

AGENDA
REGULAR MEETING OF THE BOARD OF THE
ALLEGHENY COUNTY SANITARY AUTHORITY
THURSDAY, MARCH 24, 2022

- I. **Roll Call**
 - Pledge of Allegiance**

 - II. **Informational Items**
 - A. Public Comment
 - B. Advisory Committee Report – Tim Rogers
 - C. 2021 Audit Report – Maher Duessel
 - D. 2022 Capital Budget Status Report as attached **Exhibit A** – Kim Kennedy
 - E. Revised Change Order Policy – Kim Kennedy
 - F. Act 537 Special Study Public Meeting March 30, 2022
 - G. Report of actions by the Executive Director in approval of construction change orders less than \$30,000.00 and a cumulative total change order value to date of less than five percent of the original contract amount: **Exhibit B**
 - 1. No. 1 (final), under Contract 1715-E, “Temporary Hypochlorite Storage and Feed System” from Lanco Electric, for the amount of \$5,599.59. These costs are associated with changes to the valve push button stations required for integration into the ALCOSAN system. The original amount of the contract was \$118,800.00. The current value of the contract including this change order is \$124,399.59.
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- III. **Action Items**
 - A. Approval of the minutes of the Regular Board Meeting of February 24, 2022.
 - B. Consider authorizing payment of invoices in excess of \$20,100.00, processed during the Period of February 15, 2022, through March 14, 2022, and review the summary report of expenses in excess of \$10,900.00, processed during the same period as per attached **Exhibit C**
 - C. Motion to authorize the preparation of specifications and advertise for bids for the following contract: **Exhibit D**
 - 1. Contract No. 1763, “Access Shafts near A-40 and the M-49 Interceptor Junction”
 - 2. Contract No. 1764, “O-15/O-16 Access Shaft and Regulator Improvements”

- D. Motion to approve the following change orders that exceed \$30,000.00 in value or whose cumulative total value with previously approved change orders is greater than five percent of the original contract amount: **Exhibit E**
1. No. 1, under Contract 1728-E, "Return Activated Sludge (RAS) Pipe and RAS Pump Replacement," from Wellington Power Corporation, for the amount of \$40,129.06. These costs are associated with installation of temporary pump control wiring, testing and integration into the ALCOSAN system, and credits for several lines items that were not performed. The original amount of the contract was \$3,683,000.00. The current value of the contract including this change order is \$3,748,292.34.
 2. No. 1, under Contract 1739-E, "Electrical Distribution System Upgrade," from Sargent Electric Company, for the amount of \$65,428.80. These costs are for requested modifications to the 5 kV benchboard being supplied by Contractor and to increase one of the proposed substations from 1200 to 1600 amps. The original amount of the contract was \$9,490,000.00. The current value of the contract including this change order is \$9,555,428.80.
- E. Motion to modify the Grant Agreements for the Green Revitalization of Our Waterways (GROW) Program by extending the Term of the Contract. **Exhibit F**
- F. Motion to adopt Resolution No. 2022-03-01 to ratify the authorization and submission of an application for a Statewide Local Share Assessment grant of \$1,000,000.00 from the Commonwealth Financing Authority to be used for the Effluent Flushing Water Improvements Project.
- G. Motion to adopt Resolution No. 2022-03-02 to ratify the authorization and submission of an application for a Statewide Local Share Assessment grant of \$1,000,000.00 from the Commonwealth Financing Authority to be used for the CSO Bypass and Disinfection Project.
- H. Motion to adopt Resolution No. 2022-03-03 to ratify the authorization and submission of an application for a Statewide Local Share Assessment grant of \$1,000,000.00 from the Commonwealth Financing Authority to be used for the Environmental Compliance Facility.
- I. Motion to adopt Resolution 2022-03-04 revising the policy for authorizing construction contract change orders.
- J. Motion to accept the Maher Duessel Audit Report for the year ending December 31, 2021.

