

**A G E N D A**  
**REGULAR MEETING OF THE BOARD OF THE**  
**ALLEGHENY COUNTY SANITARY AUTHORITY**  
**THURSDAY, SEPTEMBER 23, 2021**

- I. Roll Call
  - Pledge of Allegiance
- II. Information Items
  - A. Public Comment
  - B. Open House Update— Joseph Vallarian
  - C. Report on 2021 Operating Costs and Revenues compared to the budget as per attached: Exhibit A – Karen Fantoni
  - D. WWTP Expansion Cost Report –Exhibit B - Kim Kennedy
  - E. 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. 01 (Final), under Contract 1714, “Roof Modifications for Screenings Garage and Power Generations Building” from Burns & Scalo Roofing Company, Inc., for a credit in the amount of \$8,550.71. This overall credit is associated reconciling unused unit price items during project close-out. The original amount of the contract was \$366,264.00. The current value of the contract including this change order is \$3357,713.29.
    - 2. No. 1, under Contract 1728-H, “Return Activated Sludge (RAS) Pipe and Pump Replacement,” from Guy’s Mechanical Systems, for the amount of \$8,500.00. These costs are associated with an Owner preference in heat pump vendor. The original amount of the contract was \$1,128,000.00. The current value of the contract including this change order is \$1,136,500.00.
- III. Action Items
  - A. Approval of the minutes of the Regular Board Meeting of August 2, 2021.
  - B. Consider authorizing payment of invoices in excess of \$20,100.00 processed during the period of July 13, 2021 to September 13, 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 award the following contract:
    - 1. Contract No. 1726 “CIPP Rehabilitation of Portions of the Monongahela Subaqueous Interceptor,” to Independent Enterprises at the price of \$9,347,085.00. Bids received are indicated on Exhibit E
    - 2. Contract No. 1745, “Uniform Rental Services,” to Unifirst Corporation at the prices listed on the bid tabulation. Bids received are indicated on Exhibit F

3. Contract No. 1747 "Temporary Primary Disinfection," to Kokosing Construction Company, Inc. at the price of \$502,000.00. Bids received are indicated on **Exhibit G**
  4. Contract No. 1748 "Furnish and Deliver Incinerator Bed Sand," to Christy Minerals, LLC at the price of \$605.00/per ton. Bids received are indicated on **Exhibit H**
  5. Contract No. 1749 "Primary Tanks Concrete Decking Resealing and Repairs," to Nathan Contracting at the price of \$114,888.00. Bids received are indicated on **Exhibit I**
- D. Motion to authorize the preparation of specifications and advertisements for bids for the following contracts: **Exhibit J**
1. Contract No. 1750A, "Work Barge Dry Dock, Inspection and Repair"
  2. Contract No. 1753, "Effluent Flushing Water (EFW) System Improvements"
  3. Contract No. 1754, "Furnish and Deliver Lime"
  4. Contract No. 1755, "Furnish and Deliver Caustic Soda—Diaphragm Grade"
- E. 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 K**
1. No. 4 (Final), under Contract 1715-G, "Temporary Hypochlorite Storage and Feed System," from Kokosing Construction, for the amount of \$5,300.00. These costs are for the repair of cracks in the containment wall and floor slab. The original amount of the contract was \$656,900.00. The current value of the contract including this change order is \$662,200.00.
  2. No. 3, under Contract 1716-G, "Main Pump Station Flow Meters and Access Platform," from Kokosing Construction, for the amount of \$77,621. These costs are due to repairing a water leak, modifying the new access platform to accommodate unforeseen obstructions, and for additional painting. The original amount of the contract was \$2,483,000.00. The current value of the contract including this change order is \$2,560,621.00.
  3. No. 4, under Contract 1717, "O&M Building Façade Repairs," from Caliber Contracting, for the amount of \$71,050.60. These costs are associated with an insurance claim for repairs that resulted from a dropped scaffold plank. ALCOSAN has been reimbursed this amount directly from the contractor's insurance company; this change order is a formality to allocate those funds into the contract appropriately. The original amount of the contract was \$389,704.00. The current value of the contract including this change order is \$460,755.00.
  4. No. 6, under Contract 1723-G, "North End Plant Expansion," from Mascaro Construction, for the amount of \$94,100.00. These costs are associated with stockpiling excavated soil while awaiting testing results, procurement of additional groundwater samples directed by ALCOSAN, costs for site pad pre-cut excavation and a credit for damage to an ALCOSAN handrail. The original amount of the contract was \$94,124,350.00. The current value of the contract including this change order is \$94,218,450.00.
  5. No. 3, under Contract 1728-G, "Return Activated Sludge (RAS) Pipe and Pump Replacement," from Kokosing Construction, for the amount of \$43,899.36. These costs are due to overtime work directed by ALCOSAN, a required control panel modification and additional scope to work within the aeration basins. The original amount of the contract was \$14,166,850.00. The current value of the contract including this change order is \$14,210,749.36.

- F. 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 Hatch, under the agreement as Retained Engineer, for an amount not to exceed \$93,412.52 to perform the scope of services associated with the A-42 Soil Borings.
  - 2. For GHD, under the On-Call Support Services for the Energy Recovery Facilities agreement, for an amount not to exceed \$26,984.96 to perform the scope of services for Sewage Sludge Incineration (SSI) Emissions Support.
- G. Motion for modification of Service Authorization 354 for ms Consultants, under the agreement for the Homestead Transforming 12th Ave Project, to revise the Scheduled Completion Date from June 30, 2021 to December 31, 2022
- H. Motion to award Engineering Services for the Ohio River Tunnel Final Design Project S-485 to Mott MacDonald and authorize the Executive Director to negotiate a fee.
- I. Motion to approve municipal source control projects for Cycle 6 under the Green Revitalization of Our Waterways (GROW) Program and provide successful applicants with a Grant Agreement. **Exhibit L**
- J. Motion to modify the Grant Agreements for the Green Revitalization of Our Waterways (GROW) Program by extending the Term of the Contract. **Exhibit M**
- K. Motion to authorize the Executive Director to enter into a Project Cooperation and Funding Agreement with the Borough of Homestead for the "Homestead Transforming 12<sup>th</sup> Avenue Project".
- L. Motion to adopt Resolution No. 2021-9-1, authorizing the Executive Director to execute the agreement with the Municipality of Monroeville for the assessment of a Capital Fee for the revision of the ALCOSAN Service Area.

IV. New Business

Adjournment (Next meeting: October 28, 2021)

	CURRENT EXPENSES				PERCENT OF	
	ANNUAL APPROPRIATION	JANUARY 1, 2021 APPROPRIATIONS	THRU EXPENDITURES	AUGUST 31, 2021 BALANCE	ANNUAL BUDGET USED TO DATE	
INTERCEPTOR MAINTENANCE	\$12,818,000	\$8,545,333	\$3,862,774	\$4,682,559	30.1%	
PLANT OPERATIONS	25,320,000	16,880,000	15,681,083	1,298,917	61.5%	
ENVIRONMENTAL COMPLIANCE	5,117,900	3,411,933	2,730,136	681,797	53.3%	
CUSTOMER SERVICE & BILLING	3,861,700	2,574,467	2,164,526	409,941	56.1%	
MANAGEMENT INFORMATION SERVICE	3,378,700	2,252,467	2,140,874	111,593	63.4%	
PLANT MAINTENANCE	10,064,600	6,709,733	6,205,525	504,208	61.7%	
ADMINISTRATION AND ENGINEERING	15,009,600	10,006,400	7,759,370	2,247,030	51.7%	
PROFESSIONAL	930,000	620,000	588,449	31,551	63.3%	
EMPLOYEE BENEFITS	26,683,200	17,788,800	15,252,939	2,535,861	57.2%	
TOTAL ALL DEPARTMENTS	\$103,183,700	\$68,789,133	\$56,285,676	\$12,503,457	54.5%	
DEBT SERVICE (AMORTIZED) rev for rfnd	59,895,600	\$39,930,400	\$39,930,400	\$0		
	\$163,079,300	\$108,719,533	\$96,216,076	\$12,503,457	59.0%	

CURRENT REVENUES					PERCENT OF	
	ANNUAL PROJECTION	JANUARY 1, 2021 PROJECTIONS	THRU ACTUAL	AUGUST 31, 2021 EXCESS	ANNUAL PROJECTION RECEIVED TO DATE	
CURRENT REVENUES	\$192,878,300	\$128,423,616	\$124,808,032	-\$3,615,584	64.7%	
					66.7%	PERCENT OF YEAR EXPIRED



Run Date: 09/21/2021

## 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%
Temporary Hypochlorite Storage and Feed System	\$775,700	\$35,220	\$810,920	\$5,300	\$816,220	5.2%	\$806,355	99.4%
Main Pump Station Flow Meters and Access Platform	\$2,580,500	\$33,051	\$2,613,551	\$77,621	\$2,691,172	4.3%	\$2,443,851	93.5%
North End Facilities	\$100,293,905	\$7,729,009	\$108,022,914	\$0	\$108,022,914	7.7%	\$26,524,005	25.0%
Return Activated Sludge (RAS) Pipe and RAS Pump Replacement	\$19,219,850	\$69,772	\$19,289,622	\$63,897	\$19,353,520	0.6%	\$3,231,153	16.8%
East Headworks	\$87,091,915	\$0	\$87,091,915	\$0	\$87,091,915	0.0%	\$1,935,856	2.5%
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%
Electrical Distribution System Upgrade	\$12,034,000	\$0	\$12,034,000	\$0	\$12,034,000	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%
<b>Grand Total:</b>	<b>\$244,565,890</b>	<b>\$8,068,156</b>	<b>\$252,634,045</b>	<b>\$146,818</b>	<b>\$252,780,862</b>	<b>3.4%</b>	<b>\$57,712,343</b>	<b>22.9%</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 Sanitation

**Contract No.:** 1714  
**Project Name:** Roof Modifications for Screenings Garage  
 and Power Generation Building  
**Contractor:** Burns and Scalo Roofing, Inc.

