



UNIVERSITY AREA JOINT AUTHORITY

A G E N D A

Regular Meeting - 4:00 p.m. – November 17, 2021

1. Call to Order

2. Approval of the Minutes: Regular Meeting- October 20, 2021

3. Public Comment

3.1 Other items not on the agenda

4. Old Business

4.1 Tapping Fee Study

4.2 State College Borough Rate

4.3 2022 Budget

4.4 2022 Health Insurance

4.5 Easement Condemnation Scott Road Project

5. New Business

5.1 Ozone Project Bid Awards

5.2 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

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

Regular Meeting – October 20, 2021

1. Call to Order

Mr. Lapinski, Chair, called the regular meeting to order at 4:04 p.m., Wednesday, October 20, 2021. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Auman, Dempsey and Kunkle; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jennifer Grove, Administrative Assistant; Michele Aukerman, Rettew; Jason Wert, Rettew; David Gaines, Solicitor; C-NET; Ben Burns, HRG Consulting Engineer; and Jeff Garrigan, HRG Consulting Engineer. The following were in attendance via Zoom: Messr. Daubert; Bill Steudler and Kevin Mullen. The following were in attendance via phone: Messrs. Guss and Nucciarone.

2. Reading of the Minutes

UAJA Regular Meeting – September 15, 2021

**UAJA Meeting
Minutes Approved**

A motion was made by Mr. Kunkle, second by Mr. Auman, to approve the minutes of the UAJA meeting held on September 15, 2021. The motion passed unanimously.

3. Public Comment

3.1 Other items not on the agenda

Mr. Mullen spoke to the board about being overbilled for a second EDU over the past five years.

4. Old Business

4.1 Meeks Lane Act 537 Plan Special Study Presentation

A draft Act 537 Plan Special Study has been prepared and is under review by UAJA staff. The proposed schedule for the project anticipates the study being submitted to the Centre Region Municipalities no later than early December 2020. HRG will provide an overview of the project, including changes that have been made to accommodate changes made to the Grays Woods Master Plan.

Recommendation: Presentation only. No action required.

No action was required. There were no objections so staff will proceed with the submission.

5. New Business

5.1 2022 Tapping Fee

The tapping fee is adjusted annually based on the Construction Cost Index published in the Engineering News Record each October. From October 2020 to October 2021, the index increased by 8.0 percent. Increasing the 2022 tapping fee accordingly results in an increase from the current \$5543 per EDU to \$5986 per EDU, an increase of \$443 per EDU.

Recommendation: Increase the 2022 tapping fee to \$5986 per EDU, effective January 1, 2022.

**2022 Tapping Fee
Approved**

A motion was made by Mr. Dempsey, second by Mr. Auman to increase the 2022 tapping fee to \$5,986 per EDU, effective January 1, 2022. The motion passed unanimously.

5.2 Draft Rate Study Letter Report

Included in the agenda report is the Draft Sewer Rate Study Letter Report from HRG. The report suggests a rate for treatment and conveyance of \$66 per EDU based on meeting the average treatment and conveyance expenses of \$11,200,000 per year for the next five years. The estimate is based on UAJA's estimate of EDUs within the Borough. The actual number of EDUs has not been determined by the Borough.

The Borough has historically been billed based on metered wastewater flow according to the Borough Sewer Agreement that expired September 2020. The current rate according the UAJA rate resolution is \$5287 per Million Gallons. Using the same revenue requirement of \$11.2 million per year, and the projected systemwide flowrate of 4.94 MGD, the cost per million gallons would be \$6212. This represents an increase of 17.5 percent over the current rate. Since the budget must be prepared, staff will be including this increase in the budget to be effective January 1, 2022.

The report is a draft, and subject to change. Staff would like to collect questions and comments by November 5th to allow time to answer the questions and comments prior to or during the November 2021 UAJA Board Meeting. At the November meeting, Adrienne Vicari of HRG will present the report and be available to answer any questions.

Recommendation: Information only.

