



AGENDA

Regular Meeting - 4:00 p.m. – November 18, 2020

1. **Call to Order**
2. **Approval of the Minutes** Regular Meeting – October 21, 2020
3. **Public Comment**
 - 3.1 Other items not on the agenda
4. **Old Business**
 - 4.1 2020 Bond Issue Parameters Resolution
5. **New Business**
 - 5.1 2021 Budget
 - 5.2 Beneficial Reuse Waterline Extension Change Order No. 1
 - 5.3 Requisitions
6. **Reports of Officers**
 - 6.1 SCBWA Liaison
 - 6.2 Financial Report
 - 6.3 Chairman’s Report
 - 6.4 Plant Superintendent’s Report
 - 6.5 Collection Systems Superintendent’s Report
 - 6.6 Consulting Engineer’s Report
 - 6.7 Construction Engineer
 - 6.8 Executive Directors Report
7. **Other Business**
8. **Adjournment**
9. **Executive Session**

**MINUTES
UNIVERSITY AREA JOINT AUTHORITY
1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801**

Regular Meeting – October 21, 2020

1. Call to Order

Mr. Lapinski, Chairman, called the meeting to order at 4:24 p.m., Wednesday, October 21, 2020. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Auman, Dietz and Lapinski, Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Ben Burns, HRG Consulting Engineer; Jeff Garrigan, HRG Consulting Engineer; David Gaines, Solicitor; Jason Wert and Michele Aukerman, Rettew. Those in attendance via Zoom were Messrs. Daubert, Dempsey, Derr and Ebaugh; Corey Rilk, CRPA; Kevin Mullen; Cynthia Hahn, C-NET; C-NET; Scott Shearer and Karli Keisling, Public Financial Management; Doug Erickson, Patton Township; Mark Huncik.

2. Reading of the Minutes

UAJA Regular Meeting – September 16, 2020

**UAJA Meeting
Minutes Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve the minutes of the UAJA meeting held on September 16, 2020. The motion passed unanimously.

3. Public Comment

3.1 Other items not on the agenda

Mr. Mullen spoke to the board about being overcharged for years and getting a partial refund on his bill. He also asked for his ten questions to be addressed.

4. Old Business

4.1 C-NET Annual Update

The University Area Joint Authority became a C-NET member organization in January of 2020. C-NET televises Authority meetings on Channel 7 and web streams the meetings online at cnet1.org. Cynthia Hahn, Executive Director, will present the C-NET annual update to the Authority Board.

Recommendation: No action required.

5. New Business

5.1 Introduction to the new bond issues

The draft 2021 budget includes several major capital projects including the digester/dryer project and the effluent ozone project which will need to be funded with revenue bonds. To take advantage of bank qualified interest rates, Public Financial Management (PFM) is recommending two bond issues, one in late 2020 and one in early 2021. PFM will discuss the two bond issues and explain the schedule.

Recommendation: No action required.

**Moving Forward
With The Process**

A motion was made by Mr. Dietz, seconded by Mr. Dempsey to move forward with the process, not approving it. The motion passed unanimously.

5.2 2021 Budget Subcommittee meeting Summary

The budget subcommittee met October 14 to discuss the draft 2021 budget. The budget will be ready for the November meeting. To allow the Borough of State College to adopt their budget and include any change to the tapping fee, UAJA needs to adopt the tapping fee. UAJA has for many years used the construction cost index contained in the October edition of the Engineering News Record to adjust the tapping fee. At the time of the distribution of the agenda, the index has not been published. The index should be available by the meeting date. The index value in September reflected a 1.7 percent increase. The 2020 tapping fee is \$5440 per EDU. The proposed tapping fee for 2021 will be provided as soon as the October index is available.

*Update: The index value came out today, October 21, 2020, and is reflecting a 1.9 percent increase, which would propose the 2021 tapping fee to be \$5,543 per EDU.

Recommendation: Adopt the tapping fee for 2021 as provided at the meeting.

**2021 Tapping Fee
Approved**

A motion was made by Mr. Derr, seconded by Mr. Auman, to approve the tapping fee for 2021 at \$5,543 per EDU. The motion passed unanimously.

5.3 First Citizens Community Bank co-signer approval

UAJA has used First Citizens Community Bank for financing vehicle and equipment purchases. This is an administrative action requiring board approval to appoint Jason Brown as an additional co-signer.

Recommendation: Appoint Jason Brown as an additional co-signer for transactions with First Citizens Community Bank.

**Additional Co-
Signer For First
Citizens
Community Bank
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Derr, to approve Jason Brown as the additional co-signer for transactions with First Citizens Community Bank. The motion passed unanimously.

5.4 Final Design: Patton Crossing Phase 1

Final design drawings for the Patton Crossing Phase 1 sewer extension (Patton Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 2.5 EDUs. The review comments have been addressed.

Recommendation: Approve the drawings as submitted.

**Final Design
Drawings
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve the drawing as submitted for Patton Crossing Phase 1. The motion passed unanimously.

5.5 Requisitions

Construction Fund #232	S&C Operations, Inc. Harris Reuse Trucking	\$12,580.00
Construction Fund #233	HRG Harris Reuse Engineering	\$3,494.00
Construction Fund #234	Glossner’s Concrete Harris Reuse Project	\$1,707.00
Construction Fund #235	Centre Concrete Company Harris Reuse Project	\$2,360.00
Construction Fund #236	Pinnacle Erosion Control Harris Reuse Project	\$3,516.00
Construction Fund #237	HRI, Inc. Harris Reuse- Pay App. No. 2	\$179,715.00
Construction Fund #238	Ligonier Construction Harris Reuse- Pay App. No. 2	\$141,475.50
Construction Fund #239	Rettew Associates ENR/AWT Upgrade	\$26,866.44
TOTAL CONSTRUCTION FUND		\$371,713.94

**Construction Fund
 Approved**

A motion was made by Mr. Dietz, seconded by Mr. Derr to approve Construction Fund #232, #233, #234, #235, #236, #237, #238 and #239. The motion passed unanimously.

BRIF #445	Filmtec Corporation (Dupont) AWT Membranes	\$81,000.00
BRIF #446	Rettew Aeration Line Improvement Project	\$13,538.00
BRIF #447	Rettew Solar Phase II Project	\$1,482.50
BRIF #448	Rettew Sludge Storage Tank Mixer Project	\$4,500.00
BRIF #449	BI LO Supply Greenbriar Project	\$777.18
BRIF #450	Site Specific Design, Inc. Greenbriar Project	\$17,974.00

BRIF #451	Ducken Tree Farm, LLC. Greenbriar Project Topsoil	\$3,532.00
BRIF #452	4-M Construction Services Sludge Storage- Pay App. No. 4	\$12,207.50
BRIF #453	Stelco, Inc. Sludge Storage- Pay App. No. 2	\$4,166.24
TOTAL BRIF		\$139,177.42

**BRIF
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve BRIF #445, #446, #447, #448, #449, #450, #451, #452 and #453. The motion passed unanimously.

Revenue Fund #172	Debt Service, Operation and Maintenance Expenses	\$1,000,000.00
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TOTAL REVENUE FUND **\$1,000,000.00**

**Revenue Fund
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve the Revenue Fund #172. The motion passed unanimously.

Shiloh Road Condemnation

Parcel 19-002B,065-,0000- at Shiloh Road may need to be condemned if necessary. All other easements have been obtained.

**Shiloh Road
Condemnation
Approved**

A motion was made by Mr. Dietz, seconded by Mr. Auman, to approve condemnation of parcel 19-002B,065-,0000- at Shiloh Road. The motion passed unanimously.

6. Reports of Officers

6.1 SCBWA Liaison

None.

6.2 Financial Report

The different cost centers of the YTD budget report for the period ending September 30, 2020 was reviewed with the Board by Jason Brown.

6.3 Chairman's Report

None.

6.4 Plant Superintendent's Report

Compost & Septage Operations Report

The following comments are as presented to the Board in the written report prepared by Art Brant, Plant Superintendent.

COMPOST PRODUCTION AND DISTRIBUTION

	<u>Apr. 2020</u>	<u>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>
Production	987 cu/yds.	988 cu/yds.	1,213 cu/yds.	1,118 cu/yds.	866 cu/yds.	1,029 cu/yds.
YTD. Production	4,328 cu/yds.	5,316 cu/yds.	6,529 cu/yds.	7,647 cu/yds.	8,513 cu/yds.	9,542 cu/yds.
Distribution	1,703 cu/yds.	948 cu/yds.	1,164 cu/yds.	669 cu/yds.	656 cu/yds.	1,373 cu/yds.
YTD. Distribution	3,598 cu/yds.	4,546 cu/yds.	5,710 cu/yds.	6,379 cu/yds.	7,035 cu/yds.	8,408 cu/yds.
Immediate Sale	3,006 cu/yds.	3,019 cu/yds.	2,841 cu/yds.	3,387 cu/yds.	3,850 cu/yds.	2,824 cu/yds.
Currently in Storage	3,993 cu/yds.	4,007 cu/yds.	4,054 cu/yds.	4,505 cu/yds.	4,716 cu/yds.	3,853 cu/yds.

SEPTAGE OPERATIONS

	<u>Apr. 2020</u>	<u>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>
Res./Comm.	10,250 gals.	11,550 gals.	23,425 gals.	69,373 gals.	68,347 gals.	68,921 gals.
CH/Potter	9,011.37 lbs/solids	10,045.53 lbs/solids	4,174.17 lbs/solids	4,036.56 lbs/solids	3,932.31 lbs/solids	3,448.91 lbs/solids
Port Matilda	2,768.88 lbs/solids	1,150.92 lbs/solids	1,417.80 lbs/solids	1,000.80 lbs/solids	617.16 lbs/solids	1,451.16 lbs/solids
Huston Twp.	467.04 lbs/solids	683.88 lbs/solids	517.08 lbs/solids	433.68 lbs/solids	567.12 lbs/solids	550.44 lbs/solids
Total Flow	101,250 gals.	104,550 gals.	75,925 gals.	123,373 gals.	106,347 gals.	112,921 gals.

Plant Operation

The treatment plant is operating well with no exceptions for the month of September 2020. The 12-month rolling average flow for September was 3.08mgd with the average for the month being 3.09mgd. The average monthly **influent** flow was 5.14mgd.

Treatment units online are as follows: primary clarifiers #1, #5 and #6; aeration basins #1 and #3; secondary; clarifiers #1, #2, and #3; all eight tertiary filters are online.

Below is the chart for Reuse Distribution and Temperature Data:

	Sep.-20	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	21,000	165,000		
Centre Hills	4,794,000	29,810,000	Sep.-20	Sep.-20
Cintas	494,000	4,498,000	71.9	71.1
Red Line	359,000	3,280,000		
UAJA Wetland	2,010,000	23,034,000		
GDK Vault	28,041,000	334,410,000		
Kissingers	1,444,000	16,187,000		
Stewarts/M.C.	4,600	52,800		
TOTAL	37,167,600	411,436,800		

Plant Maintenance

- Installed non-potable water pump.
- Changed out Landia mixer AM504.
- Replaced well pump, expansion tank and pressure switch at the Main Station.
- Replaced/repared Headworks screening unit drive and auger.
- Patched and started painting #4 secondary tank.
- Replaced hydraulic lines on Composter #1 and #2.
- Replaced shaft and bearings on Knight mixer.
- Repaired Bay 4 water lines.
- Installed Centrifuge Feed Pump #2.
- Performed several CIP’s on RO units.
- Installed emergency eye wash and shower in AWT.
- Installed all-thread restraints on AWT Feed Pump manifold.

6.5 Collection System Superintendent’s Report

The following comments are as presented to the Board in the written report prepared by Mark Harter, Collection System Superintendent.

Mainline Maintenance:

New Construction – Greenbriar – Installed (1,690 ft) of lateral pipe – (12) homes hooked up to new system.

Harris Reuse Project – Installed (1,994 ft) of 12” main.

Casting Repairs – (1).

Equipment maintenance.

Lift Station Maintenance:

Replaced low fuel switch on generator at Outer Dr. station.

Repaired damaged wires on Kaywood generator.

Cleaned (9) lift station wet wells.

Routine Maintenance.

Next Month Projects:

Continue Greenbriar project.

Continue Harris Reuse project.

Cleaning wet wells.

Install new laterals at Branch Rd./ Torrey Ln. and Cardinal Ln.

Inspection:

Final As-Builts Approved:

Grays Woods Planned Community Lot 46A & 46B

Mainline Construction:

- a. Harner Farms – Started Construction

New Connections:

a. Single-Family Residential	16	c. Commercial	1
b. Multi-Family Residential	27	d. Non-Residential	0

TOTAL 44

PA One-Calls Responded to 9/1-30/20: 333

6.6 Engineer's Report

The following comments are as presented to the Board in the written report prepared by the Consulting Engineer.

Consulting Engineer Services

- Continued to provide assistance with the development of 2021 budget items for capital projects.

Odor Control System Upgrades (R001178.0597)

- Contract No. 17-04: Electrical Construction (Hayden Power Group) has been completing punch list items.
- Contract No. 17-03: Responses to the complaint are being coordinated.
- BIOREM (biofilter manufacturer) has been working to complete the punch list items associated with their scope of supply under Contract No. 17-03.
- Based on two sets of samples, the biofilter system demonstrated an average odor removal of 90%.
- There are no applications for payment.

Shiloh Road Pump Station Upgrades (R001178.0632)

- All permits have been issued.

Extension of Beneficial Reuse Water to Harris Township (R001178.0637)

- Alignment stake-out is being coordinated with the UAJA construction crew.
- Contract 2020-02 (Ligonier) has completed the conventional bore crossing of SR 0322 near the Centre Hills Booster Station. They are waiting for pipe delivery, which is anticipated for late November. Pipe production delays were reportedly a result of hurricanes in the Gulf Region.
- Contract 2020-03 (HRI) completed all crossings including restoration (mill and overlay). Substantial completion was issued and the Contractor is working to complete punch list items.
- Contract 2020-03 submitted two Change Proposals:
 - **Change Proposal No. 1:** requested an increase in the Contract Price of \$33,880.48 for work around the sewer line and within Spring Creek. HRG is working with the UAJA staff to evaluate and negotiate this Change Proposal.
 - **Change Proposal No. 2:** requested an increase in the Contract Price of \$6,861.06 for work around the water line at the SR 0322 crossing.
- Substantial Completion Dates:
 - Contract 2020-02 October 21, 2020

- Contract 2020-03 Substantially Complete

Applications for Payment are summarized in the following table.

Applications for Payment						
Contract No.	Application for Payment No.	Amount Due	Current Contract Price	Total Completed and Stored	% Monetary Complete	Balance to Finish Plus Retainage
2020-02	2	\$141,475.50	\$303,000.00	\$180,450.00	59.5%	\$131,572.50
2020-03	2	\$179,715.00	\$366,000.00	\$366,000.00	100%	\$54,750.00

Scott Road Pump Station and Bristol Interceptor – Act 537 Plan Special Study (R001178.0661)

- The draft study has been submitted to the PA DEP and is pending review.
- A field visit was conducted with UAJA Collection System staff to review the proposed pump station site layout and to establish the general alignment to set survey boundaries. Deeds and land records have been compiled along with road right-of-way mapping. Field survey is anticipated to commence within the next several days.

Meeks Lane Pump Station – Act 537 Plan Special Study (R001178.0663)

- DCNR reviewed the survey completed by Wilson Ecological Consulting and has determined that no impacts are likely. No further coordination is needed; however, the DCNR did provide a list of recommended actions that will be considered for incorporated into the design and specifications.
- The Special Study has been updated and will be re-submitted to the Authority staff for review.

Beneficial Reuse Service Area Designation – Act 537 Plan Special Study (R001178.0666)

- Completion of the Special Study has been paused while a Risk Assessment is conducted.

Entry Road Stormwater Improvements Stud – (R001178.0681)

- A proposal to complete the design of the entry road and storm water improvements is being prepared.

Developer Plan Reviews:

- The Developer’s design drawings for Patton Crossing Phase 01 were recommended to Staff on September 30, 2020 (1178.0680).
- The Developer’s as-built drawings for Gray's Woods Lots 46A & 46B were recommended to Staff on October 1, 2020 (1178.0685).
- The Contractor’s (GOH/Hawbaker Eng) as-built drawings for sanitary replacements associated with the PDOT work in North Atherton St were received and are under review on October 12, 2020 (1178.0686).

6.7 Construction Report

ENR/AWT Upgrade Project (094612009)

- The contractor for Contract UAJA 2017-06 (HRI) is in the process of completing all punchlist and warranty items. The Authority will also complete some of the items that the Contractor has not diligently pursued utilizing retainage.

Sludge Storage Tank Mixer (094612034)

- 4-M Construction Company and Stelco, Inc. continue work for the installation of the new mixer. The remaining electrical equipment will arrive and be installed this month. Application for Payment No.4 has been submitted by 4-M Construction Company (Contract No. 2020-01) and we are recommending payment in the amount of \$12,207.50. This application includes the initial removal of the Continental aeration blower for repair. Application for Payment No. 2 has been submitted by Stelco, Inc. (Contract 2020-05) and we are recommending payment in the amount of \$4,166.24.

Payment Requests To Date						
Contract Number	Application for Payment #	Current Payment Due	Contract Price To Date incl/CO	Total Work To Date	% Monetarily Complete	Balance of Contract Amount
2020-01	4	\$12,207.50	\$68,600.00	\$49,550.00	72.23%	\$21,527.50
2020-05	2	\$4,166.24	\$27,750.00	\$15,612.75	56.26%	\$13,698.53
		\$16,373.74	\$96,350.00	\$65,162.75	67.63%	\$31,187.25

Aeration System Improvements (094612035)

- RETTEW is finalizing the design of the Aeration System Improvements to replace leaking air lines for the Biological System. We have presented the draft bid documents and are incorporating Staff comments. We are also incorporating two other smaller projects into this contract: replacement of existing alum mixers and additional upgrades to plant lighting. This project is anticipated to go out to bid in November.

WWTP NPDES Permit – Phosphorus Study (094612027)

- A revised Plan of Study has been approved by the PA DEP and includes continuous monitoring of Spring Creek for part of the year to determine the level of any impairment during the growing period (March – November), prior to undertaking an intensive study during the critical high-temp, low-flow period. Installation of the stream monitoring instruments will begin later this year.

Ozone Disinfection for Effluent (094612023)

- We are finalizing the preliminary design and Water Quality Management Permit application for submission to the PA DEP by the end of this month for replacement of the existing UV system with new ozone disinfection. We conducted a design work session with Staff that resulted in a number of improvements and modifications to the proposed improvements for reliability and future flexibility.

Anaerobic Digestion Project (094612026)

- RETTEW has prepared a proposal for the Preliminary Design and Permitting of the Biosolids Improvements.

High Voltage Switchgear and Cable Replacement

- A recent inspection by the manufacturer has revealed a number of components that reached the end of life for the existing high voltage switchgear that feeds the Spring Creek Pollution Control Facility. These facilities were constructed in 1994 and very few modifications have occurred over the years and many components are now obsolete and unable to be readily replaced. We have begun the design of replacement gear, accounting for future expansion, as well as the replacement of a portion of the plant's underground electrical distribution system that dates from a similar period (~26 yrs. old).

Modifications to GD Kissinger Meadow Stream Augmentation

- We anticipate upcoming changes to the Authority's NPDES permit for the discharge of beneficial reuse water to Slab Cabin Run. The changes will require the Authority to modulate the flows to the stream via SCADA, to avoid abrupt changes in stream flow. Additionally, we anticipate essentially a non-detect chlorine limit which will require de-chlorination prior to stream discharge. We are working with staff to design, permit, and implement these modifications.

Nutrient Credit Offsets – Solar Installation and Stormwater Offsets (094612028)

- A meeting was held with the EPA to review the proposal for nutrient credit offsets related to reductions in nitrogen emissions in the air as a result of increased solar energy usage. To assist the PA DEP with how to handle this type of nutrient offset, we are working with the Authority to draft a letter to the DEP Secretary, along with suggested draft language for future NPDES permits.

Solar System- Phase II

- We anticipate installation of the panels to begin in November with steady construction through February on the Phase II Array.

Solar Phase II Demo & Fencing (094612040)

- Notice to proceed was issued Monday, October 5th. The contractor has cleared most of the trees in preparation for the demolition of the abandoned house and barn.

6.8 Executive Director's Report

Slab Cabin Run DEP Study

DEP has been conducting a detailed study of Slab Cabin Run which is for two years. It will be interesting to see the data that they get as Slab Cabin Run is close to being a dry stream at the time being. If we would shut off our water, there would be no fish in the stream. Data has been shared with Cory and they asked questions specifically to times when the temperature in the stream has changed by two degrees or more in a single hour. When looking into this, it has been found that all temperature change events all happened on days that it rained. Stay tuned for more updates.

Projections

A spreadsheet has been created that shows revenues coming in, reductions in operating expenses, etc. When adding the capital projects into this spreadsheet it shows an extremely good picture. It shows a reduction in operating expenses of just under one million dollars a year and a projection of additional revenue of just over one million dollars a year.

7 Other Business

A motion was made by Mr. Dietz and second by Mr. Derr to break for an executive session at 4:49 pm.