**Change Order Number:** 1714-CO-001  
**Date Issued:** 09.13.2021

<p><b>PCO-001 (Add-ons):</b> Fascia reinforcement; Replace corroded metal deck; Install metal battens</p> <p><b>Description of Change:</b></p> <ol style="list-style-type: none"> <li>Repairs to Dewatering Building fascia: Additional sheet metal screws were required to secure 625 linear feet of existing fascia around the perimeter of the Dewatering Building roof. <u>Add: \$1,574.76</u></li> <li>Additional 140 SF of metal deck on Power Generation Bldg., Roof #6: Replace corroded metal roof deck, and screw in place 140 SF of new 22-gauge metal deck. <u>Add: \$1,555.00</u></li> <li>Installation of 6 metal battens on Power Generation Bldg., Roof #5: Install metal battens on six (6) vertical seams on existing metal parapet wall. <u>Add: \$1,119.51</u></li> </ol> <p><b>Purpose for Change:</b></p> <ol style="list-style-type: none"> <li>The reattachment of the fascia will maintain the existing roof life expectancy.</li> <li>The roof deck replacement is required to maintain the new TPO membrane warranty.</li> <li>These battens are needed to maintain the termination bar and TPO membrane warranty.</li> </ol> <p><b>Reason for Change:</b></p> <ol style="list-style-type: none"> <li>The existing loose fascia was not noticeable until after further site investigation.</li> <li>The existing Roof #6 rusted deck was not visible until the membrane and insulation of the existing roof was removed.</li> <li>The existing Roof #6 narrow toe space distance under the metal panel parapet did not become apparent until the new roof components were being installed.</li> </ol>	<p><b>Value of Change:</b>  <b>\$3,849.27</b></p>
<p><b>PCO-002 (Credits):</b> Contract Close-out and Reconciliation of Unused Quantities and Unit Price Work</p> <p><b>Description of Change:</b></p> <ol style="list-style-type: none"> <li>Item 8.2.2-Screenings Garage, 500 SF deck replacement: Credit for un-used replacement of corroded metal ribbed deck. <u>Credit: (\$4,125.00)</u></li> <li>Item 8.2.3-Power Generation Bldg, 100 SF of 18-gauge metal deck: Credit for un-used replacement of 18-gauge corroded metal deck on Roof #6. <u>Credit: (\$ 910.00)</u></li> <li>Item 8.2.4-Power Generation Bldg., 100 SF of 20-gauge metal deck: Credit for un-used replacement of 20-gauge corroded metal deck on Roof #6. <u>Credit: (\$ 825.00)</u></li> <li>Item 8.1.2-Power Generation Bldg., Roof #9, TPO membrane: Credit for caulking existing termination bars in-leu of TPO installation. <u>Credit: (\$4,122.98)</u></li> <li>Item 8.1-Lump Sum Work, General Conditions: Credit for non-submission of project building permit <u>Credit: (\$2,417.00)</u></li> <li>Item 8.1-Lump sum work, General Conditions – Allowance: Credit for unused allowance/contingency. <u>Credit: (\$6,750.00)</u></li> </ol>	<p><b>Value of Change:</b>  <b>(\$19,149.98)</b></p>



# Change Order Exhibit

Allegheny County Sanitary Authority

## Purpose for Change:

1. Screenings Garage (Roof #2): This credit was a bid Unit Price for metal deck replacement on the Screenings Garage and was not required or needed.
2. Power Generation Building (Roof #6): This credit was a bid Unit Price for 18-gauge metal deck replacement on Roof #6 and was not required or needed.
3. Power Generation Building (Roof #6): This credit was a bid Unit Price for 20-gauge metal deck replacement on Roof #6 and was not required or needed.
4. Power Generation Building (Roof #9): Re-caulking of existing termination bars for Roof #9 was employed in-lieu of attempting removal of termination bars and EPDM membrane that would cause more expensive damage to existing glazed bricks on parapet wall.
5. Building Permit: After repeated attempts by the contractor to obtain a permit, the contractor submitted a credit for this project.
6. General Conditions: contractor submitted a credit to Item 8.1, Lump Sum work for unused allowance /contingency related to add-ons and credits for this project.

## Reason for Change:

1. Screenings Garage (Roof #2): Field conditions determined replacement of existing metal deck was not required, resulting in a credit to Item 8.2.2 of Unit Price Work.
2. Power Generation Building (Roof #6): Field conditions determined replacement of 18-gauge metal deck was not required, resulting in a credit to Item 8.2.3 of Unit Price Work.
3. Power Generation Building (Roof #6): Field conditions determined replacement of 20-gauge metal deck was not required, resulting in a credit per Item 8.2.4 of Unit Price Work.
4. Power Generation Building (Roof #9): Upon further site examination of the field conditions, the existing termination bars and the existing EPDM were found to be in good condition, so replacement with TPO was not required - only re-caulking of termination bars was performed.
5. Item 8.1, Lump Sum Work, General Conditions, credit for non-submission of project building permit.
6. Item 8.1, Lump Sum work, General Conditions, credit for unused allowance/contingency not previously accounted for in PCO-001 (add-ons) and PCO-002 (credits, items 1-5).

**Total Add/(Deduction):**

**(\$15,300.71)**

**0 Calendar Days**

*Elizabeth A. Joyce* / Proj. Mgr. / Proj. Engr.  
Construction Manager, ALCOSAN

# Change Order Exhibit

Allegheny County Sanitary Authority

<b>Contract No.:</b>	1728H	<b>Change Order Number:</b>	1728H-CO-001
<b>Project Name:</b>	Return Activated Sludge (RAS) Pipe and RAS Pump Replacement	<b>Date Issued:</b>	09.20.2021
<b>Contractor:</b>	Guy's Mechanical Systems, Inc.		

<b>PCO:</b> PCO - 00013 Mitsubishi to Samsung	<b>Value of Change:</b> \$8,500.00
<b>Description of Change:</b> Provide the Owner preferred Samsung Heat Pump System instead of the Mitsubishi units used in the contractors bid.	
<b>Purpose for Change:</b> The contractor based his bid on Specification Section 23 81 29 which listed Mitsubishi heat pumps. The owner prefers Samsung heat pumps.	
<b>Reason for Change:</b> This change is to compensate the Contractor for difference in the cost of the units provided (Samsung) and the units in used in the preparation and submission of he bid (Mitsubishi).	

<b>Total Add/&lt;Deduction&gt;:</b>	\$8,500.00
	0 Calendar Days

*Paul Pennington*

Construction Manager, Gannett Fleming, Inc.



**MINUTES**  
**REGULAR MEETING OF THE BOARD OF THE**  
**ALLEGHENY COUNTY SANITARY AUTHORITY**  
**MONDAY, AUGUST 2, 2021**

The meeting was called to order at 11:30 a.m. in the office of the Authority, 3300 Preble Avenue, Pittsburgh, Pennsylvania. Those participating were Board Members Mr. Corey O'Connor, Mr. Harry Readshaw, Ms. Sylvia Wilson, and Mr. John Weinstein. Mr. Jack Shea and Dr. Shannah Tharp-Gilliam, were not present for this meeting. Also participating were Mr. Max Junker (Babst Calland), Ms. Williams, Ms. Kennedy, Ms. Fantoni, Ms. Thomas, Ms. Buys, Mr. Lichte, and Messrs. Jackson and Vallarian (Authority staff).

Everyone stood for the Pledge of Allegiance.

No Public Comments for this meeting

An Executive Session was held at 10:00am.

The 2021 ONYX Women of Leadership Organization honored two of our very own: Kimberly Slater-Woods and Tene Croom. Both women were recognized and given awards for Leadership. The ONYX Women of Leadership Organization networks, uplifts, and motivates African American women.

Ms. Karen Fantoni, Director of the Finance and Administration, provided an update on the Financial Report with results through the first six months of the year, 50% of the year is already expended. Ms. Fantoni shared we have spent 44%, of our operating budget through June 30<sup>th</sup>. We have received 50%, of our revenue. We continue to operate at a sound financial manner.

