

**A G E N D A**  
**REGULAR MEETING OF THE BOARD OF THE**  
**ALLEGHENY COUNTY SANITARY AUTHORITY**  
**THURSDAY, NOVEMBER 18, 2021**

- I. Roll Call
  - Pledge of Allegiance
- II. Information Items
  - A. Public Comment
  - B. 2021 Purple Shirt Campaign – Lisa George
  - C. Report on 2021 Operating costs and Revenues compared to the budget as per attached **Exhibit A** – Karen Fantoni
  - D. WWTP Expansion Cost Report as per attached: **Exhibit B**– Kim Kennedy
  - E. North End Plant Expansion Progress Update– Kim Kennedy
  - F. 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 C**
    - 1. No. 4 (Final), under Contract 1716-G, “Main Pump Station Flow Meters and Access Platform” from Kokosing Construction, for a credit in the amount of \$8,300.00. This credit is for not performing the contractually required load test of the Main Pump Station bridge crane because the bridge crane was recently serviced and inspected independently as part of the ALCOSAN bridge crane inspection. The original amount of the contract was \$2,483,000.00. The current value of the contract including this change order is \$2,575,402.00.
    - 2. No. 3 (Final), under Contract 1706, “Clay Street Sewer Separation Project” from Costa Contracting Inc. for a credit in the amount of \$42,070.58. This change order includes an addition of 324 SY of sidewalk due to utility conflicts and includes a reconciliation of final and unused contract quantities. The original amount of the contract was \$444,852.00. The current value of the contract including this change order is \$409,557.42.
- III. Action Items
  - A. Approval of the minutes of the Regular Board Meeting of October 28, 2021.
  - B. Consider authorizing payment of invoices in excess of \$20,100.00 processed during the period of October 23, 2021 to November 10, 2021 and review the summary report of expenses in excess of \$10,900.00 processed during the same period as per attached: **Exhibit D**

- C. 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. 7, under Contract 1723-G, "North End Plant Expansion," from Mascaro Construction Company, for the amount of \$1,220,072.00. These costs include establishment of a lower unit cost for permanently stockpiling excavated material onsite in lieu of hauling the excavated material offsite, as well as additional costs for modifications to the groundwater dewatering system. The original amount of the contract was \$94,124,350.00. The current value of the contract including this change order is \$103,142,297.42.
- D. Motion to approve the following Service Authorizations for Professional Consultants. Assignment is based on consultants' past efforts, knowledge and understanding of the tasks involved and the availability of the consultant's staff to perform the tasks in the time required:
  - 1. For Grant Thornton, under the agreement for Professional Consultant Services, to perform the scope of services for the JD Edwards System Upgrade for an amount not to exceed \$950,000.00.
- E. Motion to adopt Resolution No. 2021-11-01 authorizing the condemnation of property owned by Ronald J. Battaglia et al., Block and Lot No. 7-P-125, to acquire property needed to implement the Clean Water Plan.
- F. Motion to approve an open-ended bond in the form prepared by the Solicitor holding ALCOSAN bound to the Commonwealth of Pennsylvania for the damages to condemnee may be entitled under law for the condemnation of Block and Lot No. 7-P-125.

#### IV. New Business

Adjournment (Next meeting: December 9, 2021)