IV. New Business

V. Adjournment (Next Meeting: April 28, 2022)

ALCOSAN 2022 Capital Budget

STATUS REPORT

As of March 24, 2022

EXHIBIT

A

Capital Number	Project/Program Description	Current Total Estimated Costs	Total Expended thru 2021	2022 Capital Budget	2022 Expenditures to Date
Existing Plant Projects					
S408	Biosolids Strategic Plan	1,525,600	142,716	500,000	-
S423	Plant Energy Efficiency Upgrades	2,319,000	1,154,703	200,000	1,307
S464	Environmental Compliance Facility and Parking Garage	54,000,000	6,528,754	20,000,000	2,008,316
S472	Plant Facilities and Safety Upgrades (2020-2023)	3,150,000	872,675	1,775,000	51,476
S473	Energy Recovery Facility Improvements (2020-2022)	1,200,000	16,520	1,200,000	-
S481	Aeration Tank Diffusers	5,000,000	742,701	3,500,000	418,260
S487	Effluent Flushing Water System Improvements	6,600,000	-	684,000	-
Subtotal	Existing Plant Projects	73,794,600	9,458,068	27,859,000	2,479,359
Existing Interceptor System Projects					
S469	CIPP Lining of the Mon-Sub-Aqueous Inter. & SMR Inter.	20,614,500	1,534,176	13,555,000	2,173,693
S470	Flap Gate & Misc. Regulator Improvements at Various Loc.	3,122,000	494,941	1,000,000	35,838
S471	Remote Pump Station Improvements	6,076,000	568,580	4,828,000	72,683
S474	New Access Shaft Manholes Near A-40 and M-49 Crossing	4,876,000	212,321	2,000,000	25,622
S483	Conveyance Rehabilitation and Enhancements (2021-2022)	2,970,000	4,145	1,859,500	4,248
S491	Upper Saw Mill and Lower Ohio Interceptor Lining	6,616,000	-	500,000	-
Subtotal	Existing Interceptor System Projects	44,274,500	2,814,162	23,742,500	2,312,085
Municipal Source Control Projects					
S437	Ravine St Stream Removal and Sewer Separation	5,015,800	14,024	2,465,000	(4,357)
S438	Four Mile Run Regulator (M29) & Outfall Improvements	2,804,000	258,189	2,626,500	5,843
S440	Green Revitalization of Our Waterways Program	1,879,300	1,121,490	270,000	(22,550)
S447	Municipal Source Control Program	6,399,600	7,725,657	472,600	82,838
S455	Green Infrastructure Program Manager	4,996,800	4,887,126	945,000	130,931
S480	Spring Garden Grit Chamber	1,129,700	2,783	92,000	-
S484	Delafield Avenue DSI	10,724,600	135,094	1,283,000	134
Subtotal	Municipal Source Control Projects	32,949,800	14,144,363	8,154,100	192,838
Wet Weather Plant Expansion Projects					
S430	Wet Weather Plant Expansion Program	49,000,000	17,925,864	5,000,000	1,472,096
S461	North End Facilities	162,400,000	53,886,436	40,000,000	9,294,686
S462	East Headworks	118,500,000	18,810,222	40,000,000	7,731,959
S463	Solids Thickening and Dewatering Improvements	33,000,000	11,567	1,000,000	2,168
S466	CSO Bypass and Disinfection	78,600,000	2,080,665	16,500,000	486,696
S467	Primary Tanks	48,100,000	2,256	200,000	-
S468	Electrical Distribution System Upgrade	25,000,000	1,105,266	10,000,000	1,503,913
S489	Wet Weather Pump Station	152,900,000	-	20,000	-
Subtotal	Wet Weather Plant Expansion Projects	667,500,000	514,600,000	112,720,000	20,491,517
Interim Wet Weather Plan Regional Projects					
S446	Regionalization	79,520,000	27,402,385	4,750,000	160,094
S448	Interim Wet Weather Planning Compliance	22,850,000	12,752,386	1,500,000	389,619
S451	Property Acquisitions	41,029,000	7,684,130	9,000,000	101,502
S475	Tunnel Program Management	25,481,000	2,416,448	6,370,800	620,524
S477	Water Quality Monitoring Program	2,883,300	3,959	84,000	1,552
S478	Flow Targets	3,880,900	2,008	167,000	1,611
S485	Ohio River Tunnel (ORT) Final Design	28,950,000	20,901	8,000,000	461,570
S486	Allegheny River Tunnel (ART) Consolidation Sewer A72-A78	57,275,000	-	1,045,300	-
S488	Ohio River Tunnel (ORT) Construction	446,450,000	-	50,000	-
Subtotal	Interim Wet Weather Plan Regional Projects	708,319,200	50,282,217	30,967,100	1,736,471
Other Capital Improvements					
S482	Mobile Equipment (2022)	1,980,000	-	1,980,000	59,700
S000	2021 Low Cost Capital Improvements	2,419,500	-	2,419,500	128,099
Subtotal	Other Capital Improvements	4,399,500	-	4,399,500	187,799
Total 2022 Capital Program		1,531,237,600	591,298,811	207,842,200	27,400,069

