clarification Facilities are \$1.7M less than the baseline, due to protracted negotiations to close out the contract.

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

CSO Service Area

Baseline Disbursements	\$7,952,000
Projected Disbursements	\$4,976,000 (\$3.0M above 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	\$162,197,000
Actual Disbursements	\$162,257,000 (\$0.0M above baseline projection)

The DCCR team currently anticipates the spending to meet the baseline forecast by year end.

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

Stormwater Service Area

Baseline Disbursements	\$6,869,000
Projected Disbursements	\$3,699,000 (\$3.2M below baseline projection)



Capital Improvement Program Report
3rd Quarter FY2020

Significant project variances for this service area below.

- *Stormwater Pumping Facilities Area – (\$2.5M below baseline) –*
 - The forecast disbursements for Project NG – Stormwater Pump Stations Rehabilitation are \$2.5M less than the baseline due to delays in procuring the next Miscellaneous Facilities Upgrades construction contract.

Sanitary Sewer Service Area

Baseline Disbursements \$44,934,000
 Projected Disbursements \$29,634,000 (\$15.3M below baseline projection)

Significant project variances are listed below:

- *Sanitary Collection Sewers Area – (\$3.7M below baseline) –*
 - The forecast disbursements for Project QX – Local Sewer Assessment 1 are \$1.7M less than the baseline due to changing DDOT requirements which caused higher than expected proposals for this work. As a result, this work has not been awarded and is being reevaluated.
- *Sanitary On-going Area – (\$4.9M below baseline) –*
 - This area is below the forecast but within the expected limits of the forecasting accuracy as the size and type of emergency repairs to the sewer system are difficult to predict year on year.

Water Service Area

Baseline Disbursements \$62,163,000
 Projected Disbursements \$50,968,000 (\$11.2M below baseline projection)

Significant project variances are listed below:

- *Water Distribution System Area – (\$11.8M below baseline) –*
 - The forecast disbursements for Project F1 – Small Diameter Water Main Rehab 13 are \$3.7M less than the baseline due to the administrative and permitting delays starting construction.
 - The forecast disbursements for Project FT – Water Main Rehabs Phase II are \$1.8M less than the baseline due to the delays due to the potential lack of funding available due to the recent COVID pandemic.
 - The forecast disbursements for Project O3 – Small Diameter Water Main Rehab 11 are \$1.9M less than the baseline due to the delays in closing out this contract.



Capital Improvement Program Report 3rd Quarter FY2020

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. 14a	Construction	No	\$5M - \$10M	EQ & Ops Sep	Oct
Multiple	Emergency Sewer Main IR&R Contract for FY21-FY23	Construction	No	\$15M - \$20M	EQ & Ops Sep	Oct
AU00	Sewer Planning and Engineering Services Consultant	Professional Services	Yes	\$15M - \$25M	EQ & Ops Nov	Dec
Multiple	Misc. Facilities Upgrades (MFU) 7	Construction	Yes	\$20M - \$30M	EQ & Ops Sep	Oct
CZ00	CSO 025/026 Separation	Construction	No	\$4M - \$8M	EQ & Ops Dec	Jan
IY03	Reclaimed Final Effluent Pump Station	Construction	Yes	\$5M-\$15M	EQ & Ops Jan	Feb



Capital Improvement Program Report 3rd Quarter FY2020

Schedule - Key Performance Indicators Capital Improvement Program

Summary:

For the 3rd quarter, all the Key Performance Indicators (KPIs) completed this period were achieved within 90 days of their target date.

#	Performance
15	KPIs completed within threshold
14	KPIs will be completed outside threshold
15	Total KPIs completed to date
30	Total KPIs due this year

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

- LZ09 – Delay obtaining categorical exclusion from EPA
- F101, F102 – Missed KPI due to delays while evaluating the impact of COVID-19 on the availability of funding.
- IL10 – Additional permitted storm water management work needed resulting from damage caused by torrential rains
- RC07 – Negotiation challenges resulted in consultant withdrawing their proposal.
- BV01 – There are on-going challenges with the rehab of pumps.
- F201, F202, F203 – Missed KPI due to delays while evaluating the impact of COVID-19 on the availability of funding
- IB01 – Missed KPI while contractor completes corrective issues and change order work.
- IC01 – Missed KPI due to delays while evaluating the impact of COVID-19 on the availability of funding
- LD00 – Missed KPI due to delays while evaluating the impact of COVID-19 on the availability of funding
- NG05 – Delays in procuring the new construction MFU contractor
- SC01 – The design was rescheduled to be done under the new ALU Program Manager/Design contract.

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
Q1	FA03	Soldiers Home Reservoir Upgrade	Construction Start Milestone	10-Oct-19		09-Oct-19	1	✓
Q1	NG02	Stormwater Pumping Stations Rehabilitation Phase 2	Design Start Milestone	30-Dec-19		26-Dec-19	4	✓
Q1	UC06	Upgrades to Filtration Influent Pumps 1-10	Construction Start Milestone	10-Oct-19		10-Oct-19	0	✓
Q2	F101	Small Diameter Water Main Repl 13A	Construction Start Milestone	12-Mar-20		13-Mar-20	-1	✓
Q2	F102	Small Diameter Water Main Repl 13B	Construction Start Milestone	16-Feb-20		27-Feb-20	-11	✓



Capital Improvement Program Report
3rd Quarter FY2020

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	FQ02	Main PS Upgrades - NFPA, Odor Control, LAPS	Design Start Milestone	29-Jan-20		19-Jan-20	10	✓
Q2	HX01	SDWM Renewal 16A	Design Start Milestone	02-Jan-20		27-Nov-19	36	✓
Q2	JF03	Construction of Flood Seawall Segment C	Construction Start Milestone	13-Jan-20		29-Jan-20	-16	✓
Q2	LZ04	PI Phase 2 Pipe Rehab at Potomac Crossing	Design Start Milestone	03-Mar-20		25-Feb-20	7	✓
Q2	LZ06	PI Phase 4 Pipe Rehab at Fairfax & Loudoun Co.	Design Start Milestone	01-Jan-20		12-Dec-19	20	✓
Q2	LZ09	PI Phase 6 Pipe Rehab at Clara Barton Pkwy and I-495	Design Start Milestone	29-Feb-20	01-Sep-20		-185	
Q2	LZ07	PI Phase 5 Pipe Rehab between MH31 and MH30	Design-Build NTP	23-Feb-20		12-May-20	-79	✓
Q3	C904	66" Low Service Steel Main at 8th Street NE & SE	Construction Substantial Completion	30-Apr-20		13-Jan-20	108	✓
Q3	F103	Small Diameter Water Main Repl 13C	Construction Start Milestone	15-Apr-20	09-Sep-20		-147	☐
Q3	F104	Small Diameter Water Main Repl 13D	Construction Start Milestone	15-May-20	15-Sep-20		-123	☐
Q3	HX02	Small Diameter Water Main Repl 16B	Design Start Milestone	01-Apr-20		31-Jan-20	61	✓
Q3	IL10	Creekbed Sewer Rehabilitation Rock Creek Oregon Avenue	Construction Substantial Completion	30-Apr-20	30-Oct-20		-183	
Q3	J001	B Street/New Jersey Ave. Trunk Sewer Rehab and Cleaning Phase 1	Construction Substantial Completion	30-Sep-20	30-Sep-20		0	☐
Q3	RC07	Major Sewer Rehab 1-5 Northeast Boundary	Design Start Milestone	22-May-20	01-Sep-20		-102	
Q4	BV01	RWWPS No. 2 Upgrades	Construction Substantial Completion Milestone	02-Jul-20	30-Nov-20		-151	☐
Q4	DR02	Low Area Trunk Sewer - Rehabilitation	Construction Substantial Completion	10-Jul-20		10-Jul-20	0	✓
Q4	F201	Small Diameter Water Main Repl 14A	Construction Start Milestone	05-Aug-20	03-Dec-20		-120	☐
Q4	F202	Small Diameter Water Main Repl 14B	Construction Start Milestone	15-Aug-20	01-Nov-22		-808	



Capital Improvement Program Report
3rd Quarter FY2020

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	F203	Small Diameter Water Main Repl 14C	Construction Start Milestone	03-Sep-20	21-Jan-23		-870	<input type="checkbox"/>
Q4	HX03	Small Diameter Water Main Repl 16C	Design Start Milestone	01-Jul-20		20-Feb-20	132	<input checked="" type="checkbox"/>
Q4	I801	Large Valve Replacements 11R	Construction Substantial Completion	29-Sep-20	30-Jun-21		-274	<input type="checkbox"/>
Q4	IC01	Electrical & Power Monitoring Systems	Design Start Milestone	28-Sep-20	28-Sep-22		-730	<input type="checkbox"/>
Q4	LD00	Pre-Dewatering Additional Centrifuges	Design Start Milestone	21-Sep-20	4-Jan-21		-105	<input type="checkbox"/>
Q4	NG05	Stormwater Pump Station Rehab - 1st and D	Construction Start Milestone	01-Sep-20	09-Aug-21		-342	<input type="checkbox"/>
Q4	SC01	Main & O Seawall Restoration (Phase 2 HQO)	Design Start Milestone	29-Aug-20	21-Mar-21		-204	<input type="checkbox"/>

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

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

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEAR

**FMIS Consulting Services
(Joint Use)**

Approval to exercise option year 5 for Fleet Management Information System (FMIS) Consulting Services in the amount of \$125,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Chevin Fleet Solutions, LLC. 43 Orchard Hill Drive Sharon, MA 02067	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Original Contract Value:	\$225,000.00
Original Contract Dates:	10/01/2015 – 09/30/2016
No. of Option Years in Contract:	5
Option Year 1 Value:	\$200,000.00
Option Year 1 Dates:	10/01/2016 – 09/30/2017
Option Year 2 Value:	\$200,000.00
Option Year 2 Dates:	10/01/2017 – 09/30/2018
Option Year 3 Value:	\$200,000.00
Option Year 3 Dates:	10/01/2018 – 09/30/2019
Option Year 4 Value:	\$150,000.00
Option Year 4 Dates:	10/01/2019 – 09/30/2020
Prior Modification Value:	\$20,000.00
Prior Modification Dates:	10/01/2019 – 09/30/2020
Option Year 5 Value:	\$125,000.00
Option Year 5 Dates:	10/01/2020 – 09/30/2021

Purpose of the Contract:

This contract provides Fleet Management Information System (FMIS) IT Professional Services to DC Water’s Department of Fleet Management. The proprietary FMIS software – “FleetWave” can only be upgraded and customized by Chevin Fleet Solutions.

Contract Scope:

The contractor has provided DC Water IT Professional services for 9 years in the areas of integration, system upgrades, business process improvements and re-engineering of the Authority’s Fleet Management Information System (FMIS) - FleetWave. The contractor continues to provide further development, implementation, system upgrades and various customizations within the FMIS.

Spending Previous Year:

Cumulative Contract Value:	10/01/2015 to 09/30/2020: \$995,000.00
Cumulative Contract Spending:	10/01/2015 to 07/30/2020: \$988,168.57

Contractor’s Past Performance:

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

No LSBE participation

PROCUREMENT INFORMATION


Contract Type:	Fixed Hourly Rate	Award Based On:	Sole Source
Commodity:	IT Services	Contract Number:	16-PR-DFM-07
Contractor Market:	IT Professional Services		

BUDGET INFORMATION

Funding:	Operating	Department:	DFM
Service Area:	Fleet Maintenance Facility	Department Head:	Timothy Fitzgerald

ESTIMATED USER SHARE INFORMATION

User	Share %	Dollar Amount
District of Columbia	87.73%	\$109,662.50
Washington Suburban Sanitary Commission	9.22%	\$11,525.00
Fairfax County	1.76%	\$2,200.00
Loudoun Water	0.80%	\$1,000.00
Other (PI)	0.49%	\$612.50
TOTAL ESTIMATED DOLLAR AMOUNT	100.00	\$125,000.00

 Esq. / 09/02/2020
 Maureen Holman Date
 EVP of Administration


Digitally signed by Dan Bae
 DN: cn=U.S., email=bae@shwater.com, o=District of
 Columbia Water and Sewer Authority, ou=DFM of
 Program and Compliance, cn=Dan Bae
 Date: 2020.09.02 11:30:13-0400
 Dan Bae Date
 VP of Procurement and Compliance

Matthew T. Brown
Digitally signed by
 Matthew T. Brown
 Date: 2020.09.02
 16:31:01 -0400
 Matthew T. Brown Date
 Chief Financial Officer and EVP, 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 MODIFICATION

For Temporary Staffing Services

(Joint Use and Non-Joint Use)

Approval to execute option year 4 for Mb Staffing Services LLC for \$1,318,610.56 and Premier Staffing Source Inc. in the amount of \$155,000 for a total combined value of \$1,473,610.56.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Mb Staffing Services LLC 819 7 th St. Suite 311 Washington, DC 20001 LBE	N/A	100%
Premier Staffing Source Inc. 4640 Forbes Boulevard, Suite # 200A Lanham, MD 20706 LBE	N/A	100%

DESCRIPTION AND PURPOSE

	<u>Mb Staffing</u>	<u>Premier Staffing</u>
Original Contracts Value:	\$200,000.00	\$200,000.00
Original Contracts Dates:	11-01-2016 – 10-31-2017	11-01-2016 – 10-31-2017
No. of Option Years in the Contract:	4	4
Base Year Modification Value:	\$319,912.31	\$0.00
Base Year Modification Dates:	04-01-2017 – 10-31-2017	
Option Year No.1 Value:	\$1,299,689.60	\$100,000.00
Option Year No.1 Dates:	11-01-2017 – 10-31-2018	11-01-2017 – 10-31-2018
Option Year No. 2 Value:	\$2,030,300.00	\$648,862.00
Option Year No. 2 Dates:	11-01-2018 – 10-31-2019	11-01-2018 – 10-31-2019
Option Year 2 Modification Value:	\$187,200.00	\$12,800.00
Option Year 2 Modification Dates:	10-01-2019 – 10-31-2019	10-01-2019 – 10-31-2019
Option Year No. 3 Value:	\$1,009,026.16	\$173,000.00
Option Year No. 3 Dates:	11-01-2019 – 10-31-2020	11-01-2019 – 10-31-2020
Option Year No.3 Modification Value:	\$410,657.91	\$408,795.00
Option Year No.3 Modification Dates:	10-04-2019 – 10-31-2020	11/05/2019 – 10-31-2020
Option Year No. 4 Value:	\$1,318,610.56	\$155,000.00
Option Year No. 4 Dates:	11-01-2020 – 10-31-2021	11-01-2020 – 10-31-2021

Purpose of the Contract:

To supply Temporary Staffing Services for DC Water. The different departments submit individual requests for temporary staffing services as their need arises.

Contract Modification:

This action is to exercise Option Year 4. The breakdown of Capital budget of \$936,000.00 and Operating budget of \$537,610.56.