CURRENT EXPENSES					PERCENT OF ANNUAL BUDGET USED TO DATE
	ANNUAL APPROPRIATION	JANUARY 1, 2021 APPROPRIATIONS	THRU EXPENDITURES	OCTOBER 31, 2021 BALANCE	
INTERCEPTOR MAINTENANCE	\$12,818,000	\$10,681,667	\$4,864,462	\$5,817,205	38.0%
PLANT OPERATIONS	25,320,000	21,100,000	19,560,023	1,539,977	77.3%
ENVIRONMENTAL COMPLIANCE	5,117,900	4,264,917	3,540,320	724,597	69.2%
CUSTOMER SERVICE & BILLING	3,861,700	3,218,083	2,479,834	738,249	64.2%
MANAGEMENT INFORMATION SERVICE	3,378,700	2,815,583	2,560,755	254,828	75.8%
PLANT MAINTENANCE	10,064,600	8,387,167	7,891,988	495,179	78.4%
ADMINISTRATION AND ENGINEERING	15,009,600	12,508,000	9,708,322	2,799,678	64.7%
PROFESSIONAL	930,000	775,000	722,707	52,293	77.7%
EMPLOYEE BENEFITS	26,683,200	22,236,000	18,854,685	3,381,315	70.7%
TOTAL ALL DEPARTMENTS	\$103,183,700	\$85,986,417	\$70,183,096	\$15,803,321	68.0%
DEBT SERVICE (AMORTIZED) rev for rfd	59,895,600	\$49,913,000	\$49,913,000	\$0	
	\$163,079,300	\$135,899,417	\$120,096,096	\$15,803,321	73.6%

CURRENT REVENUES					PERCENT OF ANNUAL PROJECTION RECEIVED TO DATE
	ANNUAL PROJECTION	JANUARY 1, 2021 PROJECTIONS	THRU ACTUAL	OCTOBER 31, 2021 EXCESS	
CURRENT REVENUES	\$192,878,300	\$160,650,958	\$162,087,963	\$1,437,005	84.0%
					83.3%

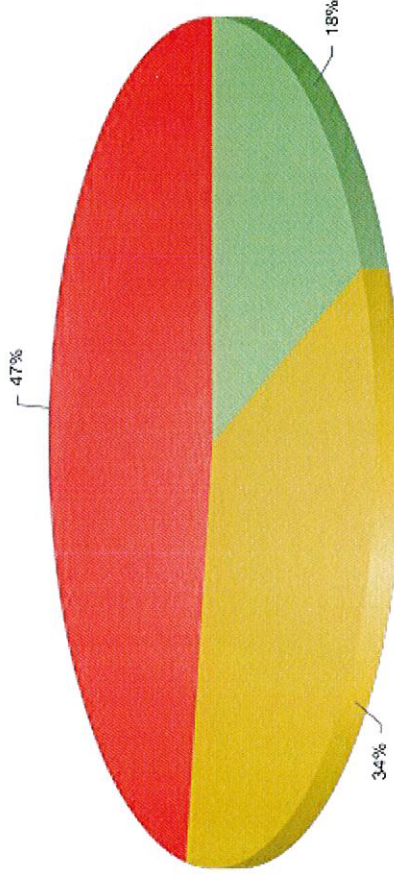


Run Date: 11/15/2021

### WWTP Expansion Project Construction Cost Summary (Board)

Name	Original Contract Award	Approved Change Orders	Current Contract Amount	Potential Change Orders	Projected Contract Value	Change Order Percent	Value of Work Completed	Percent Complete
<b>WWTP Expansion</b>								
Demolition of Old Operation and Maintenance Facility	\$160,520	\$0	\$160,520	\$0	\$160,520	0.0%	\$160,520	100.0%
Main Pumping Station Upgrade	\$22,409,500	\$201,103	\$22,610,603	\$0	\$22,610,603	0.9%	\$22,610,603	100.0%
Main Pump Station Flow Meters and Access Platform	\$2,580,500	\$110,672	\$2,691,172	-\$8,300	\$2,682,872	4.0%	\$2,682,872	100.0%
Temporary Hypochlorite Storage and Feed System	\$775,700	\$40,520	\$816,220	\$0	\$816,220	5.2%	\$806,355	98.8%
Return Activated Sludge (RAS) Pipe and RAS Pump Replacement	\$19,219,850	\$122,172	\$19,342,022	\$3,326	\$19,345,348	0.6%	\$6,737,271	34.8%
North End Facilities	\$100,293,905	\$7,823,109	\$108,117,014	\$95,901	\$108,212,915	8.0%	\$32,582,920	30.7%
East Headworks	\$87,091,915	\$0	\$87,091,915	\$0	\$87,091,915	0.0%	\$5,341,024	6.8%
Electrical Distribution System Upgrade	\$12,034,000	\$0	\$12,034,000	\$0	\$12,034,000	0.0%	\$0	0.0%
CSO Bypass and Disinfection	\$0	\$0	\$0	\$0	\$0	0.0%	\$0	0.0%
Effluent Flushing Water System Improvements Project	\$0	\$0	\$0	\$0	\$0	0.0%	\$0	0.0%
Primary Sedimentation Tanks E-4 and E-5	\$0	\$0	\$0	\$0	\$0	0.0%	\$0	0.0%
Solids Thickening and Dewatering Improvements	\$0	\$0	\$0	\$0	\$0	0.0%	\$0	0.0%
Temporary Primary Disinfection	\$0	\$0	\$0	\$0	\$0	0.0%	\$0	0.0%
<b>Grand Total:</b>	<b>\$244,565,890</b>	<b>\$8,297,576</b>	<b>\$252,863,466</b>	<b>\$90,927</b>	<b>\$252,954,393</b>	<b>3.4%</b>	<b>\$70,921,565</b>	<b>28.0%</b>