5.3 Requisitions

BRIF #607	HRG Shiloh Road Project	\$937.50
BRIF #608	HRG Scott Road Pump Station Project	\$927.00
BRIF #609	HRG Greenbriar Record Drawings	\$1,837.50
BRIF #610	Rettew AWT Upgrade Record Drawings	\$977.00
BRIF #611	Rettew Switchgear Replacement Project	\$2,011.14
BRIF #612	Rettew Phosphorus Study	\$11,826.44
BRIF #613	Rettew Battery O&M	\$1,448.50
BRIF #614	L/B Water	\$206.25

Whitehall Road Project

BRIF #615	L/B Water Scott Road Project	\$21,203.44
BRIF #616	S&C Operations Scott Road Project- Trucking	\$2,280.00
BRIF #617	Specific Design Scott Road & Whitehall Road Projects	\$14,111.00
BRIF #618	Glossner's Concrete Scott Road Project	\$502.00
BRIF #619	Pinnacle Erosion Control Scott Road Project	\$666.00
BRIF #620	Best Line Equipment Scott Road Project	\$3,470.00
BRIF #621	First Citizens Community Bank Loan Payment (Final)	\$52,331.01
BRIF #622	Thoroughbred Construction Pay App. #4- Switchgear Project	\$98,685.93
BRIF #623	Skelly and Loy, Inc Meeks Lane Toad Service	\$4,664.00
TOTAL BRIF		\$218,084.71

**BRIF
Approved**

A motion was made by Mr. Kunkle, second by Mr. Dempsey to approve BRIF #607, #608, #609, #610, #611, #612, #613, #614, #615, #616, #617, #618, #619, #620, #621, #622 and #623 in the amount of \$218,084.71. The motion passed unanimously.

Construction Fund #020	Rettew Aeration Line Project	\$1,260.00
Construction Fund #021	Rettew Ozone Disinfection Project	\$5,877.00
Construction Fund #022	Rettew Biosolids Upgrade Project	\$6,457.25
Construction Fund #023	HRI, Inc. Pay App. #6- Aeration Line Project	\$41,705.10
TOTAL 2020 A CONSTRUCTION FUND		\$55,299.35

**Construction Fund
Approved**

A motion was made by Mr. Dempsey, second by Mr. Auman to approve Construction Fund #020, #021, #022 and #023 in the amount of \$55,299.35. The motion passed unanimously.

Revenue Fund #181

Debt Service, Operation and
Maintenance Expenses

\$1,000,000

TOTAL REVENUE FUND

\$1,000,000

**Revenue Fund
Approved**

A motion was made by Mr. Auman, second by Mr. Dempsey to approve Revenue Fund #181 in the amount of \$1,000,000. 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, 2021, were reviewed with the Board by Jason Brown. The preliminary first draft of the 2022 budget will be sent out to board members on October 25, 2021.

6.3 Chairman's Report

Mr. Lapinski asked Mr. Dempsey to give an update on the Rate Committee. Mr. Dempsey said they will meet the second Tuesday of the month at 4:15pm. The October meeting was about generalities and the November meeting they plan to discuss fixed and variable costs.

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. 2021</u>	<u>May 2021</u>	<u>June 2021</u>	<u>July 2021</u>	<u>Aug. 2021</u>	<u>Sep. 2021</u>
Production	848 cu/yds.	847 cu/yds.	878 cu/yds.	913 cu/yds.	890 cu/yds.	990 cu/yds.
YTD. Production	3,134 cu/yds.	3,981cu/yds.	4,859 cu/yds.	5,772 cu/yds.	6,662 cu/yds.	7,652 cu/yds.
Distribution	963cu/yds.	2,132cu/yds.	1,442cu/yds.	731cu/yds.	969cu/yds.	911cu/yds.
YTD. Distribution	2,072cu/yds.	4,204cu/yds.	5,646 cu/yds.	6,377 cu/yds.	7,346 cu/yds.	8,257 cu/yds.
Immediate Sale	2,746 cu/yds.	1,462cu/yds.	867cu/yds.	1,014cu/yds.	958cu/yds.	937cu/yds.
Currently in Storage	3,594 cu/yds.	2,309 cu/yds.	1,745 cu/yds.	1,927 cu/yds.	1,848 cu/yds.	1,927 cu/yds.