Department-Unit	Operating Budget	Capital Budget
Engineering		\$880,000.00
Customer Service	\$143,000.00	\$56,000.00
Procurement-Water Works	\$175,000.00	
Waste-Water Treatment	\$219,610.56	
TOTAL	\$537,610.56	\$936,000.00

Spending Previous Year:

Cumulative Contracts' Value: 11-01-2016 to 10-31-2020: \$6,589,585.07
 Cumulative Contracts' Spending: 11-01-2016 to 08-03-2020: \$5,640,186.96

Contractor's Past Performance:

According to the COTR, the Contractor's quality and 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 Hourly Rate	Award Based On:	Highest Ratings
Commodity:	Good and Services	Contract Number:	16PRHCM44AC/AD
Contractor Market:	Open Market with Preference Points for LBE and LSBE Participation		

BUDGET INFORMATION

Funding:	Operating	Department:	DC Water Wide
Project Area:	DC Water Wide	Department Head:	Lisa Stone

ESTIMATED USER SHARE INFORMATION

User – Operating	Share %	Dollar Amount
District of Columbia	43.44%	\$233,538.03
Washington Suburban Sanitary Commission	41.95%	\$225,527.63
Fairfax County	9.79%	\$52,632.07
Loudoun Water	4.23%	\$22,470.93
Other (PI)	0.59%	\$3,171.90
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$537,610.56

BUDGET INFORMATION

Funding:	Capital	Department:	DC Water Wide
Service Area:	DC Water Wide	Department Head:	Kishia Powell
Project:	CW-GIBP, TZ-GIBP		

User - Capital	Share %	Dollar Amount
District of Columbia	41.22%	\$103,462.20
Washington Suburban Sanitary Commission	45.84%	\$115,058.40
Fairfax County	8.38%	\$21,033.80
Loudoun Water	3.73%	\$9,362.30
Other (PI)	0.83%	\$2,083.30
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$251,000.00

BUDGET INFORMATION			
Funding:	Capital Equipment	Department:	Customer Experience
Service Area:	DC Water Wide	Department Head:	Carolyn MacKool
Project:	EQP2340SIN		

User - Capital	Share %	Dollar Amount
District of Columbia	100%	\$56,000.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$56,000.00

BUDGET INFORMATION			
Funding:	Capital	Department:	DC Water Wide
Service Area:	DC Water Wide	Department Head:	Kishia Powell
Project:	FQ-CAPM, GR-CAPM, A4-CAPM		

User - Capital	Share %	Dollar Amount
District of Columbia	100%	\$629,000.00
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$629,000.00

Lisa Stone Digitally signed by Lisa Stone
 Date: 2020.09.08 13:32:32
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 Lisa Stone Date
 Chief People and Inclusion Officer and EVP of People and Talent

 9/10/20

Kishia L. Powell Date
 Chief Operating Officer

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 DN: cn=Dan Bae, o=DC Water and Sewer Authority, ou=VP of Procurement & Compliance, cn=Dan Bae
 Date: 2020.09.10 14:57:43-04'00'

 Dan Bae Date
 VP of Procurement and Compliance

Matthew T. Brown Digitally signed by Matthew T. Brown
 Date: 2020.09.11 16:10:51
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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

GOODS AND SERVICES PURCHASE ORDER AWARD

**IT Professional Services
(Joint Use)**

Approval to fund a contract for three years for \$5,799,482.46. For Microsoft licenses and software maintenance.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: Dell Marketing LP One Dell Way Round Rock TX 78680	SUBS: N/A	PARTICIPATION: N/A
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DESCRIPTION AND PURPOSE

Total Contract Value:	\$5,799,482.46
Original Contract Dates:	10-02-2020 –10-06-2023
No. of Option Years in Contract:	2
Proposals received:	4
Proposal Range:	\$5,799,482.46 - \$6,072,365.41

Purpose and Scope of the Contract:

To contract for the purchase of annual Microsoft licenses and annual software maintenance (renewal) Various Microsoft Suite products are used throughout the District of Columbia Water and Sewer Authority.

The forecasted amount of \$5,799,482.46 allows for software licenses and Microsoft Suite products to be purchased for the next three-year period. The Microsoft Agreement of Understanding include tools such as Microsoft Office, Teams, Visio, SQL Server, Azure Monetary Commitments, Power BI, Project Plan, among others. The actual contract amount will be awarded annually via issuance of a Purchase Order.

The procurement method utilized was and RFQ (Request for Quotation) to Certified Microsoft Gold Partners, which is DC Water’s minimum required qualification to support our Microsoft environment. Four proposals were received.

Award is based on the lowest price and minimally acceptable Microsoft partnership level.

Future Fiscal Year funding is dependent upon Funds availability and Budget approval.

No LBE / LSBE participation.

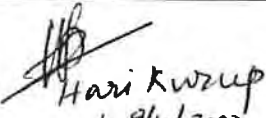
PROCUREMENT INFORMATION

Contract Type:	Fixed Fee	Award Based On:	Lowest Cost Technically Acceptable
Commodity:	Software Renewal	Contract Number:	20-PR-DIT-43
Contractor Market:	Open Market		


BUDGET INFORMATION

Funding:	Operating	Department:	IT
Project Area:	DC Water Wide	Department Head:	Thomas L. Kuczynski

Joint User – Operating	Share %	Dollar Amount
District of Columbia	87.73%	\$5,087,885.96
Washington Suburban Sanitary Commission	9.22%	\$534,712.28
Fairfax County	1.76%	\$102,070.89
Loudoun Water	0.80%	\$46,395.86
Other (PI)	0.49%	\$28,417.46
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$5,799,482.46

On behalf of
Tom

Date 9/4/2020


Thomas L. Kuczynski
VP Information Technology


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: 2020.09.04 13:17:47-04'00'

Dan Bae
VP of Procurement and Compliance

Matthew T. Brown
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Matthew T. Brown
Date: 2020.09.10
17:17:10 -04'00'

Matthew T. Brown
CFO and EVP of Finance and Procurement


Date
David L. Gadis
General Manager and CEO

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

ACTION REQUESTED

**GOODS AND SERVICES PURCHASE ORDER FUNDING
For Telecommunication Services
(Joint Use)**

This action is to fund Purchase Orders for FY21 Telecommunication Services: \$348,300.00 for Wireless Service through Verizon Wireless, and \$1,390,150.00 for Verizon Inc. This action totals \$1,738,450.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Verizon Inc. 2055 L St. NW Washington DC, 20036	N/A	N/A
Verizon Wireless 10170 Junction Drive, Suite 200 Annapolis Junction, MD 20701	N/A	N/A

DESCRIPTION AND PURPOSE

	<u>Verizon</u>	<u>Verizon Wireless</u>
Funding Value:	\$1,390,150.00	\$348,300.00
Funding Dates:	10-01-2020 – 09-30-2021	10-01-2020 – 09-30-2021

Purpose of the funding:

To supply Analog Telephone Services, Wireless Internet Services, SCADA Network System, Transparent LAN Services (TLS) Security Service, Data Network Circuits and other Telecommunication Services throughout the Authority.

Funding action:

This funding is so DC Water can continue with current telecommunication services provided by Verizon and Verizon Wireless through GSA agreements (GS35F0119P and GS11T08BJD6001). These funds are to provide telecommunication services for FY21.

Spending Previous Year:

Verizon Previous Year Spend:	08-11-2019 to 08-11-2020:	\$ 1,641,197.62
Verizon Wireless Previous Year Spend:	08-11-2019 to 08-11-2020:	\$ 355,153.60

Contractor's Past Performance:

According to the Information Technology Department, the supplier's quality of services and timeliness of deliverables, conformance to DC Water's policies, procedures and contract terms, and invoicing; all meet expectations and requirements.

No LSBE Participation

PROCUREMENT INFORMATION

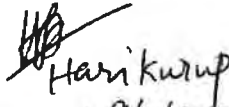
Contract Type:	GSA / WITS	Award Based On:	Riding GSA/ WITS Contract
Commodity:	Good and Services	Contract Number:	GS35F0119P; GS11T08BJD6001
Contractor Market:	Open Market		

BUDGET INFORMATION

Funding:	Operating	Department:	Information Technology
Project Area:	DC Water Wide	Department Head:	Thomas L. Kuczynski


ESTIMATED USER SHARE INFORMATION

User – Operating	Share %	Dollar Amount
District of Columbia	87.73%	\$1,525,142.19
Washington Suburban Sanitary Commission	9.22%	\$160,285.09
Fairfax County	1.76%	\$30,596.72
Loudoun Water	0.80%	\$13,907.60
Other (PI)	0.49%	\$8,518.41
TOTAL ESTIMATED DOLLAR AMOUNT	100.00%	\$1,738,450.00

On behalf of Tom 
 Date: 9/14/2020
 Thomas L. Kuczynski
 VP of Information Technology


 Digitally signed by Dan Bae
 DN: cn=US, e=Dan.bae@dcwater.com,
 o=District of Columbia Water and Sewer
 Authority, ou=VP of Procurement &
 Compliance, cn=Dan Bae
 Date: 2020.09.04 13:18:07-04'00'
 Dan Bae
 VP of Procurement and Compliance

Digitally signed by
 Matthew T. Brown
 Date: 2020.09.11
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 Matthew T. Brown
 CFO and EVP of Finance and Procurement


 Date
 David L. Gadis
 CEO and General Manager

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

ACTION REQUESTED

CONSTRUCTION CONTRACT:

**Emergency Sewer Main IR&R Contract for FY2021 – FY2024
(Joint Use)**

Approval to execute a construction contract for \$16,011,710.00

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Spiniello Companies 3500 East Biddle St. Baltimore, MD 21213	Shekinah Group, LLC Catonsville, MD	MBE 19.3%
	Thomas Construction Group, LLC Lusby, MD	MBE 10.9%
	Arthur Engineering Services, LLC Laurel, MD	MBE 2.3%
	SJ & Son Construction & Trucking, LLC Hyattsville, MD	MBE 1.3%
	Resource Industries, LLC Washington, DC	MBE 0.4%
	Savin Engineers, P.C. Bridgewater Township, NJ	MBE 0.3%
	Sunrise Safety Services, Inc Glen Burnie, MD	WBE 6.5%

DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed:	\$16,011,710.00
Contract Time:	1095 Days (3 Years)
Anticipated Contract Start Date (NTP):	11/01/2020
Anticipated Contract Completion Date:	10/31/2023
Bid Opening Date:	06/03/2020
Bids Received:	3
Other Bids Received:	
Anchor Construction Corporation	\$16,689,431.40
Fort Myer Construction Corporation	\$21,521,932.40

Purpose of the Contract:

This contract provides emergency and urgent sewer infrastructure rehab and replacement services at various public space locations in Washington, DC.

Contract Scope:

DC Water will award an Indefinite Delivery and Indefinite Quantity (IDIQ) contract to the selected contractor. As emergency or urgent work is identified, DC Water Sewer Operations will develop scopes of work, negotiate costs using pre-established pricing, and issue task orders to the contractor. Joint-use cost share amounts will be determined, communicated and billed per existing joint-use procedures. Typical task order scopes may include:

- Emergency or Scheduled Rehab and Replacement of Sewer & Infrastructure
- Cleaning & CCTV Inspection of Sewer Main
- Sewer Bypass Pumping

Federal Grant Status:

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

PROCUREMENT INFORMATION

Contract Type:	Unit Price	Award Based On:	Best Value
Commodity:	Construction	Contract Number:	200020
Contractor Market:	Open Market		

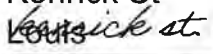
BUDGET INFORMATION

Funding:	Capital	Department:	Sewer Services
Service Area:	Sanitary, Combined Sewer, Storm Water	Department Head:	Kenrick St. Louis
Project:	LN, LO, M9, M8, MF, MG		

***ESTIMATED USER SHARE INFORMATION**

User	Share %	Dollar Amount
District of Columbia	100.00%*	\$ 16,011,710.00
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%	\$ 16,011,710.00

* Because the purpose of this contract is to address emergency and urgent sewer main rehabs, the location and scope of future task orders is currently unknown. As individual projects are developed, DC Water will determine joint-use share information for each task order. Individual joint-use organizations will be notified and billed accordingly as tasks are developed and work is assigned during the contract performance period.


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 Date: 2020.09.03 12:02:15 -04'00'

 Kenrick St. Louis Date
 VP of Pumping and Sewer Operations


 Digitally signed by Dan Bae
 DN: cn=Dan Bae, o=DC Water, ou=DC Water, email=dan.bae@dcwater.com
 Date: 2020.09.03 12:18:15 -04'00'

 Dan Bae Date
 VP of Procurement and Compliance

Matthew T. Brown
 Digitally signed by Matthew T. Brown
 DN: cn=Matthew T. Brown, o=DC Water, ou=DC Water, email=matthew.t.brown@dcwater.com
 Date: 2020.09.03 16:21:01 -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:

**Low Service 66 Inch Steel Water Main
(Non-Joint Use)**

Approval to execute Change Order No. 002 for \$533,340.31. The modification exceeds the General Manager's approval authority.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:	SUBS:	PARTICIPATION:
Northeast Remsco Construction, Inc. 1433 Route 34 South Suite B1 Farmingdale, NJ 07727	Refer to Attachment A	

DESCRIPTION AND PURPOSE

Original Contract Value:	\$5,117,900.00	
Value of this Change Order:	\$533,340.31	
Cumulative CO Amount, including this CO:	\$863,340.31	
Total Contract Value, including this CO:	\$5,981,240.31	
Original Contract Time:	365 Calendar Days	(1 Year)
Time extension, this CO:	173 Calendar Days	
Total CO contract time extension:	173 Calendar Days	(6 Months)
Contract Start Date (NTP):	07-23-2018	
Contract Completion Date:	01-13-2020	
Cumulative CO % of Original Contract:	16.87%	
Contract completion %:	100%	

Purpose of the Contract:

To inspect the 66-inch steel water main and construct entry ports along the corresponding pipe segment, providing access to the interior of the pipe for inspection and potential repairs.

Original Contract Scope:

- Shutdown and dewatering of approximately 17,000 feet of a 66-inch steel water main
- Construction of 9 access/entry ports to provide access to the 66-inch steel water main
- Installation of a new 66-inch butterfly valve
- Installation of cathodic protection at each access entry port location
- Completion of any necessary repairs identified during the inspection portion of the contract

Previous Change Order Scope:

- DC Water could not shutdown the 66" transmission main on February 25, 2019, as was contract plan, to allow the contractor to install the valve, perform the required inspection and return the main to service by May 1, 2019 as required, due to a delayed Washington Aqueduct (WAD) outage for repair of the Southwest Clear Well at MacMillian Reservoir
- As a result, DC Water was forced to postpone the 66-inch Low Service Water Main shutdown to October 2019 following the summer high demand season

- DC Water and contractor attempted to mitigate this delay by proactively excavating the butterfly valve location, however; It was subsequently determined that the traffic control plans and DDOT occupancy permits could not be obtained in time to allow the disinfection to take place and the pipe returned to service, by May 1, 2019
- DC Water directed the contractor to back-fill and restore the valve excavation for traffic safety and community considerations: noise, traffic disruptions, etc.