### WWTP Expansion Program Status



Value of Work Remaining on Existing Contracts
 Value of Contracts Not Awarded
 Value of Work Completed

# Change Order Exhibit

Allegheny County Sanitary Authority

<b>Contract No.:</b>	1716G	<b>Change Order Number:</b>	1716G-CO-004
<b>Project Name:</b>	Main Pump Station Flow Meters and Access Platform	<b>Date Issued:</b>	11.16.2021
<b>Contractor:</b>	Kokosing Construction		

<b>PCO:</b> PCO - 00010 Bridge Crane Return to Service Load Test Waiver	<b>Value of Change:</b> -\$8,300.00
<b>Description of Change:</b> Contractor shall not perform the contractually required load test of the bridge crane in the Main Pump Station.	
<b>Reason for Change:</b> The value of this contract credit will be used to make necessary repairs to the bridge crane for future usage.	

<b>Total Add/&lt;Deduction&gt;:</b>	-\$8,300.00
	0 Calendar Days

*Bradley Zook*

Construction Manager, Michael Baker International

# Change Order Exhibit

Allegheny County Sanitary Authority

<b>Contract No.:</b>	1706	<b>Change Order Number:</b>	1706-CO-003
<b>Project Name:</b>	Clay Street Sewer Separation Project	<b>Date Issued:</b>	11.05.2021
<b>Contractor:</b>	Costa Contracting Inc.		

<b>PCO:</b> PCO - 00007 PCO-007 Class 1B Excavation in prep of sidewalk  <b>Description of Change:</b> Class 1B Excavation in preparation of the placement of concrete sidewalk  <b>Purpose for Change:</b> Additional 1B excavation was needed to remove sidewalk and curb not included in the original contract scope of work.  <b>Reason for Change:</b> The sidewalk on the north side of Clay St was damaged during the excavation for the installation of the new storm sewer. A total 323.6 CY additional 1B Excavation was needed to complete this work.	<b>Value of Change:</b> \$1,941.60
<b>PCO:</b> PCO - 00006 PCO-006 Concrete Sidewalk Placement between 6th St & 8th St  <b>Description of Change:</b> Concrete sidewalk placement along the north side of Clay St between 6th St. & 8th St  <b>Purpose for Change:</b> Additional out of original scope of work for the sidewalk replacement  <b>Reason for Change:</b> Due to the close proximity of the excavation for the installation of the new storm sewer, the sidewalk on the the north side of Clay St was damaged and needed to be replaced, A total of 77.56 CY	<b>Value of Change:</b> \$74,457.60
<b>PCO:</b> PCO - 00009 PCO-009 Contract Under Runs  <b>Description of Change:</b> Contract final quantity over runs and under runs  <b>Purpose for Change:</b> Difference in original contract quantities from the final contract quantities will be determined.  <b>Reason for Change:</b> Not all original contract quantities were used,	<b>Value of Change:</b> -\$118,469.78