8 Adjournment

The meeting came out of executive session and was adjourned at 5:10 p.m. via motion. Mr. Dietz moved, seconded by Mr. Auman. Motion passed.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary

DRAFT

UNIVERSITY AREA JOINT AUTHORITY

RESOLUTION NO. 20-02

AUTHORIZING THE ISSUANCE OF SEWER REVENUE BONDS—SERIES A OF 2020 OF THIS AUTHORITY, IN THE AGGREGATE PRINCIPAL AMOUNT NOT TO EXCEED \$10,000,000, ISSUED IN ONE OR MORE SERIES, SPECIFYING THE SECURITY THEREFORE, PURSUANT TO PROVISIONS OF A TWENTIETH SUPPLEMENTAL INDENTURE FOR THE PURPOSE OF PROVIDING FUNDS FOR IMPROVEMENT PROJECTS CONSISTING OF THE DESIGN, ACQUISITION AND CONSTRUCTION OF ALTERATIONS, RENOVATIONS AND IMPROVEMENTS TO ITS FACILITIES AS HEREIN DESCRIBED, CAPITALIZED INTEREST AND TO PAY ALL RELATED COSTS AND EXPENSES, INCLUDING COSTS AND EXPENSES OF FINANCING SAID PROJECTS; AUTHORIZING THE APPROVAL OF A PROPOSAL FOR THE PURCHASE OF THE BONDS; AUTHORIZING THE EXECUTION AND DELIVERY OF A TWENTIETH SUPPLEMENTAL INDENTURE TO THE TRUSTEE; APPROVING THE SUBSTANTIAL FORM, TERMS AND CONDITIONS OF SAID TWENTIETH SUPPLEMENTAL INDENTURE; APPROVING AN OFFICIAL STATEMENT; AUTHORIZING AND DIRECTING PROPER OFFICERS OF THE AUTHORITY TO EXECUTE AND DELIVER SUCH DOCUMENTS AND DO SUCH OTHER THINGS AS MAY BE NECESSARY TO ISSUE THE BONDS; APPROVING AN UNDERTAKING FOR CONTINUING DISCLOSURE; AUTHORIZING THE PURCHASE OF BOND INSURANCE IF DEEMED IN THE BEST INTEREST OF THIS AUTHORITY; AUTHORIZING THE EXECUTION OF SAID BONDS; PROVIDING FOR THE AUTHENTICATION AND DELIVERY THEREOF BY THE TRUSTEE AND THE DISPOSITION OF THE PROCEEDS TO BE RECEIVED FROM THE SALE THEREOF.

WHEREAS, University Area Joint Authority (the “Authority”) is a municipal authority organized and existing under the Pennsylvania Municipality Authorities Act, 53 Pa. C.S. Ch. 56, (the “Act”), enacted by the General Assembly of the Commonwealth of Pennsylvania (the “Commonwealth”); and

WHEREAS, This Authority, pursuant to powers vested in it by law, heretofore acquired and constructed complete wastewater collection systems and a complete wastewater treatment and disposal system for rendering wastewater collection, transportation, treatment and disposal service for certain portions of the Townships of College, Ferguson, Harris and Patton and the Borough of State College, all located in Centre County, Pennsylvania, all of which facilities, together with all appurtenant facilities and properties which this Authority heretofore has acquired or constructed or hereafter may acquire or construct in connection therewith, including all property, real, personal and mixed, rights, powers, licenses, easements, right of way, privileges, franchises and other property or interests in property of whatsoever nature used or useful in connection with such facilities and together with all additions, extensions, alterations and improvements thereto which may be made or acquired, from time to time, are referred to herein as the “Sewage Disposal System”; and

WHEREAS, This Authority heretofore entered into a Trust Indenture, dated as of November 1, 1993 (the “Original Indenture”), with The Peoples National Bank of Central Pennsylvania, as trustee, under which Original Indenture U. S. Bank National Association (the “Trustee”) is successor trustee, and under which Original Indenture, as supplemented, this Authority assigned and transferred to and pledged with the trustee under the Original Indenture, as supplemented, its successors and assigns, to the extent provided therein, all “Receipts and Revenues from the Sewage

Disposal System”, as such phrase is defined in the Original Indenture, as supplemented, as security; and

WHEREAS, This Authority has determined to undertake various capital projects related to the Sewage Disposal System and to provide funds for the design, acquisition and construction of alterations, renovations and improvements to its facilities including, inter alia, a new odor control system, renovations of the tertiary filters and upgrade to denitrification filters, increase advanced water treatment capacity and extending the beneficial reuse water transmission main to Harris Township, Centre County, Pennsylvania, and to provide for payment of all costs and expenses of financing, which undertakings collectively are referred to herein as the “2020 Improvement Projects”; and

WHEREAS, This Authority has determined to authorize for issuance sewer revenue bonds, in a maximum aggregate principal amount to not exceed Ten Million Dollars (\$10,000,000), to be issued in one or more series to be designated as Sewer Revenue Bonds – Series A of 2020, to be dated as of the delivery (“the Bonds”), with proceeds from the sale thereof to be used for and toward payment of costs and expenses of the 2020 Improvement Projects; and

WHEREAS, The Bonds will be issued as a series of Additional Bonds, as defined in the Original Indenture, under the Original Indenture, as supplemented by

a First Supplemental Indenture, dated as of August 15, 2001 (the “First Supplemental Indenture”), by a Second Supplemental Indenture, dated as of September 15, 2003 (the “Second Supplemental Indenture”), by a Third Supplemental Indenture, dated as of December 1, 2003 (the “Third Supplemental Indenture”), by a Fourth Supplemental Indenture, dated as of December 1, 2005 (the “Fourth Supplemental Indenture”), by a Fifth Supplemental Indenture, dated as of December 15, 2005 (the “Fifth Supplemental Indenture”), by a Sixth Supplemental Indenture, dated as of December 15, 2006 (the “Sixth Supplemental Indenture”), each between this Authority and Omega Bank, N.A., predecessor to the Trustee, as trustee, by a Seventh Supplemental Indenture, dated as of June 1, 2010, between this Authority and First National Trust Company, predecessor to the Trustee, as trustee (the “Seventh Supplemental Indenture”), by an Eighth Supplemental Indenture, dated as of December 1, 2010 (the “Eighth Supplemental Indenture”), by a Ninth Supplemental Indenture, dated as of November 1, 2011 (the “Ninth Supplemental Indenture”), by a Tenth Supplemental Indenture, dated as of December 22, 2011 (the “Tenth Supplemental Indenture”), by an Eleventh Supplemental Indenture, dated as of August 22, 2012 (the “Eleventh Supplemental Indenture”), and by a Twelfth Supplemental Indenture, dated as of October 30, 2014 (the “Twelfth Supplemental Indenture”), as further supplemented by a Thirteenth Supplemental Indenture, dated as of March 3, 2015 (the “Thirteenth Supplemental Indenture”) as further supplemented by a Fourteenth Supplemental Indenture, dated as of March 7, 2016 (the “Fourteenth Supplemental Indenture”), as further supplemented by a Fifteenth

Supplemental Indenture, dated as of March 20, 2017 (the “Fifteenth Supplemental Indenture”), as further supplemented by a Sixteenth Supplemental Indenture, dated as of August 23, 2017 (the “Sixteenth Supplemental indenture”), as further to be supplemented by a Seventeenth Supplemental Indenture between the Authority, dated as of November 1, 2017 (the “Seventeenth Supplemental Indenture”), as further supplemented by an Eighteenth Supplemental Indenture dated as of April 19, 2018 (the “Eighteenth Supplemental Indenture”), as further supplemented by an Nineteenth Supplemental Indenture dated as of February 24, 2020 (the “Nineteenth Supplemental Indenture”) and by the Twentieth Supplemental Indenture as between the Authority and the Trustee, to be dated as of the date of delivery of the Bonds, and together with the Original Indenture, the First Supplemental Indenture, the Second Supplemental Indenture, the Third Supplemental Indenture, the Fourth Supplemental Indenture, the Fifth Supplemental Indenture, the Sixth Supplement Indenture, the Seventh Supplemental Indenture, the Eighth Supplemental Indenture, the Ninth Supplemental Indenture, the Tenth Supplemental Indenture, the Eleventh Supplemental Indenture, the Twelfth Supplemental Indenture, the Thirteenth Supplemental Indenture, the Fourteenth Supplemental Indenture, the Fifteenth Supplemental Indenture, the Sixteenth Supplemental Indenture, the Seventeenth Supplemental Indenture, the Eighteenth Supplemental Indenture, the Nineteenth Supplemental Indenture and the Twentieth Supplemental Indenture collectively, the “Indenture”, between this Authority and the Trustee, as trustee; and

WHEREAS, The Original Indenture provides, *inter alia*, that this Authority, under certain conditions, may issue Additional Bonds thereunder and under indentures supplemental thereto for the purpose of paying costs and expenses of the undertakings of this Authority contemplated by the 2020 Improvement Projects; and

WHEREAS, the proceeds from the sale and issuance of the Bonds are to be used, together with money and funds otherwise available for the purposes, if any, for and toward payment of all costs and expenses of the 2020 Improvement Projects, including the payment of the costs and expenses associated with the issuance of the Bonds; and

WHEREAS, the Bonds will be issued under and secured by a Twentieth Supplemental Indenture to be approved by this Authority at such time as the final terms and conditions of the Bonds are determined; and

WHEREAS,***** (the “Underwriter”) will hereafter present to this Authority an agreement for the purchase of the Bonds (the “Bond Purchase Agreement”); and

WHEREAS, this Authority has determined to authorize acceptance hereafter of the Bond Purchase Agreement by proper officers of this Authority, when finalized

and in acceptable form to this Authority as provided herein, and to issue and sell the Bonds to the Underwriter; and

WHEREAS, this Authority has determined to authorize the acceptance of a commitment for the issuance of a policy of municipal bond insurance for the Bonds, if deemed necessary and in the best financial interest of this Authority; and

WHEREAS, this Authority has determined to appoint as professional consultants to this Authority the following parties: PFM Financial Advisors LLC, as financial advisor (the “Financial Advisor”) and Mette, Evans & Woodside, Harrisburg, Pennsylvania, as bond counsel with respect to the issuance of the Bonds (“Bond Counsel”), and further, to direct and authorize the aforementioned professional consultants and the Underwriter to take all action necessary and proper for this Authority to complete issuance of the Bonds; and

WHEREAS, this Authority further desires to take all necessary action authorizing the negotiation, acceptance, execution, attestation and delivery by its Chairman or Vice Chairman and Secretary or Assistant Secretary, as applicable, of all documents and instruments required in connection with the issuance of the Bonds, including but not limited to the Bond Purchase Agreement, a Non-Arbitrage Certificate, a Preliminary Official Statement and an Official Statement in connection

with the offering of the Bonds, a Federal Form 8038-G, a Certificate of No Litigation, and a Continuing Disclosure Certificate (hereinafter defined).

THEREFORE, BE IT RESOLVED by the Board of this Authority, as follows:

1. To finance the 2020 Improvement Projects, this Authority authorizes and approves issuance of the Bonds, constituting a series of Additional Bonds under the Original Indenture, to be issued under the Original Indenture, as supplemented by the First Supplemental Indenture, the Second Supplemental Indenture, the Third Supplemental Indenture, the Fourth Supplemental Indenture, the Fifth Supplemental Indenture, the Sixth Supplemental Indenture, the Seventh Supplemental Indenture, the Eighth Supplemental Indenture, the Ninth Supplemental Indenture, the Tenth Supplemental Indenture, the Eleventh Supplemental Indenture, the Twelfth Supplemental Indenture, the Thirteenth Supplemental Indenture, the Fourteenth Supplemental Indenture, the Fifteenth Supplemental Indenture, the Sixteenth Supplemental Indenture, the Seventeenth Supplemental Indenture, the Eighteenth Supplemental Indenture, the Nineteenth Supplemental Indenture and the Twentieth Supplemental Indenture (collectively the “Indenture”).

The Bonds shall be secured by the Indenture, to the extent and in the manner provided in the Indenture, shall be in the maximum aggregate principal

amount not to exceed \$10,000,000, to be issued in one or more series shall be in the form, of the denominations and with the maturity date(s) and shall bear the interest rate(s), be subject to the redemption provisions, and contain such other terms and provisions as are provided in the Twentieth Supplemental Indenture.

The Bonds shall be issued under, in accordance with and secured by the Indenture, and shall be issued for the purposes set forth in the Twentieth Supplemental Indenture and in conjunction therewith, this Authority confirms the assignment, transfer and pledge with the Trustee under the Indenture of all Receipts and Revenues from the Sewage Disposal System.

2. This Authority, pursuant to Section 3.04 of the Original Indenture, exercises its right to issue the Bonds as Additional Bonds for purposes of paying Costs, Costs of Acquisition or Costs of Construction of Capital Additions and hereby approves and determines that it shall undertake the 2020 Improvement Projects and take all necessary and appropriate action related thereto.

The Recitals of this Resolution, including all of the defined terms therein, are incorporated in and made a part hereof as if set forth at length.

3. The Secretary or Assistant Secretary of this Authority is directed to notify the Trustee of the action taken and authorized in this Resolution by

delivering to the Trustee a copy of this Resolution, duly certified by the Secretary or Assistant Secretary under the corporate seal of this Authority.

4. U. S. Bank National Association, Trustee, or any other duly authorized and approved successor Trustee under the Indenture (the “Trustee”), is hereby appointed trustee, registrar and paying agent under the Twentieth Supplemental Indenture with respect to the Bonds.

5. The form of the Twentieth Supplemental Indenture relating to the Bonds presented at this meeting is hereby approved in substantially the form presented at this meeting, and the Chairman of this Authority, or Vice Chairman in lieu thereof, is hereby authorized and directed to execute, accept and deliver, and (where appropriate), the Secretary or Assistant Secretary of this Authority is hereby authorized and directed to affix the corporate seal of this Authority to, and attest, such Twentieth Supplemental Indenture in substantially such form and upon the terms and condition therein with such changes, insertions and variations therein as the Financial Advisor, Bond Counsel or the Solicitor to this Authority may advise and as such officers of this Authority shall approve, such approval to be conclusively evidenced by their execution thereof.

6. The form of the Bonds contained in the form of the Twentieth Supplemental Indenture submitted to this meeting is hereby approved in substantial

form; the Chairman of this Authority, or Vice Chairman in lieu thereof, is hereby authorized to execute by manual or facsimile signature and delivery, and the Secretary or Assistant Secretary of this Authority is hereby authorized to affix the corporate seal of this Authority or a facsimile thereof to, and to attest by manual or facsimile signature, the Bonds in substantially such form with appropriate changes, insertions and variations as Bond Counsel or the Solicitor to this Authority may advise and as such officers of this Authority shall approve, such approval to be conclusively evidenced by their execution thereof; and the Chairman or Vice Chairman of this Authority is authorized and directed to deliver or cause the delivery of the Bonds to the Trustee for authentication under the Twentieth Supplemental Indenture herein authorized and, when such Bonds have been authenticated, to deliver them or cause them to be delivered to the Underwriter against receipt of the purchase price therefor and to deposit the amount so received with the Trustee as provided in the Twentieth Supplemental Indenture.

7. This Authority hereby authorizes the Executive Director of this Authority to negotiate the final terms and provisions of the Bond Purchase Agreement for the purchase of the Bonds. The Executive Director, after consultation with the Financial Advisor and Bond Counsel, is authorized to approve the overall amount and maturity schedule of the Bonds. The Executive Director of this Authority is authorized to execute and deliver, and the Secretary or Assistant Secretary of this Authority is hereby authorized to affix the corporate seal of this Authority or a

facsimile thereof to, and to attest by manual or facsimile signature, the Bond Purchase Agreement with such terms and provisions as the officers executing the same or Bond Counsel or the Solicitor to this Authority shall approve, such approval to be conclusively evidenced by their execution thereof; provided that, such terms and conditions meet the following: (i) the principal amount of the Bonds to be purchased thereunder shall not exceed \$10,000,000; (ii) the interest rate on the Bonds when applying the true interest cost calculation method shall not exceed 4.000%; (iii) the purchase price for the Bonds, including underwriting discount and net original issue discount or original issue premium, shall not be less than 95% or more than 120% of the aggregate principal amount of the Bonds to be issued and delivered by this Authority; (iv) the underwriter's discount for the Bonds shall not be more than Ten Dollars (\$10.00) per Five Thousand Dollars (\$5,000) principal amount of Bonds to be issued and delivered by this Authority; and (v) the final maturity of the Bonds shall not be later than December 1, 2040. The authorization herein set forth shall terminate at 11:59 p.m. on December 10, 2020, but may be extended at any time prior to the termination date by resolution of the Board of this Authority. The Chairman or Vice Chairman of this Authority is authorized to accept, execute and deliver, and the Secretary or Assistant Secretary is directed to attest and, if appropriate, affix the corporate seal to, all documents, certificates and instruments required by the Bond Purchase Agreement and not otherwise specifically authorized under this Resolution.

8. This Authority covenants to and with purchasers of the Bonds (or any portion thereof intended to be exempt from federal taxation) that it will make no use of the proceeds of such Bonds, or of any other obligations deemed to be part of the same “issue” as any portion of such Bonds under applicable federal tax regulations, that will cause such Bonds to be or become “arbitrage bonds” within the meaning of Section 103(b)(2) and Section 148 of the Internal Revenue Code of 1986, as amended (the “Code”), and the regulations implementing said Sections that duly have been published in the Federal Register or any other regulations implementing said Sections, and this Authority further covenants to comply with all other requirements of the Code if and to the extent applicable to maintain continuously the Federal income tax exemption of interest on such Bond.

9. The Chairman or Vice Chairman of this Authority is hereby authorized to approve a Preliminary Official Statement and a final Preliminary Official Statement with such changes therein as are deemed necessary or appropriate by such officer, Bond Counsel and the Solicitor to this Authority. The distribution of the Preliminary Official Statement in the final form approved as set forth above by the Underwriter to prospective purchasers of the Bonds is hereby authorized. The Chairman or Vice Chairman of this Authority is hereby authorized to execute a final Official Statement in connection with the offering and sale of the Bonds by the Underwriter, with such changes therein as are deemed necessary or appropriate by Bond Counsel and the Solicitor to this Authority, the authorization of changes to be

evidenced by the execution of the Official Statement by the Chairman or Vice Chairman of this Authority. This Authority hereby authorizes the officer approving the final form of the Preliminary Official Statement to designate and certify the Preliminary Official Statement to be a “final official statement” for the purposes of Rule 15c2-12 of the Securities and Exchange Commission under the Securities Exchange Act of 1934 (“Rule 15c2-12”) and to take such other appropriate action as shall be necessary to facilitate compliance by the Underwriter with Rule 15c2-12.

10. In accordance with Rule 15c2-12, this Authority hereby covenants, with and for the benefit of the holders and beneficial owners (which shall include any person or entity that has a pecuniary interest in any of the Bonds) from time to time of the Bonds, to provide to the Municipal Securities Rulemaking Board on an annual basis, the information set forth in that certain continuing disclosure certificate (the “Continuing Disclosure Certificate”) to be executed and delivered by this Authority. The Chairman or Vice Chairman of this Authority is authorized to execute and deliver such Continuing Disclosure Certificate containing such provisions as are deemed necessary or appropriate by counsel to the Underwriter, Bond Counsel and the Solicitor to this Authority and as are approved by either such officer executing such document, the approval of such Continuing Disclosure Certificate to be evidenced by the execution thereof by such officer of this Authority.

11. This Authority hereby authorizes, if it is deemed necessary and in the best financial interest of this Authority by the Financial Advisor, the purchase and acceptance of an insurance policy from a municipal bond insurance company (the “Bond Insurer”) insuring the Bonds and directs that all necessary actions be taken to issue a policy of insurance on the Bonds (the “Insurance Commitment”). The appropriate premium shall be promptly paid at the closing for the Bonds.

If it is determined to be in the best financial interest of this Authority as aforesaid, the Chairman or Vice Chairman is authorized and directed to execute the Insurance Commitment and to deliver an executed counterpart of the Insurance Commitment to the Bond Insurer, with such terms therein as the Financial Advisor, Bond Counsel and the Solicitor to this Authority have advised are acceptable to this Authority.

12. The Chairman or Vice Chairman of this Authority is authorized to review and approve, and thereafter execute and deliver, and the Secretary or Assistant Secretary is directed, as appropriate, to attest, a Non-Arbitrage Certificate, a Federal Form 8038-G, a Certificate of No Litigation, a Letter of Representations (if necessary), in connection with the registration of the Bonds in book-entry form, and any other required document, instrument or certificate in connection with the issuance of the Bonds.

13. Proper officers of this Authority are authorized and directed to proceed promptly with the undertakings herein contemplated and deemed to be necessary or appropriate and to take any and all actions necessary or desirable to effect, among other things, the issuance and sale of the Bonds, and to execute and to deliver such other documents and to do such other things as may be necessary to carry out the Twentieth Supplemental Indenture, the Bond Purchase Agreement, and the Insurance Commitment (if determined to be in the best interest of this Authority), including, but not limited to, such acts and documents as may be necessary to comply with requirements of Sections 103 and 141 through 150 of the Internal Revenue Code of 1986, as amended, and with any regulations applicable thereto.

14. This Authority hereby determines for purposes of the Internal Revenue Code of 1986, as amended, that each of the Series of 2020 Bonds shall be and hereby is designated as a “qualified tax exempt obligation” to the extent the Series of 2020 Bonds are acquired by any “financial institution”, as defined in Section 265(b)(5) of the Internal Revenue Code of 1986, as amended, and the applicable regulations and rulings thereunder and corresponding provisions of any Federal tax laws from time to time proposed or enacted and at the time applicable or proposed to be applicable.

15. In connection with the issuance of the Bonds, this Authority hereby appoints as Financial Advisor the firm of PFM Financial Advisors LLC, as Bond Counsel the firm of Mette, Evans & Woodside, and the firm of

as the Underwriter. If this Authority does not close on the Bonds, no fees shall be paid to the Financial Advisor, Bond Counsel or Underwriter, except for the reimbursement of any costs and expenses incurred by said parties and other such items as set forth in the Bond Purchase Agreement.

16. Herbert, Rowland & Grubic, Inc., Consulting Engineers, and Richard L. Campbell, Esquire, Counsel of this Authority, each are authorized and requested to make and deliver such documents as are required by the Original Indenture, as supplemented, in connection with issuance of the Bonds.

17. Proper officers of this Authority are authorized and directed to proceed with the 2020 Improvement Projects with all due dispatch and diligence.