Current Change Order Scope:

- Current change order scope compensates the Contractor for compensable time delays associated with the Summer 2019 work stoppage
- Originally, the 66-inch steel water main was required to be returned to DC Water by 05/01/2019, a contractual milestone. Due to the Summer 2019 work stoppage, while the pipe was required to be back in service to meet high water demand, the project experienced a series of delays resulting in a portion of the scope being moved to the Fall of 2019

PROCUREMENT INFORMATION			
Contract Type:	Fixed Price	Award Based On:	Lowest responsive, responsible bidder
Commodity:	Construction	Contract Number:	170020
Contractor Market:	Open Market		

BUDGET INFORMATION			
Funding:	Capital	Department:	Engineering and Technical Services
Service Area:	Water	Department Head:	Craig Fricke
Project:	C9		

ESTIMATED USER SHARE INFORMATION		
User	Share %	Dollar Amount
District of Columbia	100.00%	\$533,340.31
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%	\$533,340.31

Leonard R. Benson _____ September 10, 2020
 Leonard R. Benson _____
 SVP, CIP Project Delivery _____
 Date

Dan Bae _____ September 10, 2020
 Dan Bae, VP _____
 Procurement and Compliance _____
 Date

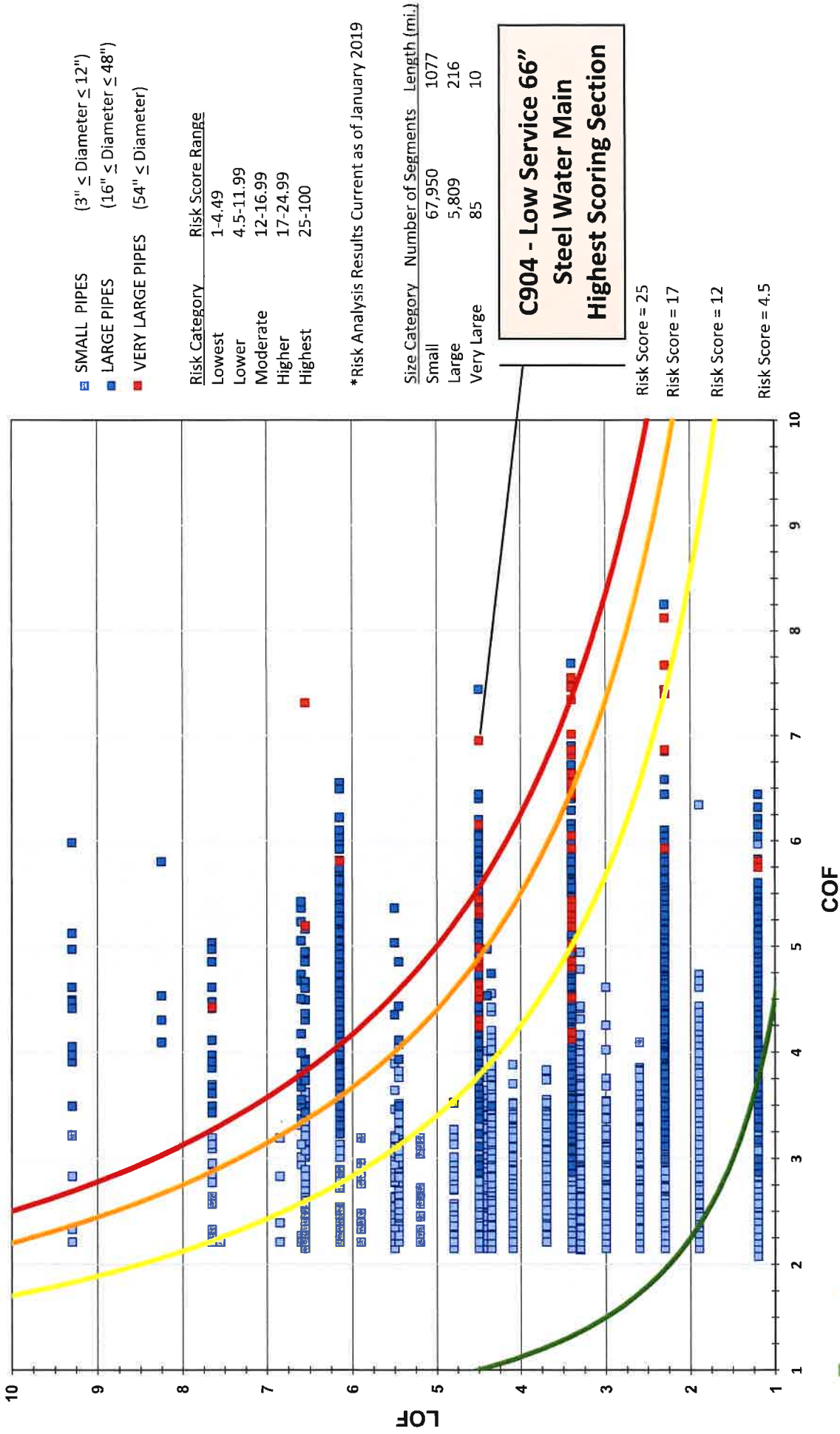
Matthew T. Brown _____ September 10, 2020
 Matthew T. Brown _____
 CFO and EVP _____
 Finance and Procurement _____
 Date

David L. Gadis _____
 CEO and General Manager _____
 Date

**CONSTRUCTION CONTRACT CHANGE ORDER 170020
ATTACHMENT A - MBE/WBE SUBCONTRACTOR PARTICIPATION**

PARTY INFORMATION		
PRIME:	SUBS:	PARTICIPATION:
Northeast Remsco Construction, Inc. 1433 Route 34 South, B1 Farmingdale, NJ 07727	Atlas Foundation of Washington Temple Hills, MD	MBE 5.1%
	M. Barbosa Construction Co., Inc. Rockville, MD	MBE 4.3%
	Pronto Paving Hyattsville, MD	MBE 1.7%
	Capitol Development Design, Inc. Beltsville, MD	MBE 0.7%
	Strum Contracting Company, Inc. Baltimore, MD	MBE 0.6%
	Envision Consultant Mullica Hill, NJ	MBE 0.3%
	Dulles Geotech & Material Testing Services Chantilly, VA	MBE 0.1%
	Atlantic Traffic Safety Ocean City, MD	WBE 6.4%
	RAM Construction, Inc. Olney, MD	WBE 3.9%

Consequence of Failure (COF) and Likelihood of Failure (LOF) Water System - Pipe Size Distribution



 PICA- PIPELINE INSPECTION & CONDITION ANALYSIS CORPORATION

A total of four (4) 0.75-in diameter wooden plugs were identified in the inspected sections of the pipeline, with one (1) plug in segment #119 (AV-116), two (2) plugs in segment #120 (AV-117 and AV-119), and one (1) plug in segment #121 (AV-120). The plugs protrude approximately 2-3 inches into the pipeline, are believed to be previous repairs to the water main. These plugs have been coded as *Point Repair Other* (RPZ) in the PACP Tabular Reports. An example of one of the wooden plugs from segment #120 is shown below in Figure 23.



Figure 23. A 0.75-inch diameter wooden plug identified in segment #120, protruding approximately 2" into the pipeline.

Throughout the 8th St Low Service Water Main, PICA's visual inspection encountered areas where CTE lining defects suspected to have started as small sporadic blisters had opened up ("popped" or ruptured). These open blisters appear as almost perfectly milled circles – sometimes with significant depth. See Figure 24 below, which shows three examples of open blisters in close proximity to two (still) closed blisters. While the opened blisters can be deep (PICA measured up to 0.11" deep – See Figure 25), they typically still have coating remaining at the bottom of the blister. Areas with missing lining due to the opening up of blisters were typically categorized as delamination (missing lining) with a score of 1.



District of Columbia Water and Sewer Authority
David L. Gadis, CEO and General Manager

Briefing on:

DC Clean Rivers Project Quarterly Update

Briefing for:

Environmental Quality & Operations Committee Meeting

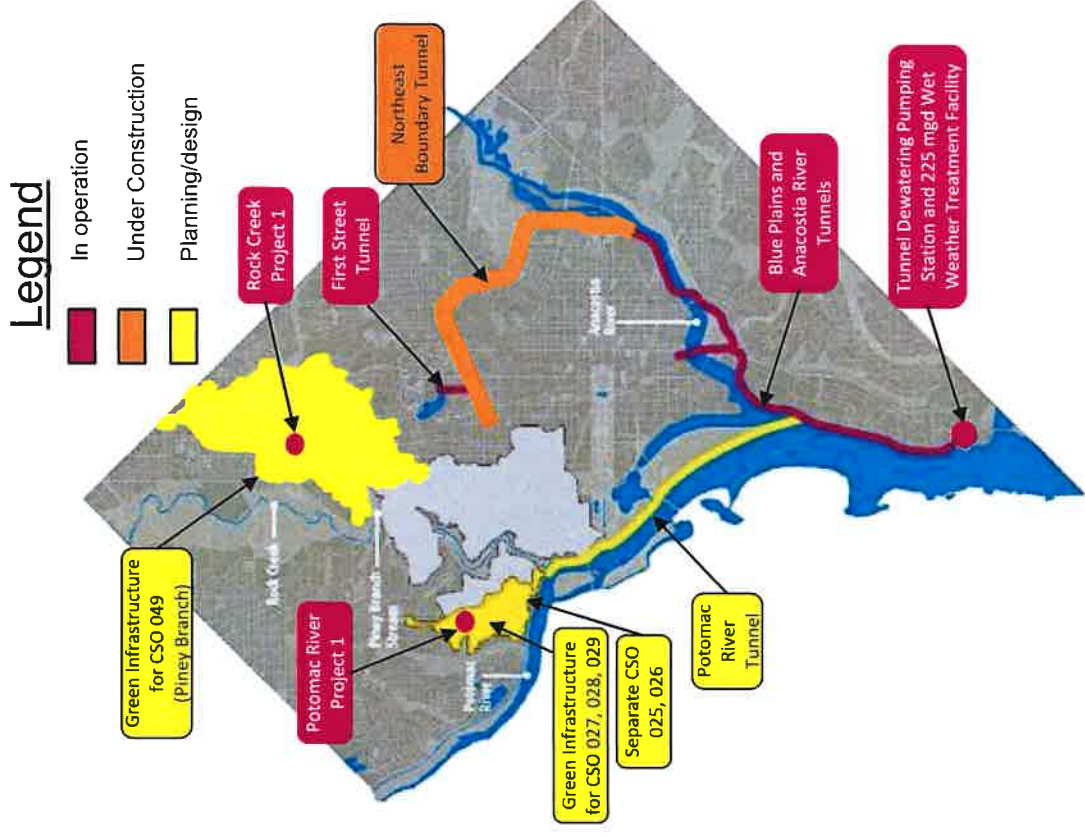


September 17, 2020

DCWATER.COM

Project Status

- First phase of the Anacostia River tunnel system commissioned on March 20, 2018.
 - Provides control for all CSOs along the Anacostia River
 - Provides about 100 million gallons of storage
- Northeast Boundary Tunnel, currently under construction, will increase CSO storage and flood risk mitigation.
 - Adds about 90 million gallons of storage
- Submitted practicability assessments for Rock Creek and Potomac River Green Infrastructure Projects to EPA.
- CSO 025/026 Sewer Separation Project currently in procurement.
- Potomac River Tunnel design underway.



Anacostia Tunnel System Performance Since March 20, 2018

Month	Rainfall, DCA Gauge (in)	Volume Captured by Tunnel (MG)	Measured Overflow (MG)	% captured
March 20 -31, 2018	1.48	20	0	100%
April 2018	3.59	249	10	96.0%
May 2018	8.73	860	13	98.5%
June 2018	5.21	265	47	85.0%
July 2018	9.73	679	260	72.3%
August 2018	5.19	334	14	95.9%
September 2018	9.73	784	116	87.1%
October 2018	3.06	164	0	100%
November 2018	7.57	777	5	99.3%
December 2018	5.82	468	100	82.3%
January 2019	3.30	259	0	100%
February 2019	3.52	74	0	100%
March 2019	4.00	337	46	87.9%
April 2019	2.24	77	0.1	99.9%
May 2019	4.97	311	1	99.7%
June 2019	4.27	134	0.1	100%
July 2019	6.49	339	77	81.4%
August 2019	1.99	186	22	89.3%
September 2019	0.25	19	0	100%
October 2019	6.66	450	18	96.2%
November 2019	1.37	55	0	100%
December 2019	2.80	80	0	100%
January 2020	2.79	150	0	100%
February 2020	3.21	143	0.6	99.6%
March 2020	2.31	38	0	100.0%
April 2020	6.30	338	127	72.7%
May 2020	2.49	169	0	100.0%
June 2020	3.51	205	0	99.9%
July 2020	6.51	265	2	99.2%
August 2020	8.00	463	52	89.8%
Total	137.09	8689	913	90.5%

- Nearly **8.7 billion** gallons captured to date
- Nearly 4,100 tons of trash, debris, and other solids captured
- Exceeding predicted capture rate (90%>80%)
- First year in operation was the wettest year on record for the District of Columbia



Trash, Debris and Solids Removal from Screening Shaft at Tunnel Dewatering Pumping Station

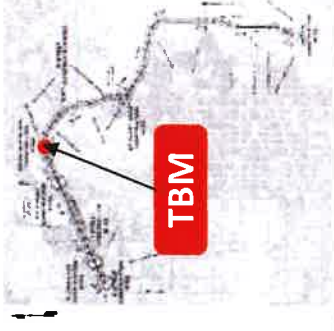
Managing Program Through Covid

- **Clean Rivers Office Staff**
 - Initially: developed 14-day office rotation to minimize risk of spreading Covid
 - Subsequent actions: office staff are teleworking
- **Clean Rivers Field Staff**
 - Procedures for field staff monitoring construction sites to work out of specific offices and to not travel between multiple construction sites to minimize the risk of affecting other groups
- **Construction Contractors**
 - Working with our construction contractors to identifying and implement procedures to minimize contact and spreading of the virus while allowing work to continue
 - Daily temperature checks/assessment of work force
 - Personal protective equipment, social distancing and cleaning
 - No visitors or tours of tunnel
 - Contact tracing and isolation for affected staff
 - Conditions for staff to return to work after illness
- **Northeast Boundary Tunnel Contractor reserved their rights for impacts due to Covid**
 - Confined environment in tunnel presents unique challenges
 - How pandemic plays out in the future will affect the reservation
 - Working with team to minimize impacts on construction

Construction has not been stopped and we continue to meet consent decree deadlines:

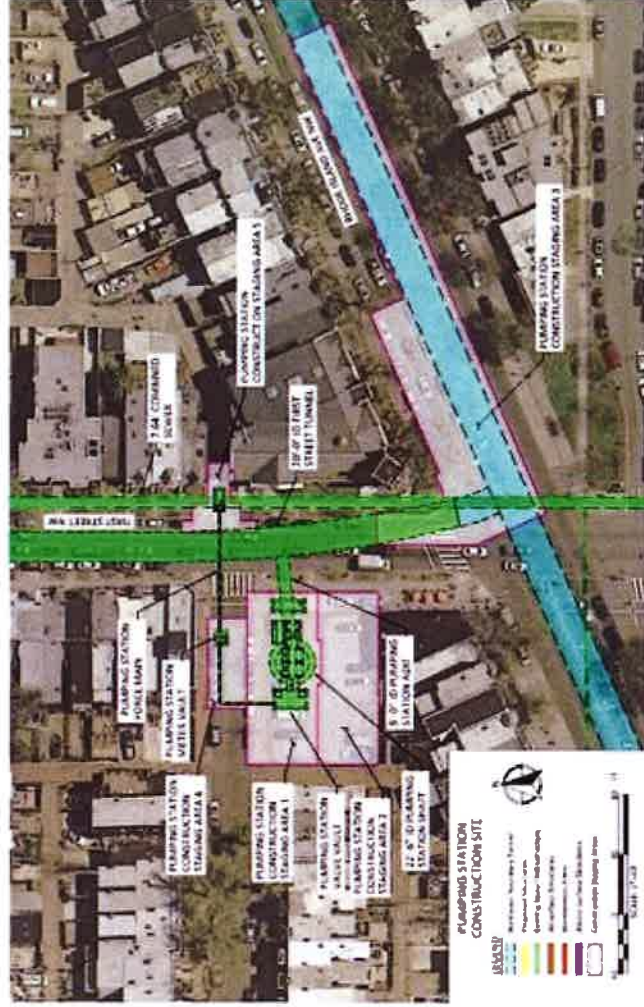
- **Rock Creek & Potomac GI Practicability Assessments submitted on time**
- **CSO 025/026 design completed and procurement underway**
- **Northeast Boundary Tunnel construction continues**

Division J – Northeast Boundary Tunnel Construction Progress - Tunnel



- Tunnel Boring Machine (TBM) excavated 18,320 LF (68.8%) and installed 3,050 Rings.
- Successfully completed Home Depot Retaining Wall Undercrossing.
- Currently mining under Rhode Island Ave. NE.