**Total Add/<Deduction>:**

-\$42,070.58

0 Calendar Days

*Kevin Brannon*

**MINUTES  
REGULAR MEETING OF THE BOARD OF THE  
ALLEGHENY COUNTY SANITARY AUTHORITY  
THURSDAY, OCTOBER 28, 2021**

The meeting was called to order at 4:30 p.m. in the office of the Authority, 3300 Preble Avenue, Pittsburgh, Pennsylvania. Those participating were Board Members Dr. Shannah Tharp-Gilliam, Ms. Sylvia Wilson, Representative Emily Kinkead Messrs. Corey O'Connor, Harry Readshaw. Absent from the meeting, Mr. Jack Shea and Mr. John Weinstein. Also participating were Ms. Arletta Williams, Ms. Kimberly Kennedy, Ms. Julie Motley-Williams, Ms. Karen Fantoni, Ms. Suzanne Thomas, Ms. Michelle Buys, Messrs. Michael Lichte, Douglas Jackson, Joseph Vallarian (Authority staff) and Max Junker (Babst Calland)

Everyone stood for the Pledge of Allegiance.

No Public Comments for this meeting

Ms. Sylvia Wilson recognized and welcomed our newest Board member, Representative Emily Kinkead.

Mr. Harry Readshaw made a motion to move and consider all Action Items first. Mr. Corey O'Connor seconded the motion.

Ms. Sylvia Wilson stated there was an Executive Session before the start of this meeting.

Upon motion of Mr. Harry Readshaw, and seconded by Mr. Corey O'Connor, the Board approved the Board Minutes.

Representative Emily Kinkead stated that she would be abstaining from all voting today.

Upon motion of Mr. Corey O'Connor, and seconded by Dr. Shannah Tharp-Gilliam, the board approved the invoices in excess of \$20,100.00, processed during the period of September 14, 2021 to October 22, 2021.

Upon motion of Mr. Harry Readshaw, and seconded by Mr. Corey O'Connor, the Board awarded the following contract:

1. Contract No. 1754 "Furnish and Deliver Lime," to Greer Lime Company, at the price of \$174.22/ton.

Upon motion of Mr. Harry Readshaw, and seconded by Mr. Corey O'Connor, the Board awarded the following contract:

2. Contract No. 1755 "Furnish and Deliver Caustic Soda (Diaphragm Grade)," to Univar Solutions USA, Inc., at the price of \$0.2307/lb.

Upon motion of Mr. Harry Readshaw, and seconded by Dr. Shannah Tharp-Gilliam authorized the preparation of specifications and advertisement for bids for the following contracts.

1. Contract No. 1756, "2022 Shallow Cut Interceptor Inspection"
2. Contract No. 1757, "Furnish and Deliver Sodium Hypochlorite"
3. Contract No. 1758, "Furnish and Deliver Caustic Soda for Demineralization Unit Regeneration"

***The items denoted with an asterisk (\*) were reviewed by the Professional Services Committee at a publicly advertised meeting on October 28, 2021. The Committee unanimously approved and recommended that these items be submitted to the Board.***

\*Upon motion of Mr. Harry Readshaw, seconded by Dr. Shannah Tharp-Gilliam, the Board approved the following Service Authorizations for Professional Consultants. Assignment is based on consultants' past efforts, knowledge and understanding of the tasks involved and the availability of the consultant's staff to perform the tasks in the time required:

1. For Mott MacDonald, under the agreement for Engineering Consultant Services, for an amount not to exceed \$22,036,266.00, to perform the scope of services under Capital Project S-485, "Ohio River Tunnel Final Design".

\*Upon motion of Dr. Shannah Tharp-Gilliam, seconded by Mr. Corey O'Connor, the Board approved modification of Service Authorization 324 for Quad 3 to provide Services During Construction for the Electrical Distribution Upgrades project for an amount not to exceed \$190,550.00.