Change Order Exhibit

Allegheny County Sanitary Authority

Contract No.: 1715E	Change Order Number: 1715E-CO-001
Project Name: Temporary Hypochlorite Storage and Feed System	Date Issued: 03.17.2022
Contractor: Lanco-electric	

<p>PCO: PCO - 00008 Valve Push Button Station Modifications</p> <p>Description of Change: Modifications to the Valve Station Panel were required to integrate the Asahi valve actuators to the ALCOSAN Distribution Control System (DCS). The work included redlining the Valve Push Button Panel wiring diagram to match the revised wiring in the valve actuators that had been reconfigured by the manufacturer (Asahi). Also included in the work was the installation and termination of components provided by Asahi (6 interposing DPDT Relays; one set of contacts for Pilot LED, one set for DCS) in the Valve Push Button Panel.</p> <p>Reason for Change: During Acceptance Testing of the valve actuators it was discovered that the required indication of the valve open/close position in the DCS console was not functioning. This change was made to enable the system to function as designed.</p>	<p>Value of Change: \$5,599.59</p>
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Total Add/<Deduction>:	\$5,599.59
	0 Calendar Days

Marki Johnson

 Construction Manager, Gannett Fleming, Inc.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM FEBRUARY 15, 2022 THROUGH MARCH 14, 2022

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
9Rooftops Marketing		21,601.25	Professional Services Re: Alcosan Task 1 Research & Planning, Service Authorization No. 264, for the Month of February 2022 . Invoice No. 23579 Dated March 8, 2022
AE Works	27,502.13		Professional Services Re: Laboratory/Industrial Waste Facility and Parking Garage Design, Service Authorization No. 350, for the Period of January 30 through February 26, 2022. Invoice No. ALCO-002 - 26 Dated February 26, 2022.
AECOM			
Technical Services	124,056.27		Professional Services Re: Alcosan Regionalization Analysis and Implementation, Service Authorization No. 299, for the Period of November 13 to December 21, 2021. Invoice No.53/2000581123 Dated January 12, 2022.
Arcadis	103,526.40		Professional Services Re: Wet Weather Plant Expansion, Service Authorization No. 295, for the Period Ending February 20, 2022. Invoice No. 34284686 Dated March 2, 2022.
Babst, Calland, Clements & Zomnir		39,819.95	Professional Services Re: Legal Matters for the Month of January 2022. Invoice Nos. 1514315 to 1514326 Dated February 9, 2022.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM FEBRUARY 15, 2022 THROUGH MARCH 14, 2022

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Bronder Technical	263,391.30		North End Plant Expansion-Electrical, Contract No. 1723E, Estimate No. 3.
Bronder Technical	71,442.00		Alcosan Parking Garage-Electrical, Contract No. 1735E, Estimate No. 4.
Buck Global, LLC		25,000.00	2022 Annual Hosting Fee and Employee Portal Services. Invoice No. INV-05029907 Dated March 9, 2022.
Burch Hydro, Inc.		180,459.35	Biosolids Management Services for the Month of February 2022. Invoice No. 2099 Dated February 28, 2022.
CDM Smith	181,356.61		Professional Services Re: Wet Weather Program Management and Engineering Support Services, Service Authorization No. 289, for the Period of January 16 to February 12, 2022. Invoice No. 90145702/69 Dated February, 2022.
First Student	36,875.50		Shuttle Service Provided for Employee Parking Covering the Period of January 18 to February 17, 2022 as per Contract No. 1740. Invoice No. 80501529-80501876 Dated March 1, 2022.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM FEBRUARY 15, 2022 THROUGH MARCH 14, 2022

