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

Thursday, July 16, 2020
9:30 a.m.

Microsoft Teams Meeting
+1 202-753-6714
Conference ID: 843 142 08#

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. Water Operation Updates
Jason Hughes/Maureen Schmelling

1. Water Quality
2. Fire Hydrants

9:55 a.m. V. Action Items
Joel Grosser/Len Benson

Joint Use

4. Contract No.: N/A - Planning, Construction, Operation and Maintenance of Long-Term Control Plan (LTCP) Facilities (Memorandum of Understanding Agreement), District of Columbia Department of Transportation (DDOT), Office of the Deputy Mayor for Planning and Economic Development, District Department of Consumer and Regulatory Affairs
5. Contract No.: N/A - South Capitol Street Corridor Phase 1 (Memorandum of Understanding Agreement), District of Columbia Department of Transportation (DDOT)
6. Contract No.: DCFA-507 Basic Ordering Agreement - Subsurface Utility Engineering (SUE) 1, Accurate Infrastructure Data, Inc.
Non-Joint Use

1. Contract No.: N/A - DDOT Water Projects 15 – Replacement of Water Mains – (Memorandum of Understanding Agreement), District of Columbia Department of Transportation (DDOT)

2. Contract No.: N/A - Replacement of Water Mains on New Jersey Avenue (Memorandum of Understanding Agreement), District of

10:25 a.m. VI. Wholesale Customer Communication Len Benson

10:40 a.m. VII. Other Business / Emerging Issues

10:45 a.m. VIII. Executive Session*

10:50 a.m. IX. Adjournment Adam Ortiz Chair

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]

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)(6); 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.
Blue Plains Advanced Wastewater Treatment Plant

**Accomplishments**

**Combined Heat and Power O&M Service Contract:** Concluded the True-Up for Contract Years 2018 & 20019 for the O&M Service Contract with Constellation. The core element of the True-Up was compliance with Digester Gas Electrical Power Production Guarantee. The associated reimbursements to DC Water, due to missed electrical production, totaled $867,000 for contract year 2018 and $665,404 for contract year 2019.

During the 2019 contract year the total net electricity generated was 55,914 Megawatt-Hours (MWH) or 21.8 percent of the 256,144 MWH used for the operation of the Blue Plains Advanced Wastewater Treatment Plant.

**Operational Performance**

**Blue Plains Complete Treatment Performance:** The plant performance for the month of June 2020 was excellent with all effluent parameters well below the seven-day and monthly NPDES permit requirements. The monthly average flow through complete treatment (Outfall 002) was 293 MGD. The volume of captured combined flow treated through the Wet Weather Treatment Facility (WWTF) and directed to Outfall 001 was 28 million gallons (MG).
Total Nitrogen (TN) Removal Performance: The graph below shows total annual nitrogen discharge, in million pounds per year, over a 9-year period ending in June 2020. In June 2020, the monthly average TN concentration and total load in the complete treatment effluent were 3.15 mg/L and 234,536 lbs., respectively. The total pounds of nitrogen discharged in the complete treatment effluent during the current calendar year is 1,414,860 lbs. and on track to remain below the NPDES permit discharge limit of 4,377,580 lbs./year.

![Total Annual Nitrogen (million lbs/yr)](image)

Wet Weather Treatment Facility (WWTF) Performance: In June 2020, a total of 205 million gallons (MG) of combined wet weather flows, captured in the tunnel system, were treated through the WWTF. There were no measured overflows. The treated discharge of captured combined flows to the wet weather treatment outfall (Outfall 001) was 28 MG.

<table>
<thead>
<tr>
<th>Description</th>
<th>June 2020</th>
<th>Calendar Year 2020 (Through June)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Precipitation, inches (DCA gauge)</td>
<td>2.5</td>
<td>19.6</td>
</tr>
<tr>
<td>Total Volume Captured in the Anacostia Tunnel, MG</td>
<td>205</td>
<td>1042</td>
</tr>
<tr>
<td>Measured Overflow, MG*</td>
<td>0</td>
<td>127</td>
</tr>
<tr>
<td>Percent Captured**</td>
<td>100%</td>
<td>89%</td>
</tr>
</tbody>
</table>

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

**Expected Capture ~80%
Class A Biosolids Quality: In June, biosolids hauling averaged 326 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 2,451 tons of bloom was marketed. The total tons marketed during the fiscal year (through the end of June 2020) is 38,821 wet tons or 65% of the 60,000 tons goal.
Hauled Waste Program: In May the plant received 594 loads or 1,485,400 gallons of hauled waste. 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 nonhazardous waste (allowed on a case-by-case basis) at the Blue Plains Advanced Wastewater Treatment Plant (AWTP). It is illegal to discharge hauled waste directly to the District's wastewater system anywhere else within the District of Columbia.

![Hauled Waste Volume - May 2020](image)

Pretreatment Permit: Issued six new Temporary Discharge Authorization permits and renewed four Waste Hauler permits.

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: The Recovery Plan was discussed with Employee Union Representatives. The plan includes flexible phase-based schedules to return to full operations with enhanced controls to effect social distancing and maintain employee’s health and safety. Implementation of the Recovery Plant at Blue Plains will resume beginning mid-July.
Status Report for EPA Drinking Water Regulated Monitoring – July 2020

Total Coliform Rule (TCR)

DC Water collected 252 samples in June and 3 (1.2%) were 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 distributed 177 sample kits to customers in January through June 2020 of which 107 were valid. Tables 1 shows those lead results. Table 2 describes the locations with lead results greater than 15 ppb.

Please note, DC Water delayed the March sample kit distribution due to the COVID19 concerns. We will collect the remaining samples in May and June.

<table>
<thead>
<tr>
<th>Home</th>
<th>Pipe Material</th>
<th>Lead (ppb) 1st Draw</th>
<th>Lead (ppb) 2nd Draw</th>
<th>Iron (ppb) 1st Draw</th>
<th>Iron (ppb) 2nd Draw</th>
</tr>
</thead>
<tbody>
<tr>
<td>4011 13th St NW</td>
<td>Lead and galvanized piping observed inside home by DC Water</td>
<td>16.1</td>
<td>4.8</td>
<td>32.4</td>
<td>18.8</td>
</tr>
<tr>
<td>2325 Wyoming Ave NW</td>
<td>Customer replaced a private portion of the lead service line two weeks prior to taking samples</td>
<td>16.6</td>
<td>9.6</td>
<td>82.6</td>
<td>110</td>
</tr>
<tr>
<td>1408 Decatur St NW</td>
<td>Lead pipe at POE</td>
<td>8.0</td>
<td>106</td>
<td>21.2</td>
<td>21.7</td>
</tr>
<tr>
<td>1649 HARVARD ST NW</td>
<td>Lead pipe by historical records</td>
<td>1.8</td>
<td>18</td>
<td>31.8</td>
<td>404</td>
</tr>
<tr>
<td>4703 Macarthur Blvd NW</td>
<td>Lead pipe by historical records and galvanized iron pipe observed inside home</td>
<td>17.3</td>
<td>74</td>
<td>1.9</td>
<td>0</td>
</tr>
</tbody>
</table>