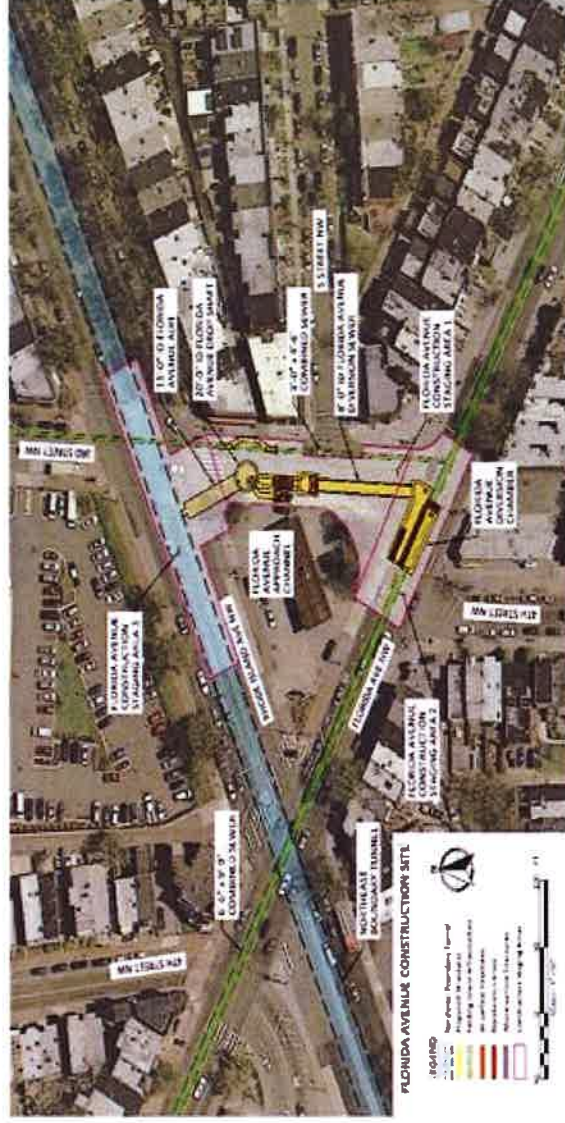
Division J – Northeast Boundary Tunnel Construction Progress – Pumping Station



- Continued ground improvement in the Adit /Tunnel connection. To date 65% of the jet grout columns have been completed.



Division J – Northeast Boundary Tunnel Construction Progress – Florida Ave



- Completed jet grouting for Approach Channel bottom seal plug, part of the support of excavation system.
 - Installing support of excavation system and excavating for Diversion Chamber.
 - Installed portion of horizontal freeze pipe system for the Adit.
- Upgraded maintenance of traffic to improve safety measures at intersection/pedestrian crossings.



Division J – Northeast Boundary Tunnel Construction Progress – R Street



- Continued installation of the support of excavation system for the future near surface structures.
- Completed grouting at the bottom of the Shaft to seal potential fractures in rock, prevent groundwater inflows during shaft excavation.
- Reconfigured site to begin shaft excavation.



Division J – Northeast Boundary Tunnel Community Impact Mitigation



Our Three Main Street Organization Partners Augment Local Businesses during Construction



Main Street Organizations

- Planned funding for Main Streets in 2019 & 2020 is \$900,000
- Memoranda of Agreement (MOAs) amended to allow direct assistance/grants to NEBT-impacted businesses along Rhode Island Ave.
- **North Capitol Main Street:** 19 small businesses received a total of \$150,000 in direct assistance.
- **Rhode Island Ave. Main Street NE:** 17 small businesses received a total of \$120,000 in direct assistance, and over \$60,000 in traditional Main Street assistance.
- **Shaw Main Street:** \$44,900 direct assistance to be provided to local businesses. Total plan funding is \$50,000 for 2020.

Public feedback on construction

- Traffic concerns have not been a major issue, likely due to Covid
- Noise, housekeeping and changes in work phases predominate

Commuter Outreach Program

- **Traffic Advisories and Newsletters:** Distributed to media, residents, and businesses with updates of construction site activity impacts such as lane and street closures, parking restrictions, pedestrian and bicycle detours, and work schedules and durations.
- **Media Buy:** 2019 Campaign Funds spent total \$250,000 to date on on-air project messages on WTOG and WHUR radio stations, reaching over 1.5 million listeners in 6 months. No further funding has been expended for 2020 due to District pandemic restrictions on businesses which drastically reduced traffic. Preparing for another media buy as businesses begin to open and resulting commuting increases.

- **24/7 Hotline:** Callers to the hotline are able to access information without leaving a message. Messages from callers are responded to directly, usually within 24 hours of call. A log of all calls, their status and resolution are submitted weekly



CSO 025/026 Sewer Separation Project

- Procurement underway. Technical and Price Proposals are due September 16, 2020.
- Utility investigation trench work with DC Water MFU contractor completed. Additional work due to structures found is underway.
- Ongoing coordination with District and utility agencies for approvals prior to contract award.
- Ongoing coordination with Advisory Neighborhood Commission, Georgetown Business Improvement District, and community on project status.



Results of Practicability (DC Water Met Consent Decree Deadlines)

Rock Creek

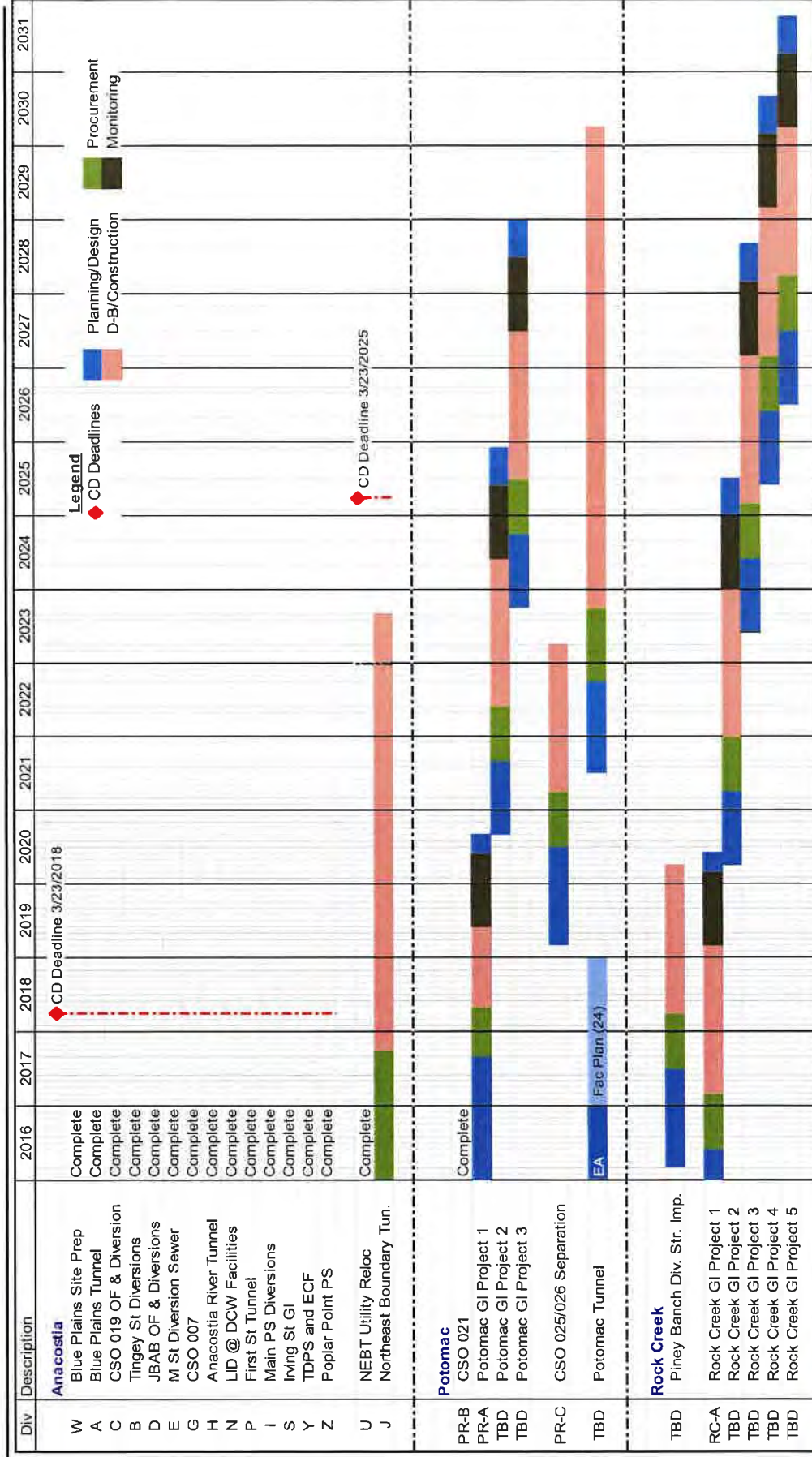
- Submitted to EPA 6/12/2020
- EPA has 180 days to approve
- DC Water recommended hybrid approach
- Construct mix of gray and green to optimize benefits
 - 4.2 mg gray storage
 - 3.0 mg of DC Water GI
 - 2.3 mg credit GI constructed per DC Stormwater Regulations



Potomac River

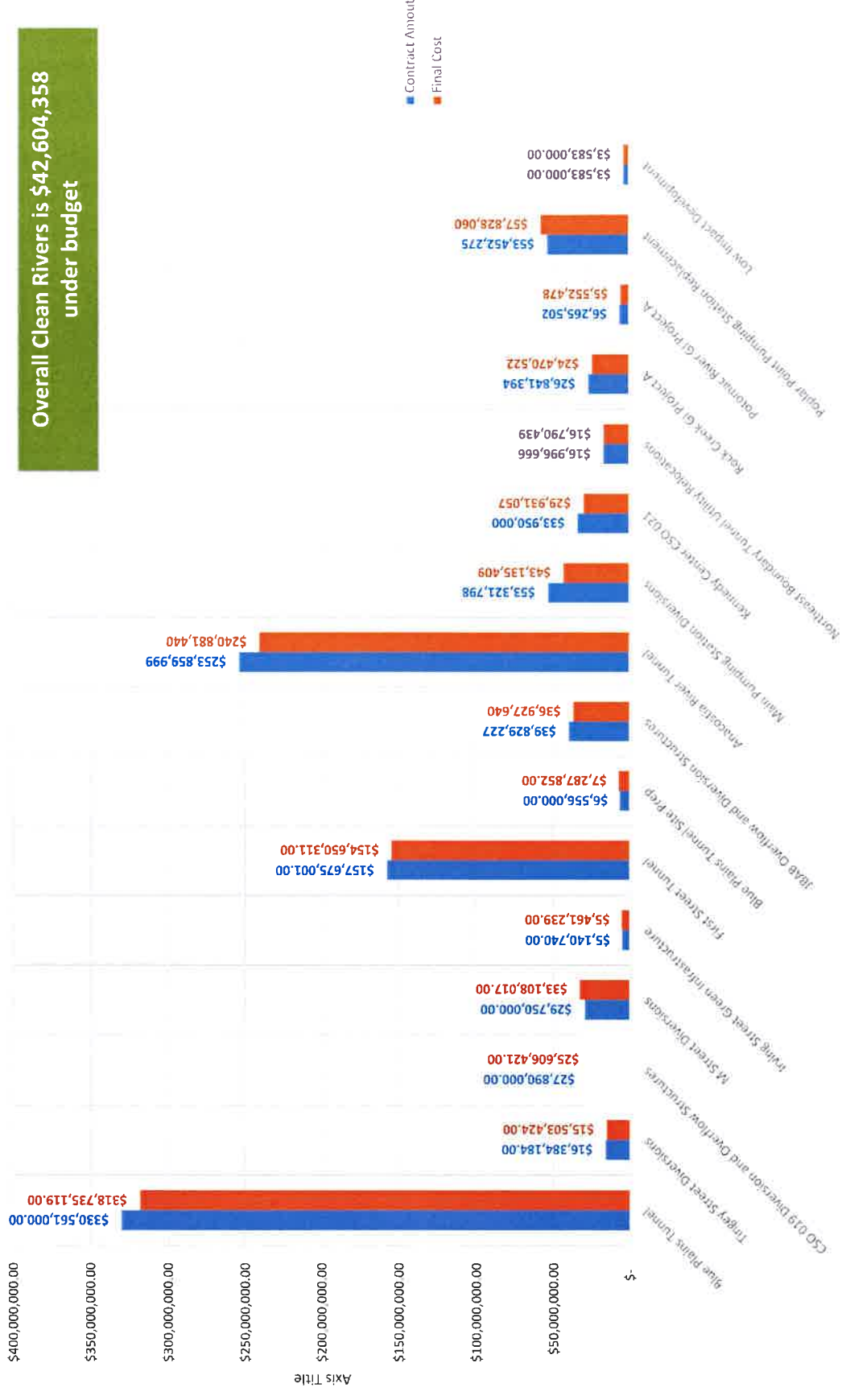
- Submitted to EPA 8/13/2020
- EPA has 180 days to approve
- DC Water recommended that GI is impracticable on the Potomac due to historic District
- Recommend extending Potomac Tunnel to CSO 029

DC Clean Rivers Schedule



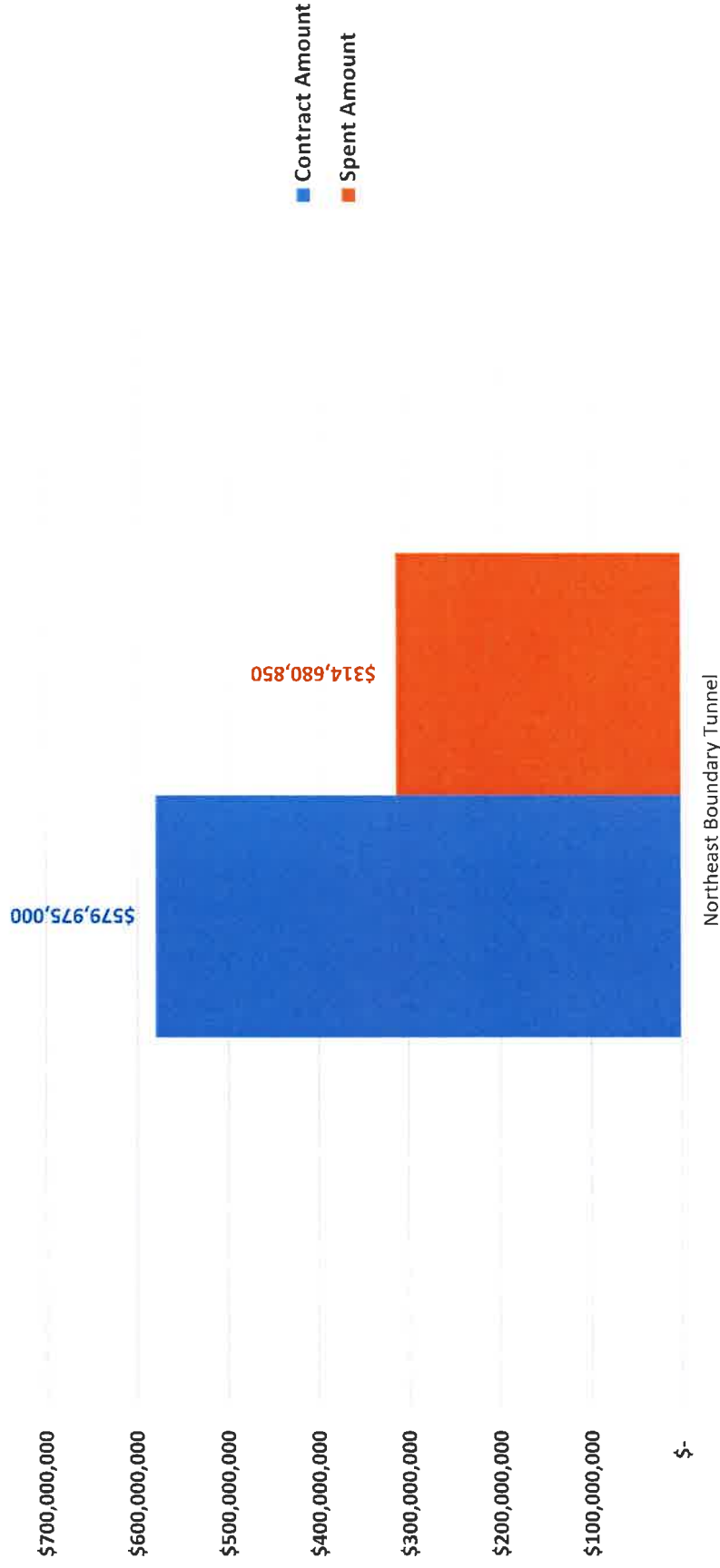
Clean Rivers Budget for Completed Contracts