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
G. Stephens, Inc.	50,326.42		Professional Services Re: Alcosan New Laboratory, Industrial Waste and Garage, Service Authorization No. 353, for the Month of January 2022. Invoice No. 6989 Dated March 5, 2022.
GAI Consultants		26,308.25	Professional Services Re: Alcosan Emissions Stack Testing for FBI #1 & #2, Service Authorization No. 274-2, for the Period of December 19, 2021 to January 15, 2022. Invoice No. 2171664 Dated February 9, 2022.
Gannett Fleming	22,800.55		Professional Services Re: Constructions Management Services for Contract 1725A CIPP Rehabilitation of the Lower Saw Mill Run Interceptor, Service Authorization No. 369, for the Period Ending December 31, 2021. Invoice No. 063112.01*6 Dated February 25, 2022.
GHD, Inc.	262,752.28		Professional Services Re: Alcosan CSO Bypass and Disinfection, Service Authorization No. 361, for the Period Ending January 29, 2022 Invoice No. 380-0008270 Dated February 3, 2022.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM FEBRUARY 15, 2022 THROUGH MARCH 14, 2022

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Independent Enterprises, Inc.	180,830.38		CIPP Rehabilitation of Portions of the Monongahela Subaqueous Interceptor. Contract No. 1726, Estimate No. 2.
Independent Enterprises, Inc.	277,355.38		CIPP Rehabilitation of Portions of the Monongahela Subaqueous Interceptor. Contract No. 1726, Estimate No. 3.
IPS/Electro-Mec	21,744.00		Recondition the Existing Flygt Pumps at the Montrose Pump Station. Invoice No. 377199 Dated March 3, 2022.
Jacobs Engineering	50,735.78		Professional Services Re: Green Stormwater Infrastructure and Source Controls, Service Authorization No. 302, for the Period of January 1 through January 28, 2022. Invoice No. E3X54600-054 Dated February 3, 2022.
Jacobs Engineering	204,272.33		Professional Services Re: Tunnel Program Management, Service Authorization No. 365, for the Month of January 2022. Invoice No. E3X54300-012 Dated February 23, 2022.
Keystone Acquisition Services Corp.	39,850.81		Professional Services Re: Property and Right of Way Acquisitions, Service Authorization No. 314, for the Period of January 31 to February 27, 2022. Invoice No. 24.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM FEBRUARY 15, 2022 THROUGH MARCH 14, 2022

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Kokosing	159,075.00		Electrical Distributions System Upgrades - General. Contract No. 17396, Estimate No. 2.
Kokosing	189,274.86		Temporary Primary Disinfection. Contract No. 1747, Estimate No. 2.
Mascaro Construction	1,665,106.02		North End Plant Expansion-General, Contract No. 1723-6, Estimate No. 17.
Michael Baker	267,798.93		Professional Services Re: Wet Weather Plant Expansion, Service Authorization No. 319, for the Period Ending January 30, 2022. Invoice No. 1140916 Dated February 23, 2022.
Mike Coates Construction Co.	329,714.64		Alcosan Parking Garage-General. Contract No. 17356, Estimate No. 5.
Mott MacDonald	278,500.05		Professional Services Re: Ohio River Final Tunnel Design, Service Authorization No. 373 for the Month of December 2021. Invoice No. 507448589 Dated February 28, 2022.
P. J. Dick, Inc.	1,103,499.00		East Headworks Project-General. Contract No. 17266, Estimate No. 7.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM FEBRUARY 15, 2022 THROUGH MARCH 14, 2022

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Polydyne, Inc.		49,450.00	Furnish and Deliver Polymers Per Contract No. 1692. Invoice No. 1622599 Dated March 9, 2022.
SAK Construction	563,192.64		CIPP Rehabilitation of the Lower Saw Mill Run Interceptor, Contract No. 1725A, Estimate No. 4.
Sargent Electric Co.	268,738.51		Electrical Distribution System Upgrades-Electrical. Contract No. 1739E, Estimate No. 3.
Shiloh Industrial Contractors, Inc.	150,369.30		Aeration Tank Diffuser Replacement. Contract No. 1733, Estimate No. 6.
T2 Utility Engineers		45,149.54	Professional Services Re: Alcosan Utility Locating Services, Service Authorization No. 370, for the Period Ending January 28, 2022. Invoice No. 607847 Dated February 25, 2022.
Wade Trim	20,172.98		Professional Services Re: Effluent Flushing Water System Improvements, Service Authorization No. 356, for the Month of January 2022. Invoice No. 5004543 Dated February 14, 2022.
Wellington Power	288,655.12		RAS Pump and Pipe Replacement - Electrical. Contract No. 1728E, Estimate No. 3.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM FEBRUARY 15, 2022 THROUGH MARCH 14, 2022