Ms. Kimberly Kennedy, Director of Engineering and Construction, provided an update on the 2021 Capital Budget Status Report, through July 22<sup>nd</sup> we are over \$26,000,000.00, in spending. As expected, numbers are climbing because of construction and \$6,000,000.00 of the growth from the May report is the S-461, the North End facilities and the RAS project. The other project that had a big jump is our S-475, the tunnel program management due to ramping up the program.

Ms. Kimberly Kennedy, Director of Engineering and Construction, provided an update of the Expansion Cost report. This just focuses on wastewater treatment plant expansion. We have awarded, \$232,000,000.00, to construction associated with plant expansion. We are just over 11% of the volume of work completed. The East Headworks project, we awarded the \$87,000,000.00, I expect those invoices to start coming in by the September Board meeting. The Plants Electrical Distribution system upgrade is on to make September award.

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

No. 2 (FINAL), under Contract 1693, "2019 Sewer Improvement Contract" from JetJack, Inc., a credit for the amount of \$736,822.03. This change order represents unused costs associated with the municipal use of items and repairs to Regionalized Trunk Sewers. The original amount of the contract was \$943,572. The current value of the contract including this change order is \$229,849.97.

Upon motion of Mr. John Weinstein, and seconded by Ms. Sylvia Wilson, the Board approved the April Board Minutes and invoices in excess of \$20,100.00, processed during the period of June 15, 2021 to July 12, 2021.

Upon motion of Ms. Sylvia Wilson, and seconded by Mr. John Weinstein, the Board awarded the following contract:

Contract No. 1739-E “Electrical Distribution Systems Upgrade Electrical,” to Sargent Electric at the price of \$9,490,000.00.

Upon motion of Ms. Sylvia Wilson, and seconded by Mr. John Weinstein, the Board awarded the following contract:

Contract No. 1739-G, “Electrical Distribution Systems Upgrade General,” to Kokosing Industrial, at the price of \$2,544,000.00.

Upon motion of Ms. John Weinstein and seconded by Ms. Sylvia Wilson, the Board awarded the following contract:

Contract No. 1742 “Furnish and Deliver Polymer for Centrifuge Dewatering System,” to SNF POLYDYNE INC., at the price of \$1.15, per pound.

Upon motion of Ms. Sylvia Wilson, and seconded by Mr. John Weinstein, to authorize the preparation of specifications and advertisement for bids for the following contracts

1. Contract No. 1747, “Temporary Primary Disinfection”
2. Contract No. 1748, “Furnish and Deliver Incinerator Bed Sand”
3. Contract No. 1749, “Primary Tanks Concrete Decking Resealing and Repairs”
4. Contract No. 1750, “Work Barge Dry Dock, Inspection and Repair”
5. Contract No. 1751, “Emergency Sewer Televising Contract 2022-2023”
6. Contract No. 1752, “Repairs to Fluid Bed Incinerator No. 1”

Upon motion of Mr. John Weinstein and seconded by Ms. Sylvia Wilson 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:

No. 2, under Contract 1728-G, “Return Activated Sludge Pipe and Pump Replacement” from Kokosing Construction, for the amount of \$44,506.00. These costs are to upsize the hoist beam within each pump station to handle a 3-ton capacity. The original amount of the contract was \$14,166,850.00. The current value of the contract including this change order is \$14,236,622.00.

***The items denoted with an asterisk (\*) were reviewed by the Professional Services Committee at a publicly advertised meeting on July 8, 2021. The Committee unanimously approved and recommended that these items be submitted to the Board.***

\*Upon motion of Mr. John Weinstein and seconded by Ms. Sylvia Wilson, the Board approved modification to the Service Authorization for Professional Consultants 289 for CDM Smith to continue as Program Director to assist ALCOSAN in the implementation of the Clean Water Plan for an amount not to exceed \$9,882,300.00.

\*Upon motion of Ms. Sylvia Wilson, and seconded by Mr. John Weinstein, the Board approved the modification of Service Authorization 314 for Keystone Acquisition Services, under the agreement for Engineering Consultant Services, for an additional one (1) year no cost extension of services, to continue their work associated with Property and Right of Way Acquisition Service, and Service Authorization 316 for Hanna Langholz Wilson Ellis, under the agreement for Engineering Consultant Services, for an additional one (1) year no cost extension of services, to continue their work associated with Property and Right of Way Acquisition Services.

\*Upon motion of Ms. Sylvia Wilson and seconded by Mr. John Weinstein, the Board approved the modification of the Green Revitalization of Our Waterways (GROW) Program by amending the Grant Agreement between ALCOSAN and its municipal partners in a form approved by the Solicitor.

Before the motion to modify the Service Authorization for the GROW program was approved, Mr. Corey O'Connor, shared how we have been doing a great job with getting the money out and partnering with the municipalities.

\*Upon motion of Mr. John Weinstein and Mr. Harry Readshaw, the Board approved an open-ended bond in the form prepared by the Solicitor holding ALCOSAN bond to the Commonwealth of Pennsylvania. This is in accordance with Allegheny County Block and Lot Numbers: 7P-125, 7P-23, 7P-32 and 7P-40.

At the conclusion of the meeting, Mr. O'Connor reminded everyone that September 18<sup>th</sup>, is Open House. Mr. John Weinstein made note that, September 18<sup>th</sup>, is the same day as the St. Patrick's Day parade.

The next Board of Directors Meeting will be held on September 23, 2021.

There being no further business, the meeting adjourned at approximately 12:15 p.m.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
3 Rivers Wet Weather		98,397.65	Professional Services Re: Provide Support Services for Regional Wet Weather Planning Compliance, Service Authorization No. 318, for the Month of June 2021. Invoice No. 6302021 Dated June 30, 2021.
3 Rivers Wet Weather		78,183.83	Professional Services Re: Provide Support Services for Regional Wet Weather Planning Compliance, Service Authorization No. 318, for the Month of July 2021. Invoice No. 7312021 Dated August 4, 2021.
3 Rivers Wet Weather		71,656.90	Professional Services Re: Provide Support Services for Regional Wet Weather Planning Compliance, Service Authorization No. 318, for the Month of August 2021. Invoice No. 8312021 Dated September 2, 2021.
9Rooftops Marketing		92,083.93	Professional Services Re: Alcosan Task 1 Research & Planning, Service Authorization No. 264, for the Month of July 2021. Invoice No. 19906 Dated August 9, 2021.
9Rooftops Marketing		95,599.95	Professional Services Re: Alcosan Task 1 Research & Planning, Service Authorization No. 264, for the Month of August 2021. Invoice No. 20417 Dated September 9, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
ADS Environmental Services	44,450.00		Professional Services Re: Municipal Source Control Program, Flow Monitoring and Flow Isolation Study, Service Authorization No. 325, for the Month of June 2021. Invoice No. 35273-0721 Dated July 12, 2021.
AE Works	132,226.85		Professional Services Re: Laboratory/Industrial Waste Facility and Parking Garage Design, Service Authorization No. 350, for the Month of July 2021. Invoice No. ALCO-002-19 Dated July 31, 2021.
AE Works	157,573.60		Professional Services Re: Laboratory/Industrial Waste Facility and Parking Garage Design, Service Authorization No. 350, for the Month of August 2021. Invoice No. ALCO-002-20 Dated August 28, 2021.
AECOM			
Technical Services	63,794.90		Professional Services Re: Alcosan Regionalization Analysis and Implementation, Service Authorization No. 299, for the Period of June 19 to July 23, 2021. Invoice No. 49/2000522132 Dated July 29, 2021.
Arcadis	64,373.55		Professional Services Re: Wet Weather Plant Expansion, Service Authorization No. 295, for the Period Ending August 15, 2021. Invoice No. 34251582 Dated August 27, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Babst, Calland, Clements & Zomnir	51,337.50	Professional Services Re: Legal Matters for the Month of July 2021. Invoice Nos. 1507152 to 1507163 Dated August 6, 2021.
Babst, Calland, Clements & Zomnir	48,737.73	Professional Services Re: Legal Matters for the Month of August 2021. Invoice Nos. 1508457 to 1508466 Dated September 8, 2021.
Burch Hydro, Inc.	121,803.09	Biosolids Management Services for the Month of July 2021. Invoice No. 2016 Dated July 31, 2021.
Burch Hydro, Inc.	113,855.97	Biosolids Management Services for the Month of August 2021. Invoice No. 2033 Dated August 31, 2021.
CDM Smith	126,712.08	Professional Services Re: Wet Weather Program Management and Engineering Support Services, Service Authorization No. 289, for the 1Period of June 13 through July 17, 2021. Invoice No. 90130168/62 Dated July 27, 2021.
CDM Smith	156,606.17	Professional Services Re: Wet Weather Program Management and Engineering Support Services, Service Authorization No. 289, for the Period of July 18 through August 21, 2021. Invoice No. 90132828/63 Dated August 30, 2021.

ALCOBAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
City of Pittsburgh	46,111.75		Permit Fees/Plan Review of Environmental Compliance Facility.
Cowden Associates		27,420.00	Professional Services Re: Bargaining and Management Pension Plans for the Month of August 2021. Invoice No. 21-ACSA-00533 Dated August 31, 2021.
First Student	36,875.50		Shuttle Service Provided for Employee Parking Covering the Period of July 9 to August 8, 2021 as per Contract No. 1740. Invoice No. 80473235-57 Dated August 12, 2021.
G. Stephens, Inc.	42,006.70		Professional Services Re: Alcosan New Laboratory, Industrial Waste and Garage, Service Authorization No. 353, for the Month of June 2021. Invoice No. 6798 Dated August 30, 2021.
G. Stephens, Inc.	44,570.98		Professional Services Re: Alcosan New Laboratory, Industrial Waste and Garage, Service Authorization No. 353, for the Month of July 2021. Invoice No. 6829 Dated August 31, 2021.
GAI Consultants		33,381.61	Professional Services Re: Alcosan Emissions Stack Testing for FBI #1 & #2, Service Authorization No. 274-2, for the Period Ending of June 20 to July 17, 2021. Invoice No. 2165575 Dated August 11, 2021.



ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
GHD, Inc.	136,436.12		Professional Services Re: Alcosan CSO Bypass and Disinfection, Service Authorization No. 361, for the Period Ending July 31, 2021. Invoice No. 380-0001546 Dated August 28, 2021.
Guy's Mechanical Systems, Inc.	73,800.00		Return Activated Sludge (RAS) Pipe and Pump Replacement-HVAC. Contract 1728H, Estimate No. 1.
Hatch Associates	24,515.23	3,950.00	Professional Services Re: Miscellaneous Engineering Services, Service Authorization No. 342, for the Period Ending April 30, 2021. Invoice No. 90782686 Dated May 18, 2021.
HDR Engineering	39,774.51		Professional Services Re: North End Facilities New Outfall and Disinfection Facility and New Secondary Clarifiers, Service Authorization No. 322, for the Period of May 23 to June 25, 2021. Invoice No. 1200362860/25 Dated July 27, 2021.
HDR Engineering	64,898.18		Professional Services Re: North End Facilities New Outfall and Disinfection Facility and New Secondary Clarifiers, Service Authorization No. 322, for the Period of June 27 to July 31, 2021. Invoice No. 1200368731/26 Dated August 19, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
HDR Engineering	61,701.26		Professional Services Re: RAS Pipe and RAS Pump Replacement, Service Authorization No. 335, for the Period of May 23 to June 26, 2021. Invoice No. 1200362861/18 Dated July 27, 2021.
HDR Engineering	34,176.46		Professional Services Re: RAS Pipe and RAS Pump Replacement, Service Authorization No. 335, for the Period of June 27 to July 31, 2021. Invoice No. 1200368732/19 Dated August 20, 2021.
Ideal Integrations		159,741.00	Backup and Archive of Alcosan's Existing File Servers. Invoice No. B44454 Dated July 16, 2021.
Ideal Integrations		76,272.00	106 Connection to Data Recovery Center for the Backup of Alcosan's Banner Billing System. Invoice No. B44455 Dated July 16, 2021.
Jacobs Engineering	100,516.96		Professional Services Re: Green Stormwater Infrastructure and Source Controls, Service Authorization No. 302, for the Month of July 2021. Invoice No. E3X54600-048 Dated August 27, 2021.
Jacobs Engineering	83,205.67		Professional Services Re: Green Stormwater Infrastructure and Source Controls, Service Authorization No. 302, for the Month of August 2021. Invoice No. E3X54600-049 Dated September 1, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Jacobs Engineering	285,636.01		Professional Services Re: Tunnel Program Management, Service Authorization No. 365, for the Period of May 29 through June 25, 2021. Invoice No. E3X54300-005 Dated August 25, 2021.
Jacobs Engineering	308,321.01		Professional Services Re: Tunnel Program Management, Service Authorization No. 365, for the Period of June 26 through July 30, 2021. Invoice No. E3X54300-006 Dated August 30, 2021.
Marion Hill	25,000.00		Removal and Installation of Inflatable Pipe Plugs for Isolation Between the WA3 Aeration Basin and the Mixed Liquor Channel on August 16, 17 and 20. Invoice No. 6375 Dated September 2, 2021.
Marion Hill	25,000.00		Removal and Installation of Inflatable Pipe Plugs for Isolation Between the WA1 Aeration Basin and the Mixed Liquor Channel on August 23, 24 and 27. Invoice No. 6376 Dated September 2, 2021.
Mascaro Construction	3,681,261.78		North End Plant Expansion-General, Contract No. 1723-G, Estimate No. 10.
Mascaro Construction	9,792,058.98		North End Plant Expansion-General, Contract No. 1723-G, Estimate No. 11.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Michael Baker	275,320.16		Professional Services Re: Wet Weather Plant Expansion, Service Authorization No. 319, for the Period Ending May 30, 2021. Invoice No. 1119350 Dated June 17, 2021.
Michael Baker	259,375.12		Professional Services Re: Wet Weather Plant Expansion, Service Authorization No. 319, for the Period Ending July 4, 2021. Invoice No. 1122469 Dated July 27, 2021.
Michael Baker	214,815.85		Professional Services Re: Wet Weather Plant Expansion, Service Authorization No. 319, for the Period Ending July 31, 2021. Invoice No. 1122476 Dated August 20, 2021.
NACWA		40,110.00	Membership Dues for the Period of October 1, 2021 through September 30, 2022. Invoice No. 71548 Dated September 9, 2021.
Old Republic National Title Insurance Co.	2,520,771.38		Acquisition of the Cardello Stable Property.
P. J. Dick, Inc.	1,742,270.40		East Headworks Project-General, Contract No. 17296, Estimate No. 1.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Polydyne, Inc.	34,314.00	Furnish and Deliver Polymers Per Contract No. 1692. Invoice No. 1562200 Dated July 23, 2021.
Polydyne, Inc.	49,450.00	Furnish and Deliver Polymers Per Contract No. 1692. Invoice No. 1566594 Dated August 9, 2021.
Polydyne, Inc.	49,450.00	Furnish and Deliver Polymers Per Contract No. 1692. Invoice No. 1569801 Dated August 20, 2021.
Polydyne, Inc.	50,761.00	Furnish and Deliver Polymers Per Contract No. 1692. Invoice No. 1575180 Dated September 10, 2021.
Prime AE Group	21,234.44	Professional Services Re: Remote Pump Station Improvements, Service Authorization No. 346, for the Period of February 6 to April 9, 2021. Invoice No. 10 Dated April 30, 2021.
Prime AE Group	34,272.67	Professional Services Re: Remote Pump Station Improvements, Service Authorization No. 346, for the Period of April 10 to May 7, 2021. Invoice No. 11 Dated May 31, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Prime AE Group	58,714.29		Professional Services Re: Remote Pump Station Improvements, Service Authorization No. 346, for the Period of May 8 to July 12, 2021. Invoice No. 12 Dated July 31, 2021.
Rizing LLC		21,089.25	Professional Services Re: Implementation of the New Human Resources Information System, Service Authorization No. 368, for the Month of July 2021. Invoice No. AASINV-100288 Dated July 31, 2021.
Shiloh Industrial Contractors, inc.	25,203.95		WA-4 Pre-Engineered Storage Building, Contract No. 1722, Estimate No. 4 and Final.
W. G. Tomko & Son, Inc.	33,300.00		Alcosan Parking Garage-Plumbing, Contract No. 1735P, Estimate No. 1.
Wade Trim	23,911.52		Professional Services Re: Effluent Flushing Water System Improvements, Service Authorization No. 356, for the Month of June 2021. Invoice No. 5003945 Dated July 13, 2021.
Wade Trim	29,028.89		Professional Services Re: Effluent Flushing Water System Improvements, Service Authorization No. 356, for the Month of July 2021. Invoice No. 5004022 Dated August 13, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

INVOICES OVER \$20,100.00

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
--	----------------	------------------	--------------------

Whitman, Requardt & Associates	49,347.78		Professional Services Re: Alcosan New East Headworks Facility, Service Authorization No. 329, for the Period of June 6 through July 31, 2021. Invoice No. 27-14430.000 Dated August 25, 2021.
-----------------------------------	-----------	--	---



ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

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

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
9Rooftops Marketing		14,073.50	Professional Services Re: Alcosan CRM Design & Development, Service Authorization No. 264, for the Month of August 2021. Invoice No. 20415 Dated September 9, 2021.
Buck Global, LLC		12,887.50	Consulting Services Re: Miscellaneous Human Resource Issues for the Month of July 2021. Invoice No. INV-05023705 Dated August 10, 2021.
Christy Minerals		13,203.00	Furnish and Deliver Incinerator Bed Sand as per Contract No. 1700. Invoice No. 153459 Dated July 13, 2021.
Christy Minerals		13,608.00	Furnish and Deliver Incinerator Bed Sand as per Contract No. 1700. Invoice No. 153477 Dated July 14, 2021.
Christy Minerals		12,609.00	Furnish and Deliver Incinerator Bed Sand as per Contract No. 1700. Invoice No. 153478 Dated July 14, 2021.
Cosmos Technology	13,208.77		Professional Services Re: Temporary Hypochlorite-Construction Administration, Service Authorization No. 328 for the Month of June 2021. Invoice No. HYPO20 Dated July 6, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

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

	<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
DLZ		19,217.32	Professional Services Re: Annual Interceptor Cleaning-Chartiers Interceptor, Service Authorization No. 351 for the Period of June 19 to July 30, 2021. Invoice No. 213609 Dated August 18, 2021.
Lennox Industries		12,701.20	Furnish and Deliver Forty (40) 25 Pound Freon Cylinders for Inventory. Invoice No. 0562422900 Dated July 26, 2021.
LuminUltra Technologies		11,495.00	One Month of 3 Days per Week Wastewater Covid 19 Testing. Invoice No. 16129 Dated August 31, 2021.
Norfolk Southern Railway	16,533.26		Reimbursement of Expenses Incurred Relating to the North End Plant Expansion Project for the Period of September 2020 through March 2021. Invoice No. 91958173 Dated March 31, 2021.
Ohio EPA		19,927.64	Annual Ohio Land Application and Disposal Fees for Biosolids Management. Invoice No. 1430852 Dated July 29, 2021.
Rosemount, Inc.		11,861.65	Furnish and Deliver ERF FBI #1 Tray Tower SSI Transmitters. Invoice No. 71836845 Dated September 9, 2021.

ALCOSAN PAYABLES EXCEEDING \$10,900.00 FROM JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

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

<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Senqcia Maxco, Ltd.	11,025.20	Furnish and Deliver 250 SS Flight Drive Chains. Invoice No. 652477 Dated May 21, 2021.
Waste Management	13,545.45	Sludge and Ash Disposal Services for the Period of July 1 through July 15, 2021. Invoice No. 0038674-0069-3 Dated July 16, 2021.
Waste Management	14,841.49	Sludge and Ash Disposal Services for the Period of July 16 through July 30, 2021. Invoice No. 0038734-0069-5 Dated August 2, 2021.
Waste Management	14,418.80	Sludge and Ash Disposal Services for the Period of August 2 through August 13, 2021. Invoice No. 0038821-0069-0 Dated August 16, 2021.
Waste Management	14,078.88	Sludge and Ash Disposal Services for the Period of August 16 through August 31, 2021. Invoice No. 0038885-0069-5 Dated September 1, 2021.

UTILITY INVOICES EXCEEDING \$10,900.00 PAID DURING THE PERIOD OF JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Direct Energy	28,205.93	Natural Gas Commodity Charges for the Month of June 2021. Invoice No. HS12538850. Account 737446-81920.
Direct Energy	27,007.93	Natural Gas Commodity Charges for the Month of July 2021. Invoice No. HS12582785. Account 737446-81920.
Direct Energy	30,550.99	Natural Gas Commodity Charges for the Month of August 2021. Invoice No. HS12637039. Account 737446-81920.
Duquesne Light Co.	572,648.72	Electrical Service, 3300 Preble Avenue-May 24-June 29, 2021 Account No. 8737-850-000.
Duquesne Light Co.	428,874.51	Electrical Service, 3300 Preble Avenue-June 29-July 26, 2021 Account No. 8737-850-000.
Duquesne Light Co.	466,855.48	Electrical Service, 3300 Preble Avenue-July 26-August 24, 2021 Account No. 8737-850-000.
Peoples Natural Gas	25,594.26	Gas Service Agreement, 3285 Preble Avenue -May 28-June 30, 2021 - Meter No. 617077.

UTILITY INVOICES EXCEEDING \$10,900.00 PAID DURING THE PERIOD OF JULY 13, 2021 THROUGH SEPTEMBER 13, 2021

<u>CAPITAL</u>	<u>OPERATING</u>	<u>DESCRIPTION</u>
Peoples Natural Gas	20,691.48	Gas Service Agreement, 3285 Preble Avenue -June 30-July 30, 2021 - Meter No. 617077.
Peoples Natural Gas	19,737.99	Gas Service Agreement, 3285 Preble Avenue -July 30-August 31, 2021 - Meter No. 617077.
Pittsburgh Water & Sewer Authority	91,162.80	Water Service, Treatment Plant, 3300 Preble Avenue for the Month of June 2021. Account No. 5078223-1003133.
Pittsburgh Water & Sewer Authority	35,698.88	Water Service, Treatment Plant, 3300 Preble Avenue for the Month of June 2021. Account No. 5078224-1000652.
Pittsburgh Water & Sewer Authority	29,079.50	Water Service, Treatment Plant, 3300 Preble Avenue for the Month of June 2021. Account No. 5078225-1000651.
Pittsburgh Water & Sewer Authority	128,407.75	Water Service, Treatment Plant, 3300 Preble Avenue for the Month of July 2021. Account No. 5078223-1003133.
TOTAL	20,977,480.72	3,431,605.26

**BID TABULATION**

**CONTRACT NO. 1726**

**CIPP Rehabilitation of Portions of the Monongahela Sub**

**BID OPENING, Wednesday, August 11, 2021 @ 2:00 P.M.**

<b><u>COMPANY NAME</u></b>	<b><u>TOTAL BASE BID</u></b>
<b>Independent Enterprises</b>	<b>\$9,347,085.00</b>
<b>Insituform Technologies</b>	<b>\$11,784,479.00</b>

**WITNESS:** Kay Lynn S. Banks

**WITNESS:** [Signature]

TABULATION OF BIDS  
CONTRACT 1745  
UNIFORM RENTAL SERVICE  
(BID OPENING WEDNESDAY, SEPTEMBER 1, 2021 11:00 A.M.)

COMPANY NAME	ITEM NO. 1A	ITEM NO. 1B	ITEM NO. 1C	ITEM NO. 2A	ITEM NO. 2B	ITEM NO. 3	ITEM NO. 4	ITEM NO. 5	ITEM NO. 6	ITEM NO. 7
	5 Shirts & 5 Pants in Light Blue Over Navy & 3 Coveralls in Navy; 100% Cotton	7 Shirts & 7 Pants in Light Blue Over Navy and 1 Coverall in Navy; 100% Cotton	Eleven (11) shirts and eleven (11) pair of pants, in Light Blue over Navy; and one (1) coverall in Navy; in 100% cotton material	7 Pleated Twill Pants in Navy; Black Or Tan, Polyester/Cotton Material	7 Women's Work Pants in Navy; Black or Tan Polyester/Cotton Material with Memory Stretch Yarn for Flexibility	7 Shirts & 7 Pants in Beige or Tan over Brown; 100% Cotton Material	7 Shirts & 7 Pants in Light Blue over Navy; Flame Resistant Material 1 Coverall in Navy; 100% Cotton Material	7 Shirts & 7 Pants in Light Blue over Navy; Chemical Resistant Polyester/Cotton Material	11 Shirts & 7 Pants in Black over Black Cotton/Polyester Blend Material	Two (2) coveralls in Navy; in 100% cotton material
Unifirst Corporation	\$1.88	\$1.96	\$2.96	\$0.84	\$0.84	\$1.75	\$4.34	\$1.33	\$11.41	\$0.42
Cintas Corporation	\$1.94	\$2.14	\$3.26	\$0.98	\$0.98	\$1.96	\$4.38	\$1.54	\$6.30	\$0.36

WITNESS



WITNESS



## Previous Contract No. 1696: Uniform Rental Services

Awarded October 17, 2018 to Unifirst Corporation

At the following prices:

COMPANY NAME	ITEM NO. 1A	ITEM NO. 1B	ITEM NO. 2A	ITEM NO. 2B	ITEM NO. 3	ITEM NO. 4	ITEM NO. 5	ITEM NO. 6
	5 Shirts & 5 Pants in Light Blue Over Navy & 3 Coveralls in Navy; 100% Cotton	7 Shirts & 7 Pants in Light Blue Over Navy and 1 Coverall in Navy; 100% Cotton	7 Pleated Twill Pants in Navy; Black Or Tan, Polyester/Cotton Material	7 Women's Work Pants in Navy; Black or Tan Polyester/Cotton Material with Memory Stretch Yarn for Flexibility	7 Shirts & 7 Pants in Beige or Tan over Brown; 100% Cotton Material	7 Shirts & 7 Pants in Light Blue over Navy; Flame Resistant Polyester/Cotton Material	7 Shirts & 7 Pants in Light Blue over Navy; Chemical Resistant Polyester/Cotton Material	11 Shirts & 7 Pants in Black over Black Cotton/Polyester Blend Material
Unifirst Corporation	\$2.04	\$2.12	\$0.98	\$0.98	\$1.89	\$4.92	\$1.54	\$12.41



## BID TABULATION

CONTRACT NO. 1747

## TEMPORARY PRIMARY DISINFECTION

BID OPENING, TUESDAY, SEPTEMBER 14, 2021 @ 2:00 P.M.