\*Upon motion of Mr. Harry Readshaw, seconded by Mr. Corey O'Connor, the Board approved modification of Service Authorization 350 for AEWorks Ltd., for additional work associated with the design phase of the Environmental Compliance Facility for an amount not to exceed \$72,781.00.

\*Upon motion of Mr. Harry Readshaw, seconded by Dr. Shannah Tharp-Gilliam, the Board approved modification of Services Authorization 351 for DLZ for additional work associated with the Construction Management Services for Contract 1711, "Annual Interceptor Cleaning" for an amount not to exceed \$42,966.22.

\*Upon motion of Dr. Shannah Tharp-Gilliam, seconded by Mr. Corey O'Connor, the Board approved modification of Services Authorization Motion for modification of Service Authorization 274 for GAI Consultants, under the agreement for Engineering Consultant Services, for an amount not to exceed \$90,000.00.

\*Upon motion of Dr. Shannah Tharp-Gilliam, seconded by Mr. Harry Readshaw, the Board adopted Resolution No. 2021-10-01 authorizing the Executive Director to execute a wastewater sampling agreement with the Allegheny County Health Department to utilize grant funding to protect the public health by tracking the presence of the COVID-19 virus in wastewater to anticipate and prepare for a case surge in Allegheny County.

Before voting on the adoption of Resolution No. 2021-10-01, Representative Kinhead asked what type of COVID we were testing for and if it is the active virus? Dr. Shannah Tharp-Gilliam also asked the same question. Ms. Arletta Williams, replied, we are not testing for the active virus.

\*Upon motion of Mr. Harry Readshaw, seconded by Mr. Corey O'Connor, the Board adopted Resolution 2021-10-02 establishing new rates effective January 1, 2022.

Ms. Sylvia Wilson introduced our new Director of Administration at ALCOSAN, Ms. Julie Motley-Williams.



Ms. Julie Motley-Williams introduced herself to the Board and supplied information on her new position and the departments that she will be managing HR, Safety and Security. Ms. Motley-Williams shared some of her professional background and accomplishments before coming to ALCOSAN. Ms. Motley-Williams expressed her excitement about her new role, working with the Authority and the future of ALCOSAN. At the close of the introduction, Ms. Motley-Williams spoke about her responsibilities outside of the office, which includes Church Administration duties and completing Seminary.

Ms. Karen Fantoni, Director of the Finance and Administration, provided the Financial Report through the end of September 30, 2021. As of this point, 66% spent on our expenses, 74% collected on our revenue. We continue to operate in a fiscally sound manner

Ms. Kimberly Kennedy, Director of Engineering and Construction, provided an update on the 2021 Capital Budget Status through October 28th, as of the last status report in July, we have spent almost \$30,000,000.00. We have moved into construction with 5 active construction projects, on the plant expansion. ALCOSAN, has spent over \$55,000,000.00, for the year and will continue to spend, at this rate for the foreseeable future.

The next Board of Directors Meeting will be held on November 18, 2021.

There being no further business, the meeting adjourned at approximately 5:00 p.m.