Table 1. LCR Lead Sampling Data

<table>
<thead>
<tr>
<th></th>
<th>1st Semester 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1st Draw</td>
</tr>
<tr>
<td>90th Percentile, ppb</td>
<td>1.8</td>
</tr>
<tr>
<td>Number of samples</td>
<td>107</td>
</tr>
<tr>
<td>Number of Samples &gt; 15 ppb</td>
<td>3</td>
</tr>
</tbody>
</table>

Table 2. Homes with Lead Results Greater than 15 ppb
### Status Report of Public Fire Hydrants for DC Water Services Committee - July 6, 2020

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Fire Hydrants:</td>
<td>9,700</td>
<td>9,697</td>
<td>9,711</td>
<td>9,496</td>
</tr>
<tr>
<td>In Service:</td>
<td>9,629</td>
<td>9,648</td>
<td>9,653</td>
<td>9,441</td>
</tr>
<tr>
<td>Marked Out-of-Service (OOS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OOS - defective requiring repair/replacement</td>
<td>71</td>
<td>49</td>
<td>58</td>
<td>55</td>
</tr>
<tr>
<td>% OOS requiring repair or replacement (DC Water goal is 1% or less OOS)</td>
<td>0.49%</td>
<td>0.29%</td>
<td>0.37%</td>
<td>0.34%</td>
</tr>
<tr>
<td>OOS - due to inaccessibility or temp construction work</td>
<td>23</td>
<td>21</td>
<td>22</td>
<td>23</td>
</tr>
</tbody>
</table>

*Note: The number of public hydrants in the DC Water system fluctuates; this number fluctuates as hydrants are added and removed during development or construction activities as well as at the request of the Fire Dept.*

### Breakdown of Public Fire Hydrants Out-of-Service (OOS) as of July 6, 2020

#### Breakdown of Defective

- **Hydrant Needs Repair/Investigation**
  - 0-7 Days: 2
  - 8-14 Days: 1
  - 15-30 Days: 0
  - 31-60 Days: 0
  - 61-90 Days: 0
  - > 120 Days: 3
  - Total: 6

- **Needs Valve Investigation for Low Flow/Pressure or Shut Test for Replacement**
  - 0-7 Days: 0
  - 8-14 Days: 0
  - 15-30 Days: 0
  - 31-60 Days: 0
  - 61-90 Days: 1
  - > 120 Days: 9
  - Total: 10

- **Needs Replacement**
  - 0-7 Days: 0
  - 8-14 Days: 0
  - 15-30 Days: 1
  - 31-60 Days: 2
  - 61-90 Days: 0
  - > 120 Days: 12
  - Total: 16

#### Breakdown of Others

- **Temporarily OOS as part of operations such as a main repair**
  - 0-7 Days: 0
  - 8-14 Days: 0
  - 15-30 Days: 1
  - 31-60 Days: 0
  - 61-90 Days: 0
  - > 120 Days: 17
  - Total: 18

- **Construction* - OOS**
  - 0-7 Days: 0
  - 8-14 Days: 0
  - 15-30 Days: 1
  - 31-60 Days: 0
  - 61-90 Days: 0
  - > 120 Days: 1
  - Total: 2

- **Obstructed Hydrant – OOS hydrant due to operation impeded by an obstruction**
  - 0-7 Days: 0
  - 8-14 Days: 0
  - 15-30 Days: 0
  - 31-60 Days: 0
  - 61-90 Days: 0
  - > 120 Days: 3
  - Total: 3

#### Others

- Total: 23

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

### Status of Private Fire Hydrants-Based on FEMS Inspection Reporting

- **Private Hydrants:** 1,296
  - **In Service:** 1,156
  - **Out-of-Service (OOS):** 140
Map of Public Out-of-Service Hydrants
July 06, 2020

Legend
OOS Hydrants
- Defective
- New Construction
- Obstructed
- Temporary
DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS CONTRACTOR FACT SHEET

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEAR

Supply and Delivery of Sodium Hypochlorite
(Joint Use)

This contract action is to exercise option year 5 in the amount of $3,500,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME:
Kuehne Chemical Co. Inc.
86 N. Hackensack Ave.
S. Kearny, NJ 07032

SUBS:
N/A

PARTICIPATION:
N/A

DESCRIPTION AND PURPOSE

Original Contract Value: $3,656,900.00
No. of Option Years in Contract: 4
Option Year 1 Value: $3,804,300.00
Option Year 1 Dates: 10-16-2016 – 10-15-2017
Option Year 2 Value: $3,300,000.00
Option Year 2 Dates: 10-16-2017 – 10-15-2018
Option Year 3 Value: $3,600,000.00
Option Year 3 Dates: 10-16-2018 – 10-15-2019
Option Year 3 Modification Value: $200,000.00
Option Year 4 Value: $3,720,000.00
Option Year 4 Dates: 10-16-2019 – 09-30-2020
Option Year 5 Value: $3,500,000.00
Option Year 5 Dates: 10-01-2020 – 09-30-2021

Purpose of the Contract:
To supply and deliver sodium hypochlorite. The sodium hypochlorite is used as disinfection and odor control.

Contract Scope:
DC Water has an on-going need for sodium hypochlorite. At the Blue Plains Advanced Wastewater Treatment Facility, it is primarily used for outfall disinfection, but also to control biological growth on multimedia filters, and for odor control in the scrubbers.

This is the last option year for the contract, DC Water will initiate new sodium hypochlorite solicitation to replace the current contract.

Spending Previous Year:
Cumulative Contract Value: 10-16-2015 to 09-30-2020: $18,281,200.00
Cumulative Contract Spending: 10-16-2015 to 06-23-2020: $16,973,866.00

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.

No LSB/LSBE participation
**PROCUREMENT INFORMATION**

<table>
<thead>
<tr>
<th>Contract Type:</th>
<th>Goods and Services</th>
<th>Award Based On:</th>
<th>Lowest Bid</th>
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<tbody>
<tr>
<td>Commodity:</td>
<td>Chemical</td>
<td>Contract Number:</td>
<td>15-PR-DWT-21</td>
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<tr>
<td>Contractor Market:</td>
<td>Open Market with Preference Points for LBE and LSBE Participation</td>
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</table>

**BUDGET INFORMATION**

<table>
<thead>
<tr>
<th>Funding:</th>
<th>Operating</th>
<th>Department:</th>
<th>Wastewater Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Area:</td>
<td>Blue Plains AWTP</td>
<td>Department Head:</td>
<td>Akilie Tesfaye</td>
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**ESTIMATED USER SHARE INFORMATION**

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

Akilie Tesfaye  
VP of Wastewater Operations  
6/29/2020

Dan Bae  
VP of Procurement and Compliance  
Digitally signed by Dan Bae  
2020.07.13 12:20:05-04'00'

Matthew T. Brown  
CFO and EVP of Finance and Procurement  
Digitally signed by Matthew T. Brown  
2020.07.13 13:55:57-04'00'

David L. Gadis  
CEO and General Manager  
2020.07.13 12:20:05-04'00'
DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS CONTRACTOR FACT SHEET

ACTION REQUESTED
GOODS AND SERVICES CONTRACT OPTION YEAR

Fire Protection Systems
(Joint Use)

This contract action is to exercise option year 4 in the amount of $600,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: BFPE International Inc.
7512 Connelly Dr.
Hanover, MD 21076

SUBS: N/A
PARTICIPATION: N/A

DESCRIPTION AND PURPOSE

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

Purpose of the Contract:
DC Water requires a qualified contractor to furnish all labor, materials, equipment and tools to maintain and service the Fire Protection Service.