SEPTAGE OPERATIONS

	<u>Apr. 2021</u>	<u>May 2021</u>	<u>June 2021</u>	<u>July 2021</u>	<u>Aug. 2021</u>	<u>Sep. 2021</u>
Res./Comm.	74,400 gals.	69,800 gals.	68,700 gals.	40,000 gals.	68,150 gals.	89,675 gals.
CH/Potter	0.00 lbs/solids	0.00 lbs/solids	1,517.88 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids
Port Matilda	500.40 lbs/solids	1,434.48 lbs/solids	1,200.96 lbs/solids	1,951.56 lbs/solids	1,234.32 lbs/solids	1,084.20 lbs/solids
Huston Twp.	600.48 lbs/solids	683.88 lbs/solids	500.40 lbs/solids	467.04 lbs/solids	650.52 lbs/solids	583.80 lbs/solids
Total Flow	88,400 gals.	95,800 gals.	105,500 gals.	66,000 gals.	90,150 gals.	111,675 gals.

Plant Operation

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for September was 3.43mgd with the average for the month being 5.32mgd. The average monthly **influent** flow was 6.78mgd.

Treatment units online are as follows: primary clarifiers #1, #5 and #6; aeration basins #2 and #3; secondary; clarifiers #1, #3, and #4; all eight tertiary filters are online.

Below is the chart for Reuse Distribution and Temperature Data:

	Sep. 2021	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	27,000	246,000		
Centre Hills	3,572,000	25,893,000	Sep. -21	Sep. -21
Cintas	462,000	4,373,000	70.6	71.0
Red Line	333,000	4,309,000		
UAJA Wetland	5,416,000	41,990,000		
GDK Vault	41,997,000	265,884,000		
Elks	1,870,000	5,201,000		
Kissingers	1,870,000	17,364,000		
Stewarts/M.C.	8,000	39,110		
TOTAL	55,529,000	365,299,110		

Plant Maintenance

- Replaced pump diaphragm in Primary Pump #9.
- Replaced the coupling in Primary Trough Drive #2.
- Rebuilt the gate gear box on Primary Tank #4.
- Replaced 3 skimmers flights in Primary Clarifier #5.
- Replaced the air line on Primary Pump #11.
- Replaced the scum trough seal and completed the preventative maintenance on Secondary Clarifier #2.
- The annual fire extinguisher inspection was performed.
- Replaced the actuator for MF #6 AV-5.
- Replaced a power supply in MF #1.
- Replaced a failed expansion joints on MF #1, #2, #3, and two on the main line.
- Replaced back drive cooling fan on Centrifuge #2.
- Centrifuge #2 was sent to Alfa Laval to be reconditioned.
- Repaired Compost lighting.
- Replaced the belts in MAU -1303.

- The Main Station Generator failed on overspeed. A check valve was installed in the fuel line and the governor speed sensor was cleaned and adjusted

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:

Scott Road force main project – Installed 1,571 ft of 10" force main / 51 ft of 15" gravity and (2) manholes.

Main Line Televising – 3,117 ft televised - 140 manholes inspected.

Manholes Grouted – (5)

Joints Grouted – (11)

C.O Caps Repaired – (54)

Approximate infiltration found and repaired = (200GPM)

Lift Station Maintenance:

Cleaned (8) lift station wet wells.

Routine Maintenance.

Next Month Projects:

Lateral repair at Brookside Dr.

Continue Scott Road upgrade project.

Mainline flushing, televising, and grouting.