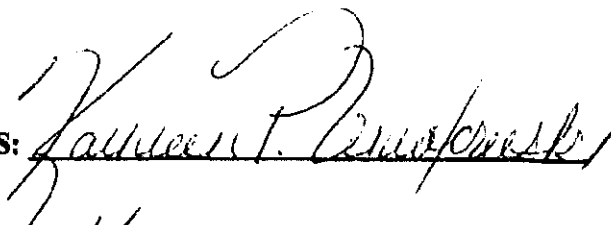
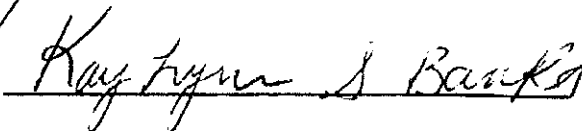
<u>COMPANY NAME</u>	<u>TOTAL BASE BID</u>
KOKOSING CONSTRUCTION COMPANY, INC.	\$502,000.00
ENERFAB	\$544,000.00
SIMAKAS COMPANY, INC.	\$557,101.00
SSM INDUSTRIES	\$568,000.00

WITNESS:

Sen P. Roberts

WITNESS:

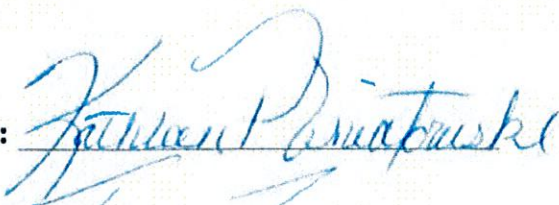
Jonathan P. Parnowski

**FINAL BID TABULATION****CONTRACT NO. 1748****FURNISH AND DELIVER OF INCINERATOR BED SAND****(BID OPENING THURSDAY, SEPTEMBER 9, 2021 @ 11:00 A.M.)****Company Name****Total Base Bid****Christy Minerals, LLC****\$605.00 / Per Ton****WITNESS:****WITNESS:****Previous Contract – September 2018****Contract No. 1700 Awarded to Christy Mineral Company at \$540.00 Per Ton Delivered**

**BID TABULATION****CONTRACT NO. 1749****PRIMARY TANKS CONCRETE DECKING RESEALING AND REPAIRS****BID OPENING, Friday, September 17, 2021 @ 2:00 P.M.**

<b><u>COMPANY NAME</u></b>	<b><u>TOTAL BASE BID</u></b>
Nathan Contracting	\$114,888.00
Carl Walker Constr.	\$138,210.00
Pullman Services	\$155,462.00
Graciano Corporation	\$182,000.00
Shiloh Industrial	\$198,940.00
Mariani & Richards	\$298,984.00

WITNESS:



WITNESS:

**Previous Contract – July 2013****Contract No. 1615 Awarded to CPS Construction Group with a total base bid of \$53,700.00**

**AUTHORIZATION OF CONTRACTS FOR ADVERTISEMENT**

1. Contract No. 1750A, "Work Barge Dry Dock, Inspection and Repair"

Readvertisement of this contract to provide the inspection and repair of the hull of ALCOSAN's Work Barge. The dry docking of the barge is required since most of the wear occurs beneath the waterline. Holes and cracks will be welded and additional wear plates will be added as needed. Contract 1750 did not receive any bids, therefore a readvertisement is necessary.

2. Contract No. 1753, "Effluent Flushing Water (EFW) System Improvements"

Improvements to the existing Effluent Flushing Water (EFW) pumping and piping system are necessary to deliver adequate flow and pressure for the process and flushing water uses as part of the Wet Weather Expansion Project at the ALCOSAN Wastewater Treatment Plant. The existing EFW pump station is congested in terms of pumps and piping and is configured in such a fashion that flows conveyed to and from the pumps may present operational challenges and flow distribution issues.

This contract will include the further development of the EFW system including new effluent water pumps, motor control centers and system wide layouts of the high service and low service piping networks.

3. Contract No. 1754, "Furnish and Deliver Lime"

This contract is for the purchase and delivery of lime that is used to stabilize the biosolids after the dewatering process.

4. Contract No. 1755, "Furnish and Deliver Caustic Soda---Diaphragm Grade"

This contract is for the purchase of diaphragm grade caustic soda that is used in the odor control treatment process.

# Change Order Exhibit

Allegheny County Sanitary Authority

<b>Contract No.:</b>	1715G	<b>Change Order Number:</b>	1715G-CO-004
<b>Project Name:</b>	Temporary Hypochlorite Storage and Feed System	<b>Date Issued:</b>	09.15.2021
<b>Contractor:</b>	Kokosing Construction		

<p><b>PCO:</b> PCO - 00007 Containment Wall Punch list - Wall and Floor Crack Repair and Coating</p> <p><b>Description of Change:</b> Repair the cracks in the Temporary Sodium Hypochlorite Storage and Feed System Containment wall and the cracks in the floor slab as directed and described in Field Instruction FI-10 issued 6-3-21.</p> <p><b>Purpose for Change:</b> The cracks, which were listed on the initial Punch List were repaired using the recommended material and method. However, after the repair was made the material proved to not have the flexibility necessary for the type of cracks that had occurred. An alternate repair material was recommended and will be used for the repairs.</p> <p><b>Reason for Change:</b> Repairing the cracks provides added insurance against possible leaks and subsequent safety issues and is necessary to attain PA DEP acceptance.</p>	<p><b>Value of Change:</b> \$5,300.00</p>
--	---

<b>Total Add/&lt;Deduction&gt;:</b>	\$5,300.00
	<b>0 Calendar Days</b>

*Paul Pennington*

Construction Manager, Gannett Fleming, Inc.

# Change Order Exhibit

Allegheny County Sanitary Authority

<b>Contract No.:</b>	1716G	<b>Change Order Number:</b>	1716G-CO-003
<b>Project Name:</b>	Main Pump Station Flow Meters and Access Platform	<b>Date Issued:</b>	09.20.2021
<b>Contractor:</b>	Kokosing Construction		

<p><b>PCO: PCO - 00008 Water Found in Pump Station Wall</b></p> <p><b>Description of Change:</b> Repair unforeseen water leak encountered in exterior concrete wall when drilling for epoxy rebar embedments.</p> <p><b>Purpose for Change:</b> An unforeseen water leak was found in the exterior wall of the pump station. This leak was found when preparing the exterior wall for installation of a corbel at the discharge encasement of MSP No. 1. This leak would have been detrimental to the installation and thus needed repaired.</p> <p><b>Reason for Change:</b> The contractor's scope included drilling into the perimeter concrete wall of the Main Pump Station to install a new corbel. The water leak was discovered while performing contract work. Neither the contract drawings or any evidence existed to allow the contractor to have expected this condition.</p>	<p><b>Value of Change:</b> \$15,640.00</p>
<p><b>PCO: PCO - 00009 Access Platform Modifications</b></p> <p><b>Description of Change:</b> Adjust and modify the new access platform with the required additional materials and on-site modifications so that the platform is installed to accommodate the unforeseen obstructions adjacent to the existing access platform near the elevator cage and others encountered while installing the platform around the perimeter of the pump station.</p> <p><b>Purpose for Change:</b> To make changes to the layout and dimensioning of the proposed access platform to accommodate unforeseen variances in the location of some vertical piping and existing platform supports.</p> <p><b>Reason for Change:</b> Once work had begun and access was available to areas near the elevator cage and other existing vertically installed piping it was determined that portions of the access platform would require modifications to accommodate existing conditions that differed dimensionally from those depicted in the contract drawings. These differing existing conditions were not able to be discovered until access was supplied by the contractor.</p>	<p><b>Value of Change:</b> \$32,000.00</p>
<p><b>PCO: PCO - 00007 Additional Painting at Flow Meter Level</b></p> <p><b>Description of Change:</b></p>	<p><b>Value of Change:</b> \$29,981.00</p>

# Change Order Exhibit

Allegheny County Sanitary Authority

<p>Paint all areas of the perimeter of the pump station wall from the grating to 30" above the corbels at the level of the new flow meters using the same system and paint color as the previously applied concrete coatings. The work is to be completed by September 17, 2021.</p> <p><b>Purpose for Change:</b> To coat the exterior perimeter of the Main Pump Station wall between those repair coatings already applied at each flow meter.</p> <p><b>Reason for Change:</b> A decent color match could not be found due to the level of wear and age of the untouched portion of the exterior wall between the spot and newly coated repairs adjacent to the new flow meters therefor the contractor's scope of work should be changed to paint the entire perimeter of the pump station above the new access platform to 30" above the corbels.</p>	
---	--

<b>Total Add/&lt;Deduction&gt;:</b>	\$77,621.00
	21 Calendar Days

*Bradley Zook*

Construction Manager, Michael Baker International



# Change Order Exhibit

Allegheny County Sanitary Authority

<b>Contract No.:</b>	1717	<b>Change Order Number:</b>	1717-CO-004
<b>Project Name:</b>	O&M Building Facade Repairs	<b>Date Issued:</b>	09.20.2021
<b>Contractor:</b>	Caliber Contracting Services, Inc.		