Contract Scope:
To provide preventative and operational maintenance for the fire protection system, including routine preventative maintenance and repairs of all fire protection systems.

Contract Modification Scope:
New Capital equipment: Upgrades to fire suppression systems in the Blue Plains Chemical Buildings. The amount for this onetime capital cost is $ 300,000.00.

Spending Previous Year:
Cumulative Contract Value: 10-16-2015 to 10-11-2020: $1,895,960.45
Cumulative Contract Spending: 10-16-2015 to 06-01-2020: $1,423,438.45

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

No LSB/LSBE participation
### PROCUREMENT INFORMATION

<table>
<thead>
<tr>
<th>Contract Type:</th>
<th>Good and Services</th>
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<tr>
<td>Commodity:</td>
<td>Security</td>
<td>Contract Number:</td>
<td>16-PR-DFM-77</td>
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<tr>
<td>Contractor Market:</td>
<td>Open Market with Preference Points for LBE and LSBE Participation</td>
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### BUDGET INFORMATION

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<th>Security</th>
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<tbody>
<tr>
<td>Project Area:</td>
<td>DC Water Wide</td>
<td>Department Head:</td>
<td>Ivelisse Cassas</td>
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### ESTIMATED USER SHARE INFORMATION

<table>
<thead>
<tr>
<th>User:</th>
<th>Operating Share %</th>
<th>Dollar Amount</th>
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<tbody>
<tr>
<td>District of Columbia</td>
<td>43.44%</td>
<td>$130,320.00</td>
</tr>
<tr>
<td>Washington Suburban Sanitary Commission</td>
<td>41.95%</td>
<td>$125,850.00</td>
</tr>
<tr>
<td>Fairfax County</td>
<td>9.79%</td>
<td>$29,370.00</td>
</tr>
<tr>
<td>Loudoun Water</td>
<td>4.23%</td>
<td>$12,690.00</td>
</tr>
<tr>
<td>Other (PI)</td>
<td>0.59%</td>
<td>$1,770.00</td>
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<tr>
<td><strong>TOTAL ESTIMATED DOLLAR AMOUNT</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>$300,000.00</strong></td>
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### BUDGET INFORMATION

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<th>Department:</th>
<th>Security</th>
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<tbody>
<tr>
<td>Project Area:</td>
<td>DC Water Wide</td>
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<td>Ivelisse Cassas</td>
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### ESTIMATED USER SHARE INFORMATION

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<thead>
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<th>Capital Equipment Share %</th>
<th>Dollar Amount</th>
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<tbody>
<tr>
<td>District of Columbia</td>
<td>45.81%</td>
<td>$137,430.00</td>
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<tr>
<td>Washington Suburban Sanitary Commission</td>
<td>39.52%</td>
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<tr>
<td>Fairfax County</td>
<td>9.51%</td>
<td>$28,530.00</td>
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<tr>
<td>Loudoun Water</td>
<td>4.36%</td>
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<td>Other (PI)</td>
<td>0.80%</td>
<td>$2,400.00</td>
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<tr>
<td><strong>TOTAL ESTIMATED DOLLAR AMOUNT</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>$300,000.00</strong></td>
</tr>
</tbody>
</table>

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Maureen Holman
EVP of Administration
Date: 07/13/2020

Dan Bae
VP of Procurement and Compliance
Date: ______________

Matthew T. Brown
CFO and EVP of Finance and Procurement
Date: 07/13/2020 17:25:16

David L. Gadis
CEO and General Manager
Date: ______________
DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS CONTRACTOR FACT SHEET

ACTION REQUESTED

GOODS AND SERVICES CONTRACT OPTION YEAR
Small Construction and Renovations
(Joint Use)

Approval to exercise Option Year 2 for Small Construction and Renovations for the Department of Facilities in a not to exceed amount of $1,400,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

<table>
<thead>
<tr>
<th>PRIME:</th>
<th>SUBS:</th>
<th>PARTICIPATION:</th>
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<tbody>
<tr>
<td>ADP Group, Inc.*</td>
<td>N/A</td>
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</tr>
<tr>
<td>Washington, DC 20019</td>
<td></td>
<td></td>
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<tr>
<td>North Arrow, Co.*</td>
<td>N/A</td>
<td>100%</td>
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<tr>
<td>Washington, DC 20002</td>
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<tr>
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<tr>
<td>Beltsville, MDM 20705</td>
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<tr>
<td>*LSBE</td>
<td></td>
<td></td>
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</tbody>
</table>

DESCRIPTION AND PURPOSE

Base Contract Value: $1,202,307.79
No. of Option Years in Contract: 2
Option Year 1 Value: $1,955,000.00
Option Year 1 Dates: 07-13-2019 -- 9-30-2020
This Option Year 2 Value: $1,400,000.00
This Option Year 2 Dates: 10-01-2020 – 09-30-2021

Purpose of the Contract:

DC Water needs the services of qualified general contractors, licensed in the Washington DC Metropolitan area to provide general construction work for roof, carpentry, partition installation & removal, dry wall systems plumbing, cast and place concrete, HVAC, electrical applications, demolition as applicable to the project, painting, fall protection, ceiling & floor tiles and any other services related to small construction, as well as renovations that arise within the Authority.

ADP Group, Inc., North Arrow Co. and Mid-Atlantic General Contractors, were awarded separate IDIQ contracts to provide general small construction and renovation projects.

Contract Modification:

For the Option Year 2, the following projects are identified with available budget in the amount of $1,400,000.00.
- CMF Reno/Shops and Warehouse Supply Building 1 (SB1)
- CMF Mezzanine Atrium Outside Flashing Installation
- HQO Flag Poles Installation
- HQO Elevated Crosswalk Design & Construction
- CMF Supply Building 1 (SB1) Warehouse Hazardous Materials Survey
- Main Pumping Station O St – Lead Removal and Painting in Basement and Machine Shop
- Main Pumping Station O St Windows Painting & Window to Cover Door
- DSLF Roof Replacement
Spending Previous Years:
Cumulative Contract Spending: 07-13-2018 to 07-06-2020: $2,157,054.41

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

<table>
<thead>
<tr>
<th>Contract Type:</th>
<th>Indefinite Delivery/Indefinite Quantity (IDIQ) Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>Award Based On:</td>
<td>Highest Ratings</td>
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<td>Commodity:</td>
<td>Small Construction &amp; Renovation</td>
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<td>Contract Number:</td>
<td>18-PR-DFS-28 A, B, C</td>
</tr>
<tr>
<td>Contractor Market:</td>
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</table>

BUDGET INFORMATION

Funding: Capital Projects, Capital Equipment, Operating
Department: Facilities
Project Area: LS (Capital)
Department Head: Brent Christ

ESTIMATED USER SHARE INFORMATION

Joint-Use Direct (Capital Projects)