Inspection: Final As-Built Approved:

- a. Canterbury Crossing 4&5 phase 1C

Mainline Construction:

- a. Hawk Ridge - Awaiting As-Built
- b. Aspen Heights Squirrel Drive - Started construction.
- c. 900 W. College Ave. Student Housing – Started construction.
- d. Grays Pointe ph. 6 Sec D.2 – Started construction.

New Connections:

- | | | | |
|------------------------------|----|--------------------|---|
| a. Single-Family Residential | 11 | c. Commercial | 2 |
| b. Multi-Family Residential | 0 | d. Non-Residential | 0 |

TOTAL 13

PA One-Calls Responded to 09/1-30/21: 365

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 (R001178.0693)

- A quote was obtained from W.G. Malden in the amount of \$11,893.00 to install an ISCO Signature Ultrasonic Flow Meter in the North and South Meter Chambers. The quote included an option to add a cellular modem to each meter (+\$1,090.00/meter). Authority staff has issued a purchase order

for the equipment, which is expected to arrive in two to three weeks.

Odor Control System Upgrades (R001178.0597)

- An inventory of air emission sources for the entire facility has been compiled as required by DEP. Estimated emissions are being calculated. Manufacturer's emissions data has not been obtainable. Therefore, estimates are being made based on EPA literature and tiered emission standards.

Proposed Air Quality Emissions Inventory and Operation Permit Schedule

Milestone	Date
Submit Emissions Inventory to the PA DEP	November 2021
PA DEP Determination of Application Requirements	December 2021
Request Plan Approval Time Extension	January 2021
Complete and Submit Permit Application	February 2021
PA DEP Issues Permit (Includes 30 Day Public Comment Period)	June 2021

Based on DEP's input and timeline for review.

Shiloh Road Pump Station Upgrades (R001178.0632)

- Field survey of the constructed facilities has been completed and record drawings are being prepared. They will be delivered to the Authority by the end of October.
- Point files for the locations of fittings along the force main alignment were provided by GeoDecisions in a downloadable format on October 12th.

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

- Record Drawings are being prepared and will be delivered to the Authority by the end of October.

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

- The Special Study was revised based on an alternative alignment identified by the Authority.
- Skelly and Loy conducted a Spadefoot Toad habitat assessment and prepared a draft report. It was concluded that there is no potential species breeding habitat. The report is being submitted to the PAFBC.

Proposed Meeks Lane Pump Station Project Implementation Schedule

Milestone	Date
Submit Special Study to Municipalities/Planning Commissions (60-day Review)	December 2021
Start Design	December 2021
Begin Public Comment Period (30-day)	January 2022
Receive Municipal/Planning Comments, Conclude Public Comment Period	February 2022
Adoption by Municipalities and CRCOG (General Forum Presentation)	March 2022
Submission of Special Study to PA DEP (120-day Review)	March 2022
DEP Approval of Special Study/WQM/NPDES	July 2022
Complete Design/BIDDING	July 2022
Begin Construction	July 2022
Project Completion (12 Months of Construction)**	July 2023

*Assumes DEP approval of Special Study and WQM Permit within 120 Days. Concurrent or sequential submission of Study and Permit Application.

**Minimum construction period required for UAJA Construction Crew.

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 by the Authority.

Scott Road Pump Station and Bristol Interceptor (R001178.0682)

- A Pre-Construction Conference was held on September 27, 2021, and a Notice-to-Proceed was issued to each Contractor.
- The review of submittals has commenced.
- The Contractors have indicated extended lead times and supply chain issues for certain materials and equipment (e.g., Pre-Cast Structures = 15 weeks, Emergency Generator = 40 weeks). This may notably impact completion deadlines. HRG is monitoring this closely and working with the Contractors to determine if anything can be done to expedite current schedules.
- HRG is providing construction stake-out of the force main as requested by the UAJA Construction Crew.