18. The Chairman or Vice Chairman and Secretary or Assistant Secretary of this Authority are authorized and directed to approve for payment by the Trustee of bills relating to costs and expenses of issuance of the Bonds, subject to review by the Executive Director of this Authority.

19. Proper officers of this Authority are authorized and directed to do such further acts and things as may be necessary or expedient in order to carry out the terms of the Indenture and all related documents and the intent and purpose of this Resolution.

20. This Authority approves, ratifies, and confirms all action heretofore taken by officers and other persons on behalf of this Authority in connection with the undertakings herein contemplated.

21. This Resolution shall become effective immediately.

22. In the event any provision, section, sentence, clause or part of this Resolution shall be held to be invalid, such invalidity shall not affect or impair any remaining provision, section, sentence, clause or part of this Resolution, it being the intent of this Authority that such remainder shall be and shall remain in full force and effect.

23. All resolutions or parts of resolutions inconsistent herewith expressly are repealed.

DULY ADOPTED by the Board of UNIVERSITY AREA JOINT AUTHORITY,
Centre County, Pennsylvania, this 18th day of November, 2020.

Attest:

UNIVERSITY AREA JOINT AUTHORITY

Secretary

BY _____
Chairman

(SEAL)

REVENUES - DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 Budget	2020 Projected Actuals	2021 Budget
UAJA Revenue	1040410-4101	\$10,324,496.00	\$10,268,772.38	\$10,324,932.00
Boro Revenue	1040410-4102	\$4,018,120.00	\$3,179,150.28	\$3,800,000.00
PSU Revenue	1040410-4104	\$244,508.00	\$153,343.34	\$220,000.00
PGM Revenue	1040410-4103	\$379,200.00	\$332,930.30	\$379,000.00
Surcharge Revenue	1040410-4105	\$186,368.00	\$106,600.00	\$150,000.00
Non-Taxable Compost Revenue	1040420-4201-N5001	\$45,000.00	\$33,184.83	\$45,000.00
Taxable Compost Revenue	1040420-4201-N5002	\$6,000.00	\$5,476.35	\$6,000.00
Sludge Disposal	1040420-4203	\$23,000.00	\$40,899.71	\$23,000.00
Beneficial Reuse Water	1040425-4251	\$25,000.00	\$18,984.90	\$25,000.00
Boro Maintenance	1040430-4301	\$56,631.00	\$90,640.37	\$65,000.00
Connection Fee	1040440-4401	\$22,050.00	\$66,865.75	\$20,250.00
Tap Fee - Plant	1040440-4402	\$1,196,800.00	\$3,160,690.91	\$846,400.00
Tap Fee - Ghaner	1040440-4403	\$3,010.00	\$18,534.75	\$18,550.00
Tap Fee - Rt. 26	1040440-4411	\$14,125.00	\$7,514.50	\$109,850.00
Tap Fee - Circleville	1040440-4412	\$40,800.00	\$233,852.60	\$79,306.00
Tap Fee - Valley Vista	1040440-4413	\$5,850.00	\$28,005.01	\$28,495.00
Tap Fee - PGM Collection	1040440-4404	\$6,642.00	\$2,944.62	\$4,428.00
IPP User Fee	1040440-4405	\$5,700.00	\$4,750.00	\$4,750.00
Water Qual. Mgmt. Permit	1040440-4409	\$500.00	\$100.00	\$500.00
Repair Permits	1040440-4410	\$1,550.00	\$1,230.25	\$1,550.00
Inspection Fees	1040450-4407	\$40,000.00	\$32,722.87	\$40,000.00
Equipment Rental	1040451-4501	\$1,000.00	\$0.00	\$0.00
Assesment	1040451-4502	\$1,000.00	\$0.00	\$0.00
Retiree Cobra	1040451-4503	\$6,300.00	\$18,991.64	\$22,913.68
Insurance Claims	1040451-4504	\$0.00	\$0.00	\$0.00
Sale of Assets	1040451-4508	\$0.00	\$0.00	\$250,000.00
Employee Share Health	1040451-4514	\$119,058.00	\$0.00	remove/ will explain
Grants Received	1040460-4602	\$0.00	\$0.00	\$0.00
Interest - General Checkbook	1040470-4701	\$10.00	\$0.00	\$10.00
Interest Sweep Checking	1040470-4717	\$1,380.00	\$817.80	\$1,000.00
Interest - Payroll	1040470-4702	\$400.00	\$203.00	\$400.00
Interest - PLIGIT Checkbook	1040472-4703	\$30.00	\$9.51	\$30.00
Interest - PLIGIT Plus	1040472-4719	\$145.00	\$62.10	\$145.00
Interest - PLIGIT Emmaus	1040472-4711	\$200.00	\$8.15	\$200.00
Interest-93 Debt Service Res.	1040474-4724	\$62,000.00	\$45,286.65	\$50,000.00
Interest- Op. Expense Res.	1040474-4725	\$3,000.00	\$2,191.99	\$2,000.00
Interest-93 Debt Service Fund	1040474-4726	\$4,320.00	\$8,692.53	\$5,000.00
Interest- Revenue Fund	1040474-4727	\$3,975.00	\$704.85	\$3,000.00
Interest - BRIF	1040474-4706	\$45,750.00	\$25,155.57	\$30,000.00
Interest - BRIF/ Emmaus	1040474-4707	\$555.00	\$89.62	\$555.00
Interest - Constr Fund 17	1040474-4731	\$0.00	\$0.00	\$0.00
Interest Constr Fund 18	1040474-4732	\$0.00	\$6,755.42	\$0.00
Maylie Rent	1040480-4902	\$5,400.00	\$3,600.00	\$0.00
Miscellaneous Receipts	1040480-4899	\$50,000.00	\$86,705.39	\$50,000.00
BRIF	1040480-4903	\$0.00	\$0.00	\$0.00
Solar Maintenance	1040480-4909	\$30,000.00	\$30,000.00	\$45,000.00
TOTAL REVENUES		\$16,979,873.00	\$18,016,467.94	\$16,652,264.68

1050050-GENERAL G & A EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1050050-5001	\$263,347.00	\$263,347.00	\$256,417.00
Regular Labor	1050050-5002	\$442,013.00	\$442,013.00	\$355,201.00
Vac,Sick, Etc.	various	included in above	\$71,991.18	included in above
FICA	1050050-5101	\$43,733.00	\$35,698.30	\$37,920.00
Medicare	1050050-5102	\$10,228.00	\$8,348.93	\$8,868.00
UC Tax	1050050-5201	\$19,000.00	\$22,428.00	\$23,000.00
Group Health	1050050-5202	\$118,743.00	\$140,600.10	\$154,661.00
Health Deductible	1050050-5208	\$175,000.00	\$116,976.55	\$175,000.00
Pension	1050050-5203	\$70,536.00	\$56,303.69	\$86,804.00
Retiree Cobra	1050050-5205	\$6,300.00	\$8,586.00	\$10,000.00
Life Insurance	1050050-5207	\$63,500.00	\$66,586.37	\$80,400.00
Office Supplies	1050050-5301	\$15,000.00	\$14,524.29	\$15,000.00
Postage/Shipping	1050050-5302	\$30,000.00	\$28,431.09	\$30,000.00
Janitorial	1050050-5303	\$7,000.00	\$5,958.63	\$7,000.00
Petty Cash	1050050-5307	\$200.00	\$113.78	\$200.00
Advertising	1050050-5401	\$3,000.00	\$3,726.13	\$3,000.00
Audit	1050050-5402	\$22,000.00	\$22,222.56	\$23,000.00
Maylie Property	1050050-5403-6107	\$3,000.00	\$6,864.59	\$0.00
Retainer-Eng.	1050050-5405	\$15,000.00	\$25,062.24	\$20,000.00
Legal	1050050-5406	\$25,000.00	\$96,419.92	\$60,000.00
Insurance-Property	1050050-5408	\$253,000.00	\$261,780.28	\$280,000.00
Outside Services	1050050-5499	\$15,000.00	\$2,586.12	\$15,000.00
O&M Copiers	1050050-5501-1054	\$8,850.00	\$11,722.59	\$5,000.00
Communication	1050050-5601	\$40,000.00	\$32,336.16	\$40,000.00
Training, Sem, Trav.	1050050-5701	\$5,000.00	\$1,575.00	\$5,000.00
Memberships	1050050-5702	\$6,500.00	\$6,203.00	\$6,500.00
Uniforms	1050050-5703	\$18,000.00	\$13,597.83	\$18,000.00
Vaccinations	1050050-5704	\$3,000.00	\$125.00	\$1,500.00
Recruiting	1050050-5705	\$100.00	\$0.00	\$0.00
Employee Relations	1050050-5706	\$1,000.00	\$2,270.18	\$2,500.00
Meal Allowance	1050050-5707	\$500.00	\$21.37	\$500.00
Safety Equipment	1050050-5708	\$7,500.00	\$7,185.94	\$8,000.00
Safety Training	1050050-5709	\$3,000.00	\$0.00	\$3,000.00
Drug/Alcohol Testing	1050050-5710	\$500.00	\$478.80	\$500.00
Flow Boro	1050050-5906	\$0.00	\$0.00	\$0.00
Bank Fees	1050050-6007	\$100.00	\$0.00	\$0.00
Bad Debt	1050050-6008	\$100.00	\$0.00	\$0.00
Water- CTWA	1050050-6015	\$5,000.00	\$5,521.39	\$6,000.00
Garbage	1050050-6017	\$10,000.00	\$9,888.55	\$10,000.00
CNET	1050050-6019	\$8,570.00	\$8,570.00	\$8,656.00
Misc. Expense	1050050-6006	\$1,000.00	\$0.00	\$1,000.00
TOTAL		\$1,719,320.00	\$1,800,064.56	\$1,757,627.00

1050053-G & A INFORMATION TECHNOLOGY EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Internet Service	1050053-IT71	\$5,000.00	\$4,514.29	\$5,000.00
Hardware	1050053-IT72	\$5,000.00	\$10,364.37	\$18,365.00
Software	1050053-IT73	\$60,000.00	\$50,100.93	\$69,900.00
Training	1050053-IT74	\$1,000.00	\$0.00	\$1,000.00
TOTAL		\$71,000.00	\$64,979.59	\$94,265.00
1050054-G & A FLEET/FUEL EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Gen. Vehicle Maint.	1050054-5502	\$45,000.00	\$50,697.54	\$75,000.00
Gasoline	1050054-5603-1006	\$49,500.00	\$23,932.13	\$35,000.00
Diesel Fuel	1050054-5603-1008	\$66,000.00	\$77,486.66	\$87,000.00
TOTAL		\$160,500.00	\$152,116.33	\$197,000.00

1052052-DEBT SERVICE EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
93 Interest	1052052-5801	\$2,261,980.00	\$2,261,980.00	\$2,678,441.00
93 Principal	1052052-5901	\$4,003,000.00	\$4,003,000.00	\$3,865,000.00
Emmaus Interest (variable)	1052052-5802	\$5,000.00	\$5,000.00	\$500.00
Emmaus Principal	1052052-5903	\$90,000.00	\$90,000.00	\$95,000.00
Trustee Fee Emmaus Loan	1052052-6106	\$1,800.00	\$1,800.00	\$2,100.00
Trustee Fee 12	1052052-6120	\$1,778.00	\$1,778.00	\$1,885.63
Trustee Fee 15	1052052-6122	\$1,650.00	\$1,777.88	\$1,885.63
Trustee Fee 16	1052052-6123	\$1,650.00	\$1,650.00	\$1,750.00
Trustee Fee 17	1052052-6124	\$1,650.00	\$1,650.00	\$1,750.00
Trustee Fee 17A	1052052- 6125	\$1,650.00	\$1,650.00	\$1,750.00
Trustee Fee 17B	1052052-6126	\$1,650.00	\$1,650.00	\$2,520.00
Trustee Fee 18	1052052-6127	\$1,650.00	\$1,650.00	\$1,650.00
Trustee Fee 20	1052052-6128	N/A	N/A	\$1,650.00
TOTAL		\$6,373,458.00	\$6,373,585.88	\$6,655,882.26
Total Principal 2020	\$3,960,000			
Total Interest 2020	\$2,678,941			
Total Trustee Fees 2020	\$16,941.26			
Total	\$6,655,882.26			

1060019-LABORATORY EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1060019-5001	\$79,088.00	\$79,088.00	\$82,846.58
Regular Labor	1060019-5002	\$137,233.00	\$137,233.00	\$140,638.21
Vac,Sick,Etc.	various	included in above	\$6,736.48	included in above
Overtime	1060019-5003	\$500.00	\$517.07	\$500.00
FICA	1060019-5101	\$13,442.00	\$13,856.00	\$14,000.00
Medicare	1060019-5102	\$3,144.00	\$3,144.00	\$3,241.00
Group Health	1060019-5202	\$28,692.00	\$37,518.00	\$41,270.00
Pension	1060019-5203	\$14,771.00	\$14,771.00	\$15,317.00
Small Eq./Tools	1060019-5305	\$250.00	\$0.00	\$250.00
Lab Supplies	1060019-5306	\$23,000.00	\$23,193.06	\$22,000.00
Equipment	1060019-5501	\$3,500.00	\$2,413.17	\$3,000.00
TOTAL		\$303,620.00	\$318,469.78	\$323,062.79

1060022-TREATMENT PLANT MAINTENANCE EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1060022-5001	\$36,895.00	\$36,895.00	\$37,815.00
Regular Labor	1060022-5002	\$448,768.00	\$448,768.00	\$462,062.00
Vac,Sick,Etc.	various	included in above	\$28,079.65	included in above
Overtime	1060022-5003	\$4,000.00	\$6,496.98	\$5,000.00
FICA	1060022-5101	\$30,111.00	\$30,111.00	\$31,000.00
Medicare	1060022-5102	\$7,042.00	\$7,042.00	\$7,250.00
Group Health	1060022-5202	\$88,937.00	\$89,615.00	\$98,577.00
Pension	1060022-5203	\$26,128.00	\$26,128.00	\$26,885.00
Supplies	1060022-5304	\$5,500.00	\$13,156.18	\$5,000.00
Small Eq/Tools	1060022-5305	\$14,000.00	\$11,245.76	\$14,000.00
Equip.Maintenance	1060022-5501	\$190,000.00	\$231,705.00	\$190,000.00
SCADA maint	1060022-5501-6174	\$40,000.00	\$79,239.96	\$40,000.00
UV maint	1060022-5501-6175	\$40,000.00	\$41,803.43	\$55,000.00
Bldg/Grnds	1060022-5503	\$40,000.00	\$39,926.07	\$52,000.00
Grit Removal	1060022-5508	\$20,000.00	\$23,774.07	\$22,000.00
Oil & Lubes	1060022-5603	\$15,000.00	\$15,358.56	\$18,000.00
Landscape	1060022-7511	\$35,000.00	\$18,102.31	\$35,000.00
Solar Maintenance	1060022-5501-6283	\$30,000.00	\$978.40	\$21,000.00
TOTAL		\$1,071,381.00	\$1,148,425.37	\$1,120,589.00
1060023-MAIN STATION EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Labor - Main St.	1060023-5002-B5001	included in Maintenance	\$89.15	included in Maintenance
OT - Main St.	1060023-5003-B5001	included in Maintenance	\$20,884.63	included in Maintenance
FICA - Main St.	1060023-5101-B5001	included in Maintenance	\$1,300.42	included in Maintenance
Medicare - Main St.	1060023-5102-B5001	included in Maintenance	\$304.13	included in Maintenance
Group Health - Main St	1060023-5202-B5001	included in Maintenance	\$3,076.29	included in Maintenance
Pension - Main St.	1060023-5203-B5001	included in Maintenance	\$1,038.85	included in Maintenance
O&M - Main St.	1060023-5505-B5001	\$7,500.00	\$36,115.50	\$50,000.00
Power - Main St.	1060023-5602-B5001	\$39,317.00	\$15,818.94	\$39,000.00
TOTAL		\$46,817.00	\$51,934.44	\$89,000.00

1060025-INDUSTRIAL PRETREATMENT PROGRAM EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1060025-5001	\$79,088.00	\$79,088.00	\$81,347.00
Vac, Sick, Etc.	various	included in above	\$1,948.80	included in above
FICA	1060025-5101	\$4,903.00	\$4,903.00	\$5,044.00
Medicare	1060025-5102	\$1,147.00	\$1,147.00	\$1,180.00
Group Health	1060025-5202	\$14,740.00	\$15,602.00	\$17,162.00
Pension	1060025-5203	\$7,909.00	\$7,909.00	\$8,135.00
Small Eq/Tools	1060025-5305	\$200.00	\$0.00	\$150.00
Analysis	1060025-5410	\$3,500.00	\$0.00	\$3,500.00
Eq. Maintenance	1060025-5501	\$500.00	\$0.00	\$500.00
TOTAL		\$111,987.00	\$110,597.80	\$117,018.00
1060028-BENEFICIAL REUSE EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1060028-5001	\$36,895.00	\$36,895.00	\$37,815.00
Vac, Sick, Etc.	various	included in above	\$1,948.80	included in above
FICA	1060028-5101	\$2,287.00	\$2,287.00	\$2,345.00
Medicare	1060028-5102	\$535.00	\$535.00	\$548.00
Group Health	1060028-5202	\$5,398.00	\$7,198.00	\$7,918.00
Pension	1060028-5203	\$3,690.00	\$3,690.00	\$3,782.00
Operational Supplies	1060028-5304	\$15,000.00	\$21,381.25	\$15,000.00
Small Eq/Tools	1060028-5305	\$1,000.00	\$0.00	\$1,000.00
Op. Sup. - Chemicals	1060028-5304-1065	\$325,000.00	\$372,646.14	\$375,000.00
Lab Analysis	1060028-5410	\$15,000.00	\$10,784.54	\$15,000.00
Equip. Maintenance	1060028-5501	\$125,000.00	\$129,270.60	\$125,000.00
Power	1060028-5602-1064	\$200,625.00	\$155,279.88	\$200,000.00
CTWA reimbursement	1060028-5605	\$65,000.00	\$56,506.42	\$65,000.00
TOTAL		\$795,430.00	\$798,422.63	\$848,408.00

1060029-DEWATERING EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1060029-5001	\$36,895.00	\$36,895.00	\$37,815.00
Regular Labor	1060029-5002	\$114,000.00	\$114,000.00	\$134,339.00
Vac,Sick,Etc	various	included in above	\$12,386.13	included in above
Overtime	1060029-5003	\$2,000.00	\$1,701.40	\$2,000.00
FICA	1060029-5101	\$9,479.00	\$9,479.00	\$10,674.00
Medicare	1060029-5102	\$2,217.00	\$2,217.00	\$2,496.00
Group Health	1060029-5202	\$27,412.00	\$22,687.00	\$24,956.00
Pension	1060029-5203	\$9,390.00	\$9,390.00	\$10,498.00
Supplies	1060029-5304	\$500.00	\$333.86	\$500.00
Polymer	1060029-5304-1036	\$53,000.00	\$48,944.00	\$55,000.00
Eq. Maintenance	1060029-5501	\$75,000.00	\$63,573.12	\$125,000.00
Power	1060029-5602-1042	\$72,954.00	\$70,581.74	\$73,000.00
TOTAL		\$402,847.00	\$392,188.25	\$476,278.00
1060030-COMPOST EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1060030-5001	\$36,895.00	\$36,895.00	\$37,815.00
Regular Labor	1060030-5002	\$256,590.00	\$256,590.00	\$258,231.00
Vac,Sick,Etc	various	included in above	\$106,723.92	included in above
Overtime	1060030-5003	\$7,500.00	\$27,159.21	\$10,000.00
FICA	1060030-5101	\$18,661.00	\$18,661.00	\$18,355.00
Medicare	1060030-5102	\$4,365.00	\$4,365.00	\$4,293.00
Group Health	1060030-5202	\$63,102.00	\$75,644.00	\$82,230.00
Pension	1060030-5203	\$16,519.00	\$16,519.00	\$16,693.00
Supplies	1060030-5304	\$1,000.00	\$1,727.52	\$2,000.00
Compost Amendment	1060030-5304-1038	\$120,000.00	\$105,343.98	\$120,000.00
Small Eq/Tools	1060030-5305	\$2,500.00	\$1,147.88	\$2,500.00
Licns/Fees	1060030-5409	\$5,500.00	\$4,782.65	\$5,500.00
Analysis	1060030-5410	\$11,500.00	\$4,037.88	\$11,500.00
Marketing	1060030-5413	\$1,000.00	\$0.00	\$500.00
Eq. Maintenance	1060030-5501	\$50,000.00	\$12,269.85	\$50,000.00
Old Skid Steerer	1060030-5506-1032	\$5,000.00	\$5,515.00	\$5,000.00
Loader Maint.621G	1060030-5506-1033	\$0.00	\$0.00	\$10,000.00
Loader Maint.621E	1060030-5506-1071	\$10,000.00	\$412.90	\$10,000.00
Sweeper Maint.	1060030-5506-1055	\$4,000.00	\$1,423.58	\$4,000.00
Trommel Maint.	1060030-5506-1072	\$7,000.00	\$2,819.76	\$5,000.00
New Skid Steerer	1060030-5506-1062	\$5,000.00	\$5,397.41	\$7,500.00
Power	1060030-5602-1041	\$131,319.00	\$127,047.15	\$131,000.00
Propane/Natural Gas	1060030-5603-1007	\$120,000.00	\$119,911.03	\$120,000.00
Vector Control	1060030-5415	\$5,843.00	\$5,842.59	\$4,887.00
TOTAL		\$883,294.00	\$940,236.31	\$917,004.00