INVOICES FROM \$10,900.00 TO \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Barefoot Swag		18,000.00	Furnish and Deliver Promotional Products for Customer Municipalities Attending the ALOM Conference. Invoice No. AR29005226D Dated March 3, 2022.
DLZ		11,463.21	Professional Services Re: Annual Interceptor Cleaning-Chartiers Interceptor, Service Auth. No. 351 for the Period of December 11, 2021 to February 18, 2022. Invoice No. 214133 Dated February 24, 2022.
Greer Industries		12,833.04	Furnish and Deliver Pebble Lime as per Contract No. 1701. Invoice No. 643432 Dated February 23, 2022.
GEA Westfalia Separator		17,226.45	Furnish and Deliver One (1) U-Belt Pulley and Shaft. Invoice No. 25886503262 Dated February 18, 2022.
Geographical Data Management Service	11,489.31		Professional Services Re: Historical Easements and Right-of-Ways, Service Authorization No. 357 for the Period of December 20, 2021 to February 11, 2022. Invoice no. C13-101-12 Dated March 2, 2022.
Michael Baker	16,378.66		Professional Services Re: Wet Weather Plant Expansion, Service Authorization No. 319, for the Period Ending November 1, 2021. Invoice No. 1134555 Dated December 10, 2021.

UTILITY INVOICES EXCEEDING \$10,900.00 PAID DURING THE PERIOD OF FEBRUARY 15, 2022 THRU MARCH 14, 2022

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Duquesne Light Co.		437,580.46	Electrical Service, 3300 Preble Avenue, January 25 to February 23, 2022. Account No. 8737-850-000.
Peoples Natural Gas		27,322.61	Gas Service Agreement, 3285 Preble Avenue - January 31 to February 28, 2022 - Meter No. 617077.
Pittsburgh Water & Sewer Authority		54,186.17	Water Service, Treatment Plant, 3285 Preble Avenue for the Month of January 2022. Account No. 5078222-1000581.
Pittsburgh Water & Sewer Authority		33,940.43	Water Service, Treatment Plant, 3285 Preble Avenue for the Month of February 2022. Account No. 5078222-1000581.
TOTAL	7,230,783.16	1,000,340.26	

AUTHORIZATION OF CONTRACTS FOR ADVERTISEMENT

1. **Contract No. 1763, "Access Shafts near A-40 and the M-49 Interceptor Junction"**

This contract will install two new access shafts, one near the existing A-40 Regulator and one at the M-49 Interceptor junction. These access shafts will be utilized for future deep tunnel cleaning of the Allegheny River Interceptor and the Monongahela M-49 River crossing.

2. **Contract No. 1764, "O-15/O-16 Access Shaft and Regulator Improvements"**

This contract will relocate the O-15 Regulator, address capacity restrictions of the stream crossing at Lowries Run, and install a new manhole near Regulator O-16. The relocated O-15 Regulator will allow for better maintenance access to the Regulator that is currently located in the stream. The new manhole near O-16 will allow for cleaning of the Lower Ohio Interceptor that is currently inaccessible to Interceptor Operations.