<table>
<thead>
<tr>
<th>Share %</th>
<th>Dollar Amount</th>
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<tbody>
<tr>
<td>District of Columbia</td>
<td>41.22%</td>
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<td>45.84%</td>
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<td>Fairfax County</td>
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<tr>
<td>Loudoun Water</td>
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<td>Potomac Interceptor</td>
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Joint-Use Direct (Capital Equipment)

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<th>Share %</th>
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<td>45.81%</td>
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<td>Fairfax County</td>
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<td>Loudoun Water</td>
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<td>Potomac Interceptor</td>
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Joint-Use Indirect (Operating)

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<th>Share %</th>
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<tr>
<td>Washington Suburban Sanitary Commission</td>
<td>23.02%</td>
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<tr>
<td>Fairfax County</td>
<td>5.37%</td>
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<tr>
<td>Loudoun Water</td>
<td>2.32%</td>
</tr>
<tr>
<td>Potomac Interceptor</td>
<td>0.32%</td>
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<td><strong>TOTAL ESTIMATED DOLLAR AMOUNT</strong></td>
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<td>Total Cost Allocation</td>
<td>Share %</td>
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<tr>
<td>-----------------------------------------------</td>
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<tr>
<td>District of Columbia</td>
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<tr>
<td>Fairfax County</td>
<td>8.81%</td>
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<tr>
<td>Loudoun Water</td>
<td>3.99%</td>
</tr>
<tr>
<td>Potomac Interceptor</td>
<td>0.76%</td>
</tr>
<tr>
<td><strong>TOTAL ESTIMATED DOLLAR AMOUNT</strong></td>
<td><strong>100.00%</strong></td>
</tr>
</tbody>
</table>

Maureen Holman / 07/13/20
EVP of Administrative Services

Dan Bae
VP of Procurement and Compliance

Matthew T. Brown
CFO and EVP of Finance and Procurement

David L. Gadis
CEO and General Manager
MEMORANDUM OF UNDERSTANDING AGREEMENT:
Planning, Construction, Operation and Maintenance of Long-Term Control Plan (LTCP) Facilities (Joint Use)

Approval to execute the Memorandum of Understanding (MOU) between District of Columbia Department of Transportation (DDOT), District Department of Consumer and Regulatory Affairs, the Office of the Deputy Mayor for Planning & Economic Development and DC Water for $4,200,000.00. The modification exceeds the General Manager’s approval authority.

PARTY INFORMATION

PARTY:
District of Columbia Department of Transportation
55 M Street SE
Washington, DC 20003

District Department of Consumer and Regulatory Affairs
1100 4th Street SW
Washington, DC 20024

Office of the Deputy Mayor for Planning and Economic Development
1350 Pennsylvania Avenue, NW
Washington, DC 20004

SUBS:
Not Applicable

PARTICIPATION:
Not Applicable

DESCRIPTION AND PURPOSE

MOU Value FY2021 to FY2031, Not-To-Exceed: $4,200,000.00
MOU Time: 3,743 Days (10 Years, 3 Months)
Actual MOU Start Date: 10-01-2020
Anticipated MOU Completion Date: 12-31-2030

Purpose of the MOU:
To provide for authorization of LTCP facilities on District property, granting of easements and expediting District permits to allow construction. This work is required by a Consent Decree.

MOU Scope:

- Ongoing, from FY2021 to FY2031, the MOU specifies timelines for DDOT and DCRA to issue permits authorizing construction. The MOU also provides for DC Water payments to DDOT for Third Party Reviews to expedite permits. Definitive timelines and expediting of permits are required to meet aggressive deadlines in Consent Decree. Estimated costs for FY2021 to FY2030 are $4,200,000.00.

- Previously, from FY2013 to FY2020, the MOU provided for DC Water payments to DMPED for easements for the Anacostia River Tunnel and to DDOT for Third Party Reviews to expedite permits (more than 1,400 permits since 2016, more than 2,500 permits since inception) for the entire program. Total costs FY2013 to FY2020 have been $7,489,053.66.

Federal Grant Status:

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

<table>
<thead>
<tr>
<th>Contract Type:</th>
<th>MOU</th>
<th>Award Based On:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Commodity:</td>
<td>Construction</td>
<td>Contract Number:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## BUDGET INFORMATION

- **Funding:** Capital
- **Service Area:** Combined Sewer
- **Project:** CY
- **Department:** Clean Rivers
- **Department Head:** Carlton Ray

## ESTIMATED USER SHARE INFORMATION

<table>
<thead>
<tr>
<th>User</th>
<th>Share %</th>
<th>Dollar Amount</th>
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<td>District of Columbia</td>
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<td>Federal Funds</td>
<td>0.00%</td>
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<td>3.97%</td>
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<td>Fairfax County</td>
<td>0.71%</td>
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<td>Potomac Interceptor</td>
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<td>$3,360.00</td>
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<tr>
<td><strong>Total Estimated Dollar Amount</strong></td>
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<td>$4,200,000.00</td>
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</table>

Leonard R. Benson, SVP CIP Project Delivery

Dan Bae, VP Procurement & Compliance

Matthew T. Brown, CFO and EVP Finance & Procurement

David L. Gadis, CEO & General Manager
MEMORANDUM OF UNDERSTANDING AGREEMENT:
South Capitol Street Corridor Phase 1
(Joint Use)

Approval to execute the Memorandum of Understanding (MOU) between District of Columbia Department of Transportation (DDOT) and DC Water for $1,975,000. The modification exceeds the General Manager's approval authority.

PARTY INFORMATION

| PARTY: | District of Columbia Department of Transportation  
55 M Street SE  
Washington, DC 20003 |
<table>
<thead>
<tr>
<th></th>
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<tr>
<td>SUBS:</td>
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</table>

DESCRIPTION AND PURPOSE

MOU Value, Not-To-Exceed: $1,975,000.00
MOU Time: 2,631 Days (7 Years, 2 Months)
Actual MOU Start Date: 10-17-2016*
Anticipated MOU Completion Date: 12-31-2023

*In accordance with past practices, this MOU had proceeded prior to June 2020 determination by DC Water Legal Affairs that Board approval is required for each commitment made under the DCW-DDOT 2002 MOA for construction services with project costs of $1 Million or greater.

Purpose of the MOU:
To provide for installation of new water mains and sanitary sewers, as well as construction of protection slabs for DC Water’s existing infrastructure as part of DDOT’s South Capitol Street Corridor Phase 1 project.