1060032-TREATMENT PLANT OPERATION EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1060032-5001	\$36,895.00	\$36,895.00	\$37,815.00
Regular Labor	1060032-5002	\$627,336.00	\$627,336.00	\$623,915.00
Vac,Sick,Etc.	various	included in above	\$162,150.43	included in above
Overtime	1060032-5003	\$60,000.00	\$47,694.96	\$60,000.00
Shift Labor	1060032-5004	\$12,000.00	\$11,688.00	\$12,000.00
FICA	1060032-5101	\$45,646.00	\$42,985.15	\$41,027.00
Medicare	1060032-5102	\$10,675.00	\$10,675.00	\$9,595.00
Group Health	1060032-5202	\$145,634.00	\$158,683.00	\$174,552.00
Pension	1060032-5203	\$35,057.00	\$35,057.00	\$34,977.00
Supplies	1060032-5304	\$500.00	-\$79.98	\$500.00
Alum	1060032-5304-1034	\$160,000.00	\$226,426.09	\$200,000.00
Carbon Supplement	1060032-5304-1070	\$225,000.00	\$196,304.24	\$225,000.00
Stream Monitoring	1060032-5405-1053	\$14,250.00	\$14,250.00	\$14,250.00
Licns/Fees	1060032-5409	\$9,000.00	\$6,517.00	\$9,000.00
Analysis	1060032-5410	\$10,000.00	\$21,236.31	\$10,000.00
Misc.Outside Serv.	1060032-5499	\$40,000.00	\$40,865.33	\$40,000.00
Power	1060032-5602-1043	\$364,773.00	\$352,908.85	\$404,000.00
TOTAL		\$1,796,766.00	\$1,991,592.38	\$1,896,631.00

1070021-COLLECTION MAINTENANCE EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1070021-5001	\$130,130.00	\$130,130.00	\$133,058.00
Regular Labor	1070021-5002	\$973,383.00	\$973,383.00	\$1,008,605.00
Vac.,Sick,Etc.	various	included in above	\$121,325.05	included in above
Overtime	1070021-5003	\$15,000.00	\$15,992.03	\$15,000.00
FICA	1070021-5101	\$68,418.00	\$64,917.26	\$70,803.00
Medicare	1070021-5102	\$16,001.00	\$16,001.00	\$16,554.00
Group Health	1070021-5202	\$287,396.00	\$302,241.00	\$332,465.00
Pension	1070021-5203	\$61,682.00	\$61,682.00	\$63,736.00
Small Eq./Tools	1070021-5305	\$16,000.00	\$6,591.41	\$13,000.00
Sewer Line Maint.	1070021-5504	\$120,000.00	\$68,064.94	\$90,000.00
Rental Equip.	1070021-ER01	\$1,000.00	\$731.50	\$1,000.00
Rental Lowboy	1070021-ER14	\$2,500.00	\$3,533.01	\$3,500.00
Patch Paving Contract	1070021-PV01	\$20,000.00	\$0.00	\$10,000.00
TOTAL		\$1,711,510.00	\$1,764,592.20	\$1,757,721.00
1070022-CONSTRUCTION EQUIPMENT MAINTENANCE EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Small Equipment Maint.	1070022-5501	\$5,500.00	\$2,294.72	\$5,000.00
Large Equipment Maint.	1070022-5506	\$40,000.00	\$59,731.58	\$60,000.00
TOTAL		\$45,500.00	\$62,026.30	\$65,000.00

1070034-INSPECTION EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Supervisor Labor	1070034-5001	\$130,130.00	\$130,130.00	\$133,058.00
Regular Labor	1070034-5002	\$203,504.00	\$203,504.00	\$208,723.00
Vac,Sick,Etc.	various	included in above	\$34,107.22	included in above
Overtime	1070034-5003	\$10,000.00	\$10,401.89	\$11,000.00
FICA	1070034-5101	\$20,685.00	\$20,685.00	\$21,190.00
Medicare	1070034-5102	\$4,838.00	\$4,838.00	\$4,956.00
Group Health	1070034-5202	\$35,834.00	\$41,337.00	\$45,470.00
Pension	1070034-5203	\$23,188.00	\$20,537.20	\$23,742.00
Operational Supplies	1070034-5304	\$1,500.00	\$1,358.00	\$1,600.00
Small Eq./Tools	1070034-5305	\$500.00	\$0.00	\$500.00
TOTAL		\$430,179.00	\$466,898.31	\$450,239.00
1070036-COLLECTION PUMP STATION EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Small Eq./Tools	1070036-5305	\$1,000.00	\$0.00	\$1,000.00
Equipment Maintenance	1070036-5501	\$12,000.00	\$19,419.80	\$22,000.00
Pump Station Maint.	1070036-5505	\$70,000.00	\$44,476.60	\$70,000.00
Clasters Maint.	1070036-5505-B5002	\$200.00	\$0.00	\$200.00
North Maint.	1070036-5505-B5003	\$200.00	\$0.00	\$200.00
South Maint.	1070036-5505-B5004	\$200.00	\$0.00	\$200.00
Power	1070036-5602	\$50,000.00	\$57,094.58	\$62,000.00
Clasters Power	1070036-5602-B5002	\$500.00	\$190.74	\$500.00
South Power	1070036-5602-B5004	\$150.00	\$232.15	\$500.00
Pump Station Propane	1070036-5603	\$1,000.00	\$788.16	\$1,000.00
TOTAL		\$135,250.00	\$122,202.03	\$157,600.00

1045921-CIP COLLECTION MAINTENANCE EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
I & I Emergency	1045921-0021	\$1,000.00	\$0.00	remove
N Atherton PADOT	1045921-0021-6250	\$150,000.00	\$130,142.35	remove
Meeks Lane Eng	1045921-5405-6235	\$35,000.00	\$24,472.00	\$15,000.00
Shiloh relocation Eng	1045921-5405-6271	\$7,500.00	\$17,314.61	\$5,000.00
Shiloh Trench Paving	1045921-PV01-6271	\$25,000.00	\$0.00	\$25,000.00
Shiloh Bike Paving	1045921-PV02-6271	\$50,000.00	\$0.00	\$65,000.00
Shiloh Sm Eq Rental	1045921-ER01-6271	\$5,000.00	\$0.00	\$5,000.00
Shiloh upgrade	1045921-0021-6271	\$413,000.00	\$138,162.26	\$70,000.00
Greenbriar Eng.	1045921-5405-6272	\$10,000.00	\$0.00	\$10,000.00
Greenbriar Project	1045921-0021-6272	\$100,000.00	\$113,908.75	\$50,000.00
Greenbriar Truck Rental	1045921-ER05-6272	\$0.00	\$0.00	remove
Greenbriar Trench Paving	1045921-PV01-6272	\$35,000.00	\$31,002.30	remove
Outer Drive force main	1045921-0021-6284	\$0.00	\$0.00	remove
Whitehall Rd Force Main	1045921-0021-6285	\$0.00	\$0.00	\$35,000.00
Whitehall Rd Eng	1045921-5405-6310	\$0.00	\$0.00	\$19,200.00
Whitehall Rd Trench Paving	1045921-PV01-6311	\$0.00	\$0.00	\$15,000.00
Scott Rd upgrade eng.	1045921-5405-6300	\$175,000.00	\$42,560.00	\$177,000.00
Scott Rd Force Main	1045921-0021-6300	\$0.00	\$0.00	\$516,000.00
Scott Rd PS Upgrade	104591-5505-6300	\$0.00	\$0.00	\$749,000.00
Scott Rd Truck Rental	1045921-ER05-6300	\$0.00	\$0.00	\$75,000.00
Scott Rd Trench Paving	1045921-PV01-6300	\$0.00	\$0.00	\$30,000.00
Princeton backlot	1045921-0021-6268	\$20,000.00	\$0.00	remove
Future Septic Replacement	1045921-5405-6301	\$35,000.00	\$0.00	remove?
Haymarket Project	1045921-0021-6312	\$0.00	\$0.00	\$35,000.00
Haymarket Eng	1045921-5405-6313	\$0.00	\$0.00	\$16,800.00
Haymarket Trench Paving	1045921-PV01-6314	\$0.00	\$0.00	\$17,500.00
UAJA Conduit Project	1045921-0021-6315	\$0.00	\$0.00	\$91,000.00
UAJA Conduit Eng	1045921-5405-6316	\$0.00	\$0.00	\$24,000.00
UAJA Conduit Trench Paving	1045921-PV01-6317	\$0.00	\$0.00	\$25,000.00
TOTAL		\$1,061,500.00	\$497,562.27	\$2,070,500.00
1045922-CIP CONSTRUCTION EQUIPMENT MAINTENANCE EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Doosan Trackhoe	1045922-0021-6252	\$0.00	\$0.00	remove

1045919-CIP LABORATORY EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
BOD Incubator	1045919-0019-6318	\$0.00	\$0.00	\$6,200.00
Analytical Balance	1045919-0019-6319	\$0.00	\$0.00	\$8,500.00
TOTAL		\$0.00	\$0.00	\$14,700.00
1045924-CIP PLANT MAINTENANCE EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
ENR/AWT Project	1045924-0024-6256	\$0.00	\$85,686.74	\$0.00
ENR/AWT Upgrade Eng	1045924-5405-6256	\$0.00	\$3,110.44	\$0.00
Solar Phase II Project	1045924-0024-6260	\$0.00	\$163,904.00	\$98,000.00
Outfall Cascade	1045924-0024-6277	\$0.00	\$0.00	\$0.00
Outfall Cascade Eng	1045924-5405-6277	\$0.00	\$0.00	\$0.00
ENR/AWT SCADA	1045924-0024-6291	\$0.00	\$76,271.97	\$0.00
Control Bldg windows	1045924-0024-6278	\$0.00	\$0.00	\$0.00
Snow plow	1045924-0024-6279	\$0.00	\$0.00	\$0.00
Aeration mixer (LG)	1045924-0024-6292	\$0.00	\$0.00	\$0.00
Aeration mixer (SM)	1045924-0024-6293	\$0.00	\$0.00	\$0.00
Plant Truck 3 Pymt (2/3)	1045924-0024-6294	\$15,300.00	\$15,300.00	\$15,300.00
5,000 LB Forklift (1/3)	1045924-0024-6320	\$0.00	\$0.00	\$10,083.00
New truck w/ Plow (1/3)	1045924-0024-6321	\$0.00	\$0.00	\$22,773.00
Aeration system repair	1045924-0024-6304	\$300,000.00	\$27,611.66	\$725,000.00
Scissors Lift	1045924-0024-6305	\$20,000.00	\$0.00	remove
Headworks heating unit	1045924-0024-6306	\$7,500.00	\$0.00	remove
VFD's drain station/IPS	1045924-0024-6307	\$23,000.00	\$0.00	remove
UAJA Ent. Road Project	1045924-0024-6322	\$0.00	\$0.00	\$350,404.00
UAJA Ent. Road Project Eng.	1045924-0024-6323	\$0.00	\$0.00	\$22,500.00
Ozone Disinfection Eng	1045924-0024-6324	\$0.00	\$0.00	\$115,000.00
Ozone Disinfection Project	1045924-0024-6325	\$0.00	\$0.00	\$4,050,000.00
Dissolved Phosphorus Study	1045924-0024-6333	\$0.00	\$0.00	\$180,000.00
TOTAL		\$365,800.00	\$371,884.81	\$5,589,060.00
1045928-CIP BENEFICIAL REUSE EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
MF Membrane replace	1045928-0028-6239	\$81,000.00	\$0.00	\$90,000.00
Harris Reuse Eng	1045928-5405-6261	\$45,000.00	\$22,437.10	\$7,250.00
Harris Reuse	1045928-0028-6262	\$1,000,000.00	\$182,460.96	\$20,000.00
Harris Reuse Truck Rental	1045928-ER05-6262	\$85,000.00	\$91,823.53	remove
AWT Chemical Pumps (2)	1045928-0028-6308	\$12,000.00	\$14,150.00	remove
Kissinger Meadow Eng.	1045928-5405-6332	\$0.00	\$0.00	\$15,000.00
Kissinger Meadow Project	1045928-0028-6332	\$0.00	\$0.00	\$110,000.00
TOTAL		\$1,223,000.00	\$310,871.59	\$242,250.00
1045929-CIP DEWATERING EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Big Bertha Mixing Project	1045929-0029-6309	\$95,000.00	\$83,585.65	remove
TOTAL		\$95,000.00	\$0.00	\$0.00
1045930-CIP COMPOST EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
Odor Control engineering	1045930-5405-6245	\$20,000.00	\$22,245.00	\$0.00
Odor Control project	1045930-0030-6245	\$500,000.00	\$243,514.12	\$0.00
New Compost Loader 2/3	1045930-0030-6295	\$40,000.00	\$40,000.00	\$40,000.00
Compost Bldg Rehab	1045930-0030-6296	\$0.00	\$0.00	remove
Solids Dryng Eng.	1045930-0030-6326	\$0.00	\$0.00	\$690,000.00
Solids Dryng Project	1045930-0030-6327	\$0.00	\$0.00	\$9,600,000.00
TOTAL		\$560,000.00	\$305,759.12	\$10,330,000.00
1045931-CIP INDUSTRIAL PRETREATMENT PROGRAM EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
TOTAL		\$0.00	\$0.00	\$0.00
1045950- CIP G & A EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2020 PROJECTED ACTUAL	2021 BUDGET REQUEST
IT System Upgrade- Hardware	1045950-0050-6043	\$0.00	\$0.00	\$90,000.00
IT System Upgrade- Software	1045950-0050-6047	\$0.00	\$0.00	\$100,000.00
TOTAL		\$0.00		\$190,000.00
GRAND TOTAL		\$2,243,800.00	\$988,515.52	\$16,366,010.00

Date of Issuance: November 12, 2020 Effective Date: Date executed by Owner

Owner: University Area Joint Authority Contract No.: 2020-03
 Contractor: HRI, Inc. Contract Name: Open Cut Highway Crossings
 Engineer: HRG HRG Project No.: 1178.0637
 Project: Beneficial Reuse Waterline Extension to Harris Township

The Contract is modified as follows upon execution of this Change Order:


Description: Provide all equipment, labor, materials, and incidentals to

SR 3010 - work within Spring Creek to install the 12" beneficial reuse waterline three feet beyond the sewer line

SR 0322 - work around the waterline on the south side of the crossing.

Attached (List documents supporting change): SR 3010 price negotiated (no attachment). SR 0322 – attached documentation.

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: \$ <u>366,000.00</u>	Original Contract Times: Substantial Completion: <u>120</u> Ready for Final Payment: <u>150</u> days or dates
[Increase] [Decrease] from previously approved Change Orders No. <u>-</u> to No. <u>-</u> : \$ <u>0.00</u>	[Increase] [Decrease] from previously approved Change Orders No. <u>-</u> to No. <u>-</u> : Substantial Completion: <u>0</u> Ready for Final Payment: <u>0</u> days
Contract Price prior to this Change Order: \$ <u>366,000.00</u>	Contract Times prior to this Change Order: Substantial Completion: <u>120</u> Ready for Final Payment: <u>150</u> days or dates
[Increase] [Decrease] of this Change Order: \$ <u>26,861.06</u>	[Increase] [Decrease] of this Change Order: Substantial Completion: <u>0</u> Ready for Final Payment: <u>0</u> days or dates
Contract Price incorporating this Change Order: \$ <u>392,861.06</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>120</u> Ready for Final Payment: <u>150</u> days or dates

RECOMMENDED:	AUTHORIZED BY:	RECEIVED:
By: <u></u> Engineer (Authorized Signature)	By: _____ Owner (Authorized Signature)	By: _____ Contractor (Authorized Signature)
Title: <u>Project Manager</u>	Title: _____	Title: _____
Date: <u>November 12, 2020</u>	Date: _____	Date: _____

Approved by Funding Agency (if applicable)

By: _____ Date: _____
 Title: _____



Letter No.: 2020-03_HRI-HRG-003
September 16, 2020

Herbert, Rowland & Grubic, Inc.
2568 Park Center Boulevard
State College, PA 16801

Attn: Benjamin R. Burns, PE

Subject: UAJA Contract 2020-03: Open Cut Highway Crossings

Re: Change Proposal No. 2

Dear Mr. Burns,

Enclosed, please find Change Proposal No. 2 containing a detailed description, pricing proposal, and supporting documentation.

If you have any questions or need additional information please feel free to contact me at jfredley@hriinc.com or (814) 424-2985.

Sincerely,
HRI, INC.

A handwritten signature in blue ink, appearing to read "Jon Fredley".

Jon Fredley
Project Manager

ENCL: Change Proposal No. 2

CC: Danielle Parson (HRG)
Jason Brown (UAJA)

Change Proposal 002: S.R. 0322 Waterline Crossing

Reference is made to Letter No. 2020-03_HRI-HRG-001 dated August 28, 2020 wherein notice was provided of two existing utilities in conflict with the proposed reuse waterline at the S.R. 0322 crossing location. These existing utilities were not identified in the contract drawings and therefore were not anticipated by HRI.

A Verizon utility line was encountered at approximate sta. 190+90. The reuse waterline was able to be installed at this location with relatively minor additional effort. No additional compensation is requested for this utility conflict.

A SCBWA water line was encountered at approximate sta. 192+50. In order to pass the reuse waterline below this existing utility and tie in to the reuse waterline previously installed by UAJA, additional depth in excavation, fittings and fit-up time were required. This additional effort took place on 9/8/2020 from 7AM to 2PM, totaling 7 hours of additional work.

HRI herein requests an adjustment to the Contract Price of \$6,861.06. Please see attached Cost Justification Sheet and supporting documentation detailing this request.

Due to the available float in the CPM schedule, HRI is not requesting an adjustment to Contract Time at this time.

HRI believes the supporting data to be accurate and complete, and the requested price adjustment is the entire adjustment to which HRI believes it is entitled.

**CHANGE ORDER WORK SHEET
COST JUSTIFICATION SHEET**



HRI, INC. - Heavy & Environmental Division
UAJA Contract 2020-03 - Open Cut Highway Crossings
HRI Job # 10235963

HRI-PCO 002

DESCRIPTION OF OPERATION: S.R. 0322 Waterline Crossing

MATERIAL

DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
12" MJ 45 Bend	2.00	EA	\$306.88	\$613.76
12" Megalug Kit (PVC)	4.00	EA	\$101.43	\$405.72
Sub Total				\$1,019.48
0.0% Sales Tax				\$0.00
Total Material				\$1,019.48
15.0% Markup				\$152.92

LABOR

CLASSIFICATION	HOURS	OT HOURS	STANDARD RATE	OT RATE	DIRECT LABOR
Project Manager	1.0		\$71.19	\$106.79	\$71.19
Foreman	7.0		\$67.88	\$101.82	\$475.16
Operator Group 1	14.0		\$55.12	\$82.68	\$771.68
Laborer Group 3	14.0		\$50.75	\$76.13	\$710.50
Sub Total					\$2,028.53
Total Base Labor x (% Ins., Taxes, etc.)					\$443.84
Total Labor					\$2,472.37
15.0% Markup					\$370.86

% Ins., Taxes, Etc. = 21.8800%

EQUIPMENT

DESCRIPTION	EQUIPMENT #	HOURS	OPERATING RATE/HOUR	AMOUNT
2015 Chevy 2500 4x4	108008	7.0	\$16.66	\$116.62
2018 Cat 930M Wheel Loader	220003	7.0	\$62.94	\$440.58
2019 Komatsu PC238 USLC-11 Excavator	231002	7.0	\$107.61	\$753.27
2013 Komatsu PC138 USLC-10 Excavator	230041	7.0	\$78.98	\$552.86
Tri-axle-RES Trucking	N/A	7.0	\$82.00	\$574.00
Total Equipment				\$2,437.33
10.0% Markup				\$243.73

* Rate/Hour includes Operating Cost


SUBCONTRACTS

Description	DESCRIPTION	AMOUNT
Sub Total		\$0.00
0.0% Sales Tax		\$0.00
Total Subcontract Value		\$0.00
5.0% Markup		\$0.00

INDIRECT EXPENSES

DESCRIPTION	RATE/MONTH	CALENDAR DAYS	RATE/DAY	AMOUNT
Total Indirects				\$0.00
10.0% Markup				\$0.00

Contractor's Representative

X  9/16/2020
Signature Date

Small Tools @ 2.5% Labor	\$50.71
Safety @ 1.5% Labor	\$30.43
Warranty @ 1.5% Materials	\$15.29

Subtotal	\$6,793.13
Bonds / Insurance @ 1%	\$67.93
GRAND TOTAL	\$6,861.06

Engineer's Representative Confirming Receipt

X _____
Signature Date

HRI

Job Name: UAJA BENEFICIAL REUSE OPEN CUT XING

Job Code 10235963

Daily Report

Diary: Date - 09/08/2020 (Tuesday)

Foreman - 10008537

Attached Images/Documents

PORTION OF HRS FOR ADDITIONAL WORK TO PAJ SUBWA WATER LINE

Code	Name	Class	70000475 Crossing #4 Labor 34 LF	80000300 Asphalt Materials 0 LS	90000600 Asphalt Paving HRI 0 SY	Foreman - 10008537 Revision - 0 Shift - 1	Totals
10008537	Sager, Jacob E	2090	10.5				10.5
HRI108013	2018 CHEVY 2500 DC		90				90
10008527	Norris, Scott E	2220_201	10				10
HRI220003	2018 CAT 930M WHEEL		10				10
10008480	Coffman, Kevin J	2220_201	10.5				10.5
HRI230041	2013 KOMATSU PC138		10				10
HRI833900	RT KOMATSU H210 BR		30				30
HRI231002	2019 KOMATSU PC238		40				40
10235484	McClellan, Dylan Raymo	2180_203	10				10
10237039	McNelis III, Jeffrey J	2180_203	10				10
HRI122842	TRI-AXLE TRK @\$82/H		10				10

Totals for Labor Hours: 51
 Totals for Equipment Hours: 190
 Worked: 51
 Broken Out: (51/0/0)
 Worked: 190
 Broken Out: (190/0/0)

Date: _____

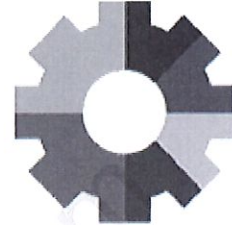
'c' - indicates a completed item.
'(R)' - indicates a rework quantity.