Change Order Exhibit

Allegheny County Sanitary Authority

Contract No.: 1728E	Change Order Number: 1728E-CO-007
Project Name: Return Activated Sludge (RAS) Pipe and RAS Pump Replacement	Date Issued: 03.21.2022
Contractor: Wellington Power Corporation	
<p>PCO: PCO - 00019 Temporary Pump Control Wiring and Testing</p> <p>Description of Change: Installation of pump control wiring for a 4-20 mA signal from the Xylem control panels located at the RAS Pump Stations to ALCOSAN's DPU cabinet in the Electrical Substation (923 Building). The work also includes wire terminations at the DPU cabinets and control panel, loop checks for the Xylem panel, and loop testing.</p> <p>Reason for Change: The bid documents did not specify a 4-20 ma signal for monitoring through DCS. A credit change order is being processed for the Ethernet/fiber monitoring system that will not be installed. Wellington also provided labor</p>	<p>Value of Change: \$61,651.98</p>
<p>PCO: PCO - 00018 Temporary Bypass Electrical Scope Credits and Power to Additional VFD (add)</p> <p>Description of Change: Credits: This change is for a credit for the following work included in Electrical Contractor's bid but not performed:</p> <ol style="list-style-type: none"> 1. Furnishing and installing two (2) variable frequency drives (VFD). 2. Furnishing and installing one (1) Pump Control Panel. 3. Furnishing and installing one Ethernet communications line to the ALCOSAN Control Room. 4. Providing and installing one (1) Level Sensor. <p>Adds: 1. Labor and material for power feed for (2) additional VFD's for the temporary bypass pumps .</p> <p>Reason for Change: 1. Wellington Power(WPC) bid two (2) VFDs to run two existing pumps during the shutdown period per the contract. The two VFDs were provided by GC in the temporary bypass plan. A credit for the VFDs not provided by WPC is included in this change. 2. Wellington Power included a pump control panel in their bid. The pump control panel was provided by the GC with the temporary bypass system. A credit for the control panel not provided by WPC is included in this change. 3. Wellington Power included an ethernet communication system in their bid. Communication will be via 4-20 mA signal wired to the DCS. A credit for the Ethernet system not provided is included in this change. 4. Wellington Power included a level sensor in their bid. The level sensor was provided by the GC as part of the temporary bypass system. A credit for the level sensor not provided is included in this change. 5. Wellington Power bid included power to two VFDs. The GC temporary bypass plan has four (4) VFDs. This change compensates WPC for material and labor to provide power to the two additional VFD</p>	<p>Value of Change: -\$21,522.92</p>
Total Add/<Deduction>:	
\$40,129.06	
0 Calendar Days	

Brian Daugherty

Construction Manager, Michael Baker International

Change Order Exhibit

Allegheny County Sanitary Authority

Contract No.: 1739E	Change Order Number: 1739E-CO-001
Project Name: Electrical Distribution System Upgrade	Date Issued: 03.17.2022
Contractor: Sargent Electric Company	

<p>PCO: PCO - 00001 Main Pump Station Bldg 500 Benchboard</p> <p>Description of Change: Addition of the following benchboard features to coincide with Operations and Maintenance practices: 1. Key lock feature to local/remote control switches; 2. Ethernet communication modules to digital meters for local laptop access to stored data.</p> <p>Reason for Change: The contractor issued RFI No. 27 (attached) which clarified the expectation of equipment to be provided for the contract. The equipment desired imposed additional cost to the contractor that was out of their scope of work.</p>	<p>Value of Change: \$2,664.00</p>
<p>PCO: PCO - 00002 EFW Bldg 900 USS012</p> <p>Description of Change: Increase USS012 substation equipment capacity from 1200A to 1600A to accommodate new loads for the CSO bypass project. The loads were not included in the original load projections for USS012.</p> <p>Reason for Change: The USS012 substation equipment was priced per the contract requirements. Larger load demands were discovered after the project was awarded and an increased capacity will have to be provided by the gear supplied by this project. The additional cost to the contractor is borne by having to upsize this gear and all ancillary pieces and submittals associated with the change in scope.</p>	<p>Value of Change: \$62,764.80</p>

Total Add/<Deduction>:	\$65,428.80
	0 Calendar Days

Bradley Zook

Construction Manager, Michael Baker International

March 2022

**EXHIBIT
F**

Green Revitalization of Our Waterways (GROW) Grant Agreements to be amended

GROW ID #	Municipality or Municipal Authority	Project Name	Original End Date	Previously Amended End Date	Amended End Date
2017_01-020	Etna	Etna Green Streetscape Phases 2 and 3	6/30/2020	6/30/2021 12/31/2021	3/31/2022
2017_01-021	Indiana	Ottawa Hills I/I	5/30/2019	6/30/2020 6/30/2021 12/31/2021	3/31/2022
2018_01-005	Ross	Sewickley-Oakmont Road I/I Reduction	3/31/2021	9/30/2021 3/31/2022	6/30/2022
2018_01-009	Dormont	Comprehensive Sewer Rehabilitation Project	9/30/2020	9/30/2021 3/31/2022	9/30/2022
2018_01-015	Wilmerding	Herman Avenue Sewer Separation Project	3/31/2022		6/30/2022
2018_01-019	Crafton	Fountain-Sycamore Sewer Separation	6/30/2021	12/31/2021 3/31/2022	6/30/2022
2019_01-052	Wilkinsburg	Cross Connections Removal	3/31/2022		6/30/2024