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
3 Rivers Wet Weather		68,376.58	Professional Services Re: Provide Support Services for Regional Wet Weather Planning Compliance, Service Authorization No. 318, for the Month of October 2021. Invoice No. 10222021 Dated October 25, 2021.
Arcadis	98,838.10		Professional Services Re: Wet Weather Plant Expansion, Service Authorization No. 295, for the Period Ending October 10, 2021. Invoice No. 34262473 Dated October 27, 2021.
Burch Hydro, Inc.		102,302.06	Biosolids Management Services for the Month of October 2021. Invoice No. 2056 Dated October 31, 2021.
CDM Smith	168,356.58		Professional Services Re: Wet Weather Program Management and Engineering Support Services, Service Authorization No. 289, for the Period of September 19 through October 16, 2021. Invoice No. 90137221/65 Dated October 28, 2021.
Emerson Power & Water Solutions	87,166.00		Final Payment (10%) for Upgrades to the RAS Stations Distributed Control System. Invoice No. 9089560 Dated October 20, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM OCTOBER 23, 2021 THROUGH NOVEMBER 10, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
G. Stephens, Inc.	59,563.00		Professional Services Re: Alcosan New Laboratory, Industrial Waste and Garage, Service Authorization No. 353, for the Month of September 2021. Invoice No. 6890 Dated October 25, 2021.
Hatch Associates	135,517.27		Professional Services Re: New Access Shaft Manhole Near A-40 and M-49 Project, Service Authorization No. 358, for the Period of June 26 to August 27, 2021. Invoice No. 90796281 Dated September 3, 2021.
HDR Engineering	54,031.82		Professional Services Re: North End Facilities New Outfall and Disinfection Facility and New Secondary Clarifiers, Service Authorization No. 322, for the Period of August 29 to September 25, 2021. Invoice No. 1200380875/28 Dated October 8, 2021.
Jacobs Engineering	308,547.84		Professional Services Re: Tunnel Program Management, Service Authorization No. 365, for the Period of August 28 through September 24, 2021. Invoice No. E3X54300-008 Dated October 21, 2021.
Komline-Sanderson		23,158.46	Furnish and Deliver Parts for Pump Maintenance in the Dewatering Building. Invoice No. 42051554 Dated November 3, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM OCTOBER 23, 2021 THROUGH NOVEMBER 10, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Mascaro Construction	1,840,313.47		North End Plant Expansion-General, Contract No. 1723-6, Estimate No. 13.
Michael Baker	219,271.48		Professional Services Re: Wet Weather Plant Expansion, Service Authorization No. 319, for the Period Ending October 3, 2021. Invoice No. 1130706 Dated October 28, 2021.
Mike Coates Construction Co.	1,128,761.63		Alcosan Parking Garage-General. Contract No. 17356, Estimate No. 1.
P. J. Dick, Inc.	1,450,213.20		East Headworks Project-General, Contract No. 17296, Estimate No. 2.
P. J. Dick, Inc.	1,614,438.00		East Headworks Project-General, Contract No. 17296, Estimate No. 3.
Perkin Elmer	59,360.20		Furnish and Install One (1) Clarus 680 Gas Chromatograph With Programmed Pneumatic Control for the Laboratory. Invoice No. 5304799418 Dated September 9, 2021.
Polydyne, Inc.		49,450.00	Furnish and Deliver Polymers Per Contract No. 1692. Invoice No. 1585127 Dated October 15, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM OCTOBER 23, 2021 THROUGH NOVEMBER 10, 2021

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. 1588171 Dated October 27, 2021.
Trumbull Industries		21,700.00	Furnish and Deliver One (1) 36" Double Eccentric Butterfly Valve as per Costars Contract No. 016-155. Invoice No. 09052267 Dated October 7, 2021.
Wade Trim	29,398.43		Professional Services Re: Effluent Flushing Water System Improvements, Service Authorization No. 356, for the Month of September 2021. Invoice No. 5004194 Dated October 15, 2021.
Wellington Power	1,478,278.34		RAS Pump and Pipe Replacement - Electrical. Contract No. 1728E, Estimate No. 1.
Whitman, Requardt & Associates	38,664.32		Professional Services Re: Alcosan New East Headworks Facility, Service Authorization No. 329, for the Period of August 29 through September 25, 2021. Invoice No. 29-14430.000 Dated October 22, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM OCTOBER 23, 2021 THROUGH NOVEMBER 10, 2021

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

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Cowden Associates		11,725.00	Professional Services Re: Bargaining and Management Pension Plans for the Month of October 2021. Invoice No. 21-ACSA-00934 Dated November 2, 2021.
GHD, Inc.	16,519.55		Professional Services Re: ERF Facility Improvements, Service Authorization No. 308-02, for the Period Ending September 25, 2021. Invoice No. 380-0003614 Dated October 21, 2021.
Integrated Power Services		14,172.00	Electrical and Mechanical Inspection/Repairs to Motor Shaft. Invoice No. 372991 Dated October 26, 2021.
Roth Pump Company		17,884.41	Furnish and Deliver One (1) Roth 2250 Condensate Pump. Invoice No. 47352 Dated October 19, 2021.