Adjustments for 108008 in All Saved Models

August 28, 2020

Miscellaneous 4X4 3/4 165 CREW GAS

On-Highway Light Duty Trucks

 Size Class:
 100 - 199 HP
 Weight:
 5500 lbs

Configuration for 4X4 3/4 165 CREW GAS

Axle Configuration	4X4	Cab Type	Crew
Horsepower	165.0	Power Mode	Gasoline
Ton Rating	3/4		

Blue Book Rates
Non-current (i.e. archived) rates: Jul 1, 2015 - Jun 30, 2016

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$815.00	USD \$230.00	USD \$58.00	USD \$9.00	USD \$11.80	USD \$16.43
Adjustments						
Region (Pennsylvania: 104.9%)	USD \$39.94	USD \$11.27	USD \$2.84	USD \$0.44		
Model Year (2015: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$854.93	USD \$241.27	USD \$60.84	USD \$9.44	USD \$11.80	USD \$16.66

Non-Active Use Rates

Standby Rate	Hourly	USD \$2.43
Idling Rate		USD \$13.70

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	58%	USD \$472.70/mo
Overhaul (ownership)	28%	USD \$228.20/mo
CFC (ownership)	4%	USD \$32.60/mo
Indirect (ownership)	10%	USD \$81.50/mo
Fuel (operating) @ USD 2.82	75%	USD \$8.84/hr

Revised Date: 2nd half 2015

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

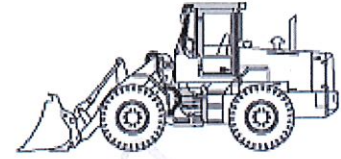
 The equipment represented in this report has been exclusively prepared for PATTI HIGGINS
 (phiggins@hriinc.com)

Adjustments for 220003 in All Saved Models

August 28, 2020

Caterpillar 930M

4-Wd Articulated Wheel Loaders

 Size Class:
 150 - 174 HP
 Weight:
 N/A

Configuration for 930M

Operator Protection ROPS/FOPS Power Mode Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$5,815.00	USD \$1,630.00	USD \$410.00	USD \$62.00	USD \$28.61	USD \$61.65
Adjustments						
Region (Pennsylvania: 104%)	USD \$232.60	USD \$65.20	USD \$16.40	USD \$2.48		
Model Year (2018: 99.9%)	(USD \$6.06)	(USD \$1.70)	(USD \$0.43)	(USD \$0.06)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$6,041.54	USD \$1,693.50	USD \$425.97	USD \$64.42	USD \$28.61	USD \$62.94

Non-Active Use Rates

Hourly

Standby Rate	USD \$17.16
Idling Rate	USD \$46.16

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	44%	USD \$2,558.60/mo
Overhaul (ownership)	39%	USD \$2,267.85/mo
CFC (ownership)	7%	USD \$407.05/mo
Indirect (ownership)	10%	USD \$581.50/mo
Fuel (operating) @ USD 2.40	41%	USD \$11.83/hr

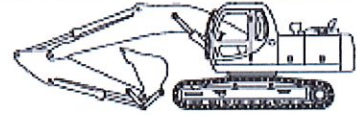
Revised Date: 2nd half 2020

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 (phiggins@hriinc.com)

Adjustments for 231002 in All Saved Models

August 28, 2020

Komatsu PC238USLC-11
 Crawler Mounted Hydraulic Excavators

 Size Class:
 24.1 - 28.0 MTons
 Weight:
 N/A

Configuration for PC238USLC-11

 Operating Weight **54230.0 lbs** Power Mode **Diesel**
Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$9,850.00	USD \$2,760.00	USD \$690.00	USD \$105.00	USD \$48.82	USD \$104.79
Adjustments						
Region (Pennsylvania: 105.1%)	USD \$502.35	USD \$140.76	USD \$35.19	USD \$5.36		
Model Year (2019: 99.95%)	(USD \$5.23)	(USD \$1.47)	(USD \$0.37)	(USD \$0.06)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$10,347.12	USD \$2,899.29	USD \$724.82	USD \$110.30	USD \$48.82	USD \$107.61

Non-Active Use Rates

Hourly

Standby Rate	USD \$29.40
Idling Rate	USD \$75.42

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	USD \$3,940.00/mo
Overhaul (ownership)	49%	USD \$4,826.50/mo
CFC (ownership)	6%	USD \$591.00/mo
Indirect (ownership)	5%	USD \$492.50/mo
Fuel (operating) @ USD 2.40	34%	USD \$16.63/hr

Revised Date: 2nd half 2020

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 (phiggins@hriinc.com)

www.equipmentwatch.com

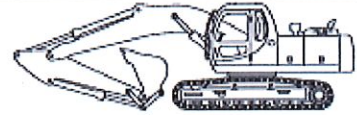
All prices shown in US dollars (\$)

Adjustments for 230041 in All Saved Models

August 28, 2020

Komatsu PC138USLC-10 (disc. 2016)

Crawler Mounted Hydraulic Excavators



Size Class:

14.1 - 16.0 MTons

Weight:

N/A

Configuration for PC138USLC-10 (disc. 2016)

Operating Weight **30540.0 lbs** Power Mode **Diesel**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$7,530.00	USD \$2,110.00	USD \$530.00	USD \$80.00	USD \$34.74	USD \$77.52
Adjustments						
Region (Pennsylvania: 105.1%)	USD \$384.03	USD \$107.61	USD \$27.03	USD \$4.08		
Model Year (2013: 98.38%)	(USD \$128.50)	(USD \$36.01)	(USD \$9.04)	(USD \$1.37)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	USD \$7,785.53	USD \$2,181.60	USD \$547.99	USD \$82.71	USD \$34.74	USD \$78.98

Non-Active Use Rates

	Hourly
Standby Rate	USD \$22.12
Idling Rate	USD \$52.19

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	USD \$3,012.00/mo
Overhaul (ownership)	49%	USD \$3,689.70/mo
CFC (ownership)	6%	USD \$451.80/mo
Indirect (ownership)	5%	USD \$376.50/mo
Fuel (operating) @ USD 2.40	23%	USD \$7.95/hr

Revised Date: 2nd half 2020

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(phiggins@hriinc.com)



PURCHASE ORDER

The purchase order number must appear on all delivery slips and invoices.

Purchase Order No.: 1040581
Order Revision No.: 0

Supplier No.: 10091469 Vendor: Core & Main LP
1830 Craig Park Court
St. Louis MO 63146
Tax ID: 03-0550887

Ship To: UAJA Open Cut Highway Crossings
S.R. 3010, S.R. 0045, S.R. 0322
State College PA 16801

Order Date	Order Type	Carrier	Freight Terms	Payment Terms
7/30/2020	O1			Net 60 Days

If there are any questions concerning this purchase order, please contact:

Currency: USD Page: Page 1 of 5

Name: Jon Fredley
Phone: (814) 238-5071

Line No	Promise Delivery	Quantity	UoM	Item No.	Description	Unit Cost	Extended Cost
---------	------------------	----------	-----	----------	-------------	-----------	---------------

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

		2.00	EA		12" MJ 45 Bend	306.88	613.76
		28.00	EA		12" Megalug Kit (PVC)	101.43	2,840.04

Core & Main
150 Aqua Penn Dr.
Howard, PA 16841
Attn : Nick Yetter
(O) 814-357-3130
(C) 717-659-1417
nicholas.yetter@coreandmain.com

PO to Core & Main

All work shall be provided in the best manner of industry and trade practices and as specified and detailed to accomplish the project requirements. Applicable provisions of the Bidding Requirements, Contract Forms and Conditions of the Contract; including but not limited to the Technical Specifications and Contract Drawings are to be included as part of this order. Where the Contract Documents reference "Contractor", "System Supplier" and "Manufacturer", it shall mean this "Supplier" with regard to this Purchase Order.

All materials and services furnished under this order are supplied for the University Area Joint Authority Beneficial Reuse Waterline Extension to Harris Township Contract No. 2020-03: Open Cut Highway Crossings (S.R. 3010, S.R. 0045, S.R. 0322). As such, all materials shall be in strict accordance with the requirements of the contract documents

		Sales Tax:	0.00
Mail Invoices to:		Total:	38,718.72
Email Invoices to ap@hrlinc.com or mail: Barrett Industries (HRI, Inc AP 202-HEC) 8690 Bilstein Blvd, Suite 100 Hamilton, OH 45015			
Supplier Signature: <i>Tim Fuller</i>		District Manager	
Buyer Signature: <i>[Signature]</i>			
Page 54 of 85			
THE SUPPLIER SIGNATORY ABOVE HAS THE AUTHORITY AND KNOWLEDGE TO BIND THE SUPPLIER TO THE CONTRACT AND AGREES TO THE TERMS & CONDITIONS. SUPPLIER AGREES TO CONFORM WITH TERMS STATED IN TERMS & CONDITION ATTACHMENT.			

11/06/2020 11:29
kwheeler

UNIVERSITY AREA JOINT AUTHORITY - LIVE
YEAR-TO-DATE BUDGET REPORT

P 1
glytdbud

FOR 2020 10

ACCOUNTS FOR: 10	OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1040410	REVENUE-SEWER	-15,152,692	0	-15,152,692	-10,485,626.95	.00	-4,667,065.05	69.2%
1040420	REVENUE-SOLIDS	-74,000	0	-74,000	-96,531.64	.00	22,531.64	130.4%
1040425	REVENUE-BU WATER	-25,000	0	-25,000	-21,826.00	.00	-3,174.00	87.3%
1040430	MAINTENANCE	-56,631	0	-56,631	-68,150.66	.00	11,519.66	120.3%
1040440	REVENUE-PERMIT/TAP FEES	-1,297,027	0	-1,297,027	-2,779,879.10	.00	1,482,852.10	214.3%
1040450	REVENUE-ADVCD. CONSTRC FEE	-40,000	0	-40,000	-79,428.87	.00	39,428.87	198.6%
1040451	REVENUE-MISC. REIMBURSEMNT	-127,358	0	-127,358	-17,741.04	.00	-109,616.96	13.9%
1040470	INTEREST EARNINGS-CASH ACCT	-1,790	0	-1,790	-825.11	.00	-964.89	46.1%
1040472	INTEREST EARNINGS-PLIGIT	-375	0	-375	-60.84	.00	-314.16	16.2%
1040474	INTEREST EARNINGS - TRUSTEE	-119,600	0	-119,600	-64,086.59	.00	-55,513.41	53.6%
1040480	REVENUES-MISCELLANEOUS	-85,400	0	-85,400	-95,019.18	.00	9,619.18	111.3%
1045921	CIP-COLLECTION MAINT I&I	1,061,500	0	1,061,500	458,756.78	.00	602,743.22	43.2%
1045922	CIP-COLLECTION-CONST. EQUIP	68,300	0	68,300	69,791.35	.00	-1,491.35	102.2%
1045924	CIP-WWTP-PHYSICAL PLANT	365,800	0	365,800	244,701.49	.00	121,098.51	66.9%
1045928	CIP-BENEFICIAL REUSE	1,223,000	0	1,223,000	935,229.38	.00	287,770.62	76.5%
1045929	CIP-WWTP-DEWATERING FACILIT	95,000	0	95,000	125,611.69	.00	-30,611.69	132.2%
1045930	CIP-WWTP-COMPOST FACILITY	560,000	0	560,000	307,225.98	.00	252,774.02	54.9%
1050050	GENERAL & ADMINISTRATIVE	1,719,320	0	1,719,320	1,595,724.21	.00	123,595.79	92.8%
1050053	G & A - INFORMATION TECHNOL	71,000	0	71,000	61,775.44	.00	9,224.56	87.0%
1050054	G & A - FLEET/FUEL	160,500	0	160,500	154,115.23	.00	6,384.77	96.0%
1052052	DEBT SERVICE	6,373,458	0	6,373,458	1,129,072.15	.00	5,244,385.85	17.7%
1060019	WWTP - LABORATORY	303,620	0	303,620	266,496.38	.00	37,123.62	87.8%
1060022	TREATMENT PLANT MAINTENANCE	1,071,381	0	1,071,381	1,089,032.49	.00	-17,651.49	101.6%
1060023	MAIN STATION	46,817	0	46,817	82,321.48	.00	-35,504.48	175.8%
1060025	WWTP - IPP	111,987	0	111,987	93,493.07	.00	18,493.93	83.5%
1060028	WWTP - BENEFICIAL REUSE	795,430	0	795,430	802,624.60	.00	-7,194.60	100.9%
1060029	WWTP - DEWATERING	402,847	0	402,847	299,075.44	.00	103,771.56	74.2%
1060030	WWTP - COMPOST	883,294	0	883,294	790,790.81	.00	92,503.19	89.5%
1060032	TREATMENT PLANT OPERATION	1,796,766	0	1,796,766	1,771,159.01	.00	25,606.99	98.6%
1070021	COLLECTION-MAINTENANCE	1,711,510	0	1,711,510	1,418,230.09	.00	293,279.91	82.9%
1070022	CONSTRUCT EQUIP MAINTENANCE	45,500	0	45,500	53,653.85	.00	-8,153.85	117.9%
1070034	COLLECTION-INSPECTION	430,179	0	430,179	379,253.79	.00	50,925.21	88.2%
1070036	COLLECTION-PUMP STATION	135,250	0	135,250	100,256.63	.00	34,993.37	74.1%
TOTAL OPERATING FUND		2,452,586	0	2,452,586	-1,480,784.64	.00	3,933,370.64	-60.4%
TOTAL REVENUES		-16,979,873	0	-16,979,873	-13,709,175.98	.00	-3,270,697.02	
TOTAL EXPENSES		19,432,459	0	19,432,459	12,228,391.34	.00	7,204,067.66	

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<u>1040410 REVENUE-SEWER</u>							
1040410 4101 UAJA TOTAL SEWER R	-10,324,496	0	-10,324,496	-7,717,141.39	.00	-2,607,354.61	74.7%*
1040410 4102 BORO SEWER TOTAL R	-4,018,120	0	-4,018,120	-2,358,635.91	.00	-1,659,484.09	58.7%*
1040410 4103 PGM TOTAL SEWER RE	-379,200	0	-379,200	-250,340.35	.00	-128,859.65	66.0%*
1040410 4104 PSU TOTAL SEWER RE	-244,508	0	-244,508	-67,729.30	.00	-176,778.70	27.7%*
1040410 4105 SURCHARGES TOTAL R	-186,368	0	-186,368	-91,780.00	.00	-94,588.00	49.2%*
TOTAL REVENUE-SEWER	-15,152,692	0	-15,152,692	-10,485,626.95	.00	-4,667,065.05	69.2%
<u>1040420 REVENUE-SOLIDS</u>							
1040420 4201 N5001 NONTAXABLE	-45,000	0	-45,000	-41,556.00	.00	-3,444.00	92.3%*
1040420 4201 N5002 TAXABLE COMPO	-6,000	0	-6,000	-11,453.22	.00	5,453.22	190.9%
1040420 4203 SLUDGE DISPOSAL	-23,000	0	-23,000	-43,522.42	.00	20,522.42	189.2%
TOTAL REVENUE-SOLIDS	-74,000	0	-74,000	-96,531.64	.00	22,531.64	130.4%
<u>1040425 REVENUE-BU WATER</u>							
1040425 4251 REVENUE-BU WATER	-25,000	0	-25,000	-21,826.00	.00	-3,174.00	87.3%*
TOTAL REVENUE-BU WATER	-25,000	0	-25,000	-21,826.00	.00	-3,174.00	87.3%
<u>1040430 MAINTENANCE</u>							
1040430 4301 REVENUE-MAINT BORO	-56,631	0	-56,631	-68,150.66	.00	11,519.66	120.3%
TOTAL MAINTENANCE	-56,631	0	-56,631	-68,150.66	.00	11,519.66	120.3%
<u>1040440 REVENUE-PERMIT/TAP FEES</u>							
1040440 4401 PERMIT/CONNECTION	-22,050	0	-22,050	-53,975.00	.00	31,925.00	244.8%
1040440 4402 TAP FEE-TREATMENT	-1,196,800	0	-1,196,800	-2,492,899.17	.00	1,296,099.17	208.3%

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1040440	4403	GHANER TAP FEE	-3,010	0	-3,010	-16,669.09	.00	13,659.09	553.8%
1040440	4404	TAP FEE-PGM COLLEC	-6,642	0	-6,642	-2,214.00	.00	-4,428.00	33.3%*
1040440	4405	IPP USER FEES	-5,700	0	-5,700	-3,800.00	.00	-1,900.00	66.7%*
1040440	4409	WATER QUALITY MNGT	-500	0	-500	-300.00	.00	-200.00	60.0%*
1040440	4409	B5466 WATER QUALITY	0	0	0	-100.00	.00	100.00	100.0%
1040440	4410	REPAIR PERMIT	-1,550	0	-1,550	-1,200.00	.00	-350.00	77.4%*
1040440	4411	TAP FEE - ROUTE 26	-14,125	0	-14,125	-5,650.00	.00	-8,475.00	40.0%*
1040440	4412	CIRCLEVILLE TAP FE	-40,800	0	-40,800	-179,675.84	.00	138,875.84	440.4%
1040440	4413	VALLEY VISTA TAP F	-5,850	0	-5,850	-23,396.00	.00	17,546.00	399.9%
TOTAL REVENUE-PERMIT/TAP FEES		-1,297,027	0	-1,297,027	-2,779,879.10	.00	1,482,852.10	214.3%	
1040450 REVENUE-ADVCD. CONSTRC FEE									
1040450	4407	INSPECTION FEES	-40,000	0	-40,000	-4,510.72	.00	-35,489.28	11.3%*
1040450	4407	B5026 GRAYSWOOD BRY	0	0	0	-6,631.14	.00	6,631.14	100.0%
1040450	4407	B5192 VILLAGE AT PE	0	0	0	-8,148.22	.00	8,148.22	100.0%
1040450	4407	B5422 INSPECTION FE	0	0	0	-25,473.54	.00	25,473.54	100.0%
1040450	4407	B5444 INSPECTION FE	0	0	0	-5,381.14	.00	5,381.14	100.0%
1040450	4407	B5458 OAKRIDGE AVE	0	0	0	-3,340.76	.00	3,340.76	100.0%
1040450	4407	B5460 MORNINGSIDE @	0	0	0	-1,893.93	.00	1,893.93	100.0%
1040450	4407	B5462 375 TROUT ROA	0	0	0	-2,931.73	.00	2,931.73	100.0%
1040450	4407	B5463 KENNARD RD 25	0	0	0	-4,872.95	.00	4,872.95	100.0%
1040450	4407	B5465 INSPECTION FE	0	0	0	-4,933.15	.00	4,933.15	100.0%
1040450	4407	B5467 INSPECTION FE	0	0	0	-4,045.80	.00	4,045.80	100.0%
1040450	4407	B5469 140 CARDINAL	0	0	0	-2,386.85	.00	2,386.85	100.0%
1040450	4407	B5470 INSPECTION FE	0	0	0	-4,878.94	.00	4,878.94	100.0%
TOTAL REVENUE-ADVCD. CONSTRC FEE		-40,000	0	-40,000	-79,428.87	.00	39,428.87	198.6%	
1040451 REVENUE-MISC. REIMBURSEMNT									
1040451	4501	EQUIPMENT USE	-1,000	0	-1,000	.00	.00	-1,000.00	.0%*
1040451	4502	ASSESSMENT	-1,000	0	-1,000	.00	.00	-1,000.00	.0%*
1040451	4503	EMPLOYEE GROUP INS	-6,300	0	-6,300	-17,741.04	.00	11,441.04	281.6%
1040451	4514	EMPLOYEE SHARE HEA	-119,058	0	-119,058	.00	.00	-119,058.00	.0%*
TOTAL REVENUE-MISC. REIMBURSEMNT		-127,358	0	-127,358	-17,741.04	.00	-109,616.96	13.9%	
1040470 INTEREST EARNINGS-CASH ACCTS									
1040470	4701	GENERAL CHECKING-I	-10	0	-10	.00	.00	-10.00	.0%*

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ACCOUNTS FOR: 10	FOR: OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1040470	4702	PAYROLL-INTEREST E	-400	0	-400	-177.22	.00	44.3%*
1040470	4717	SWEEP CHECKING-INT	-1,380	0	-1,380	-647.89	.00	46.9%*
TOTAL INTEREST EARNINGS-CASH ACCTS		-1,790	0	-1,790	-825.11	.00	-964.89	46.1%
1040472 INTEREST EARNINGS-PLIGIT								
1040472	4703	PLIGIT-INTEREST EA	-30	0	-30	-7.18	.00	23.9%*
1040472	4711	PLIGIT-EMMAUS-INTE	-200	0	-200	-6.13	.00	3.1%*
1040472	4719	PLIGIT PLUS - INTE	-145	0	-145	-47.53	.00	32.8%*
TOTAL INTEREST EARNINGS-PLIGIT		-375	0	-375	-60.84	.00	-314.16	16.2%
1040474 INTEREST EARNINGS - TRUSTEE								
1040474	4706	BOND REMP/IMP-INTE	-45,750	0	-45,750	-17,837.53	.00	39.0%*
1040474	4707	BRIF/EMMAUS-INTERE	-555	0	-555	-69.19	.00	12.5%*
1040474	4724	INTEREST 93 DEBT S	-62,000	0	-62,000	-31,809.03	.00	51.3%*
1040474	4725	INT 93 OPERATING E	-3,000	0	-3,000	-1,538.07	.00	51.3%*
1040474	4726	INT 93 DEBT SERVIC	-4,320	0	-4,320	-6,546.28	.00	151.5%*
1040474	4727	INT REVENUE FUND	-3,975	0	-3,975	-548.55	.00	13.8%*
1040474	4732	2018 CONSTRUCTION	0	0	0	-5,737.94	.00	100.0%
TOTAL INTEREST EARNINGS - TRUSTEE		-119,600	0	-119,600	-64,086.59	.00	-55,513.41	53.6%
1040480 REVENUES-MISCELLANEOUS								
1040480	4899	MISCELLANEOUS RECE	-50,000	0	-50,000	-75,969.18	.00	151.9%
1040480	4902	MAYLIE FARM RENT	-5,400	0	-5,400	-4,050.00	.00	75.0%*
1040480	4909	SOLAR MAINTENANCE	-30,000	0	-30,000	-15,000.00	.00	50.0%*
TOTAL REVENUES-MISCELLANEOUS		-85,400	0	-85,400	-95,019.18	.00	9,619.18	111.3%
1045921 CIP-COLLECTION MAINT I&I								
1045921	0021	I & I COLLECTION	1,000	0	1,000	.00	.00	.0%