Clean Rivers Construction Contract Amounts Vs Final Cost



Clean Rivers Budget for Northeast Boundary Tunnel

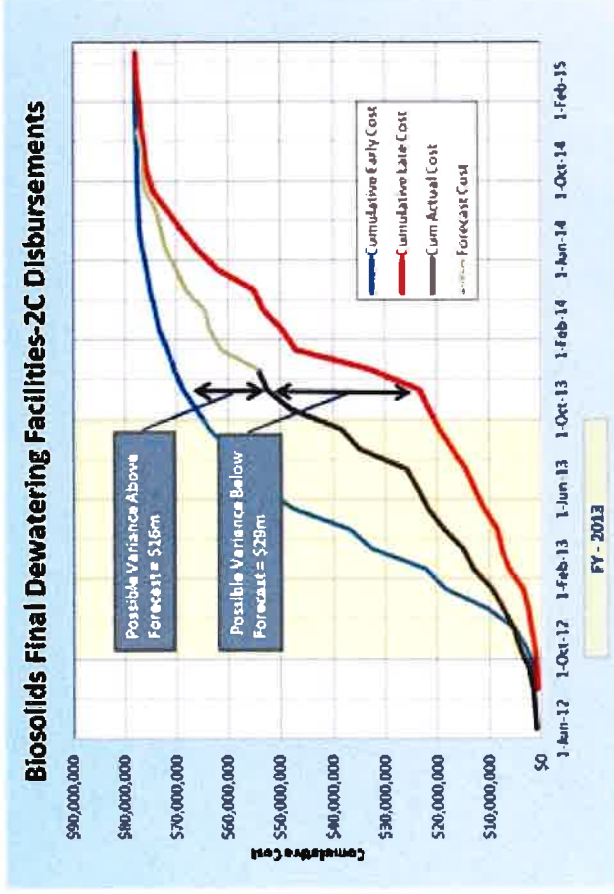
Nottheast Boundary Tunnel Contract Amounts Vs Spent Amounts



Clean Rivers expenditures to date on the Northeast Boundary Tunnel are not expected to exceed the budget

Clean Rivers Disbursements

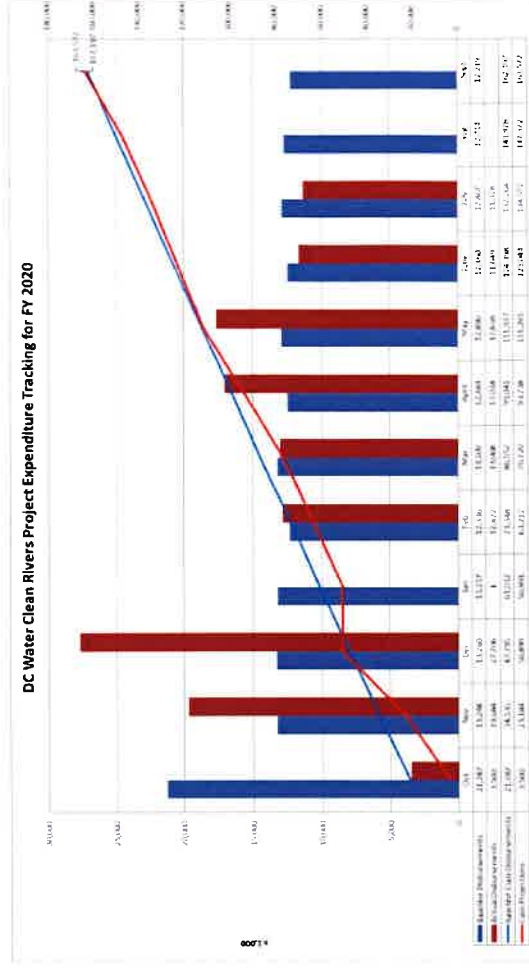
Contractor can complete noncritical work early or late and still be on time; two different curves.



“A comparison of actual disbursements with projected disbursements is not an accurate indicator of project, program, service area or CIP health!”

Source: Dave McLaughlin, March 2014 presentation to EQ&SS and Finance & Budget Committees

Clean Rivers is projected to meet its planned disbursements for fiscal year 2020



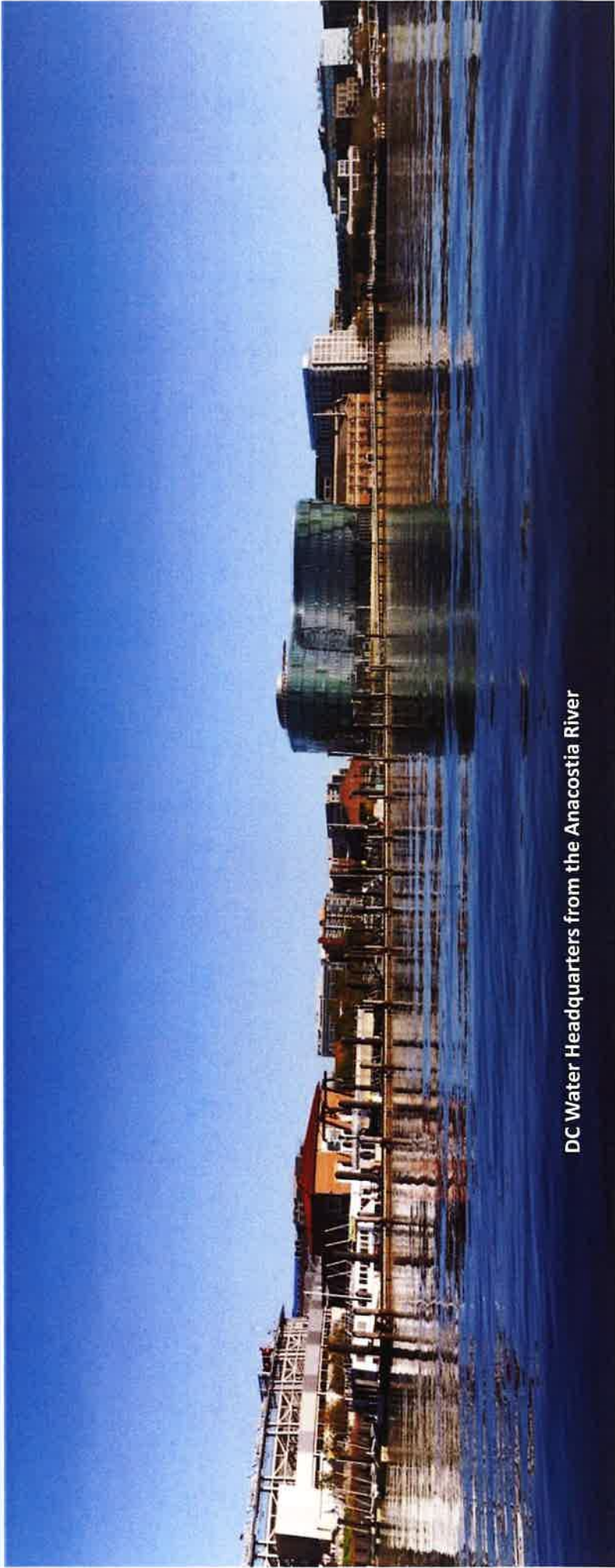
During January, no payments were posted to the system due to delayed submittal of invoices by the Northeast Boundary Tunnel Design Builder. DCCR is expected to meet its fiscal spending goal.



Environmental Quality and Operations Committee Proposal and Contract Review Process

September 17, 2020

District of Columbia Water and Sewer Authority
Dan Bae, Vice President of Procurement and Compliance



DC Water Headquarters from the Anacostia River



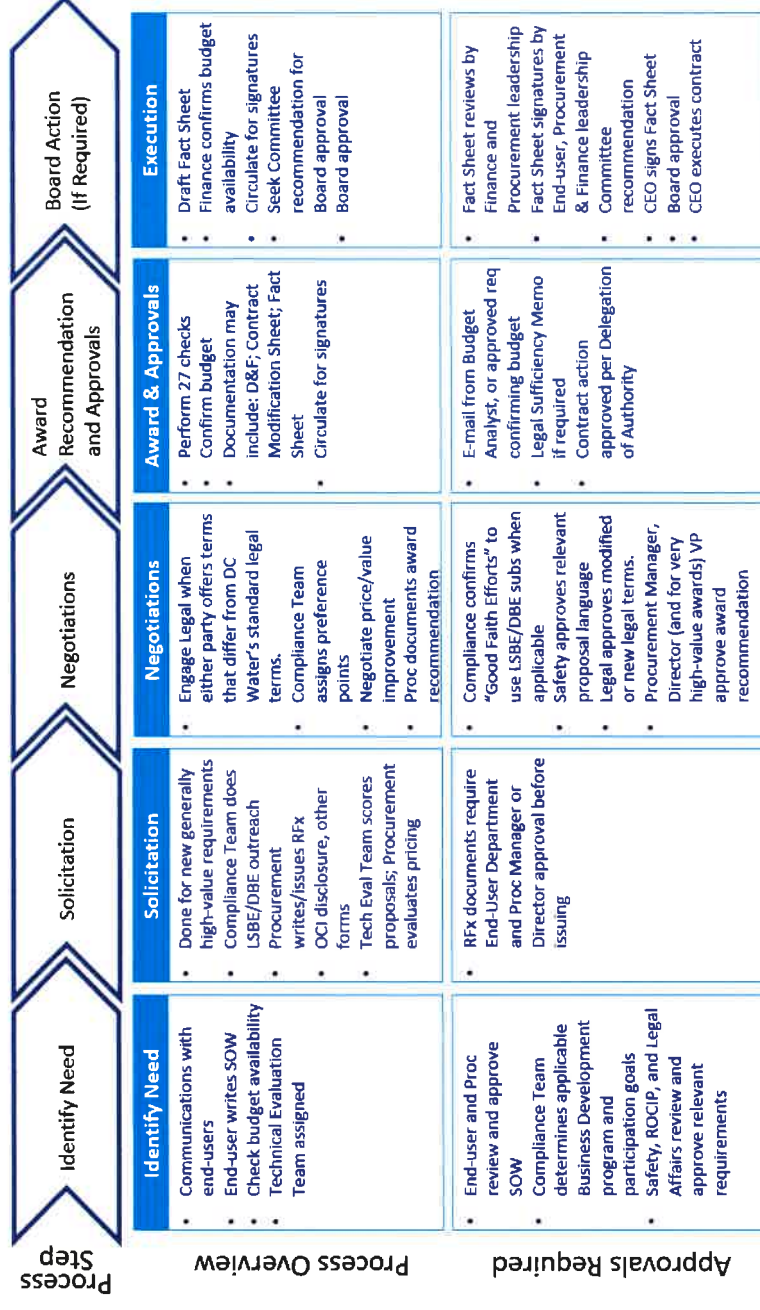
Question from Committee

- ❖ Process to verify contracts and proposals prior to being presented to the Committee



The process to get to a contract action is well-defined, with many checks and approvals along the way

- ❖ All proposals are reviewed by the evaluation committee made of subject matter experts from cross departments including engineering, procurement, legal, compliance, and safety.
- ❖ Prior to the award, Procurement and Compliance performs 27 checks (next slide)





Pre-Award Vendor Selection Compliance Checks

Compliance Checks performed prior to award

Disadvantaged Business Certification (Local certified, MBE, WBE, DBE)	Corporate Registration
Walsh-Healey Act Compliance	Class A Business License
Davis-Bacon Act Compliance	Tax Registration Certification Affidavit
“Officers Not to Benefit” Certification	Department of Employment Services Certificate
Pricing Derived Independently (No Collusion)	DC Courts Debarment Check & Certification
Drug-Free Workplace	National Labor Review Board Findings
Tax Filing Status	Office of Federal Contract Compliance Program
W-9	Good Faith Efforts Compliance
EEO Compliance Statement	Bond
Subcontracting Plans	Disclosure of Lobbying Activities
Subcontractor Approval Request	DC Water Works Program Disclosure Statement
Safety Information and Safety Plans	Certification Regarding Lobbying
References	Conflict of Interest Disclosure
Vendor Financial Viability	



Future Process in Consideration

- ❖ **Increase the use of quality based selection process vs. lowest price:**
 - When possible, use more Request for Proposal (RFP) process instead of Invitation for Bid (IFB) process
 - Allows to review price, scope, and requirements before award
 - In the IFB process, these are reviewed after the award
- ❖ **Increase compliance monitoring to all subcontractors**
 - Provide a training on Davis-Bacon act (and other requirements) to subcontractors to increase compliance
 - Increase checks on others areas such as conflict of interest, collusion, etc.
- ❖ **Automate the use vendor performance scorecard in the selection process**
 - Currently a manual process but automate it using Oracle
 - Measure and record performance of work as well as compliance to the regulatory and safety requirements in Oracle
 - Automatic hold on poor performing vendors in Oracle system



Town Hall Meeting

September 10, 2020 Flash Flooding Event

September 16, 2020

District of Columbia Water and Sewer Authority

David L. Gadis, CEO and General Manager

dcw Agenda

- Welcome
- DC Water Background
- Rainfall Evaluation & Reported Flooding
- DC Water System Response to Flood
- Preliminary Findings
- Immediate and Short-Term Measures
- Long-Term Mitigation Measures to Address Flooding
- Next Steps
- Q & A



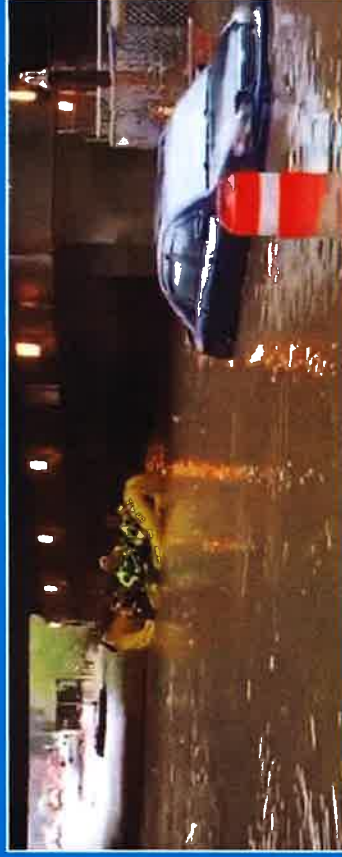


Welcome



- Expanding our backflow valve reimbursement program so that it covers every home within the most seriously impacted neighborhoods.
- Rebates of up to \$6,000 per home.
- Creating a new fund to help customers who are struggling with remediation costs, like drying out basements or removing moldy drywall.
- That program will pay up to \$5,000.

dc welcome





- District inherited sewer system from Federal Government.
- Existing sewers date back to late 1800's and in some cases are undersized for flow in heavy storms.
- Climate change may be contributing to increase in frequency of heavy weather events.



- Sewer infrastructure and deep tunnels functioned as designed.
- No underlying issue with construction or malfunction or error that contributed to flooding.
- Caused primarily by historically high rain fall – more than 2.2 inches in 75 minutes; flooding reported across the region.
- Record rainfall for September 10 recorded at Reagan National Airport.