Scot Road Pump Station Project Milestone Dates

Milestone	Date
Notice-to-Proceed	September 27, 2021
Substantial Completion	January 25, 2022
Final Completion	February 24, 2022

Fiber Optic Conduit – (R001178.0687)

- Fiber optic conduit drawings were prepared for the second alignment (Trout Road to Hartman Farm Lane to Short Lane, near SR 0026) in June 2021. These drawings were reviewed by the Authority's staff. HRG can proceed with the preparation of the permit applications when authorized by the UAJA.
- Record Drawings for the first alignment (Shiloh Road) are being prepared and will be submitted by the end of October.
- Data files provided by GeoDecisions contain numerous utilities (fiber, water, electric, gas). The data will need to be isolated so that it can be corrected to an appropriate description.

Entry Road Storm Water Improvements – (R001178.0688)

- The project as designed will require the relocation of the utility poles along the entry road. HRG began coordination with First Energy in April, 2021. However, it was discussed that the Authority will need to obtain permanent easement or permission from the current property owner. The property owner and UAJA will need to sign a West Penn Power right-of-way agreement to cover the proposed location of the poles and line. The estimated cost of the relocation is \$30,000-\$40,000. A timeline required for the relocation has been requested from West Penn Power.
- The easement exhibit was initially provided to the Authority staff and the Authority's solicitor on March 31, 2021.
- HRG provided equine crossing sign suggestions in July 2021.

Entry Road Project Implementation Schedule

Milestone	Date
Acquire Right-of-Way/Permission to Relocation Utility Poles	December 2021
Utility Pole Relocation	April 2021
Bidding and Project Construction	TBD*

*Sequence bidding and project construction with other site construction activities to minimize interference and damage.

Whitehall Road Low Pressure Sanitary Sewer – (R001178.0692)

- Stake-out of the Whitehall Road crossings was completed.

Princeton Drive Sanitary Sewer Replacement – (R001178.0699)

- It was concluded in a meeting on September 8, 2021 that the sewer line would be replaced along the exiting alignment. To maximize the depth of cover over the new sewer line, a drop manhole with a lower slope will be designed. HRG is waiting on updated base mapping with proposed design depths from Ferguson Township. This information was requested on September 9th and again on October 11th. Ferguson Township responded that the updated calculations to determine the depth of the rock structures will be available by the end of the month.

State College Borough Rate Study and Tapping Fee Update – (R001178.0703)

- Draft rate calculations were reviewed with Authority staff and then delivered for review on October 7th. The final draft report will be submitted by October 15th.
- The tapping fee updated is being prepared and will be submitted by November 10th.

Developer Plan Reviews

- The Developer's as-built drawings for the sanitary system for Canterbury Crossing Phase 1C were recommended to Staff; September 28, 2021 (1178.0705).

6.7 Construction Report

ENR/AWT Upgrade Project (094612009)

- We are moving forward with closing out the Contractor (HRI, Inc.) and retaining the \$83,500.94 to reimburse the Authority for accepting Defective Work related to the Primary Clarifier Weirs.

Aeration Line Improvements (094612035)

- Both contractors, G.M. McCrossin (2020-08) and HRI (2020-09), have achieved substantial completion and the new aeration piping system is fully operational. Punchlists items have been completed by HRI for Contract 2020-09 and partially complete for McCrossin for Contract 2020-08.

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
2020-08		\$0.00	\$539,073.95	\$539,073.95	100.00 %	\$26,953.70
2020-09	6-Final	\$41,705.10	\$108,302.06	\$108,302.06	100.00 %	\$0.00
		\$41,705.10	\$647,376.01	\$647,376.01	100.00 %	\$0.00

- McCrossin, Inc. (2020-08) submitted a final application for full release of retainage, however there are several outstanding punchlist items. We are not recommending release of retainage at this time.
- HRI, Inc. (2020-09) has submitted Application for Payment No. 6-Final, and we are recommending payment in the amount of \$41,705.10.

Solar System – Phase II Project

- West Penn Power has completed the improvements within their facilities and the second phase of the

solar array is now fully operational. A ribbon cutting for the newest phase and the microgrid is scheduled for October 20th, prior to the Board meeting.