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1045921	0021 6250 N AHERTON PAD	150,000	0	150,000	130,142.35	.00	19,857.65	86.8%
1045921	0021 6268 PRINCETON BACK	20,000	0	20,000	.00	.00	20,000.00	.0%
1045921	0021 6271 SHILOH RELOCAT	413,000	0	413,000	104,408.11	.00	308,591.89	25.3%
1045921	0021 6272 GREENBRIAR ENG	100,000	0	100,000	125,391.07	.00	-25,391.07	125.4%*
1045921	5405 6235 GRAYSWOODS ENG	35,000	0	35,000	24,900.00	.00	10,100.00	71.1%
1045921	5405 6271 SHILOH RELOCAT	7,500	0	7,500	18,420.25	.00	-10,920.25	245.6%*
1045921	5405 6272 GREENBRIAR ENG	10,000	0	10,000	185.00	.00	9,815.00	1.9%
1045921	5405 6300 SCOTT ROAD UPG	175,000	0	175,000	32,000.00	.00	143,000.00	18.3%
1045921	5405 6301 FUTURE SEPTIC	35,000	0	35,000	.00	.00	35,000.00	.0%
1045921	ER01 6271 SHILOH RELOCAT	5,000	0	5,000	.00	.00	5,000.00	.0%
1045921	PV01 6271 SHILOH TRENCH	25,000	0	25,000	.00	.00	25,000.00	.0%
1045921	PV01 6272 PAVING CONTRAC	35,000	0	35,000	23,310.00	.00	11,690.00	66.6%
1045921	PV02 6271 SHILOH BIKE PA	50,000	0	50,000	.00	.00	50,000.00	.0%
TOTAL CIP-COLLECTION MAINT I&I		1,061,500	0	1,061,500	458,756.78	.00	602,743.22	43.2%
1045922 CIP-COLLECTION-CONST. EQUIPM								
1045922	0021 6288 NEW COLLECTION	20,000	0	20,000	20,000.00	.00	.00	100.0%
1045922	0021 6289 NEW COLLECTION	15,900	0	15,900	16,402.86	.00	-502.86	103.2%*
1045922	0021 6290 NEW UNIT 4	15,900	0	15,900	16,393.49	.00	-493.49	103.1%*
1045922	0021 6302 BROOM SKID STE	7,500	0	7,500	7,300.00	.00	200.00	97.3%
1045922	0021 6303 LATERAL CAMERA	9,000	0	9,000	9,695.00	.00	-695.00	107.7%*
TOTAL CIP-COLLECTION-CONST. EQUIPM		68,300	0	68,300	69,791.35	.00	-1,491.35	102.2%
1045924 CIP-WWTP-PHYSICAL PLANT								
1045924	0024 6256 ENR/AWT PROJEC	0	0	0	85,686.74	.00	-85,686.74	100.0%*
1045924	0024 6260 SOLAR PROJECT	0	0	0	3,167.25	.00	-3,167.25	100.0%*
1045924	0024 6291 ENR/AWT SCADA	0	0	0	76,271.97	.00	-76,271.97	100.0%*
1045924	0024 6294 NEW TRUCK PLAN	15,300	0	15,300	15,300.00	.00	.00	100.0%
1045924	0024 6304 AERATION SYSTE	300,000	0	300,000	34,298.65	.00	265,701.35	11.4%
1045924	0024 6305 SCISSORS LIFT	20,000	0	20,000	.00	.00	20,000.00	.0%
1045924	0024 6306 HEADWORKS HEAT	7,500	0	7,500	.00	.00	7,500.00	.0%
1045924	0024 6307 VFD'S DRAIN ST	23,000	0	23,000	.00	.00	23,000.00	.0%
1045924	5405 6256 ENR/AWT ENGINE	0	0	0	29,976.88	.00	-29,976.88	100.0%*
TOTAL CIP-WWTP-PHYSICAL PLANT		365,800	0	365,800	244,701.49	.00	121,098.51	66.9%
1045928 CIP-BENEFICIAL REUSE								
1045928	0028 6239 MF MEMBRANE RE	81,000	0	81,000	81,000.00	.00	.00	100.0%

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1045928	0028 6262 WATERLINE PH 2	1,000,000	0	1,000,000	695,965.69	.00	304,034.31	69.6%
1045928	0028 6299 GDK INSTRUMENT	0	0	0	28,359.62	.00	-28,359.62	100.0%*
1045928	0028 6308 AWT CHEMICAL P	12,000	0	12,000	15,379.48	.00	-3,379.48	128.2%*
1045928	5405 6261 WATERLINE PH 2	45,000	0	45,000	24,191.84	.00	20,808.16	53.8%
1045928	ER05 6262 HARRIS REUSE T	85,000	0	85,000	90,332.75	.00	-5,332.75	106.3%*
TOTAL CIP-BENEFICIAL REUSE		1,223,000	0	1,223,000	935,229.38	.00	287,770.62	76.5%
1045929 CIP-WWTP-DEWATERING FACILITY								
1045929	0029 6309 BIG BERTHA MIX	95,000	0	95,000	125,611.69	.00	-30,611.69	132.2%*
TOTAL CIP-WWTP-DEWATERING FACILITY		95,000	0	95,000	125,611.69	.00	-30,611.69	132.2%
1045930 CIP-WWTP-COMPOST FACILITY								
1045930	0030 6245 ODOR CONTROL	500,000	0	500,000	243,514.12	.00	256,485.88	48.7%
1045930	0030 6295 NEW COMPOST LO	40,000	0	40,000	40,000.00	.00	.00	100.0%
1045930	5405 6245 ODOR CONTROL E	20,000	0	20,000	23,711.86	.00	-3,711.86	118.6%*
TOTAL CIP-WWTP-COMPOST FACILITY		560,000	0	560,000	307,225.98	.00	252,774.02	54.9%
1050050 GENERAL & ADMINISTRATIVE								
1050050	5001 SUPERVISOR LABOR	263,347	0	263,347	160,992.22	.00	102,354.78	61.1%
1050050	5002 REGULAR LABOR	442,013	0	442,013	301,318.54	.00	140,694.46	68.2%
1050050	5006 VACATION	0	0	0	61,289.95	.00	-61,289.95	100.0%*
1050050	5007 SICK	0	0	0	50,435.44	.00	-50,435.44	100.0%*
1050050	5008 PERSONAL	0	0	0	4,697.51	.00	-4,697.51	100.0%*
1050050	5009 JURY/CIVIL/VOLUNTE	0	0	0	561.98	.00	-561.98	100.0%*
1050050	5010 HOLIDAY	0	0	0	20,063.36	.00	-20,063.36	100.0%*
1050050	5101 FICA EXPENSE	43,733	0	43,733	32,554.79	.00	11,178.21	74.4%
1050050	5102 MEDICARE EXPENSE	10,228	0	10,228	7,613.68	.00	2,614.32	74.4%
1050050	5201 UNEMPLOYMENT EXPEN	19,000	0	19,000	19,027.95	.00	-27.95	100.1%*
1050050	5202 GROUP HEALTH INSUR	118,743	0	118,743	117,203.02	.00	1,539.98	98.7%
1050050	5203 PENSION (401) UAJA	70,536	0	70,536	50,801.49	.00	19,734.51	72.0%
1050050	5205 COBRA EMPLOYEE INS	6,300	0	6,300	4,817.59	.00	1,482.41	76.5%
1050050	5207 GROUP LIFE INSURAN	63,500	0	63,500	67,692.35	.00	-4,192.35	106.6%*

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1050050	5208	HEALTH DEDUCTIBLE	175,000	0	175,000	125,146.92	.00	49,853.08	71.5%
1050050	5301	OFFICE SUPPLIES	15,000	0	15,000	13,407.15	.00	1,592.85	89.4%
1050050	5302	POSTAGE/SHIPPING	30,000	0	30,000	27,125.13	.00	2,874.87	90.4%
1050050	5303	JANITORIAL SUPPLIE	7,000	0	7,000	6,985.45	.00	14.55	99.8%
1050050	5307	PETTY CASH EXPENDI	200	0	200	85.55	.00	114.45	42.8%
1050050	5401	ADVERTISING	3,000	0	3,000	4,452.29	.00	-1,452.29	148.4%*
1050050	5402	AUDIT	22,000	0	22,000	22,222.56	.00	-222.56	101.0%*
1050050	5403	6107 MAYLIE PROPERT	3,000	0	3,000	6,864.59	.00	-3,864.59	228.8%*
1050050	5405	ENGINEERING-RETAIN	15,000	0	15,000	29,484.34	.00	-14,484.34	196.6%*
1050050	5406	LEGAL	25,000	0	25,000	87,162.43	.00	-62,162.43	348.6%*
1050050	5408	INSURANCE - COMMER	253,000	0	253,000	261,780.28	.00	-8,780.28	103.5%*
1050050	5499	MISCELLANEOUS OUTS	15,000	0	15,000	4,672.95	.00	10,327.05	31.2%
1050050	5501	1054 O & M - COPIER	8,850	0	8,850	11,917.59	.00	-3,067.59	134.7%*
1050050	5601	COMMUNICATIONS	40,000	0	40,000	27,900.43	.00	12,099.57	69.8%
1050050	5701	TRAINING, SEMINARS	5,000	0	5,000	2,506.10	.00	2,493.90	50.1%
1050050	5702	MEMBERSHIPS, SUBSC	6,500	0	6,500	6,415.00	.00	85.00	98.7%
1050050	5703	UNIFORMS-BOOTS-GLO	18,000	0	18,000	11,711.81	.00	6,288.19	65.1%
1050050	5704	VACCINATIONS	3,000	0	3,000	125.00	.00	2,875.00	4.2%
1050050	5705	RECRUITING EXPENSE	100	0	100	.00	.00	100.00	.0%
1050050	5706	EMPLOYEE/EMPLOYER	1,000	0	1,000	2,814.13	.00	-1,814.13	281.4%*
1050050	5707	MEAL ALLOWANCE	500	0	500	21.37	.00	478.63	4.3%
1050050	5708	SAFETY EQUIPMENT	7,500	0	7,500	21,167.26	.00	-13,667.26	282.2%*
1050050	5709	SAFETY TRAINING	3,000	0	3,000	.00	.00	3,000.00	.0%
1050050	5710	DRUG/ALCOHOL TESTI	500	0	500	485.00	.00	15.00	97.0%
1050050	6006	MISCELLANEOUS EXPE	1,000	0	1,000	880.00	.00	120.00	88.0%
1050050	6007	BANK FEES/CHARGES	100	0	100	.00	.00	100.00	.0%
1050050	6008	BAD DEBT/WRITE OFF	100	0	100	.00	.00	100.00	.0%
1050050	6015	WATER-CTWA	5,000	0	5,000	5,576.98	.00	-576.98	111.5%*
1050050	6017	GARBAGE	10,000	0	10,000	9,316.53	.00	683.47	93.2%
1050050	6019	CNET	8,570	0	8,570	6,427.50	.00	2,142.50	75.0%
TOTAL GENERAL & ADMINISTRATIVE		1,719,320	0	1,719,320	1,595,724.21	.00	123,595.79	92.8%	
1050053 G & A - INFORMATION TECHNOLOGY									
1050053	IT71	INTERNET SERVICE	5,000	0	5,000	3,741.20	.00	1,258.80	74.8%
1050053	IT72	HARDWARE-DATA PROC	5,000	0	5,000	10,364.37	.00	-5,364.37	207.3%*
1050053	IT73	SOFTWARE-DATA PROC	60,000	0	60,000	47,669.87	.00	12,330.13	79.4%
1050053	IT74	TRAINING-DATA PROC	1,000	0	1,000	.00	.00	1,000.00	.0%
TOTAL G & A - INFORMATION TECHNOLOGY		71,000	0	71,000	61,775.44	.00	9,224.56	87.0%	
1050054 G & A - FLEET/FUEL									
1050054	5502	VEHICLE MAINTENANC	45,000	0	45,000	60,788.71	.00	-15,788.71	135.1%*

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1050054	5603 1006 GASOLINE.	49,500	0	49,500	21,736.86	.00	27,763.14	43.9%
1050054	5603 1008 DIESEL FUEL	66,000	0	66,000	71,589.66	.00	-5,589.66	108.5%*
	TOTAL G & A - FLEET/FUEL	160,500	0	160,500	154,115.23	.00	6,384.77	96.0%
1052052 DEBT SERVICE								
1052052	5801 INTEREST PAID-1993	2,261,980	0	2,261,980	1,024,791.20	.00	1,237,188.80	45.3%
1052052	5802 INTEREST PAID - EM	5,000	0	5,000	2,097.19	.00	2,902.81	41.9%
1052052	5901 PRINCIPAL PAID-199	4,003,000	0	4,003,000	.00	.00	4,003,000.00	.0%
1052052	5903 PRINCIPAL PAID-EMM	90,000	0	90,000	90,000.00	.00	.00	100.0%
1052052	6106 TRUSTEE FEES EMMAU	1,800	0	1,800	2,028.00	.00	-228.00	112.7%*
1052052	6120 TRUSTEE FEE 12	1,778	0	1,778	1,777.88	.00	.12	100.0%
1052052	6122 2015 TRUSTEE FEES	1,650	0	1,650	1,777.88	.00	-127.88	107.8%*
1052052	6123 TRUSTEE FEE 2016	1,650	0	1,650	1,650.00	.00	.00	100.0%
1052052	6124 TRUSTEE FEE 2017	1,650	0	1,650	1,650.00	.00	.00	100.0%
1052052	6125 TRUSTEE FESS 2017A	1,650	0	1,650	1,650.00	.00	.00	100.0%
1052052	6126 TRUSTEE FEE 2017B	1,650	0	1,650	.00	.00	1,650.00	.0%
1052052	6127 TRUSTEE FEE 2018	1,650	0	1,650	1,650.00	.00	.00	100.0%
	TOTAL DEBT SERVICE	6,373,458	0	6,373,458	1,129,072.15	.00	5,244,385.85	17.7%
1060019 WWTP - LABORATORY								
1060019	5001 SUPERVISOR LABOR	79,088	0	79,088	64,670.43	.00	14,417.57	81.8%
1060019	5002 REGULAR LABOR	137,233	0	137,233	101,415.43	.00	35,817.57	73.9%
1060019	5003 OVERTIME LABOR	500	0	500	388.78	.00	111.22	77.8%
1060019	5006 VACATION	0	0	0	9,358.89	.00	-9,358.89	100.0%*
1060019	5007 SICK	0	0	0	1,616.27	.00	-1,616.27	100.0%*
1060019	5008 PERSONAL DAY	0	0	0	595.14	.00	-595.14	100.0%*
1060019	5009 JURY/CIVIL/VOLUNTE	0	0	0	583.17	.00	-583.17	100.0%*
1060019	5010 HOLIDAY	0	0	0	4,999.18	.00	-4,999.18	100.0%*
1060019	5101 FICA EXPENSE	13,442	0	13,442	11,598.23	.00	1,843.77	86.3%
1060019	5102 MEDICARE EXPENSE	3,144	0	3,144	2,712.71	.00	431.29	86.3%
1060019	5202 GROUP HEALTH INSUR	28,692	0	28,692	31,301.72	.00	-2,609.72	109.1%*
1060019	5203 PENSION (401) UAJA	14,771	0	14,771	12,547.02	.00	2,223.98	84.9%
1060019	5305 SMALL EQUIPMT/TOOL	250	0	250	.00	.00	250.00	.0%
1060019	5306 LAB SUPPLIES	23,000	0	23,000	22,636.18	.00	363.82	98.4%
1060019	5501 EQUIPMENT MAINTENA	3,500	0	3,500	2,073.23	.00	1,426.77	59.2%
	TOTAL WWTP - LABORATORY	303,620	0	303,620	266,496.38	.00	37,123.62	87.8%

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1060022 TREATMENT PLANT MAINTENANCE								
1060022	5001	SUPERVISOR LABOR	0	36,895	28,986.92	.00	7,908.08	78.6%
1060022	5002	REGULAR LABOR	0	448,768	323,973.17	.00	124,794.83	72.2%
1060022	5002	B5001 REGULAR LABOR	0	0	988.75	.00	-988.75	100.0%*
1060022	5003	OVERTIME LABOR	0	4,000	5,611.05	.00	-1,611.05	140.3%*
1060022	5006	VACATION	0	0	21,804.64	.00	-21,804.64	100.0%*
1060022	5007	SICK	0	0	10,464.76	.00	-10,464.76	100.0%*
1060022	5008	PERSONAL DAY	0	0	3,900.87	.00	-3,900.87	100.0%*
1060022	5009	JURY/CIVIL/VOLUNTE	0	0	746.98	.00	-746.98	100.0%*
1060022	5010	HOLIDAY	0	0	11,567.79	.00	-11,567.79	100.0%*
1060022	5101	FICA EXPENSE	0	30,111	25,908.12	.00	4,202.88	86.0%
1060022	5102	MEDICARE EXPENSE	0	7,042	6,059.16	.00	982.84	86.0%
1060022	5202	GROUP HEALTH INSUR	0	88,937	72,938.49	.00	15,998.51	82.0%
1060022	5202	B5001 GROUP HEALTH	0	0	61.94	.00	-61.94	100.0%*
1060022	5203	PENSION (401) UAJA	0	26,128	20,325.00	.00	5,803.00	77.8%
1060022	5304	OPERATIONAL SUPPLI	0	5,500	1,690.80	.00	3,809.20	30.7%
1060022	5305	SMALL EQUIPMT/TOOL	0	14,000	9,289.21	.00	4,710.79	66.4%
1060022	5501	EQUIPMENT MAINTENA	0	190,000	256,233.94	.00	-66,233.94	134.9%*
1060022	5501	6174 SCADIA MAINT	0	40,000	79,165.95	.00	-39,165.95	197.9%*
1060022	5501	6175 UV MAINT	0	40,000	31,431.15	.00	8,568.85	78.6%
1060022	5501	6283 SOLAR MAINTENA	0	30,000	55,944.14	.00	-25,944.14	186.5%*
1060022	5503	BUILDING & GROUND	0	40,000	46,280.79	.00	-6,280.79	115.7%*
1060022	5508	GRIT REMOVAL-PLANT	0	20,000	25,351.65	.00	-5,351.65	126.8%*
1060022	5603	FUEL, OIL, LUBRICA	0	15,000	17,745.72	.00	-2,745.72	118.3%*
1060022	7511	LANDSCAPE	0	35,000	32,561.50	.00	2,438.50	93.0%
TOTAL TREATMENT PLANT MAINTENANCE		1,071,381	0	1,071,381	1,089,032.49	.00	-17,651.49	101.6%
1060023 MAIN STATION								
1060023	5001	B5001 SUPERVISOR LA	0	0	67.03	.00	-67.03	100.0%*
1060023	5002	B5001 REGULAR LABOR	0	0	19,519.90	.00	-19,519.90	100.0%*
1060023	5101	B5001 FICA EXPENSE	0	0	1,214.41	.00	-1,214.41	100.0%*
1060023	5102	B5001 MEDICARE EXPE	0	0	284.01	.00	-284.01	100.0%*
1060023	5202	B5001 GROUP HEALTH	0	0	2,784.36	.00	-2,784.36	100.0%*
1060023	5203	B5001 PENSION (401)	0	0	971.94	.00	-971.94	100.0%*
1060023	5505	B5001 PUMP STATION	0	7,500	41,392.56	.00	-33,892.56	551.9%*
1060023	5602	B5001 O&M MAIN STAT	0	39,317	16,087.27	.00	23,229.73	40.9%
TOTAL MAIN STATION		46,817	0	46,817	82,321.48	.00	-35,504.48	175.8%