<p><b>PCO:</b> PCO - 00011 Project #1717 Insurance claim #CPA-PA-01-21-0966110 Exterior Metal Panel Replacement &amp; Roof Repair</p> <p><b>Description of Change:</b>          This PCO is not requesting additional money for additional work on project 1717.          This PCO is an insurance claim for replacement of the exterior metal panel and roof repaired at the south end stairwell of the O&amp;M Building above patio.          Description: Build scaffold to approx. 30'-0 high, remove existing damaged 30"x60" exterior panel, reinstall new fabricated (30"x60") panel in the exact location using new back flashing, adhesive and anchor clips.          Description: Remove existing temporary roof repair (12"x30") and screw in place a top-set metal deck over damage deck, install membrane with substrate , 6" rigid insulation, and reinstall pavers.</p> <p><b>Purpose for Change:</b>          Purpose of change is to restore the exterior metal and roof repair back to the original condition and maintain panel and roof warranty.          Cause of damage was during the scaffold erection around the exterior south stairwell above the patio one of Marsa Masonry (workman) dropped a wooden scaffold plank and this plank bounced off the metal panel and pierced thru the roof membrane and metal deck.</p> <p><b>Reason for Change:</b>          The reason for this PCO is to get the exterior metal panel replaced with panel warranty and new panel to blend in with the surrounding panels          Also to have the deck repaired and permanent roof membrane repaired to maintain roof warranty</p>	<p><b>Value of Change:</b> \$71,050.60</p>
---	--

<b>Total Add/&lt;Deduction&gt;:</b>	\$71,050.60
	0 Calendar Days

*Raymond Sisay*

Construction Manager, ALCOSAN

# Change Order Exhibit

Allegheny County Sanitary Authority

<b>Contract No.:</b> 1723G	<b>Change Order Number:</b> 1723G-CO-006
<b>Project Name:</b> North End Facilities	<b>Date Issued:</b> 09.20.2021
<b>Contractor:</b> Mascaro Construction Company, LP	

<p><b>PCO:</b> PCO - 00025 (Credit) Repair costs to damaged existing handrail at EMLC</p> <p><b>Description of Change:</b> Credit to be issued to ALCOSAN reimbursing for the labor and materials necessary to repair the damaged handrail at the East Mixed Liquor Channel.</p> <p><b>Purpose for Change:</b> Compensation to ALCOSAN for costs incurred for labor and materials to repair the damaged handrail at the EMLC.</p> <p><b>Reason for Change:</b> On August 2, 2021 ALCOSAN security camera video showed a truck and trailer damage an existing handrail at the EMLC. After comparing video photo's with CM inspector photos, it was determined that the truck and trailer that caused the damaged had made a delivery for Richard Goettle, Inc. (subcontractor for Mascaro Construction). This credit is back-charging the Contractor for costs incurred by ALCOSAN maintenance to repair the damaged handrail (\$900.00 labor costs and \$1,500.00 material costs).</p>	<p><b>Value of Change:</b> -\$2,400.00</p>
<p><b>PCO:</b> PCO - 00019 Demo Structure Excavation Credit Add</p> <p><b>Description of Change:</b> Per ALCOSAN/Michael Baker's request, Mascaro performed additional demolition work at the ALCOSAN NEPE project. Demolition work performed under Mascaro COR 004 Demo Structure South of MC-01-RFI-00007 and COR 005 Existing Structures Demo - North Site Area RFI-00002 included credits for base bid excavation as requested by MBI/ALCOSAN. As noted in those requests, if the unit cost proposal for contaminated waste removal was accepted, these credits would need to be added back to Mascaro's contract as they would have been deducted from Mascaro twice. This was further noted in Mascaro's COR-013 for the Contaminated Waste Unit Cost Initial Cut item #5. ALCOSAN/MBI issued CO-004 which included a credit of \$1,114,545.00 for the base bid excavation and thus the excavation credits from MCC COR 004 and COR 005 are required to be added back to Mascaro's contract.</p> <p><b>Purpose for Change:</b> To compensate the Contractor for original excavation work performed that should have been billed against their SOV Line Item 47 - Site Pad Precut Excavation. However, this line item was deducted in full under PCO-10/CO-04 and never billed against. In addition, the dollar amount shown for this PCO were credits issued to PCO's 05 &amp; 06. This PCO compensates the Contractor for these credits.</p> <p><b>Reason for Change:</b> While performing Force Account demolition work as described in PCO-05 &amp; PCO-06, the daily F/A tickets submitted by the Contractor included labor and equipment costs for excavation of soils. The soil excavation (this first handling of the soil) was part of the original Contract bid</p>	<p><b>Value of Change:</b> \$66,700.00</p>

# Change Order Exhibit

Allegheny County Sanitary Authority

<p>work, which would be paid for under Line Item 47 - Site Pad Precut Excavation. This soil was excavated to perform the demolition work and was placed into a stockpile on site until the Residual Waste soils issue was resolved.</p> <p>Subsequently, the Contractor included these costs in their F/A paperwork and during PCO negotiations, Dan P. and John D. had the Contractor provide a credit to remove these costs from PCO's 5 &amp; 6 as these costs should have been paid for under Line Item 47 as stated above. At this same time, Dan L. was negotiating the soils issue with Mascaro and at the time, the outcome of how this negotiation was going to conclude was unknown.</p> <p>Once the Residual Waste Soils issue was resolved, the Contractor handled the excavated soil that was in the stockpile a second time and loaded into trucks and removed it from the site. This second handling was paid for at the new unit price of \$49.49/TN (PCO-10/CO-04).</p> <p>Due to the credit issued for the entire amount of Line Item 47, the Contractor was not able to bill against this item and was never compensated for the first handling of the excavated soils that was placed into the stockpile. Therefore, the add they are requesting is compensation for this first handling of the excavated soil that should have been paid for under Line Item 47.</p>	
<p><b>PCO: PCO - 00018 Procure Additional Groundwater Samples</b></p> <p><b>Description of Change:</b> Per ALCOSAN/Michael Baker's request, Mascaro furnished labor, material, equipment and supervision to procure additional groundwater samples at the ALCOSAN NEPE project. ALCOSAN/MBI requested that Mascaro excavate two holes on the project site, pump water from these excavations and test the water. This was directed through the attached emails. Please see the attached EWO tickets.</p> <p><b>Purpose for Change:</b> To compensate Mascaro Construction Company for taking additional groundwater samples through a filter bag in order to collect samples more representative of actual conditions.</p> <p><b>Reason for Change:</b> To analyze groundwater in order to determine if it can be discharged to the river or to ALCOSAN's system.</p>	<p><b>Value of Change:</b> \$8,524.00</p>
<p><b>PCO: PCO - 00022 Contaminated Waste Work thru 12/31/20 Dirt Work</b></p> <p><b>Description of Change:</b> Per ALCOSAN/Michael Baker's request, Mascaro furnished labor, material, equipment and supervision to provide work associated with the contaminated waste at the ALCOSAN NEPE project. Through onsite testing, it has been determined that the project soil is contaminated waste. All costs associated with contaminated waste are to be handled via force account. In response to Michael Baker's June 1, 2021 letter and onsite discussions, REV 1 of this change order is being broken into two separate change orders. This change order as REV 2 and a future change order to be submitted under separate cover. This change order represents costs associated with covering, double handling, etc. contaminated waste soils.</p>	<p><b>Value of Change:</b> \$21,276.00</p>

# Change Order Exhibit

Allegheny County Sanitary Authority

<p><b>Purpose for Change:</b></p> <p>The costs associated with this PCO represent stabilizing stockpiled excavated soil while it awaited testing results to determine which landfill the material could be disposed of offsite. The costs of this PCO include grading of the stockpile, covering the stockpile with plastic sheeting and securing the sheeting with sandbags; Installing silt sock around the perimeter of the stockpile for erosion control and installing construction fencing in the area of open excavation.</p> <p><b>Reason for Change:</b></p> <p>The costs associated with this PCO represent stabilizing stockpiled excavated soil while it awaited testing results to determine which landfill the material could be disposed of offsite.</p>	
---	--

<b>Total Add/&lt;Deduction&gt;:</b>	\$94,100.00
	0 Calendar Days

*John DeSantis*

Construction Manager, G. Stephens, Inc.