- **No stormwater system can account for such a heavy downpour during such a compressed time, but system prevented a much more widespread and destructive flooding event.**
- **Working to reduce the likelihood and severity of floods.**
- **Making progress by improving our infrastructure with investments in reliability and by continuing our progress on the Clean Rivers initiative.**
- **Expanded capability of the system for more than a decade with the tunnel program, including the First Street Tunnel**



DC Water Background

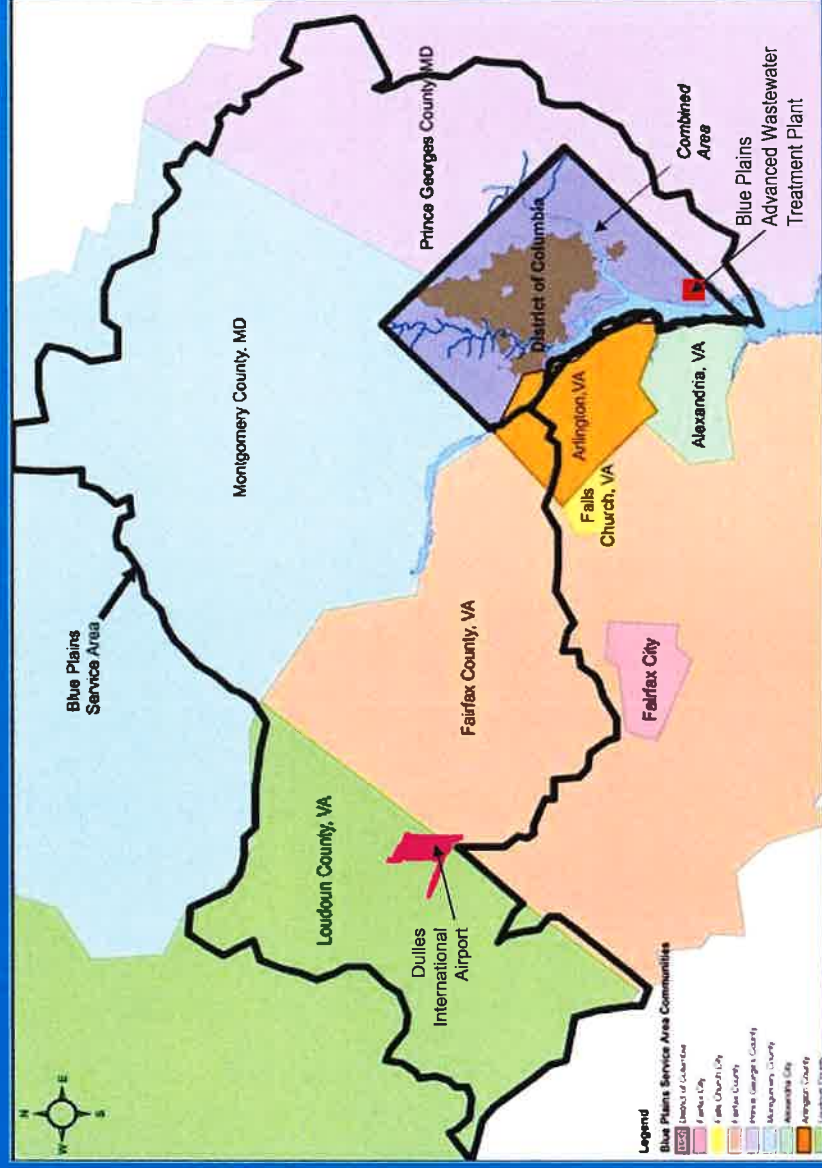
dc DC Water Background



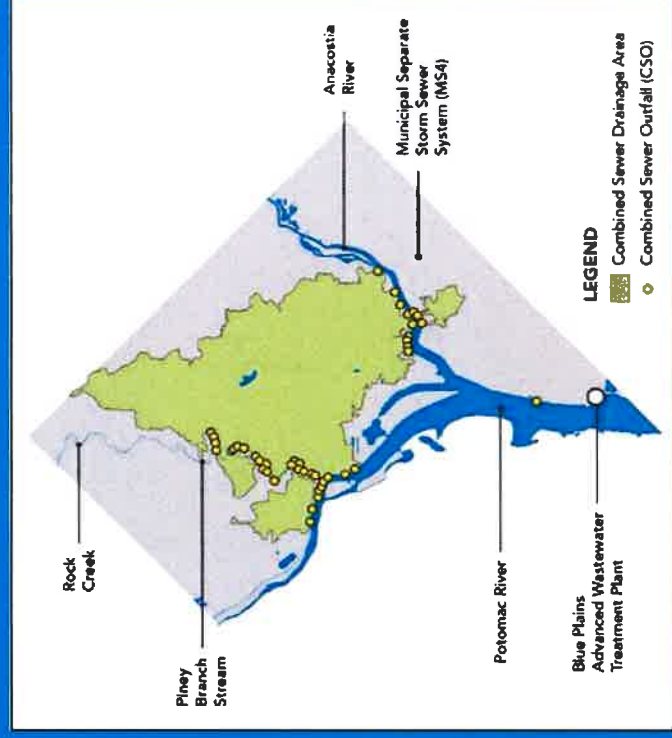
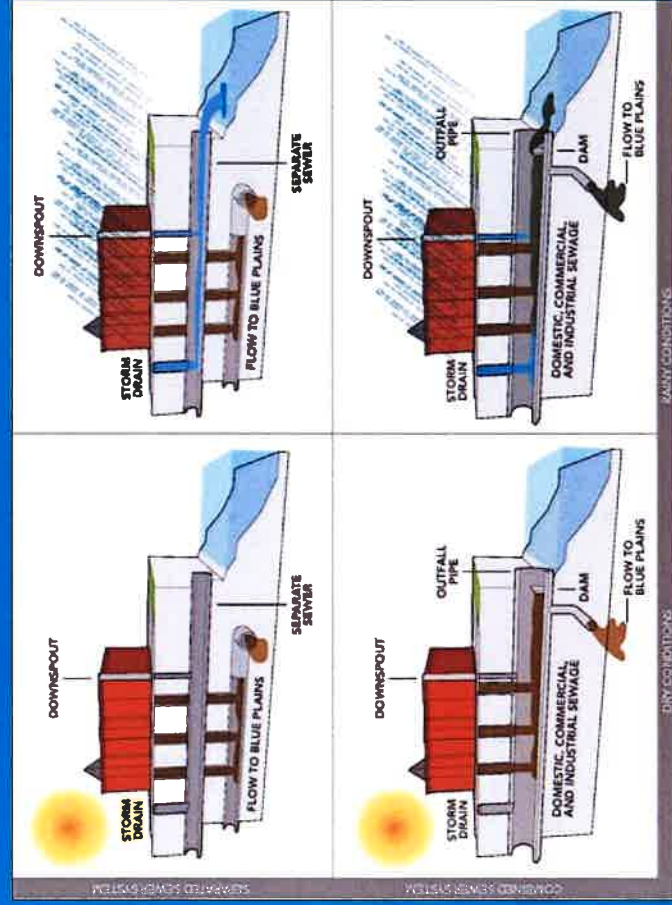
Blue Plains Advanced Wastewater Treatment Plant

- Drinking water distribution for DC
- Wastewater collection and treatment
- Stormwater collection and conveyance
- Treats wastewater for a population of 2.1 million
 - District of Columbia
 - Montgomery & Prince George's Counties, MD
 - Fairfax & Loudoun Counties, VA
- Operates Blue Plains Advanced Wastewater Treatment Plant
 - World's largest advanced treatment plant
 - Average daily capacity, 384 mgd
 - Peak daily capacity, 780 mgd
 - 555 mgd complete treatment
 - 225 mgd tunnel dewatering pump station and treatment
 - Serves a regional area of approximately 725 square miles

dc DC Water Service Area



dc Separate and Combined Sewer Systems



- 1/3 of area within the District is served by combined sewers (12,478 acres)
- 48 active Combined Sewer Overflow (CSO) outfalls (15 to Anacostia River • 10 to Potomac River • 23 to Rock Creek)

DC Water Pumping and Sewer Assets

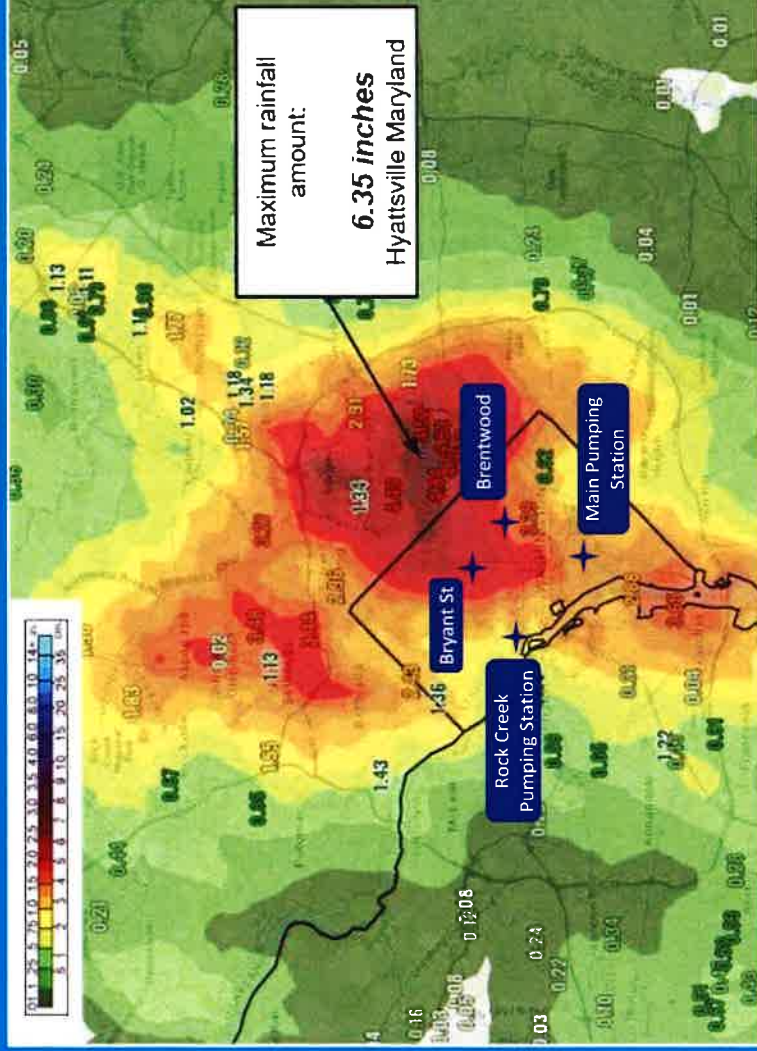
- 16 Stormwater Pumping Stations
- 9 Wastewater Pumping Stations
- 50,000 Manholes
- 1901 miles of collection pipes
 - combined sewers (603)
 - separate sanitary sewers (722)
 - storm water (576)
- 25,000 Catch basins
- 9 Inflatable dams





Rainfall Evaluation

dcw September 10, 2020 Rainfall



Source: Wash Post

DC Water rain gauges

- Extreme rainfall began after noon on September 10, 2020
- Peak rainfall occurred between 1:00 and 2:30 pm
- Most extreme rain occurred in Northeast DC that feeds the impacted areas
- DC Water operates 4 rain gauges in the combined sewer area

Rainfall Analysis 2020

Storm Duration	Main PS			Bryant St PS			Brentwood Res.			Rock Creek PS		
	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)
5-min	0.27	<1	0.75	100	0.40	1-2	0.22	<1	0.22	<1	0.22	<1
15-min	0.69	<1	1.17	10	1.01	5	0.50	<1	0.50	<1	0.50	<1
30-min	1.17	2	1.49	5	1.74	10-25	0.88	<1	1.74	10-25	0.88	<1
1-hr	1.98	5-10	2.14	10	2.44	10-25	1.66	<1	2.44	10-25	1.66	2-5
2-hr	2.42	5-10	2.87	10-25	2.78	10-25	1.90	<1	2.78	10-25	1.90	2-5
3-hr	2.74	10	2.99	10-25	3.02	10-25	2.20	<1	3.02	10-25	2.20	2-5
4-hr	2.81	5-10	2.99	10	3.07	10-25	2.32	<1	3.07	10-25	2.32	2-5
6-hr	2.82	5	3.02	5-10	3.08	5-10	2.36	<1	3.08	5-10	2.36	2-5

Sept 10
10-25 Year Storm

Storm Duration	Main PS			Bryant St PS			Brentwood Res.			Rock Creek PS		
	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)
5-min	0.34	1	0.14	<1	0.16	<1	0.18	<1	0.16	<1	0.18	<1
15-min	0.54	<1	0.26	<1	0.32	<1	0.34	<1	0.32	<1	0.34	<1
30-min	0.64	<1	0.46	<1	0.60	<1	0.48	<1	0.60	<1	0.48	<1
1-hr	1.18	1	0.82	<1	1.02	<1	0.88	<1	1.02	<1	0.88	<1
2-hr	1.72	2	1.14	<1	1.56	1-2	1.26	<1	1.56	1-2	1.26	<1
3-hr	1.96	2-5	1.34	<1	1.78	1-2	1.48	<1	1.78	1-2	1.48	1
4-hr	2.18	2-5	1.58	1	2.00	2	1.74	<1	2.00	2	1.74	1-2
6-hr	2.74	2-5	2.14	1-2	2.52	2-5	2.06	<1	2.52	2-5	2.06	1-2
8-hr	3.06	5	2.36	2	2.86	2-5	2.26	<1	2.86	2-5	2.26	1-2
10-hr	3.12	2-5	2.41	1-2	2.91	2-5	2.30	<1	2.91	2-5	2.30	1-2
12-hr	3.16	2-5	2.45	1-2	2.94	2-5	2.34	<1	2.94	2-5	2.34	1-2
24-hr	4.00	5	2.85	1-2	3.53	2-5	2.88	<1	3.53	2-5	2.88	1-2
48-hr	4.40	2-5	2.90	<1	3.62	2	2.88	<1	3.62	2	2.88	<1

Hurricane Isaias:
July 30
August 4
2-5 Year Storm

Storm Duration	Main PS			Bryant St PS			Brentwood Res.			Rock Creek PS		
	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)	Depth (in)	Approx. Return Freq. (yrs)
5-min	0.28	<1	0.12	<1	0.20	<1	0.22	<1	0.20	<1	0.22	<1
15-min	0.60	<1	0.31	<1	0.47	<1	0.52	<1	0.47	<1	0.52	<1
30-min	0.64	<1	0.40	<1	0.52	<1	0.70	<1	0.52	<1	0.70	<1
1-hr	1.12	<1	0.52	<1	0.64	<1	0.82	<1	0.64	<1	0.82	<1
2-hr	1.16	<1	0.56	<1	0.68	<1	0.88	<1	0.68	<1	0.88	<1
3-hr	1.19	<1	0.60	<1	0.73	<1	0.91	<1	0.73	<1	0.91	<1
4-hr	1.31	<1	0.74	<1	0.84	<1	1.01	<1	0.84	<1	1.01	<1
6-hr	1.47	<1	0.84	<1	0.95	<1	1.13	<1	0.95	<1	1.13	<1

Hurricane Laura:
August 28 – 29
< 1 Year Storm



Prior Storm Events that Led to Flooding in DC

Date	Duration	Rainfall (inches)	NOAA Point Precipitation Frequency (Nearly)
7/10/2012	1-hour	1.96	10 year storm
7/18/2012	30-minute	1.35	5 year storm
7/19/2012	15-min	0.94	5 year storm
9/2/2012	2-hour	2.78	10 year storm

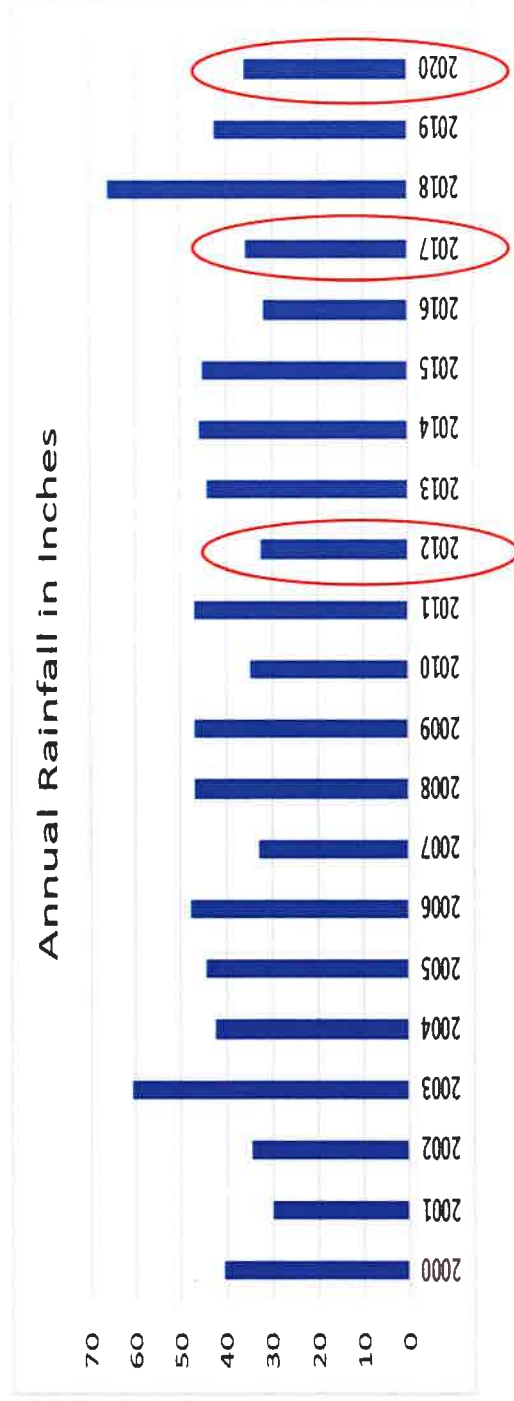
*** Recorded by DC Water's Bryant Street Rain Gage**