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1060025 WWTP - IPP								
1060025	5001	SUPERVISOR LABOR	0	79,088	64,616.74	.00	14,471.26	81.7%
1060025	5006	VACATION	0	0	1,687.85	.00	-1,687.85	100.0%*
1060025	5007	SICK	0	0	46.70	.00	-46.70	100.0%*
1060025	5010	HOLIDAY	0	0	797.78	.00	-797.78	100.0%*
1060025	5101	FICA EXPENSE	0	4,903	4,163.33	.00	739.67	84.9%
1060025	5102	MEDICARE EXPENSE	0	1,147	973.71	.00	173.29	84.9%
1060025	5202	GROUP HEALTH INSUR	0	14,740	13,277.69	.00	1,462.31	90.1%
1060025	5203	PENSION (401) UAJA	0	7,909	6,715.05	.00	1,193.95	84.9%
1060025	5305	SMALL EQUIPMT/TOOL	0	200	518.14	.00	-318.14	259.1%*
1060025	5410	ANALYSIS	0	3,500	.00	.00	3,500.00	.0%
1060025	5501	EQUIPMENT MAINTENA	0	500	696.08	.00	-196.08	139.2%*
TOTAL WWTP - IPP		111,987	0	111,987	93,493.07	.00	18,493.93	83.5%
1060028 WWTP - BENEFICIAL REUSE								
1060028	5001	SUPERVISOR LABOR	0	36,895	28,986.92	.00	7,908.08	78.6%
1060028	5006	VACATION	0	0	1,687.85	.00	-1,687.85	100.0%*
1060028	5007	SICK	0	0	46.70	.00	-46.70	100.0%*
1060028	5010	HOLIDAY	0	0	797.78	.00	-797.78	100.0%*
1060028	5101	FICA EXPENSE	0	2,287	1,954.17	.00	332.83	85.4%
1060028	5102	MEDICARE EXPENSE	0	535	457.00	.00	78.00	85.4%
1060028	5202	GROUP HEALTH INSUR	0	5,398	6,049.77	.00	-651.77	112.1%*
1060028	5203	PENSION (401) UAJA	0	3,690	3,152.00	.00	538.00	85.4%
1060028	5304	OPERATIONAL SUPPLI	0	15,000	19,433.12	.00	-4,433.12	129.6%*
1060028	5304	1065 OPERATIONAL SU	0	325,000	391,191.79	.00	-66,191.79	120.4%*
1060028	5305	SMALL EQUIPMT/TOOL	0	1,000	.00	.00	1,000.00	.0%
1060028	5410	LAB ANALYSIS	0	15,000	13,901.40	.00	1,098.60	92.7%
1060028	5501	EQUIPMENT MAINTENA	0	125,000	123,107.84	.00	1,892.16	98.5%
1060028	5602	1064 POWER	0	200,625	155,771.50	.00	44,853.50	77.6%
1060028	5605	CTWA REIMBURSE	0	65,000	56,086.76	.00	8,913.24	86.3%
TOTAL WWTP - BENEFICIAL REUSE		795,430	0	795,430	802,624.60	.00	-7,194.60	100.9%
1060029 WWTP - DEWATERING								
1060029	5001	SUPERVISOR LABOR	0	36,895	28,980.29	.00	7,914.71	78.5%

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1060029	5002	REGULAR LABOR	114,000	0	114,000	60,171.62	.00	53,828.38	52.8%
1060029	5003	OVERTIME LABOR	2,000	0	2,000	1,325.82	.00	674.18	66.3%
1060029	5006	VACATION	0	0	0	7,113.35	.00	-7,113.35	100.0%*
1060029	5007	SICK	0	0	0	1,523.16	.00	-1,523.16	100.0%*
1060029	5008	PERSONAL	0	0	0	1,344.09	.00	-1,344.09	100.0%*
1060029	5010	HOLIDAY	0	0	0	2,751.82	.00	-2,751.82	100.0%*
1060029	5101	FICA EXPENSE	9,479	0	9,479	6,490.71	.00	2,988.29	68.5%
1060029	5102	MEDICARE EXPENSE	2,217	0	2,217	1,518.06	.00	698.94	68.5%
1060029	5202	GROUP HEALTH INSUR	27,412	0	27,412	17,058.10	.00	10,353.90	62.2%
1060029	5203	PENSION (401) UAJA	9,390	0	9,390	6,669.88	.00	2,720.12	71.0%
1060029	5304	OPERATIONAL SUPPLI	500	0	500	251.02	.00	248.98	50.2%
1060029	5304	1036 POLYMER	53,000	0	53,000	36,800.00	.00	16,200.00	69.4%
1060029	5501	EQUIPMENT MAINTENA	75,000	0	75,000	56,272.31	.00	18,727.69	75.0%
1060029	5602	1042 POWER-DEWATERI	72,954	0	72,954	70,805.21	.00	2,148.79	97.1%
TOTAL WWTP - DEWATERING		402,847	0	402,847	299,075.44	.00	103,771.56	74.2%	
1060030 WWTP - COMPOST									
1060030	5001	SUPERVISOR LABOR	36,895	0	36,895	28,980.29	.00	7,914.71	78.5%
1060030	5002	REGULAR LABOR	256,590	0	256,590	154,852.80	.00	101,737.20	60.4%
1060030	5003	OVERTIME LABOR	7,500	0	7,500	24,226.49	.00	-16,726.49	323.0%*
1060030	5006	VACATION	0	0	0	26,933.90	.00	-26,933.90	100.0%*
1060030	5007	SICK	0	0	0	53,638.89	.00	-53,638.89	100.0%*
1060030	5008	PERSONAL	0	0	0	4,593.50	.00	-4,593.50	100.0%*
1060030	5009	JURY/CIVIL/VOLUNTE	0	0	0	261.56	.00	-261.56	100.0%*
1060030	5010	HOLIDAY	0	0	0	8,372.57	.00	-8,372.57	100.0%*
1060030	5101	FICA EXPENSE	18,661	0	18,661	16,615.34	.00	2,045.66	89.0%
1060030	5102	MEDICARE EXPENSE	4,365	0	4,365	3,885.93	.00	479.07	89.0%
1060030	5202	GROUP HEALTH INSUR	63,102	0	63,102	63,832.54	.00	-730.54	101.2%*
1060030	5203	PENSION (401) UAJA	16,519	0	16,519	13,616.84	.00	2,902.16	82.4%
1060030	5304	OPERATIONAL SUPPLI	1,000	0	1,000	1,561.87	.00	-561.87	156.2%*
1060030	5304	1038 COMPOST AMEND	120,000	0	120,000	101,912.25	.00	18,087.75	84.9%
1060030	5305	SMALL EQUIPMT/TOOL	2,500	0	2,500	2,143.47	.00	356.53	85.7%
1060030	5409	LICENSE & FEES	5,500	0	5,500	4,782.65	.00	717.35	87.0%
1060030	5410	LAB ANALYSIS	11,500	0	11,500	3,036.00	.00	8,464.00	26.4%
1060030	5413	MARKETING	1,000	0	1,000	.00	.00	1,000.00	.0%
1060030	5415	VECTOR CONTROL	5,843	0	5,843	5,842.59	.00	.41	100.0%
1060030	5501	EQUIPMENT MAINTENA	50,000	0	50,000	19,355.75	.00	30,644.25	38.7%
1060030	5506	1032 SKID STEER 184	5,000	0	5,000	5,515.01	.00	-515.01	110.3%*
1060030	5506	1033 FRONT END LOAD	0	0	0	2,931.08	.00	-2,931.08	100.0%*
1060030	5506	1055 STREET SWEEPER	4,000	0	4,000	2,279.29	.00	1,720.71	57.0%

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1060030	5506 1062	CAT SKID STEER	5,000	0	5,000	7,752.41	.00	-2,752.41 155.0%*
1060030	5506 1071	LOADER MAINT 6	10,000	0	10,000	2,974.73	.00	7,025.27 29.7%
1060030	5506 1072	TROMMEL	7,000	0	7,000	2,120.12	.00	4,879.88 30.3%
1060030	5602 1041	POWER-COMPOST	131,319	0	131,319	127,449.39	.00	3,869.61 97.1%
1060030	5603 1007	NATURAL GAS -	120,000	0	120,000	101,323.55	.00	18,676.45 84.4%
TOTAL WWTP - COMPOST		883,294	0	883,294	790,790.81	.00	92,503.19	89.5%
1060032 TREATMENT PLANT OPERATION								
1060032	5001	SUPERVISOR LABOR	36,895	0	36,895	31,058.09	.00	5,836.91 84.2%
1060032	5002	REGULAR LABOR	627,336	0	627,336	456,140.78	.00	171,195.22 72.7%
1060032	5003	OVERTIME LABOR	60,000	0	60,000	47,275.84	.00	12,724.16 78.8%
1060032	5004	SHIFT LABOR	12,000	0	12,000	9,763.56	.00	2,236.44 81.4%
1060032	5006	VACATION	0	0	0	54,286.51	.00	-54,286.51 100.0%*
1060032	5007	SICK	0	0	0	50,866.65	.00	-50,866.65 100.0%*
1060032	5008	PERSONAL DAY	0	0	0	11,392.59	.00	-11,392.59 100.0%*
1060032	5010	HOLIDAY	0	0	0	20,888.09	.00	-20,888.09 100.0%*
1060032	5101	FICA EXPENSE	45,646	0	45,646	39,445.91	.00	6,200.09 86.4%
1060032	5102	MEDICARE EXPENSE	10,675	0	10,675	9,225.38	.00	1,449.62 86.4%
1060032	5202	GROUP HEALTH INSUR	145,634	0	145,634	137,060.54	.00	8,573.46 94.1%
1060032	5203	PENSION (401) UAJA	35,057	0	35,057	26,240.10	.00	8,816.90 74.8%
1060032	5304	OPERATION SUPPLIES	500	0	500	-39.84	.00	539.84 -8.0%
1060032	5304 1034	ALUM	160,000	0	160,000	215,600.55	.00	-55,600.55 134.8%*
1060032	5304 1070	CARBON SUPPLEM	225,000	0	225,000	214,003.23	.00	10,996.77 95.1%
1060032	5405 1053	STREAM MONITOR	14,250	0	14,250	25,835.00	.00	-11,585.00 181.3%*
1060032	5409	LICENSE & FEES	9,000	0	9,000	4,900.00	.00	4,100.00 54.4%
1060032	5410	ANALYSIS	10,000	0	10,000	27,051.15	.00	-17,051.15 270.5%*
1060032	5499	MISCELLANEOUS OUTS	40,000	0	40,000	36,138.71	.00	3,861.29 90.3%
1060032	5602 1043	POWER-PLANT	364,773	0	364,773	354,026.17	.00	10,746.83 97.1%
TOTAL TREATMENT PLANT OPERATION		1,796,766	0	1,796,766	1,771,159.01	.00	25,606.99	98.6%
1070021 COLLECTION-MAINTENANCE								
1070021	5001	SUPERVISOR LABOR	130,130	0	130,130	98,109.73	.00	32,020.27 75.4%
1070021	5002	REGULAR LABOR	973,383	0	973,383	119,884.51	.00	853,498.49 12.3%
1070021	5002 6172	REGULAR LABOR	0	0	0	64,338.48	.00	-64,338.48 100.0%*
1070021	5002 6262	WATERLINE PH 2	0	0	0	267,584.58	.00	-267,584.58 100.0%*
1070021	5002 6267	REGULAR LABOR	0	0	0	1,447.04	.00	-1,447.04 100.0%*

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FOR 2020 10

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1070021 5002 6272 REGULAR LABOR	0	0	0	246,184.62	.00	-246,184.62	100.0%*
1070021 5002 B5002 REGULAR LABOR	0	0	0	6,739.78	.00	-6,739.78	100.0%*
1070021 5002 B5003 REGULAR LABOR	0	0	0	6,667.43	.00	-6,667.43	100.0%*
1070021 5002 B5004 REGULAR LABOR	0	0	0	6,812.13	.00	-6,812.13	100.0%*
1070021 5002 B5462 375 TROUT ROA	0	0	0	1,138.06	.00	-1,138.06	100.0%*
1070021 5002 B5463 KENNARD RD 25	0	0	0	1,138.04	.00	-1,138.04	100.0%*
1070021 5002 B5465 FERGUSON TWP	0	0	0	1,388.85	.00	-1,388.85	100.0%*
1070021 5002 B5467 REGULAR LABOR	0	0	0	1,068.96	.00	-1,068.96	100.0%*
1070021 5002 B5469 REGULAR LABOR	0	0	0	1,013.54	.00	-1,013.54	100.0%*
1070021 5003 OVERTIME LABOR	15,000	0	15,000	13,187.47	.00	1,812.53	87.9%
1070021 5003 6172 OVERTIME LABOR	0	0	0	68.20	.00	-68.20	100.0%*
1070021 5003 6262 WATERLINE PH 2	0	0	0	42.93	.00	-42.93	100.0%*
1070021 5003 6272 OVERTIME LABOR	0	0	0	372.43	.00	-372.43	100.0%*
1070021 5006 VACATION	0	0	0	38,747.53	.00	-38,747.53	100.0%*
1070021 5007 SICK	0	0	0	22,355.80	.00	-22,355.80	100.0%*
1070021 5008 PERSONAL	0	0	0	11,386.82	.00	-11,386.82	100.0%*
1070021 5009 JURY/CIVIL/VOLUNTE	0	0	0	1,532.98	.00	-1,532.98	100.0%*
1070021 5010 HOLIDAY	0	0	0	38,281.39	.00	-38,281.39	100.0%*
1070021 5101 FICA EXPENSE	68,418	0	68,418	55,670.89	.00	12,747.11	81.4%
1070021 5101 6172 FICA EXPENSE	0	0	0	3,993.16	.00	-3,993.16	100.0%*
1070021 5102 MEDICARE EXPENSE	16,001	0	16,001	13,012.90	.00	2,988.10	81.3%
1070021 5102 6172 MEDICARE EXPEN	0	0	0	934.00	.00	-934.00	100.0%*
1070021 5202 GROUP HEALTH INSUR	287,396	0	287,396	256,557.91	.00	30,838.09	89.3%
1070021 5202 6172 GROUP HEALTH I	0	0	0	19,117.90	.00	-19,117.90	100.0%*
1070021 5203 PENSION (401) UAJA	61,682	0	61,682	40,402.28	.00	21,279.72	65.5%
1070021 5203 6172 PENSION (401)	0	0	0	2,296.88	.00	-2,296.88	100.0%*
1070021 5304 OPERATION SUPPLIES	0	0	0	358.50	.00	-358.50	100.0%*
1070021 5305 SMALL EQUIPMT/TOOL	16,000	0	16,000	10,064.59	.00	5,935.41	62.9%
1070021 5504 SEWER LINE MAINTEN	120,000	0	120,000	62,074.17	.00	57,925.83	51.7%
1070021 ER01 RENTAL OF EQUIPMEN	1,000	0	1,000	550.00	.00	450.00	55.0%
1070021 ER14 RENTAL LOWBOY	2,500	0	2,500	3,705.61	.00	-1,205.61	148.2%*
1070021 PV01 TRENCH PAVING-CONT	20,000	0	20,000	.00	.00	20,000.00	.0%
TOTAL COLLECTION-MAINTENANCE	1,711,510	0	1,711,510	1,418,230.09	.00	293,279.91	82.9%
1070022 CONSTRUCT EQUIP MAINTENANCE							
1070022 5501 SMALL EQUIPMENT MA	5,500	0	5,500	1,827.61	.00	3,672.39	33.2%
1070022 5506 LG. CONSTRC. EQUIP	40,000	0	40,000	51,826.24	.00	-11,826.24	129.6%*
TOTAL CONSTRUCT EQUIP MAINTENANCE	45,500	0	45,500	53,653.85	.00	-8,153.85	117.9%
1070034 COLLECTION-INSPECTION							
1070034 5001 SUPERVISOR LABOR	130,130	0	130,130	98,110.07	.00	32,019.93	75.4%

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ACCOUNTS FOR: 10	OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1070034	5002 REGULAR LABOR	203,504	0	203,504	143,518.47	.00	59,985.53	70.5%
1070034	5002 B5026 GRAYSWOODS	0	0	0	2,279.17	.00	-2,279.17	100.0%*
1070034	5002 B5422 REGULAR LABOR	0	0	0	793.75	.00	-793.75	100.0%*
1070034	5002 B5457 GRACE HILLS C	0	0	0	1,247.29	.00	-1,247.29	100.0%*
1070034	5002 B5466 HARNER FARM S	0	0	0	894.44	.00	-894.44	100.0%*
1070034	5003 OVERTIME LABOR	10,000	0	10,000	10,775.17	.00	-775.17	107.8%*
1070034	5006 VACATION	0	0	0	15,104.61	.00	-15,104.61	100.0%*
1070034	5007 SICK	0	0	0	3,278.85	.00	-3,278.85	100.0%*
1070034	5008 PERSONAL	0	0	0	2,097.40	.00	-2,097.40	100.0%*
1070034	5010 HOLIDAY	0	0	0	7,746.97	.00	-7,746.97	100.0%*
1070034	5101 FICA EXPENSE	20,685	0	20,685	17,906.15	.00	2,778.85	86.6%
1070034	5102 MEDICARE EXPENSE	4,838	0	4,838	4,187.83	.00	650.17	86.6%
1070034	5202 GROUP HEALTH INSUR	35,834	0	35,834	33,559.88	.00	2,274.12	93.7%
1070034	5203 PENSION (401) UAJA	23,188	0	23,188	18,901.56	.00	4,286.44	81.5%
1070034	5304 OPERATIONAL SUPPLI	1,500	0	1,500	1,919.04	.00	-419.04	127.9%*
1070034	5305 SMALL EQUIPMT/TOOL	500	0	500	.00	.00	500.00	.0%
1070034	5507 SEWER LINE INSPEC/	0	0	0	3,826.34	.00	-3,826.34	100.0%*
1070034	5507 B5026 GRAYSWOODS	0	0	0	1,845.00	.00	-1,845.00	100.0%*
1070034	5507 B5192 VILLAGE AT PE	0	0	0	933.10	.00	-933.10	100.0%*
1070034	5507 B5353 INSPECTION EN	0	0	0	1,473.55	.00	-1,473.55	100.0%*
1070034	5507 B5422 INSPECTION EN	0	0	0	5,261.00	.00	-5,261.00	100.0%*
1070034	5507 B5444 INSPECTION EN	0	0	0	1,026.25	.00	-1,026.25	100.0%*
1070034	5507 B5460 MORNINGSIDE @	0	0	0	627.05	.00	-627.05	100.0%*
1070034	5507 B5464 RHODES LANE	0	0	0	650.85	.00	-650.85	100.0%*
1070034	5507 B5468 INSPECTION EN	0	0	0	1,290.00	.00	-1,290.00	100.0%*
TOTAL COLLECTION-INSPECTION		430,179	0	430,179	379,253.79	.00	50,925.21	88.2%
1070036 COLLECTION-PUMP STATION								
1070036	5305 SMALL EQUIPMT/TOOL	1,000	0	1,000	-11.04	.00	1,011.04	-1.1%
1070036	5501 EQUIPMENT MAINTENA	12,000	0	12,000	14,712.93	.00	-2,712.93	122.6%*
1070036	5505 O & M PUMP STATION	70,000	0	70,000	34,580.87	.00	35,419.13	49.4%
1070036	5505 B5002 O & M CLASTER	200	0	200	.00	.00	200.00	.0%
1070036	5505 B5003 O & M NORTH M	200	0	200	.00	.00	200.00	.0%
1070036	5505 B5004 O & M SOUTH M	200	0	200	.00	.00	200.00	.0%
1070036	5602 POWER	50,000	0	50,000	49,851.06	.00	148.94	99.7%
1070036	5602 B5002 POWER-CLASTER	500	0	500	166.06	.00	333.94	33.2%
1070036	5602 B5004 POWER-SOUTH M	150	0	150	210.22	.00	-60.22	140.1%*
1070036	5603 PUMP STATION PROPA	1,000	0	1,000	746.53	.00	253.47	74.7%
TOTAL COLLECTION-PUMP STATION		135,250	0	135,250	100,256.63	.00	34,993.37	74.1%

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FOR 2020 10

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
TOTAL OPERATING FUND	2,452,586	0	2,452,586	-1,480,784.64	.00	3,933,370.64	-60.4%
TOTAL REVENUES	-16,979,873	0	-16,979,873	-13,709,175.98	.00	-3,270,697.02	
TOTAL EXPENSES	19,432,459	0	19,432,459	12,228,391.34	.00	7,204,067.66	



UNIVERSITY AREA JOINT AUTHORITY

To: UAJA Board
From: Jason Brown
Re: Financial Report - End of October 2020

Cash Accounts

General Checking	\$232,734.58
Payroll Checking	\$11,296.79
PLIGIT Checking	\$1,520.83
Petty Cash	\$117.59

Revenue Fund Accounts

Revenue Sweep	\$336,535.51
Revenue Trustee	\$1,563,934.61

Savings Accounts

PLIGIT Plus	\$8,485.17
93 BRIF	\$7,279,479.96
Emmaus BRIF	\$217,089.09

TOTAL LIQUID ASSETS **\$9,652,018.34**

Dedicated Accounts

PLIGIT Emmaus	\$450.62
2012 DSF	\$506,000.13
2015 DSF	\$3,978.11
2016 DSF	\$72,065.49
2017 DSF	\$195,220.82
2017A DSF	\$543,781.63
2017 B & C DSF	\$3,457,159.44
2018 DSF	\$208,509.17
2020 DSF	\$129,026.09
2018 Construction Fund	\$242,182.23

TOTAL DEDICATED ASSETS **\$5,358,373.73**

Restricted Accounts

93 Oper. Expense Reserve	\$302,447.10
93 Debt Service Reserve	\$6,350,210.91

\$6,652,658.01

Receivables Outstanding (2nd quarter 2020)

UAJA Sewer	\$1,858,962.37
UAJA Surcharge	\$35,776.00
Borough Sewer	\$769,060.77
PGM Sewer	\$73,342.63
PSU Sewer	\$0.00

TOTAL OUTSTANDING

\$2,737,141.77
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COMPOST & SEPTAGE OPERATIONS REPORT

October, 2020

COMPOST PRODUCTION AND DISTRIBUTION

	<u>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>	<u>Oct. 2020</u>
Production	988 cu/yds.	1,213 cu/yds.	1,118 cu/yds.	866 cu/yds.	1,029 cu/yds.	892 cu/yds.
YTD. Production	5,316 cu/yds.	6,529 cu/yds.	7,647 cu/yds.	8,513 cu/yds.	9,542cu/yds.	10,434cu/yds.
Distribution	948 cu/yds.	1,164 cu/yds.	669 cu/yds.	656 cu/yds.	1,373cu/yds.	3,152cu/yds.
YTD. Distribution	4,546 cu/yds.	5,710 cu/yds.	6,379 cu/yds.	7,035 cu/yds.	8,408cu/yds.	11,560cu/yds.
Immediate Sale	3,019 cu/yds.	2,841 cu/yds.	3,387 cu/yds.	3,850 cu/yds.	2,824cu/yds.	400cu/yds.
Currently in Storage	4,007 cu/yds.	4,054 cu/yds.	4,505 cu/yds.	4,716 cu/yds.	3,853 cu/yds.	1,292 cu/yds.