MOU Scope:
- DDOT prepared design plans to include installation of water mains, relocation of sewer mains and protection of existing assets within the project footprint.
- DDOT competitively bid the project and awarded a contract to South Capitol Bridge Builders to construct the water mains, protection slabs and relocation of sewer mains
- The scope of the agreement provides for bidding and constructing of water mains, protection slabs and relocation of sewer mains and compensation by DC Water for actual work constructed
- The DDOT project will install water and sanitary sewer mains within the South Capitol Street Corridor Phase 1 project limits that will include:
  - Installation of 4 to 30-inch water mains and appurtenances
  - Installation of 12-inch sanitary sewer
  - Installation of 108-inch Force Main Protection-In-Place Slab
  - Installation of 96-inch Twin Outfall Sewers Protection-In-Place Slab
  - Abandonment of 96-inch Anacostia Force Main Gravity Sewer (AFMGS) siphon vent stacks

Federal Grant Status:
- Work under this MOU is not eligible for Federal grant funding assistance.
### AGREEMENT INFORMATION

<table>
<thead>
<tr>
<th>Contract Type:</th>
<th>MOU</th>
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<tbody>
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<td>Award Based On:</td>
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<td>Commodity:</td>
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<td>Contract Number:</td>
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### BUDGET INFORMATION

<table>
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<tr>
<th>Funding:</th>
<th>Capital</th>
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<tbody>
<tr>
<td>Department:</td>
<td>Engineering and Technical Services</td>
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<tr>
<td>Service Area:</td>
<td>Water and Sanitary Sewer</td>
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<tr>
<td>Department Head:</td>
<td>Craig Fricke</td>
</tr>
<tr>
<td>Project:</td>
<td>FT, HT</td>
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### ESTIMATED USER SHARE INFORMATION

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<tr>
<th>User</th>
<th>Share %</th>
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<td>District of Columbia</td>
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<td>Loudoun County &amp; Potomac Interceptor</td>
<td>0.00%</td>
<td>$</td>
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<tr>
<td><strong>Total Estimated Dollar Amount</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>$1,975,000.00</strong></td>
</tr>
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</table>

Leonard Benson  
Leonard R. Benson, SVP  
CIP Project Delivery

Dan Bae, VP  
Procurement & Compliance

Matthew T. Brown  
Matthew T. Brown, CFO and EVP  
Finance & Procurement

David L. Gadis  
CEO & General Manager
DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS CONTRACTOR FACT SHEET

ACTION REQUESTED

ENGINEERING SERVICES:
Basic Ordering Agreement - Subsurface Utility Engineering (SUE) 1
(Joint Use)

Approval to execute an architectural and engineering services contract for $2,000,000.

CONTRACTOR/SUB/VENDOR INFORMATION

<table>
<thead>
<tr>
<th>PRIME:</th>
<th>SUBS:</th>
<th>PARTICIPATION:</th>
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<tbody>
<tr>
<td>Accurate Infrastructure Data, Inc. 1123 Hanzlik Avenue Baltimore, MD 21237-2956</td>
<td>CV, Inc. Clarksburg, MD</td>
<td>MBE 30.0%</td>
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<tr>
<td></td>
<td>Precision Measurements, Inc. Glen Allen, VA</td>
<td>WBE 5.0%</td>
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DESCRIPTION AND PURPOSE

Contract Value, Not-To-Exceed: $2,000,000.00
Contract Time: 1,095 Days (3 Years, 0 Months)
Anticipated Contract Start Date: 11-02-2020
Anticipated Contract Completion Date: 10-30-2023

Other firms submitting proposals/qualification statements:
- Accumark Inc.
- JMT
- Weston and Sampson
- AMT*
- KCI*
- EBA
- SAM
- Infra Map Corp
- T2
* Asterisk indicates shortlisted firms.

Purpose of the Contract:

The Consultant shall perform Subsurface Utility Engineering services for various Water Main Renewal and Sanitary Sewer rehabilitation projects located throughout the District of Columbia.

Contract Scope:

- For each individual Task Order the Consultant shall perform Subsurface Utility Engineering activities consistent with the most current American Society of Civil Engineers (ASCE) Standard 38 (currently ASCE/CI 38-02 Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data)
- Deliverables will consist of Utility Drawings and a Utility Report
- The digital mapping files and/or test hole plans will be generated in AutoCAD Civil 3D conforming to DC Water’s CAD Manual
- The Utility Report will provide important information that enables DC Water to better understand the subsurface utility landscape and related risks relevant to the design task
- The mapping and analysis of subsurface utilities and excavation and documentation of test hole results will be based on the Quality Levels (QL) B and A, respectively, per ASCE 38-02
- The deliverable will also include the list of utility providers identified through the District One-Call system as part of a comprehensive table of utility providers from whom records were requested and their responses
**PROCUREMENT INFORMATION**

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<tr>
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<td>Engineering Design Services</td>
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<td>Contract Number:</td>
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<td>Contractor Market:</td>
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**BUDGET INFORMATION**

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<tbody>
<tr>
<td>Department:</td>
<td>Engineering and Technical Services</td>
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<td>Service Area:</td>
<td>Water and Sewer</td>
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<td>Department Head:</td>
<td>Craig Fricke</td>
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<tr>
<td>Project:</td>
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**ESTIMATED USER SHARE INFORMATION**

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<th>User</th>
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<tr>
<td>Fairfax County</td>
<td>0.00%</td>
<td>$</td>
</tr>
<tr>
<td>Loudoun County &amp; Potomac Interceptor</td>
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<td>$</td>
</tr>
<tr>
<td><strong>Total Estimated Dollar Amount</strong></td>
<td>100.00%</td>
<td>$2,000,000.00</td>
</tr>
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</table>

Work under this contract will be assigned as needed under specific task orders. It is anticipated that Joint Use work may be assigned during the contract period. As tasks are developed for work associated with specific facilities and costs are developed, the individual users will be notified and billed according to agreed cost-sharing.

Leonard Benson, SVP
CIP Project Delivery

Dan Bae, VP
Procurement & Compliance

Matthew T. Brown, CFO and EVP
Finance & Procurement

David L. Gadis, CEO & General Manager
MEMORANDUM OF UNDERSTANDING AGREEMENT:

DDOT Water Projects 15 – Replacement of Water Mains
(Non-Joint Use)

Approval to execute the Memorandum of Understanding Agreement (MOU) between District of Columbia Department of Transportation (DDOT) and DC Water for $4,691,655. The modification exceeds the General Manager’s approval authority.

PARTY INFORMATION

<table>
<thead>
<tr>
<th>PARTY:</th>
<th>SUBS:</th>
<th>PARTICIPATION:</th>
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<tbody>
<tr>
<td>District of Columbia Department of Transportation</td>
<td>MBE and WBE fair share objectives will follow DDOT goals.</td>
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<tr>
<td>55 M Street SE</td>
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<tr>
<td>Washington, DC 200003</td>
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DESCRIPTION AND PURPOSE

MOU Value, Not-To-Exceed: $4,691,655.00
MOU Time: 809 Days (2 Years, 2 Months)
MOU Start Date: 10-04-2019*
MOU Completion Date: 12-21-2021

*In accordance with past practices, this MOU had proceeded prior to June 2020 determination by DC Water Legal Affairs that Board approval is required for each commitment made under the DCW-DDOT 2002 MOA for construction services with project costs of $1 Million or greater.

Purpose of the MOU:

To provide construction of Replacement of Water Mains and Rehabilitation of Sewer Main on Oregon Ave, NW from Military Road to Western Ave, NW by DDOT as part of DDOT’s Oregon Ave Reconstruction Project.