**Bloomingdale
Floods**

Date	Rainfall (in)	Approx Duration (min)	Approx. return frequency based on NOAA	Rain gage
8/12/17	1.33	20	5 yr	14th and Riggs St NW
	1.19	20	5 yr	17th and Kalorama Rd NW
	1.16	30	2 yr	Eckington & Florida Ave NE
	1.02	30	2 yr	14th and K St NW
	1.08	30	2 yr	NOMA, 4th and L St NE

**Recent
Floods**

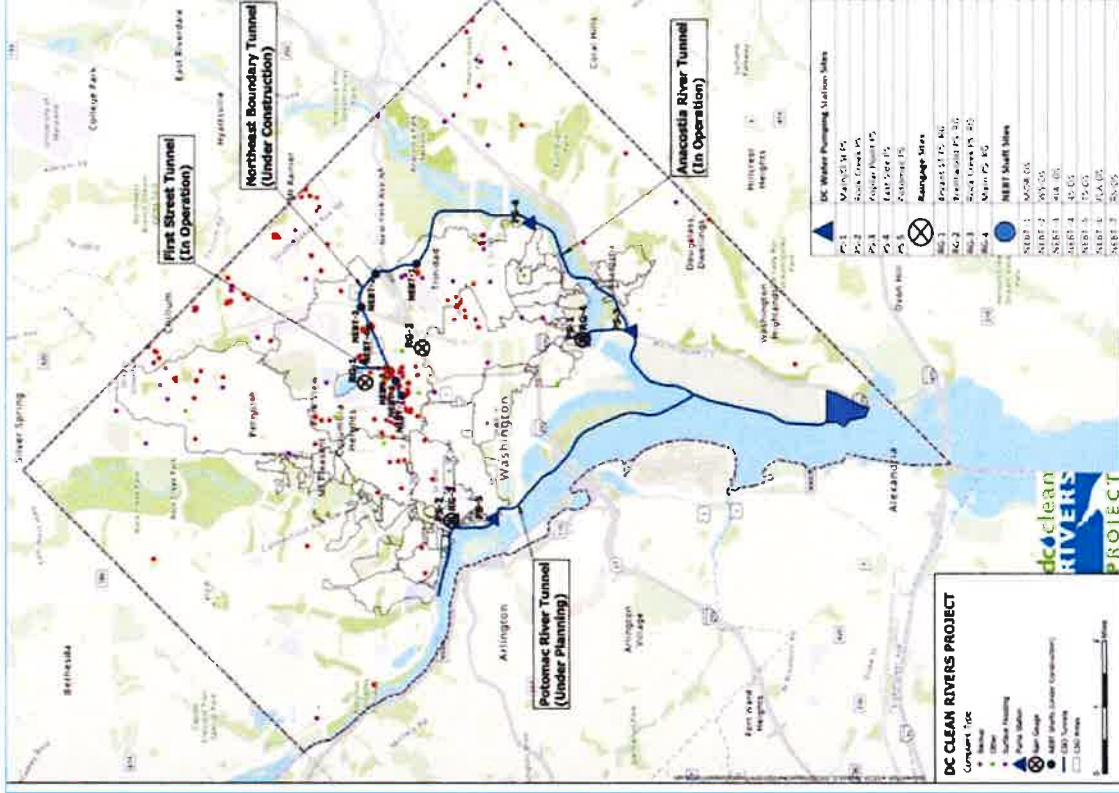
dc DC Area Rainfall Data



Flooding events in DC have not occurred in years of High Rainfall
Climate change is resulting in frequent short duration high intensity rain events

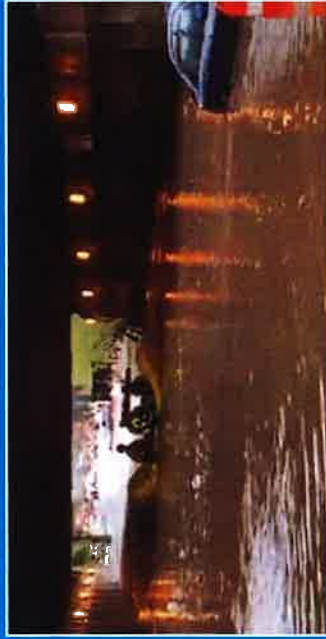


Reported Flooding



dcw Reported Flooding

Rhode Island Ave Metro



Nicholson St/Riggs Park



Mt Olivet Road



Florida Ave



300 Block Bryant St



Edgewood/Bryant St





DC Water System Response to Flood



Combined Sewage Pumping Stations

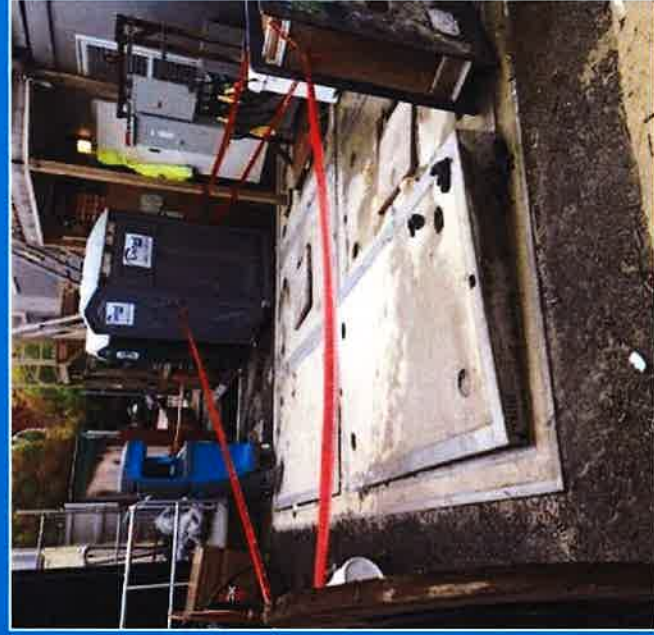
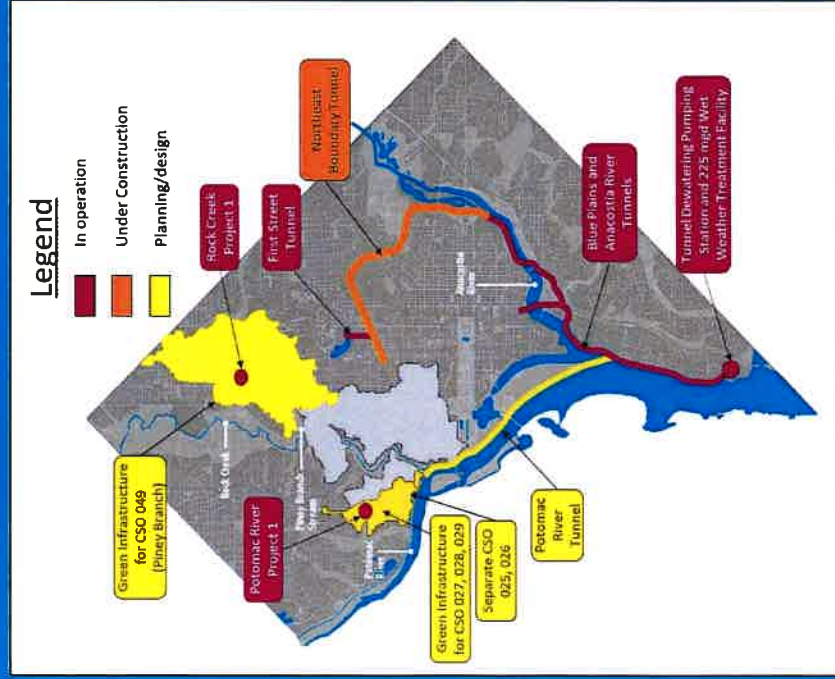
Tag Name	Firm Pumping Capacity (mgd)	Maximum Pumped During Event(mgd)
Main Pumping Station	240	286
O Street Pumping Station	45	75
Poplar Point Pumping Station	45	55
Potomac Pumping Station	460	470
Rock Creek	50	75



Stormwater Pumping Stations

- Typically serve bridge underpasses
- Capacity of pumping stations exceeded by intensity of rain at many locations
- Storm impacts at stormwater pumping stations
 - Deane Avenue – A creek in the area overflowed its banks. Station was still operable.
 - Eastern Avenue – Pumping operation disrupted due to power outage
 - Portland Street –catch basin and jet truck used to clear debris caused by flooding. Water receded and underpass cleared after debris cleared

dc First Street Tunnel



Removable slabs & access hatches at First St Tunnel Dewatering Pumping Station (low point) dislodged by exiting floodwaters

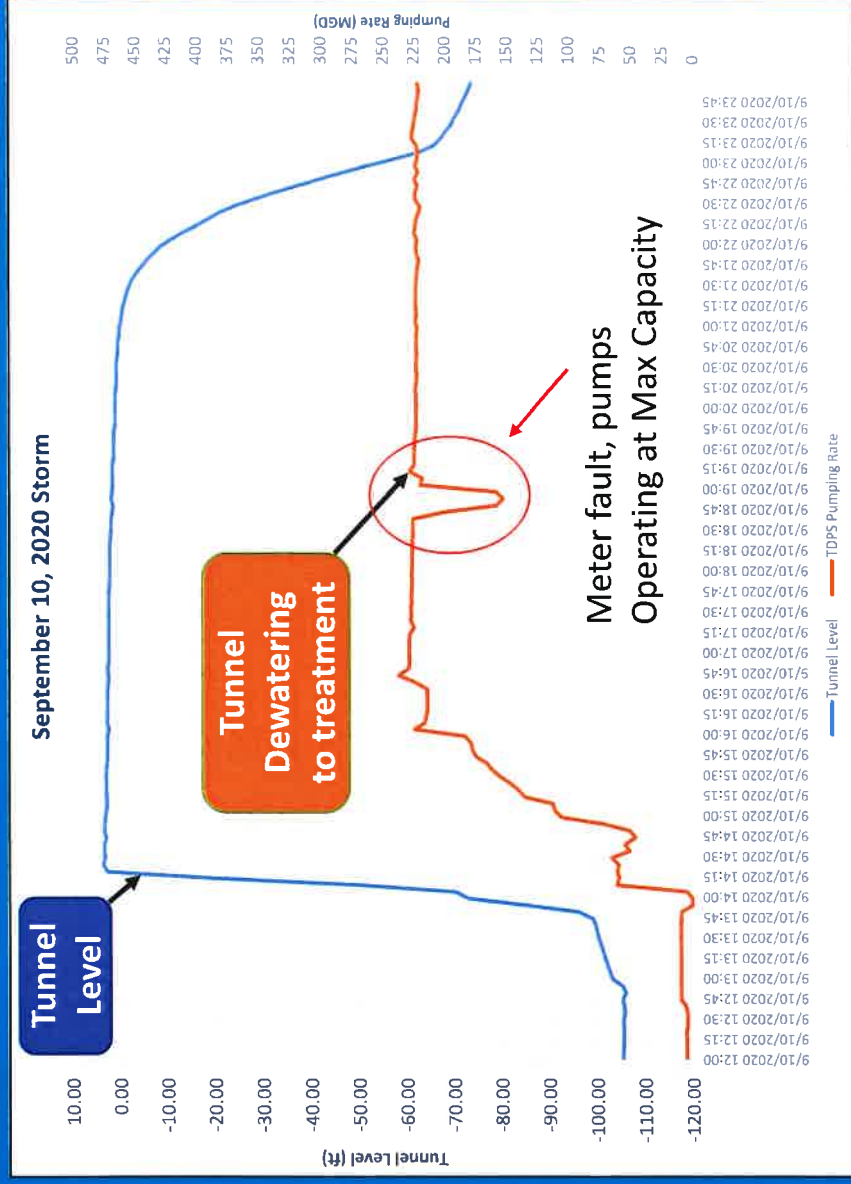
- 9 million gallons of storage placed in operation
- Temporary pumping station at end of tunnel
- Will be connected to Northeast Boundary Tunnel by gravity in 2023
- Tunnel filled to capacity and overflowed as designed
- Prevented 9 million gallons of sewage in homes and on street



Anacostia River Tunnel System

- System constructed so far has capacity of about 124 million gallons
- Tunnel filled to capacity in about 35 minutes – full by about 2:20 pm
- Tunnel was emptied to Wet Weather Treatment Facility as designed
- Volumes
 - 195 mg captured
 - 108 mg overflowed from tunnel
 - Additional amounts overflowed from existing CSOs

Tunnel operated as designed – filled to capacity and then overflowed to river.





Blue Plains Wastewater Treatment Plant



- Blue Plains has two treatment trains
 - Complete Treatment
 - Wet Weather Treatment Facility at end of Tunnel system

Treatment train	NPDES Permit Capacity (mgd)	Peak Operated Rate During Sept 10, 2020 Event (mgd)
Complete Treatment	555 first 4 hours 511 after 4 hours	628
Wet Weather Treatment Facility	225	225

Blue Plains operated as designed and flows to plant were maximized

dcw Preliminary Findings



- September 10 rainfall exceeded the design capacity of the sewer system
- Storm Peak Frequencies observed in the District
 - 100 year frequency on a 5 minute increment
 - 10-25 year frequency on a 4 hour increment
- Hurricane Isaias and Hurricane Laura
 - Roughly same amount of rain as Isaias; more rain than Laura; both storms occurred over a long period of time and was much less intense
 - System was able to accommodate less intense rain
- Tunnels (Anacostia, First Street and Blue Plains) and McMillan Storage reached maximum capacity in first half hour of storm and system remained surcharged
- Mix of sewer back up concerns and surface flooding
- System performed per compliance requirements