SEPTAGE OPERATIONS

	<u>May 2020</u>	<u>Jun. 2020</u>	<u>Jul. 2020</u>	<u>Aug. 2020</u>	<u>Sep. 2020</u>	<u>Oct. 2020</u>
Res./Comm.	11,550 gals.	23,425 gals.	69,373 gals.	68,347 gals.	68,921 gals.	77,450 gals.
CH/Potter	10,045.53 lbs/solids	4,174.17 lbs/solids	4,036.56 lbs/solids	3,932.31 lbs/solids	3,448.91 lbs/solids	2,602.08 lbs/solids
Port Matilda	1,150.92 lbs/solids	1,417.80 lbs/solids	1,000.80 lbs/solids	617.16 lbs/solids	1,451.16 lbs/solids	1,517.88 lbs/solids
Huston Twp.	683.88 lbs/solids	517.08 lbs/solids	433.68 lbs/solids	567.12 lbs/solids	550.44 lbs/solids	300.24 lbs/solids
Total Flow	104,550 gals.	75,925 gals.	123,373 gals.	106,347gals.	112,921 gals.	114,950 gals.



SUPERINTENDENT'S REPORT

November 10, 2020

Arthur G. Brant

PLANT OPERATION

The treatment plant is operating well with no exceptions for the month of October 2020. The 12-month rolling average flow for September was 3.05mgd with the average for the month being 2.72mgd. The average monthly **influent** flow was 5.01mgd.

Treatment units online are as follows: primary clarifiers #1, #5 and #6; aeration basins #1 and #3; secondary clarifiers #1, #2, and #3; all eight tertiary filters are online.

Below is the chart for Reuse Distribution and Temperature Data:

	Oct-20	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	31,000	196,000		
Centre Hills	2,159,000	31,969,000	Oct-20	Oct-20
Cintas	489,000	4,987,000	68.5	71.1
Red Line	290,000	3,570,000		
Uaja Wetland	2,274,000	25,308,000		
GDK Vault	29,310,000	363,720,000		
Kissingers	1,924,000	18,111,000		
Stewarts/M.C.	6,000	58,800		
TOTAL	36,483,600	447,919,800		

PLANT MAINTENANCE

- Cleaned air intakes screens plant wide.
- Checked and serviced heat systems plant wide.
- Changed oil in Alum Pumps.
- Replaced airline hose on Primary Pump #1.
- Repaired loose vertical side-belt.
- Replaced watering solenoids on Bays #5 and #6.
- Replaced scraper blade on overhead belt.
- Replaced air filters on Compost MAU's.
- Replaced electrical contact and fuse holder on dolly system for Agitator #3.
- Installed new Tuthill Blower in Dewatering.
- Replaced transducer at Septage Receiving.
- CIP'ed both RO units
- Replaced AV15 actuator on #1 MF.



COLLECTION SYSTEM SUPERINTENDENT’S REPORT
Activities for the month of October 2020
Mark Harter, Superintendent

MAINLINE MAINTENANCE:

New Construction – Greenbriar – Installed (1,520 ft) of lateral pipe – (8) homes hooked up to new system.
Harris Reuse Project – Installed (1,918 ft) of 12” main.
New Lateral Installation – (2) Cardinal Ln. and Branch Rd.
Main Line Televising – 700ft televised - 3 manholes inspected.
Equipment maintenance.

LIFT STATION MAINTENANCE:

Cleaned (4) lift station wet wells.
Routine Maintenance.

NEXT MONTH PROJECTS:

Continue Greenbriar project.
Continue Harris Reuse project.
Cleaning wet wells.
Install new lateral at 850 Toftrees Ave.

INSPECTION:

Final As-Builts Approved:
None

Mainline Construction:

- a. Harner Farms – Construction is approximately (15%) complete.
- b. Rocky Ridge Phase 5 – Construction is approximately (30%) complete.
- c. Grays Pointe phase 6 Section C – Started Construction.

New Connections:

a.	Single-Family Residential	10	c.	Commercial	1
b.	Multi-Family Residential	0	d.	Non-Residential	0

TOTAL 11

PA One-Calls Responded to 10/1-31/20: 394

ENGINEER'S REPORT

University Area Joint Authority

November 18, 2020

The following summarizes our recent services performed on behalf of the University Area Joint Authority (Authority):

Consulting Engineer Services (R001178.0676)

- Met with staff to review the status of projects.

Odor Control System Upgrades (R001178.0597)

- Contract No. 17-04: Electrical Construction (Hayden Power Group) has been completing punch list items. A final completion inspection will be conducted when the Contractor indicates that all items are complete.
- Contract No. 17-03: Responses to the complaint are being coordinated.

Shiloh Road Pump Station Upgrades (R001178.0632)

- Assisted with the review of submittals.

Extension of Beneficial Reuse Water to Harris Township (R001178.0637)

- Alignment stake-out is being coordinated with the UAJA construction crew.
- Contract 2020-02 (Ligonier) has completed the conventional bore crossing of SR 0322 near the Centre Hills Booster Station. They are waiting for pipe delivery, which is anticipated for late November. Pipe production delays were reportedly a result of hurricanes in the Gulf Region.
- Contract 2020-03 (HRI) completed all crossings including restoration (mill and overlay). All punch list items with the exception of pipe reimbursement and administrative documents have been completed.
- Change Proposals:
 - **Contract 2020-02:** Ligonier requested a 45 day increase in the Contract Times from the date when the pipe is manufactured. The Contractor has been advised to substantiate the request with discrete times.
 - **Contract 2020-03:** The negotiated increase in Contract Price of \$20,000 for work in Spring Creek and an increase in Contract Price of \$6,861.06 for work around the water line at the SR 0322 crossing is recommended. The total increase is \$26,861.06.
- Substantial Completion Dates:
 - Contract 2020-02 October 21, 2020 (notification of time extension request)
 - Contract 2020-03 Substantially Complete

- Applications for Payment are summarized in the following table and are recommended for payment based on the work completed.

Applications for Payment						
Contract No.	Application for Payment No.	Amount Due	Current Contract Price	Total Completed and Stored	% Monetary Complete	Balance to Finish Plus Retainage
2020-02	-	\$141,475.50	\$303,000.00	\$180,450.00	59.5	\$131,572.50
2020-03	3	\$57,611.06	\$392,861.06	\$392,861.06	100	\$24,000.00

Scott Road Pump Station and Bristol Interceptor – Act 537 Plan Special Study (R001178.0661)

- The PA DEP approved the Act 537 Plan Special Study.
- Field survey is being completed.

Meeks Lane Pump Station – Act 537 Plan Special Study (R001178.0663)

- The Special Study was updated and re-submitted to the Authority staff for review.

Beneficial Reuse Service Area Designation – Act 537 Plan Special Study (R001178.0666)

- Completion of the Special Study has been paused while a Risk Assessment is conducted.

Fiber Optic Conduit – (R001178.0687)

- Deed research has commenced and field survey will be scheduled upon completion of the field work for the Scott Road Pump Station

Entry Road Storm Water Improvements – (R001178.0681)


- An engineering services proposal was submitted to staff for the entry road and storm water improvements project.

Developer Plan Reviews:

- The Contractor's (GOH/Hawbaker Engineering) as-built drawings for sanitary sewer replacements associated with the PennDOT work in North Atherton Street were received and are under review; October 12, 2020 (1178.0686).
- The Developer's design drawings for Grays Pointe, Phase 6, Section D-1 were received and are under review; November 5, 2020 (1178.0689).
- The Developer's design drawings for Grays Pointe, Phase 6, Section D-2 were received and are under review; November 5, 2020 (1178.0689).

Respectfully Submitted,

HERBERT, ROWLAND & GRUBIC, INC.


 Benjamin R. Burns, P.E.
 Team Leader | Water & Wastewater

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**University Area Joint Authority
 Summation of Project Activities**

November 2020

ENR/AWT Upgrade Project (094612009)

- The contractor for Contract UAJA 2017-06 (HRI) has completed several of the punchlist and warranty items, however, the Authority was forced to correct a number of items, or has decided to accept defective work for a diminished value. We have prepared Change Order No. 5 (Final) for a decrease in the Contract Price in the amount of \$69,695.93 for the Owner’s acceptance of remaining defective work or costs associated with the correction of defective work. A copy of the Change Order is attached to our Report.
- With this final change order, we are recommending final payment and release of retainage to HRI, Inc. (Application for Payment No. 16-Final) in the amount of \$210,909.37.

Sludge Storage Tank Mixer (094612034)

- 4-M Construction Company and Stelco, Inc. continue work for the installation of the new mixer. The remaining electrical equipment has arrived, and installation is currently underway. Application for Payment No. 5 has been submitted by 4-M Construction Company (Contract No. 2020-01) and we are recommending payment in the amount of \$7,125.00. This application includes installation of the new garage door to the blower room beneath the Administration Building.
- A Payment Application was submitted by Stelco, Inc. for Contract 2020-05 but was rejected by RETTEW as the work is incomplete and not ready for payment as the amount remaining on the Contract would have been insufficient for payment and retainage.

Payment Requests To Date						
Contract Number	Application for Payment #	Current Payment Due	Contract Price To Date incld/CO	Total Work To Date	% Monetarily Complete	Balance of Contract Amount
2020-01	5	\$7,125.00	\$68,600.00	\$57,050.00	83.16%	\$14,402.50
2020-05			\$27,750.00	\$15,612.75	56.26%	\$13,698.53
		\$7,125.00	\$96,350.00	\$72,662.75	75.42%	\$23,687.25

Solar System – Phase II – Demolition and Site Prep (094612040)

- Demolition and preparation of the site has continued and will be completed this month. Installation of the solar panels will begin at the beginning of December with steady construction through March.
- We have prepared Change Order No. 1 for an increase in the Contract Price in the amount of \$5,304.00 for the work associated with Work Change Directives #1 and #2. The additional work includes disconnection of the electrical service to two outbuildings and asbestos abatement within the abandoned house.
- Application for Payment No. 1 has been submitted by Stone Valley Construction (Contract No. 2020-10) and we are recommending payment in the amount of \$80,640.00.

Payment Requests To Date						
Contract Number	Application for Payment #	Current Payment Due	Contract Price To Date incld/CO	Total Work To Date	% Monetarily Complete	Balance of Contract Amount
2020-10	1	\$80,640.00	\$260,604.00	\$89,600.00	34.38%	\$179,964.00
		\$80,640.00	\$260,604.00	\$89,600.00	34.38%	\$179,964.00

Aeration System Improvements (094612035)

- RETTEW has finalized the design of the Aeration System Improvements to replace leaking air lines for the Biological System. We are also incorporating two other smaller projects into this contract: replacement of existing alum mixers and additional upgrades to plant lighting. We will receive bids in December and present for approval in January 2021.

WWTP NPDES Permit – Phosphorus Study (094612027)

- Installation of the stream monitoring instruments will begin later this year, with continuous monitoring of Spring Creek for part of the year to determine the level of any impairment during the growing period (March – November), prior to undertaking an intensive study during the critical high-temp, low-flow period.

Ozone Disinfection for Effluent (094612023)

- The application for a Water Quality Management Part II Permit has been submitted to the Pennsylvania Department of Environmental Protection for the use of ozone as the disinfectant of the plant effluent. We are in the process of completing final design for the addition of the ozone system.

Anaerobic Digestion Project (094612026)

- RETTEW has begun the preliminary design of the proposed Biosolids Improvement project and will be working with staff over the next few months to prepare this design for review and approval.

High Voltage Switchgear and Cable Replacement

- We have begun the design of replacement the obsolete high voltage switchgear, accounting for future expansion, as well as the replacement of a portion of the plant’s underground electrical distribution system that dates from a similar period (~26 yrs. old). Bidding documents will be ready in January with construction slated for 2021.

Modifications to GD Kissinger Meadow Stream Augmentation

- We anticipate upcoming changes to the Authority’s NPDES permit for the discharge of beneficial reuse water to Slab Cabin Run. The changes will require the Authority to modulate the flows to the stream via SCADA, to avoid abrupt changes in stream flow. Additionally, we anticipate essentially a non-detect chlorine limit which will require de-chlorination prior to stream discharge. We are working with staff to design, permit, and implement these modifications.

Nutrient Credit Offsets – Solar Installation and Stormwater Offsets (094612028)

- A conference call to discuss the nutrient credit offsets was held with the Authority, the PADEP, the Environmental Protection Agency, and RETTEW.

Date of Issuance: 11/12/2020	Effective Date:	Date executed by Owner
Owner: University Area Joint Authority	Owner's Contract No.:	UAJA 2017-06
Contractor: HRI, Inc.	Contractor's Project No.:	
Engineer: RETTEW Associates, Inc.	Engineer's Project No.:	094612009
Project: ENR/AWT Systems Upgrade & Expansion	Contract Name:	General Construction

The Contract is modified as follows upon execution of this Change Order:
 Description: Owner's acceptance of defective work or costs associated with the correction of defective work as summarized on the attached document.
 Reason for Change: Correction of Defective Work per Paragraph 13.09 of the General Conditions and Acceptance of Defective Work per Paragraph 13.08

Attachments:
 List of Defective Work and costs associated with correction or diminished value related to acceptance of Defective Work

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: \$ <u>8,375,000.00</u>	Original Contract Times: Substantial Completion: <u>365 Days</u> Ready for Final Payment: <u>60 Days</u> days or dates
[Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>4</u> : \$ <u>517,297.17</u>	[Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>4</u> : Substantial Completion: <u>30</u> Ready for Final Payment: <u>30</u> days
Contract Price prior to this Change Order: \$ <u>8,892,297.17</u>	Contract Times prior to this Change Order: Substantial Completion: <u>June 22, 2019</u> Ready for Final Payment: <u>August 21, 2019</u> days or dates
[Increase] [Decrease] of this Change Order: \$ <u>69,695.93</u>	[Increase] [Decrease] of this Change Order: Substantial Completion: <u>N/A</u> Ready for Final Payment: <u>N/A</u> days or dates
Contract Price incorporating this Change Order: \$ <u>8,822,601.24</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>June 25, 2019</u> Ready for Final Payment: <u>October 30, 2020</u> days or dates

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: <u>[Signature]</u> Engineer (if required) Title: <u>Normal Market Leader</u> Date: <u>11/12/20</u>	By: _____ Owner (Authorized Signature) Title: _____ Date: _____	By: _____ Contractor (Authorized Signature) Title: _____ Date: _____

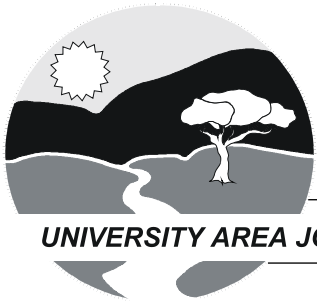
Contract No. 2017-06
Change Order No. 5 – Final

Items Included in Change Order:

1. **Primary Clarifier Troughs** – Previously rejected work as the clarifier troughs have been misaligned and not level that resulting in not meeting specifications. Modifications were made to the troughs in accordance to the manufacturer’s recommendation. While functional, these modifications have resulted in increased maintenance and the operators’ inability to remove scum at low flow conditions. Contract Amount is a reduction due to diminished value for Owner’s acceptance of defective work.
Reduction in Contract Amount = \$39,000.00
2. **Denitrification Filters** - Denitrification Filter Warranty was not provided by HRI. RETTEW expended effort to obtain warranty documentation from manufacturer and Contract Amount is reimbursement for RETTEW time.
Reduction in Contract Amount = \$2,000.00
3. **Denitrification Filters Blowers** - Air scour blowers were not provided with self-tensioning belts and lubrication fittings as specified. Contract Amount is a reduction due to diminished value for Owner’s acceptance of defective work.
Reduction in Contract Amount = \$1,500.00
4. **Denitrification Filter Effluent Valve Actuators** – Contract Amount for reimbursement of Owner’s actual costs associated with RETTEW and CS-21’s time and expenses to correct the actuator settings due to lack of response by the manufacturer.
Reduction in Contract Amount = \$4,664.30
5. **Denitrification Filters Backwash Pumps** - Pump drain lines for Backwash Return Pumps not installed. Contract Amount is for materials for Owner to self-perform the installation of the drain lines.
Reduction in Contract Amount = \$350.00
6. **Chemical Feed** - Chemical feed piping not painted per the Contract. Contract Amount per HRI’s estimate dated November 19, 2019.
Reduction in Contract Amount = \$3,400.00
7. **AWT Feed Pump Station** - Lower level of AWT Feed Pump Station does not drain to the floor drains. Contract Amount is a reduction due to diminished value for Owner’s acceptance of defective work.
Reduction in Contract Amount = \$5,000.00
8. **AWT Feed Pump Station** – AWT Feed Pump Station drain line not painted per the Contract. Contract Amount per HRI’s estimate dated November 19, 2019.
Reduction in Contract Amount = \$1,360.00

9. **Microfiltration System** – Required Site Acceptance Test (SAT) results were not provided. As units have been in operation, item cannot be completed and Contract Amount is value of testing not provided to Owner.
Reduction in Contract Amount = \$2,000.00
10. **UV System** – UV Light Warranty was not provided by HRI. RETTEW expended effort to obtain warranty documentation from manufacturer and Contract Amount is reimbursement for RETTEW time.
Reduction in Contract Amount = \$1,000.00
11. **AWT Building** – Repairs made to controls and programming of microfilters, reverse osmosis units, RO alarms, RO Feed Pump #3 and RO feed tank solenoid valve. Contract Amount for reimbursement of Owner’s costs associated with RETTEW integrator’s time and expenses to correct the programming deficiencies.
Reduction in Contract Amount = \$1,125.00
12. **AWT Building** - AWT clean-in-place (CIP) piping repairs due to programming error that led to line breakage. Credit for reimbursement of Owner’s costs associated with repair of the piping damaged as a result of malfunctioning valve actuator on the Microfilters.
Reduction in Contract Amount = \$1,464.69
13. **Denitrification Filters** – Repairs made to controls and programming of denitrification filters and level sensors. Credit for reimbursement of Owner’s integrator time and expenses to correct the programming deficiencies due to lack of response by the manufacturer.
Reduction in Contract Amount = \$1,990.94
14. **UV System** – UV Power Supply from Xylem was paid for by UAJA but had failed during warranty period. Credit for reimbursement of Owner’s payment of invoice.
Reduction in Contract Amount = \$841.00
15. **Microfiltration Valve AV-9 on Microfilter #6** – Valve actuator not performing as required and has not been addressed by the manufacturer. Estimated amount for UAJA to resolve directly with manufacturer.
Reduction in Contract Amount = \$4,000.00

Reduction in Contract Amount = \$69,695.93



EXECUTIVE DIRECTOR'S REPORT

November 18, 2020

ACTION ITEMS

3. Public Comment

3.1 Other items not on the agenda

4. Old Business

4.1 2020 Bond Issue Parameters Resolution

A representative of Public Financial Management (PFM) will present an update on the status of the bond market, as well as the results of the Request for Proposals for underwriting. This will be followed by Tom Smida of Mette Evans and Woodside explaining the parameters resolution. It is anticipated the pricing will occur in early December.

Recommendation: Adopt Resolution 2020-02, the Parameters Resolution.

5. New Business

5.1 2021 Budget

The final draft of the 2021 budget is included in the board packet. The budget subcommittee met with staff on October 14, 2020 to review the first draft budget. Suggestions made by the committee have been incorporated into this final draft. The proposed budget does not recommend any user rate increase for 2021. Health insurance pricing for 2021 has been finalized and is within the cost ceiling assumed for the 2021 budget.

An additional capital project has been added to the budget. The high voltage switchgear project has been moved forward to 2021. It is estimated to cost \$1million. Staff will present the draft budget and answer questions from the Board.

Recommendation: Approve the 2021 Budget.

5.2 Beneficial Reuse Waterline Extension Change Order No. 1

HRI has submitted a change order request for additional work resulting from a waterline that was not marked correctly and additional work in Spring Creek due to the sewer line along Spring Creek interfering with the work, which resulted in equipment having to enter Spring Creek. The net amount of the Change Order is an increase of \$26,861.06 to the contract.

Recommendation: Approve Change Order No. 1 in the amount of \$26,861.06.

5.3 Requisitions

Construction Fund #240

S&C Operations, Inc.
Harris Reuse Trucking

\$10,710.00

Construction Fund #241	HRG Harris Reuse Engineering	\$2,992.00
Construction Fund #242	HRG Odor Control Engineering	\$975.00
Construction Fund #243	HRG Meeks Lane Special Study	\$3,185.50
Construction Fund #244	HRG Shiloh Road Pump Station Project	\$131.47
Construction Fund #245	Glossner's Concrete Harris Reuse Project	\$714.00
Construction Fund #246	HRI Harris Reuse- Pay App. No. 3	\$24,000.00
Construction Fund #247	L/B Water Shiloh Road Pump Station Project	\$52,975.00
Construction Fund #248	Terre Hill Concrete Products Shiloh Road Pump Station Project	\$60,385.45
Construction Fund #249	Stitzer Crane Service Shiloh Road Pump Station Project	\$3,175.00
Construction Fund #250	Stone Valley Construction Solar Phase II Demo.	\$80,640.00
Construction Fund #251	Rettew Aeration Line Project	\$2,298.81
TOTAL CONSTRUCTION FUND		\$242,182.23
BRIF #454	Rettew Aeration Line Project	\$10,786.90
BRIF #455	Rettew Solar Phase II Project	\$8,151.68
BRIF #456	Rettew Sludge Storage Tank Mixer Project	\$694.75
BRIF #457	Rettew Ozone Disinfection Project	\$38,640.45

BRIF #458	Ducken Tree Farm Greenbriar Project	\$756.00
BRIF #459	HRG Shiloh Road Pump Station Project	\$318.53
BRIF #460	4-M Construction Sludge Storage- Pay App. No. 5	\$7,125.00
BRIF #461	Terre Hill Concrete Products Shiloh Road Pump Station Project	\$16,844.00
TOTAL BRIF		\$83,317.31

6. Reports of Officers

7. Other Business

8. Adjournment

9. Executive Session