MOU Scope:

- DC Water prepared design plans to include replacement of water mains and rehabilitation of sewer mains
- DDOT competitively bid the project and awarded a contract to Capitol Paving to construct the water main replacements and rehabilitation of sewer mains
- The scope of the agreement provides for bidding and replacement of water mains and rehabilitation of sewer mains and compensation by DC Water for actual work constructed
- The DDOT project will replace about 2,290 linear feet of 6-16-inch water mains and 1,710 linear feet of 1-inch or less water service pipes. In addition, it will re-align at least 390 linear feet of 16-inch and 21-inch sewer mains and manholes. Scope includes installation of valves and moving of hydrants

Federal Grant Status:

- Work under this MOU is not eligible for Federal grant funding assistance
**MOU Fact Sheet – DDOT Water Project 15 -Replacement of Water Mains**

Prepared June 24, 2020

---

**AGREEMENT INFORMATION**

<table>
<thead>
<tr>
<th>Contract Type:</th>
<th>MOU</th>
<th>Award Based On:</th>
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<tbody>
<tr>
<td>Commodity:</td>
<td>Construction</td>
<td>Contract Number:</td>
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**BUDGET INFORMATION**

<table>
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<tr>
<th>Funding:</th>
<th>Capital</th>
<th>Department:</th>
<th>Engineering and Technical Services</th>
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<tbody>
<tr>
<td>Service Area:</td>
<td>Water, Sanitary</td>
<td>Department Head:</td>
<td>Craig Fricke</td>
</tr>
<tr>
<td>Project:</td>
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**ESTIMATED USER SHARE INFORMATION**

<table>
<thead>
<tr>
<th>User</th>
<th>Share %</th>
<th>Dollar Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>District of Columbia</td>
<td>100.00%</td>
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<tr>
<td>Federal Funds</td>
<td>0.00%</td>
<td>$</td>
</tr>
<tr>
<td>Washington Suburban Sanitary Commission</td>
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<td>$</td>
</tr>
<tr>
<td>Fairfax County</td>
<td>0.00%</td>
<td>$</td>
</tr>
<tr>
<td>Loudoun County &amp; Potomac Interceptor</td>
<td>0.00%</td>
<td>$</td>
</tr>
<tr>
<td><strong>Total Estimated Dollar Amount</strong></td>
<td>100.00%</td>
<td>$4,691,655.00</td>
</tr>
</tbody>
</table>

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

Dan Bae, VP
Procurement & Compliance
Date

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

David L. Gadis, CEO & General Manager
Date
MEMORANDUM OF UNDERSTANDING AGREEMENT:
Replacement of Water Mains on New Jersey Ave, NW
(Non-Joint Use)

Approval to execute the Memorandum of Understanding Agreement (MOU) between District of Columbia Department of Transportation (DDOT) and DC Water for $1,090,895.75. The modification exceeds the General Manager’s approval authority.

PARTY INFORMATION

<table>
<thead>
<tr>
<th>PARTY: District of Columbia Department of Transportation</th>
<th>SUBS: MBE and WBE fair share objectives will follow DDOT goals.</th>
<th>PARTICIPATION:</th>
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<tbody>
<tr>
<td>55 M Street SE Washington, DC 200003</td>
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DESCRIPTION AND PURPOSE

MOU Value, Not-To-Exceed: $1,090,895.75
MOU Time: 621 Days (1 Years, 9 Months)
Anticipated MOU Start Date: 05-01-2019*
Anticipated MOU Completion Date: 01-31-2021

*In accordance with past practices, this MOU had proceeded prior to June 2020 determination by DC Water Legal Affairs that Board approval is required for each commitment made under the DCW-DDOT 2002 MOA for construction services with project costs of $1 Million or greater.

Purpose of the MOU:
To provide for replacement of water mains by DDOT as part of DDOT’s Roadway Improvements along New Jersey Avenue NW Project.

MOU Scope:
- DC Water prepared design plans to include Replacement of Water Mains along New Jersey Ave, NW in DDOT’s Roadway Improvements along New Jersey Avenue NW Project
- DDOT competitively bid the project and awarded a contract to Capitol Paving to construct the improvements
- The scope of the agreement provides for bidding and Replacement of Water Mains, and compensation by DC Water for actual work constructed
- The Replacement of Water Mains will replace about 2,025-linear feet of 6-inch to 12-inch water mains, 900-linear feet water service pipes, and installation of valves, fire hydrants and water meters.

Federal Grant Status:
- Work under this MOU is not eligible for Federal grant funding assistance
### AGREEMENT INFORMATION

<table>
<thead>
<tr>
<th>Contract Type:</th>
<th>MOU</th>
<th>Award Based On:</th>
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<tr>
<td>Commodity:</td>
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### BUDGET INFORMATION

- **Funding:** Capital
- **Department:** Engineering and Technical Services
- **Service Area:** Water
- **Department Head:** Craig Fricke
- **Project:** F2

### ESTIMATED USER SHARE INFORMATION

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<td>Fairfax County</td>
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<td>Loudoun County &amp; Potomac Interceptor</td>
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<td><strong>Total Estimated Dollar Amount</strong></td>
<td>100.00%</td>
<td><strong>$ 1,090,895.75</strong></td>
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Leonard Benson  
Leonard R. Benson, SVP  
CIP Project Delivery  
_Digitally signed by Leonard Benson_  
DN: dc00.com, dcvwoasa, ou=VISA  
Users, ou=Engineering, cn=Leonard Benson  
email: Leonard.Benson@dcwater.com  
Date: 2020.07.08 16:38:49-0400

Dan Bae, VP  
Procurement & Compliance  
_Digitally signed by Dan Bae_  
DN: O=usSE, ou=Dan Bae@dcwater.com,  
CN=VP of Procurement & Compliance, CN=Dan Bae  
Date: 2020.07.09 11:28:13-0400

Matthew T. Brown  
Date: 2020.07.10 13:04:37  
-04/00

David L. Gadis  
CEO & General Manager  
Date
DC Water and Washington Suburban Sanitary Commission: Relationships and Communications
Presentation to the Environmental Quality and Operations Committee, July 16, 2020
District of Columbia Water and Sewer Authority
The Basis of The Relationships between DC Water and Washington Suburban Sanitary Commission is expressly set forth in the 2012 Intermunicipal Agreement (IMA)

FROM THE 2012 IMA PREAMBLE:

NOW, THEREFORE, the undersigned parties agreed that

- Allocating the wastewater treatment capacity of Blue Plains and other associated Facilities and related peak flows for the collection system
- Equitably allocating the Capital Costs of wastewater treatment and biosolids management
- Equitably allocating O&M Costs
- Defining the responsibilities of pretreatment and operational requirements and biosolids management
- Defining the process of making future wastewater capacity planning decisions, including addressing load allocations
- Providing a mechanism for continuing coordination, cooperation and communication
- Providing environmental stewardship.
2012 Blue Plains Intermunicipal Agreement (2012 IMA) – Committees & Communications

Leadership Committee

Regional Committee

Subcommittees & Work Groups

- Technical Subcommittee
- Legal Work Group
- Financial Work Group
- Blue Plains Service Area (BPSA) Pretreatment Work Group
- Blue Plains Biosolids Management Work Group
- BPSA Billing Meters Work Group
2012 Blue Plains Intermunicipal Agreement (2012 IMA) – Committees & Communications

- Described in IMA Section 2: Governance and other IMA Sections
- Members are CAOs / GMs representatives of the 6 IMA Parties
- Oversees implementation of the IMA
- Convenes at least annually to receive briefings, approve new joint use facility cost shares, resolve issues, etc.
- Ensures Parties’ and Non-Party Users’ financial commitments are met
- Current members:
  - District of Columbia – Rashad Young
  - DC Water – David Gadis
  - Fairfax County – Bryan Hill
  - Montgomery County – Andrew Kleine
  - Prince George’s County – Major Riddick
  - WSSC Water – Carla A. Reid
2012 Blue Plains Intermunicipal Agreement (2012 IMA) – Committees & Communications