# Change Order Exhibit

Allegheny County Sanitary Authority

<b>Contract No.:</b>	1728G	<b>Change Order Number:</b>	1728G-CO-003
<b>Project Name:</b>	Return Activated Sludge (RAS) Pipe and RAS Pump Replacement	<b>Date Issued:</b>	09.20.2021
<b>Contractor:</b>	Kokosing Construction		

<p><b>PCO: PCO - 00015 Bypass Pumping Control Panel Changes</b></p> <p><b>Description of Change:</b> Modify the Temporary Bypass Pumping system Xylem control panel to change the outputs to 4-20mA analog from an ethernet/fiber or web-based control monitoring system.</p> <p><b>Purpose for Change:</b> To enable the Xylem pump control panel to communicate with ALCOSAN's existing DCS system.</p> <p><b>Reason for Change:</b> ALCOSAN's existing DCS system will only accept 4-20m Analog inputs. This was not known by the contractor until after the bypass plan had been submitted.</p>	<p><b>Value of Change:</b> \$2,222.92</p>
<p><b>PCO: PCO - 00016 Aeration Basin Access</b></p> <p><b>Description of Change:</b> Access into the totally drained aeration basins to make the modifications to the tanks is not included in the scope of work in the Contract. The work includes installation and demolition of scaffolding necessary for accessing the tanks to make modifications.</p> <p><b>Purpose for Change:</b> The specifications indicate that the liquor level in the basins would be drawn down to a level so that the modifications could be made. The contractor stated that their assumption at the time of the bid was that the condition of the tanks would be partially drained and unaerated. Their method of access would have been to utilize a boat and platform to perform the work. During development of the MOPO Plan Kokosing was informed that the tanks would be completely drained. At this point Kokosing modified their plan to utilize scaffolding for access into the tanks</p> <p><b>Reason for Change:</b> The fact that the tanks would be completely drained constitutes a changed site condition beyond the contractor's control.</p>	<p><b>Value of Change:</b> \$39,289.44</p>
<p><b>PCO: PCO - 00008 E Bypass Road Crossing - Premium Time Compensation</b></p> <p><b>Description of Change:</b> Overtime compensation for work performed on the East/West Clarifier road, 36-inch HDPE Pipe road crossing installation, on a weekend (Saturday, April 17, 2021).</p> <p><b>Purpose for Change:</b> The Contract Documents prohibit work from being performed on the East/West Clarifier Road during normal business hours, 6:00 AM to 5:00 PM, in order to not impact construction</p>	<p><b>Value of Change:</b> \$2,387.00</p>

# Change Order Exhibit

Allegheny County Sanitary Authority

activities from other ongoing projects. Kokosing planned and scheduled the East Bypass HDPE road crossing work for April 15, 2021, and requested that their activities be allowed to start early, 3:00 PM. Due to planned ALCOSAN activities, aeration basin work, Kokosing was requested to not perform the work until Saturday, April 17, 2021. The work

**Reason for Change:**

Kokosing had planned to perform the work at the end of the week, April 15, 2021, after regular business hours. The work would not be considered overtime since it would be the last day of a Kokosing pay period. Kokosing was requested to perform the work on Saturday April 17, 2021, a day that begins a new pay period and is subject to overtime. If Kokosing had scheduled the work for the following week, overtime pay would have been mandated since it would be the beginning of a pay period. To schedule the work for the end of the week would have entailed demobilization and remobilization of the excavator that was onsite to perform the work and would have also impacted the schedule.

**Total Add/<Deduction>:**

\$43,899.36

0 Calendar Days

*Paul Pennington*

Construction Manager, Gannett Fleming, Inc.

2021 GROW Cycle 6  
Recommendations for Grant Funding

GROW ID #	Municipality or Municipal Authority	Proposed Project Name	Type	Total Approved Project Cost	ALCOSSAM's Share of Project Costs	Percentage ALCOSSAM Match	Municipality or Municipal Authority's Share of Project Costs	Muni % Match	Modelled OF Reduction
2021_01-001	Borough of Baldwin	Streets Run Multi-municipal Sewer Repair Work	II	\$ 7,006,067.26	\$ 5,432,500.00	77%	\$ 1,573,567.26	22%	10.31
2021_01-003	The Municipality of Bethel Park	2019-2021 Sewer Rehabilitation	II	\$ 485,925.00	\$ 108,700.00	22%	\$ 377,225.00	78%	0.26
2021_01-008	Borough of Etna	Dewey Street Separation	DSIR	\$ 890,445.90	\$ 680,379.02	85%	\$ 120,066.89	15%	1.68
2021_01-010	Borough of Fox Chapel	2021 Sanitary Sewer Lining Repairs Project	II	\$ 312,753.56	\$ -	0%	\$ 312,753.56	100%	0
2021_01-011	Jugan Borough	Ingram Borough Source Reduction Repairs and Separation	SS	\$ 375,423.80	\$ 280,000.00	74%	\$ 95,423.80	25%	0.24
2021_01-012	Monroeville Municipal Authority	East Thompson Run Sanitary Sewer Rehabilitation Project	II	\$ 152,663.97	\$ 26,400.00	17%	\$ 126,263.97	83%	0.02
2021_01-013	Monroeville Municipal Authority	Broadway Blvd Sanitary Sewer Rehabilitation Project	II	\$ 182,151.97	\$ -	0%	\$ 182,151.97	100%	0.02
2021_01-014	Mt. Lebanon	Cedar Blvd Sewer Lining	II	\$ 228,979.80	\$ 39,700.00	17%	\$ 189,279.80	83%	0.03
2021_01-015	Mt. Lebanon	Eisenhower Drive Sewer Lining	II	\$ 261,439.80	\$ 47,400.00	18%	\$ 214,039.80	82%	0.05
2021_01-017	Township of O'Hara	2021 Sanitary Sewer Lining Repairs Project	II	\$ 418,398.20	\$ 69,200.00	16%	\$ 348,498.20	83%	0.01
2021_01-018	Pittsburgh Water and Sewer Authority	Small Diameter Sewer - Bowersville	SS	\$ 666,583.21	\$ -	0%	\$ 666,583.21	100%	0.2
2021_01-019	Pittsburgh Water and Sewer Authority	Small Diameter Sewer - Mayfield Phase II	II	\$ 2,522,590.03	\$ 391,700.00	15%	\$ 2,130,890.03	84%	0.04
2021_01-021	Pittsburgh Water and Sewer Authority	Four Mile Run Stormwater Improvement Project	DSIR	\$ 19,289,630.13	\$ 10,000,000.00	51%	\$ 9,289,630.13	48%	23.33
2021_01-023	Ross Township	Spouce Run Sewer Lining	II	\$ 292,334.20	\$ 248,484.07	85%	\$ 43,850.13	15%	0.96
2021_01-024	Ross Township	Union Avenue Ext. and Forest Avenue	II	\$ 210,148.80	\$ -	0%	\$ 210,148.80	100%	0
2021_01-026	Scott Township	2021 Kane Blvd Source Flow Reduction and Sanitary Sewer Improvements	II	\$ 557,289.80	\$ 139,400.00	25%	\$ 417,899.80	75%	0.19
2021_01-027	Borough of Sharpsburg	Reagan Street Stream Removal and Sewer Separation	DSIR	\$ 5,597,804.37	\$ 4,756,133.71	85%	\$ 839,670.66	15%	23.87
2021_01-028	Municipal Authority of the Township of South Fayette	Portman Run Sewer Main and Lateral Lining	II	\$ 372,459.61	\$ 93,200.00	25%	\$ 279,259.61	75%	0
2021_01-029	Borough of Wilkesburg	Lakecon Sewer Rehabilitation	II	\$ 423,584.30	\$ 360,047.17	85%	\$ 63,537.14	15%	1.39

	GSI	SS	II	DSIR	Total
Number of Projects	-	2	14	3	19
Projects offered Award	-	1	11	3	15
Potential Award	\$ -	\$ 280,000.00	\$ 6,957,481.24	\$ 15,488,512.73	\$ 22,675,993.96
Of Reduction for Awarded Projects (MG)	-	0.54	13.46	48.88	62.88

## 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
2016_01-028	PWSA	Larimer Park Green Infrastructure Project	5/1/2020	9/30/2021	6/30/2022
2016_01-033	PWSA	McKinley Park Green Infrastructure	6/30/2019	6/30/2020 12/31/2021	6/30/2022
2017_01-036	PWSA	Lawn and Ophelia Green Infrastructure	4/30/2020	12/31/2021	6/30/2023
2016_01-056	McKees Rocks	Chartiers Avenue Phase I Streetscape	9/30/2019	9/30/2020 9/30/2021	
2017_01-022	Wilkinsburg	South Avenue Area Sewer Rehabilitation	4/1/2019	6/30/2020 9/30/2021	6/30/2020
2018_01-005	Ross	Sewickley-Oakmont Road I/I Reduction	3/31/2021	9/30/2021	3/31/2022
2018_01-009	Dormont	Comprehensive Sewer Rehabilitation Project	9/30/2020	9/30/2021	3/31/2022
2018_01-016	Braddock	First Street Sewer Separation Project-Phase II	12/31/2020	9/30/2021	9/30/2022
2019_01-028	North Fayette Township	Hankey Farms Sanitary Sewer Lining	9/30/2021		12/31/2021