UTILITY INVOICES EXCEEDING \$10,900.00 PAID DURING THE PERIOD OF OCTOBER 23, 2021 THRU NOVEMBER 10, 2021

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Duquesne Light Co.		467,086.17	Electrical Service, 3300 Preble Avenue, September 23 to October 23, 2021 Account No. 8737-850-000.
Peoples Natural Gas		19,360.97	Gas Service Agreement, 3285 Preble Avenue - September 30 to October 29, 2021 - Meter No. 617077.
TOTAL	8,787,239.23	844,665.65	

# Change Order Exhibit

Allegheny County Sanitary Authority

<b>Contract No.:</b> 1723G	<b>Change Order Number:</b> 1723G-CO-007
<b>Project Name:</b> North End Facilities	<b>Date Issued:</b> 11.17.2021
<b>Contractor:</b> Mascaro Construction Company, LP	

<p><b>PCO:</b> PCO - 00027 Initial Excavation Material Onsite Permanent Stockpile Area</p> <p><b>Description of Change:</b> Excavation and hauling of soil designated as Initial Excavation Material down to elevation 716' to be stockpiled at the north end of the site as identified and noted in FI-025. This material is being retained on site and permanently stockpiled to mitigate the costs included in PCO-010 that became part of CO-04. The cost for excavating, hauling and stockpiling this material will be paid at an agreed upon unit cost of \$8.32/CY with a current estimated quantity of approximately 7,100CY. After the material has been stockpiled to a height that can be safely achieved, the Contractor shall perform a topographic survey and submit data to determine the volume of material placed. The Contractor shall install E&amp;S controls that include a 12" filter sock as shown on attachment CFS Plan that was included in FI-025, seed and straw stabilization of the stockpiled material and any necessary clearing and grubbing as directed. Survey work, 12" filter sock, clearing and grubbing and seeding and straw stabilization to be tracked and paid for under Force Account Work and included as part of this PCO.</p> <p><b>Budget Information:</b> \$8.32/CY x 7,100CY = \$59,072.00 estimated \$10,000.00 estimated budget for force account work. This PCO is being issued with a budget amount of \$70,000.00 with a final payable amount based on actuals.</p> <p><b>Reason for Change:</b> To reduce the quantity of Initial Excavation Material down to elevation 716' that needs to be hauled off site.</p>	<p><b>Value of Change:</b> \$70,072.00</p>
<p><b>PCO:</b> PCO - 00028 Groundwater Management Dewatering System Modifications</p> <p><b>Description of Change:</b> This work includes upsizing of the Groundwater discharge piping from 12" HDPE pipe (original base bid size) to 18" HDPE pipe including 18" valves in order to control and direct flow. Additional costs include the installation of 800-ft of overland discharge piping to discharge Groundwater into manhole discharge locations nearest EFS-8, WFS-6 and the drop shaft manhole behind the EFW Secondary Chlorination Building shown on the attachments provided with FI-24. This PCO includes all costs associated with this work as noted in the routing plan submitted in SDS-861 including installation, relocation, sedimentation control, maintaining all dewatering systems and removal of the system when no longer necessary. The costs for this PCO are being paid for as a Lump Sum item not to exceed \$1,241,491.00.</p> <p><b>Reason for Change:</b> Initial Groundwater samples tested above levels considered acceptable to discharge into the Ohio River.</p>	<p><b>Value of Change:</b> \$1,150,000.00</p>

Total Add/&lt;Deduction&gt;:

\$1,220,072.00

0 Calendar Days

*John DeSantis*

Construction Manager, G. Stephens, Inc.