Immediate and Short-Term Measures

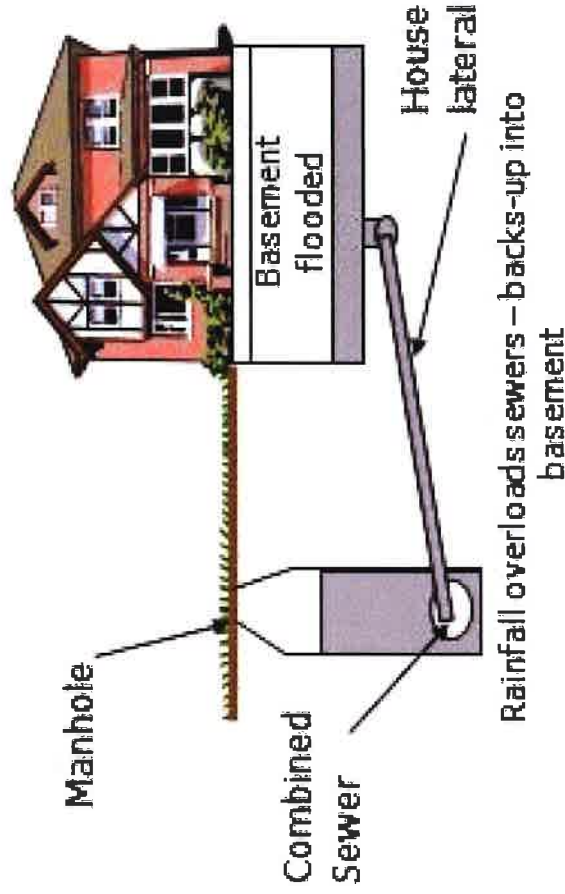


Emergency Clean Up Relief Funding

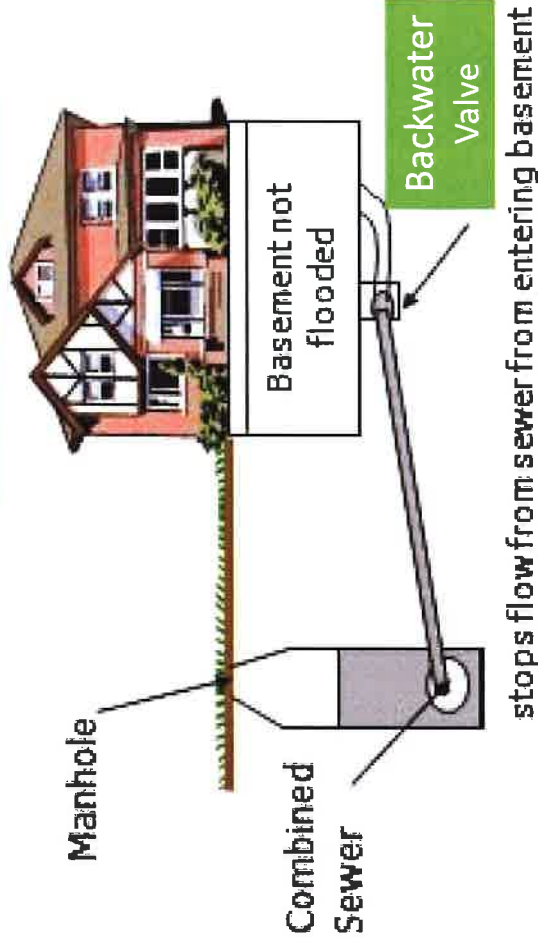
- **DC Water recognizes significant hardships experienced because of the unexpected flooding event**
 - Impacts of COVID-19 on our community
 - Heightened public health concerns
 - Significant number of impacted homes
- **DC Water is committing \$1.5 million for clean-up relief for those who need immediate relief and have been unable to dewater their property**
 - Dewatering, cleaning and sanitizing with a per property limit of \$5,000
 - DC Water will pay the company directly for these services
 - For more information please see dcwater.com/storm-and-flooding-september-10-2020

dcw Expansion of Backwater Valve Program

Without Backwater Valve



With Backwater Valve



dcwater.com/backwater-valve-information-and-rebate-program-application



Long-Term Mitigation Measures to Address Flooding

what is the design capacity of the system?

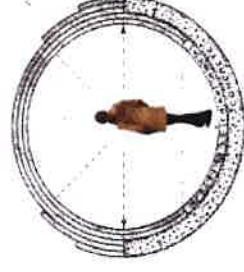
When the Bloomingdale flooding occurred during 4 storms in 2012, DC Water determined the design capacity of the existing system was about a **2 year storm**.

After the 2012 Bloomingdale flooding, DC Water implemented short and medium term retrofits, including the First Street Tunnel and McMillan stormwater storage which added about 9 million gallons of storage capacity. Those improvements were predicted to increase the capacity of the system to between a **5 and 7 year storm**.

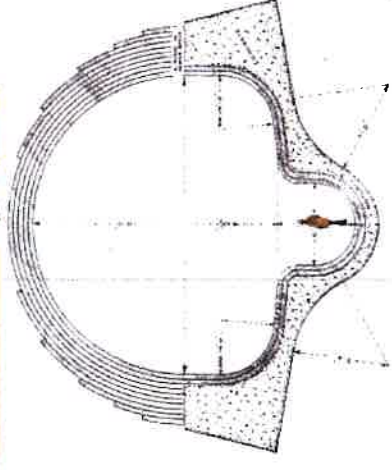
The long term improvement is the Northeast Boundary Tunnel, to be completed in 2023. That tunnel was designed to bring the capacity of the system up to a **15 year storm**, which is DC Water's current design standard for the sewer system. Flooding would still be possible for storms that exceed a 15 year return frequency, but the magnitude would be greatly reduced.

History of Flooding – Federal Government Legacy

- Flooding occurred soon after North East Boundary Sewer construction in late 1800's
- Recognition that sewer capacity was too low
- Sewers were constructed by Federal Government and turned over to the District in 1973 via Home Rule
- Many studies have identified longstanding flooding issues in Northeast Boundary



Existing NEBT Sewer Section
(10'-0" Diameter)



Existing NEBT Sewer Section
(22'-0" x 23'-6")



Deficient Conditions Caused by but Never Addressed by Federal Government

Ledroit Park and Bloomingdale Flooding

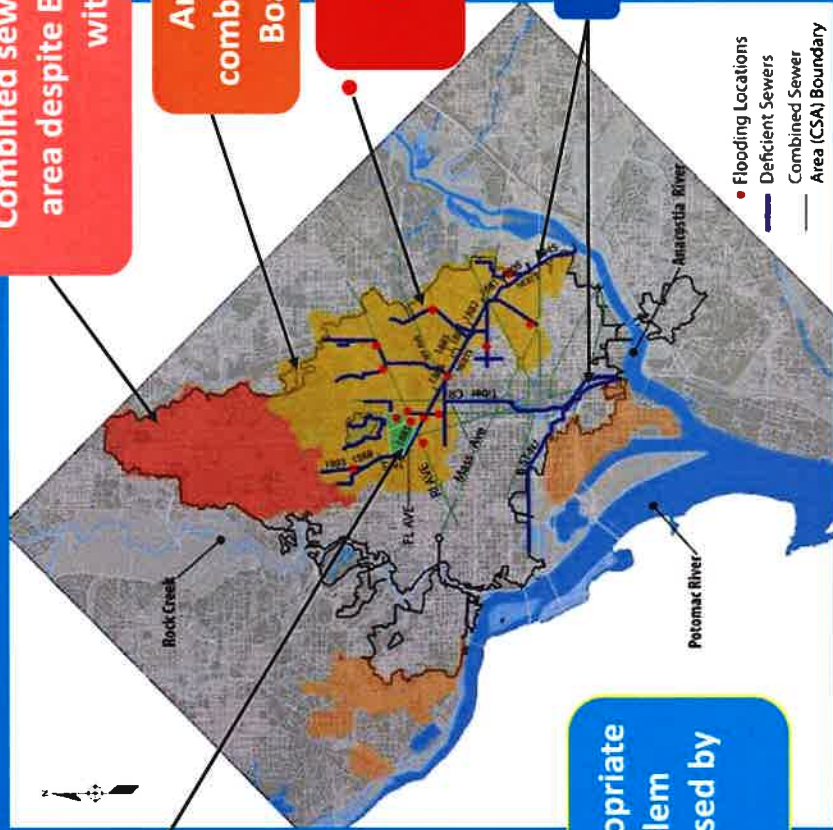
Combined sewers constructed in Piney Branch area despite BOE recommendations to serve with a separate system

Area northeast of Florida Ave where combined sewers expanded against Federal Board of Engineers Recommendations

Chronic flood areas in Northeast Boundary area due to inadequate design and construction

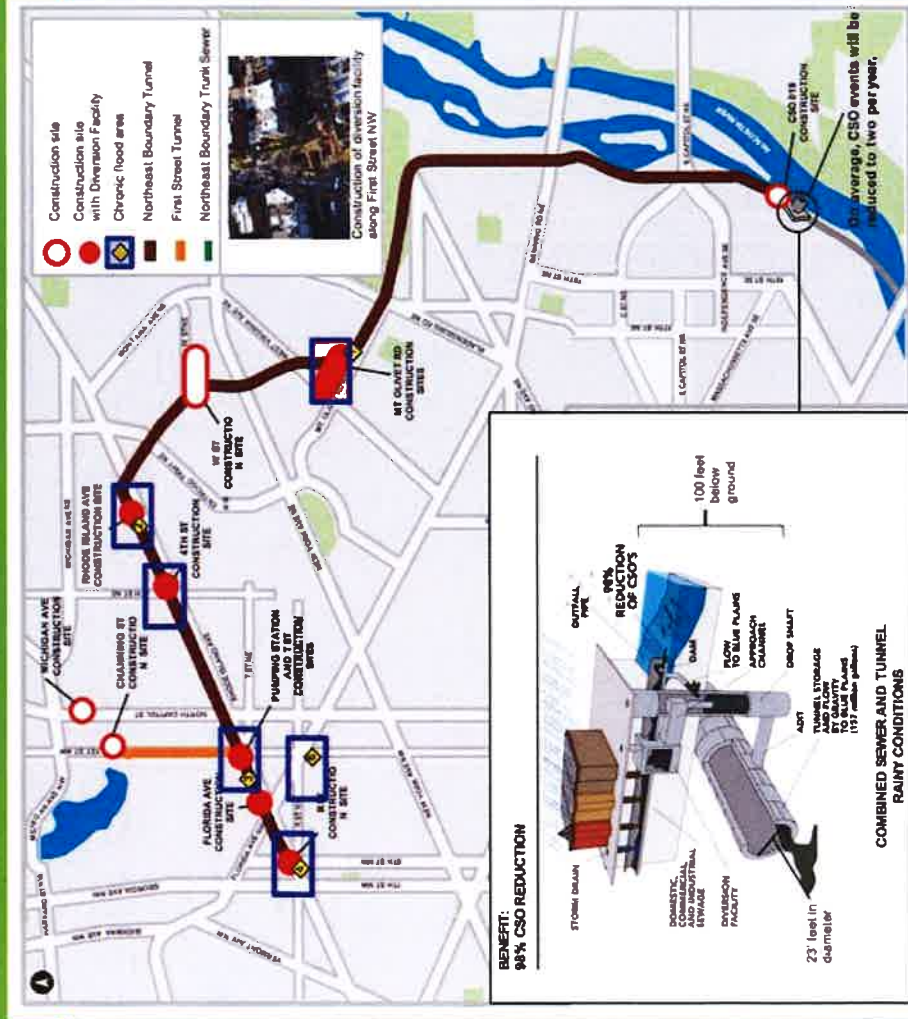
Deficient sewers

Federal funding is appropriate to mitigate the problem caused and not addressed by Federal Gov



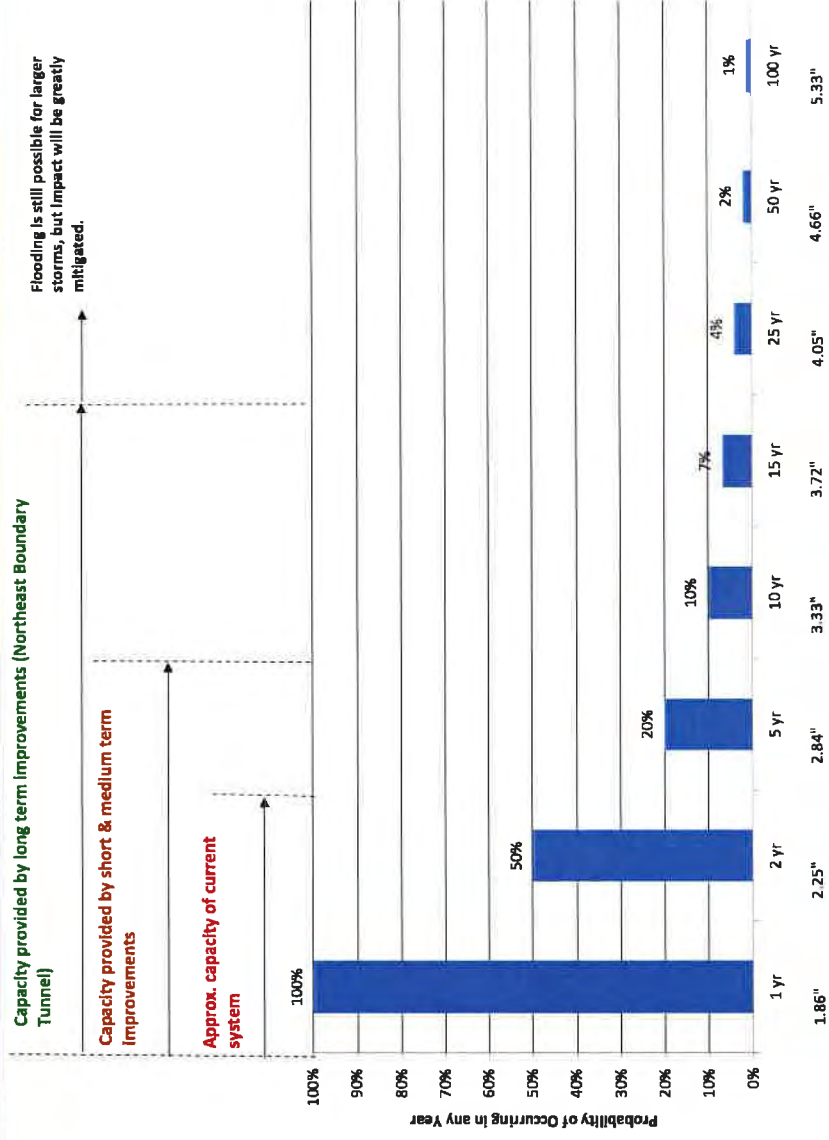
Future Improvement - Northeast Boundary Tunnel

- \$580 Construction Project funded by primarily by ratepayers
- Largest project DC water has ever constructed
- Place in operation in 2023, ahead of 2025 Consent Decree deadline



dcw Project Benefits

- Significantly mitigate the frequency, magnitude and duration of sewer flooding and basement backups in the Northeast Boundary drainage area
- Control combined sewer overflow (CSO) discharges to the Anacostia River, significantly improving water quality
- Reduce the frequency and magnitude of flooding
- Reduce risks to human health
- Greatly reduce the discharge of untreated wastewater into the District's receiving waterbodies
- Prevent deterioration of historic resources from water damage caused by flooding



6-hour Duration NOAA Storm Return Interval



Next Steps



Next Steps

- **Prepare after action report for review with the Mayor's Office and HSEMA**
- **Further investigate impacted communities to identify additional mitigation measures**
- **Implement expanded Backwater Valve Program**
- **Construct Northeast Boundary Tunnel**
- **Evaluate resiliency – storms in response to climate change**



Resources

For more information about the flooding and the resources available: dcwater.com/september10flooding

Sewer Back-ups and the Claim Process: dcwater.com/sewer-backup

Customer Service **202-354-3600**.

Non-English-speaking customers can call our Customer Service line, **202-354-3600**, for translation into more than 94 languages. Hearing-impaired customers can call **202-354-3677** for TDD-TYY services

Q & A



Thank You



Make a payment arrangement

Step 3 of 3: **Payment status**

Total payment amount

\$305.00

Print

Account number

418074488663

Payment 1

Thanks!

\$152.00

Payment confirmed and email receipt has been sent.

Scheduled for

Oct 6, 2020

Confirmation number

Z6R97J8LPPX5MKLZ

Method

Checking

Routing number

256074974

Bank Account Number

xxxxxx5572

Payment 2

Thanks!

\$153.00

Payment confirmed and email receipt has been sent.

Scheduled for

Oct 20, 2020

Confirmation number

Z6RR7J8LPPX5MKLZ

Method

Checking

Routing number

256074974

Bank Account Number

xxxxxx5572

What's next?

[See scheduled payments](#)

Chat

[More payment information](#)



[View payment history](#)



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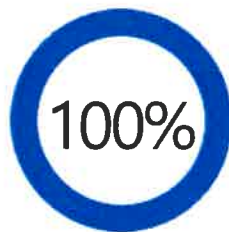


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My Goals

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TOTAL COMPLETE

Total Weight: 100.00%
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My Goals

Coordinate Office Move
 100.00% Status: Completed Due Date: 9/30/2019 Weight: 25.00%

Integrate Technology
 100.00% Status: Completed Due Date: 9/30/2019 Weight: 25.00%



Version: 20.3.2.19

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