- Described in IMA Section 2: Governance and in By-laws and Procedures
- 2 members appointed by Leadership Committee representative
- Meets at least quarterly (March, June, September, & December)
- Create standing and ad hoc subcommittees / work groups
- Current members
  - DC Water – Len Benson, Aklile Tesfaye
  - District of Columbia – Ariel Giles, Ayana Rockett
  - Fairfax County – Shahram Mohsenin, Stacey Smalls
  - Montgomery County – Steven Shofar, Nasser Kamazani
  - Prince George’s County – Lavinia Baxter, Jerry Maldonado
  - WSSC Water – Tom Hilton, J.C. Langley

Regional Committee
Identified in By-laws and Procedures

Meets eight times per year in months without Regional Committee meetings (January, February, April, May, July, August, October, November)

Regular members from Operating Agencies

- DC Water – Nicholas Passarelli (chair), Srinivasa Gadiparthi
- Fairfax County – Shahram Mohsenin, William Barrack, Shwan Fatah
- WSSC Water – Joel Caudill, Kimberley Six, Carol Mojica
- COG Staff
2012 Blue Plains Intermunicipal Agreement (2012 IMA) – Committees & Communications

Agreement between Metropolitan Washington Council of Governments (MWCOG) and the six IMA Parties

- MWCOG provides support for implementation of the IMA
- Secretariat Support – meetings, document preparation, recordkeeping, support to Parties, committees, and work groups
- Technical and Policy Support – example activities include: BPSA Flow Forecast Model, BPSA Long-Term Planning Study, Jointly Managed Studies, BP Biosolids Management support and research, Bay TMDL/ water quality issues, legal support, and project and contract management
- Annual work program & budget developed with and recommended by Regional Committee and approved by Leadership Committee
- Costs apportioned based on allocation in IMA and invoiced by MWCOG
2012 Blue Plains Intermunicipal Agreement (2012 IMA) – Committees & Communications

About MWCOG

- Metropolitan Washington Council of Governments (MWCOG) is an independent, nonprofit association
- Brings area leaders together to address major regional issues in the District of Columbia, suburban Maryland, and Northern Virginia
- Membership is comprised of 300 elected officials from 24 local governments, the Maryland and Virginia state legislatures, and U.S. Congress
How do WSSC Water and DC Water Communicate to Fulfill Obligations Under the 2012 IMA?

**FORMAL COMMUNICATIONS**
- 2012 Blue Plains IMA Committees
  - Leadership Committee (Annually)
  - Regional Committee (Quarterly)
  - Blue Plains Technical Sub-Committee (Monthly except for months with regional committee)
- DC Water Wholesale Customer Briefing (Annually)
- DC Water OEM Potomac Interceptor Emergency Response Seminar and Planning Meeting – (Annually)
- Biosolids Coordination Meeting, (Monthly)

**INFORMAL**
- DC Water – WSSC Water Routine Ad Hoc Operational Communications
Wholesale Customer Briefing

Annually DC Water holds a meeting with Wholesale Customers (WSSC, Fairfax, and Loudoun) on its proposed budget.

- The FY2021 briefing was held on January 10, 2020.

Various topics are discussed, such as:

- Billing
- Operating Budget
- Blue Plains Operations Overview
- Capital Projects and 10-year Capital Spending Plan
- ROCIP program updates

The CFO's Office coordinates this meeting, and it includes participation from across DC Water including Operations and Engineering.

The Wholesale customers participate in the meeting with their senior finance and engineering teams.

DC Water has visited Wholesale customers in the past, most recently March 2018.
Wholesale Customer Briefing

The Wholesale Customer Briefing typically includes:

**Billing:**
- Timing and process of annual estimated billing, quarterly billing, and annual settlement after the fiscal year is closed and financial statements are audited by our auditors. We also update customers on ongoing or recently completed WSSC audits.
- Estimated 10-year capital disbursements plan and wholesale and non-wholesale shares.
- Most recent Blue Plains Operations and Maintenance (O&M) costs trends and Wholesale and Non-Wholesale contribution estimates for the budget year under discussion.
- Current Multi-Jurisdictional Use Facilities (MJUF) costs trends and Wholesale and Non-Wholesale contribution estimates for the budget year under discussion.

**Operating Budget:**
- DC Water budget process and timeline for board adoption.
- Proposed operating budgets and comparison to most recent year.
- Operating budgets trends, key budget drivers, and changes in budget amounts under main categories (e.g. personnel, chemicals & supplies, water purchase, contracts, and small equipment, etc.).
Wholesale Customer Briefing

Blue Plains Operations

- Performance of the Plant and permit compliance.
- Volume of wastewater treated, and Bio-solids produced and marketed
- Update on important Blue Plains facilities (CHP, Filtrate Treatment Facility, etc.)
- Research and Development activities and updates on treatment programs

Capital Improvement Program:

- Projects in the 10-year Capital Improvement Plan
- Spending prioritization (mandates, health & safety etc.)
- Updates on ongoing major Blue Plains, Potomac Interceptor, Pumping Stations, and Clean River Projects (including consent decree) and Plans, projected costs and estimated start and finish timelines.

ROCIP

- Program costs, program periods, claims and costs statistics, cost savings, and the future plans.
Capital Projects – Engineering Role

10-year CIP

- Each year Engineering develops the 10-year projected CIP cost shares for DC & Wholesale Customers and submits to Finance & Budget for inclusion in financial plan and for The Annual Wholesale Customers Briefing.
- Engineering will respond to select detailed billing queries on an Ad Hoc basis

Project Cost Share Agreement

- **New Joint Use Facility** (for example: Headquarters Building)
  - Engineering prepares draft cost share for review and approval via IMA committees (BP Subcommittee, Regional and Leadership Committees)
- **Existing Multi-jurisdictional Use Facilities** (MJUFs) (for example: Potomac Interceptor)
  - Engineering prepares draft cost share for review and approval using previously agreed methodology in accordance with Tech Memo. No. 1.
Working Groups and Ad Hoch Contacts with IMA Parties
Wastewater Operations

<table>
<thead>
<tr>
<th>Meetings</th>
<th>Frequency</th>
<th>Participants</th>
<th>Objectives</th>
<th>Issues Routinely Discussed</th>
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<tr>
<td>Biosolids Coordination Meeting</td>
<td>Monthly</td>
<td>All IMA parties including WSSC, biosolids application contractors, land application inspectors, COG, as well as DC Water Operations staff</td>
<td>Operational issues, and short–term/long-term plans</td>
<td>Biosolids production allocations to contractors, quality issues including odor complaints (if any), other field observations, collaborative research</td>
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<tr>
<td>R&amp;D Meeting</td>
<td>Annually</td>
<td>WSSC</td>
<td>To exchanges ideas and discuss issues in common and potential for collaboration or information sharing</td>
<td></td>
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</table>

In addition, Wastewater Operations participates in the following IMA Work Groups coordinated through MWCOG:

- IMA leadership Committee
- IMA Regional Committee
- IMA Technical Sub-Committee
- IMA Billing Meter Work Group
- IMA Pretreatment Work Group
- IMA Wholesale Customer Briefing
- IMA Biosolids Work Group
Other DC Water Engineering – WSSC and Fairfax Water Communications and Coordination

Consultant and Design Build Selections

- WSSC and Fairfax participate as voting panel members for joint use A/E and Design-Build RFP review and selections

Maryland and Virginia State Grant Assistance

- Assistance provided to WSSC and Fairfax in managing their MD and VA state grants. For example MD and VA funded WSSC’s and Fairfax’s share of the Enhanced Nitrogen Removal project.
  - Assistance provided:
    - Conducted Blue Plains tours for Maryland Dept of Environment and Virginia Dept of Environmental Quality representatives
    - Project status reporting and Grant billing

WSSC fiscal year Projections

- Provide WSSC preliminary CIP projections to meet their June to July Fiscal year
Engineering Projects with WSSC/Fairfax County Government on Selection Committees

### DETS

<table>
<thead>
<tr>
<th>Contract Number/DCFA</th>
<th>Project Name</th>
<th>WSSC Representative</th>
<th>Fairfax County Government</th>
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<tr>
<td>Contract No. 140060</td>
<td>New Headquarters Building</td>
<td>Nick Gardner</td>
<td>Michael McGrath</td>
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<td>Contract No. 140100</td>
<td>Solar Power Purchase Agreement</td>
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<td>Contract No. 180070</td>
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<td>Contract No. 100120</td>
<td>Main Process Train (MPT)</td>
<td>Roland Steiner</td>
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<td>Contract No. 100150</td>
<td>Combined Heat and Power (CHP)</td>
<td>Roland Steiner</td>
<td>Sarah Moroki</td>
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<td>Contract No. 120070</td>
<td>Tunnel Dewatering Pumping Station &amp; Enhanced Clarification Facility</td>
<td>Roland Steiner</td>
<td>Michael McGrath</td>
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<td>Contract No. 190010</td>
<td>Rehabilitation of Potomac Interceptor between MH31 &amp; MH30</td>
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<td>Michael McGrath</td>
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<td>Contract No. 190070</td>
<td>Fleet Maintenance Facility</td>
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<td>Contract No. 190080</td>
<td>Service Facility</td>
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<td>DCFA 439</td>
<td>Engineering Program Management Consultant (EPMC) 3C for the Sewer System</td>
<td>Roland Steiner</td>
<td>Gilbert Osei-Kwadwo</td>
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<td>DCFA 451</td>
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<td>DCFA 454 &amp; 455</td>
<td>Basic Ordering Agreements (BOAs) - Infrastructure XI and XII</td>
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<td>Gilbert Osei-Kwadwo</td>
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<td>Jonathan Okaifor</td>
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<td>DCFA 459</td>
<td>Construction Management Services</td>
<td>Craig Fricke</td>
<td>Brad Melton</td>
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<td>DCFA 483</td>
<td>Screening, Grit and Primary Facilities Upgrades</td>
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<td>DCFA 485</td>
<td>IDIQ Contract for Condition Assessment of Large Diameter Wastewater Main and Major Sewers</td>
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<td>Jonathan Okaifor</td>
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<td>DCFA 489</td>
<td>Wastewater Treatment Facility - Basic Ordering Agreement (BOA)</td>
<td>Tim Hilton</td>
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<td>DCFA 503</td>
<td>Wastewater Treatment Program Manager II</td>
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<td>Contract No. 130080</td>
<td>Division D - Design-Build JBAB Overflow and Diversions Structures</td>
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<td>Contract No. 130090</td>
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<td>Contract No. 140150</td>
<td>Division J - Design-Build Northeast Boundary Tunnel</td>
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<td>Michael McGrath</td>
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<td>DCFA 320</td>
<td>Program Manager Long Term Control Plan</td>
<td>Roland Steiner</td>
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<td>DCFA 421</td>
<td>General Consultant for Tunnels and Geotechnical Engineering LTCP</td>
<td>Roland Steiner</td>
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<td>DCFA 440</td>
<td>Division A - Construction Management Services Blue Plains Tunnel</td>
<td>Roland Steiner</td>
<td>Michael McGrath</td>
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<td>DCFA 445</td>
<td>Division Z - Poplar Point Pumping Station Replacement</td>
<td>Craig Fricke</td>
<td>Keith Chase</td>
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<td>DCFA 446</td>
<td>Division I - Main Pumping Station &amp; Tingy Street Diversions</td>
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<td>DCFA 453</td>
<td>Division H - Construction Management Services Anacostia River Tunnel</td>
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<td>DCFA 457</td>
<td>Division I &amp; Division D - Construction Management Services Main Pumping Station &amp; Diversions &amp; JBAB Overflow and Diversions Structures</td>
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<td>DCFA 463</td>
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<td>DCFA 493</td>
<td>DCCR Program Management</td>
<td>Joe Caudill</td>
<td>Michael McGrath</td>
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</table>
Other DC Water – WSSC Water Informal Communications and Coordination

- DC Water and Sewer Services: Issues with Pipe Systems at Boundary DCW – WSSC Water Service Areas are routinely resolved thru respective Agency’s Emergency Command Center
- DC Water Sewer Pumping Operations routinely coordinates with WSSC Water Pumping Operations directly at the Pumping Operations Level
Communications with WSSC Water – DC Water GI Practicability Assessment – Meetings held to Review Approach to GI

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<th>No.</th>
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<td>NGO – Marchant Wentworth</td>
<td>4/24/2020</td>
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<td>5</td>
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<td>6</td>
<td>NGOs</td>
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<td>7</td>
<td>National Park Service</td>
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<td>8</td>
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<td>ANCE 2E in Georgetown</td>
<td>5/26/2020</td>
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<td>10</td>
<td>National Park Service Chesapeake &amp; Ohio Canal Park</td>
<td>6/1/2020</td>
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<td>12</td>
<td>WSSC</td>
<td>6/5/2020</td>
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<td>13</td>
<td>Public Webinar attended by more than 100 people</td>
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<td>14</td>
<td>IMA - Regional Committee (WSSC, Montgomery County, Prince George's County, Fairfax County and DC Water attended)</td>
<td>6/25/2020</td>
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</table>

Meetings held with WSSC after June 4 Board meeting to address comment.
Communications with WSSC Water – DC Water GI Practicability Assessment

- GI not constructible on Potomac, Consent Decree dictates outcome if GI is impracticable
- Constructing full Potomac Tunnel puts the controls back to the original plan when the IMA was signed and the original basis for 7.1% suburban share for MJUF facilities
- Consent Decree decision is separate from cost allocation decision.
- IMA provides a process for determining cost allocation:
  - Review facilities based on detailed designs
  - Determine MJUF facilities subject to 7.1% suburban share
  - Regional Committee reviews, refers to Leadership Committee for approval
  - Same approach followed for other CSO tunnels

- DC Water reaffirmed it would follow the cost allocation approach in the 2012 IMA for the CSO controls on the Potomac River.
- Based on the foregoing, DC Water plans to submit the Potomac GI practicability assessment to EPA in July 2020.
THANK YOU

any Questions?