WWTP NPDES Permit – Phosphorus Study (094612027)

- Continuous in-stream monitoring of Spring Creek is currently underway for part of the year to determine the level of any impairment during the growing period, prior to undertaking an intensive study during the critical high-temp, low-flow period. We plan to provide an update to the Board at an upcoming meeting to summarize data collected thus far.

Ozone Disinfection for Effluent (094612023)

- The Water Quality Management Permit has been issued by the Pennsylvania Department of Environmental Protection.
- The project is currently out for construction bids. We anticipate making an award recommendation for the three contracts at the Board's November 17th meeting.

Anaerobic Digestion Project (094612026)

- The Act 537 Special Study for Biosolids has been submitted to the PA DEP and the Water Quality Management Part II Permit will be reviewed by the DEP upon DEP's approval of the Act 537 Special Study.
- RETTEW has begun final design of the proposed improvements to biosolids handling and treatment and anticipates a bid release in January 2022.

High Voltage Switchgear Replacement (094612045)

- Thoroughbred has submitted Application for Payment No. 5 and we are recommending payment in the amount of \$98,685.93.

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
2020-11	5	\$98,685.93	\$1,121,436.21	\$1,089,300.41	97.13%	\$141,065.84
		\$98,685.93	\$1,121,436.21	\$1,089,300.41	97.13%	\$141,065.84

Modifications to GD Kissinger Meadow Stream Augmentation

- The Authority's pending NPDES permit for the discharge of beneficial reuse water to Slab Cabin Run requires a series of modifications in control and monitoring. The changes will require modulation of 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.

6.8 Executive Director's Report

Solar Phase II

The ribbon cutting for Solar Phase II was held today, October 20, 2021.

7 Other Business

None.

8 Adjournment

The meeting was adjourned at 5:14 p.m. via motion by Mr. Dempsey and second by Mr. Auman.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary

DRAFT

11/05/2021 13:26
jgrove

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

P 1
glytdbud

FOR 2021 10

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1040410 REVENUE-SEWER	-14,873,932	0	-14,873,932	-10,814,619.62	.00	-4,059,312.38	72.7%
1040420 REVENUE-SOLIDS	-74,000	0	-74,000	-96,494.59	.00	22,494.59	130.4%
1040425 REVENUE-BU WATER	-25,000	0	-25,000	-22,208.00	.00	-2,792.00	88.8%
1040430 MAINTENANCE	-65,000	0	-65,000	-83,424.50	.00	18,424.50	128.3%
1040440 REVENUE-PERMIT/TAP FEES	-1,114,079	0	-1,114,079	-587,102.38	.00	-526,976.62	52.7%
1040450 REVENUE-ADVCD. CONSTRC FEE	-40,000	0	-40,000	-20,777.06	.00	-19,222.94	51.9%
1040451 REVENUE-MISC. REIMBURSEMNT	-272,914	0	-272,914	-137,546.64	.00	-135,367.04	50.4%
1040470 INTEREST EARNINGS-CASH ACCT	-1,410	0	-1,410	-335.48	.00	-1,074.52	23.8%
1040472 INTEREST EARNINGS-PLIGIT	-375	0	-375	-1.82	.00	-373.18	.5%
1040474 INTEREST EARNINGS - TRUSTEE	-90,555	0	-90,555	-147,283.36	.00	56,728.36	162.6%
1040480 REVENUES-MISCELLANEOUS	-95,000	0	-95,000	-47,779.78	.00	-47,220.22	50.3%
1045919 CIP-WWTP-LAB	14,700	0	14,700	13,833.93	.00	866.07	94.1%
1045921 CIP-COLLECTION MAINT I&I	2,070,500	0	2,070,500	751,772.67	.00	1,318,727.33	36.3%
1045922 CIP-COLLECTION-CONST. EQUIP	379,776	0	379,776	22,668.30	.00	357,107.70	6.0%
1045924 CIP-WWTP-PHYSICAL PLANT	6,589,060	0	6,589,060	2,444,577.37	.00	4,144,482.63	37.1%
1045928 CIP-BENEFICIAL REUSE	242,250	0	242,250	278,740.30	.00	-36,490.30	115.1%
1045929 CIP-WWTP-DEWATERING FACILIT	0	0	0	49,279.09	.00	-49,279.09	100.0%
1045930 CIP-WWTP-COMPOST FACILITY	10,330,000	0	10,330,000	418,934.03	.00	9,911,065.97	4.1%
1045950 CIP-GENERAL & ADMINISTRATIV	190,000	0	190,000	.00	.00	190,000.00	.0%
1050050 GENERAL & ADMINISTRATIVE	1,757,627	0	1,757,627	1,508,783.60	.00	248,843.40	85.8%
1050053 G & A - INFORMATION TECHNOL	94,265	0	94,265	82,452.39	.00	11,812.61	87.5%
1050054 G & A - FLEET/FUEL	197,000	0	197,000	147,864.44	.00	49,135.56	75.1%
1052052 DEBT SERVICE	6,655,882	0	6,655,882	2,029,978.55	.00	4,625,903.71	30.5%
1060019 WWTP - LABORATORY	323,063	0	323,063	257,199.24	.00	65,863.55	79.6%
1060022 TREATMENT PLANT MAINTENANCE	1,120,589	0	1,120,589	974,315.38	.00	146,273.62	86.9%
1060023 MAIN STATION	89,000	0	89,000	45,990.27	.00	43,009.73	51.7%
1060025 WWTP - IPP	117,018	0	117,018	87,348.14	.00	29,669.86	74.6%
1060028 WWTP - BENEFICIAL REUSE	848,408	0	848,408	761,503.00	.00	86,905.00	89.8%
1060029 WWTP - DEWATERING	476,278	0	476,278	305,516.13	.00	170,761.87	64.1%
1060030 WWTP - COMPOST	917,004	0	917,004	749,551.01	.00	167,452.99	81.7%
1060032 TREATMENT PLANT OPERATION	1,896,631	0	1,896,631	1,733,710.76	.00	162,920.24	91.4%
1070021 COLLECTION-MAINTENANCE	1,757,721	0	1,757,721	1,431,636.02	.00	326,084.98	81.4%
1070022 CONSTRUCT EQUIP MAINTENANCE	65,000	0	65,000	63,664.57	.00	1,335.43	97.9%
1070034 COLLECTION-INSPECTION	450,239	0	450,239	374,743.82	.00	75,495.18	83.2%
1070036 COLLECTION-PUMP STATION	157,600	0	157,600	87,668.37	.00	69,931.63	55.6%
TOTAL OPERATING FUND	20,087,346	0	20,087,346	2,664,158.15	.00	17,423,188.22	13.3%
TOTAL REVENUES	-16,652,265	0	-16,652,265	-11,957,573.23	.00	-4,694,691.45	
TOTAL EXPENSES	36,739,611	0	36,739,611	14,621,731.38	.00	22,117,879.67	

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<hr/>							
1040410 REVENUE-SEWER	<hr/>						
1040410 4101 UAJA TOTAL SEWER R	-10,324,932	0	-10,324,932	-7,772,137.52	.00	-2,552,794.48	75.3%*
1040410 4102 BORO SEWER TOTAL R	-3,800,000	0	-3,800,000	-2,622,402.23	.00	-1,177,597.77	69.0%*
1040410 4103 PGM TOTAL SEWER RE	-379,000	0	-379,000	-253,551.56	.00	-125,448.44	66.9%*
1040410 4104 PSU TOTAL SEWER RE	-220,000	0	-220,000	-71,576.31	.00	-148,423.69	32.5%*
1040410 4105 SURCHARGES TOTAL R	-150,000	0	-150,000	-94,952.00	.00	-55,048.00	63.3%*
TOTAL REVENUE-SEWER	-14,873,932	0	-14,873,932	-10,814,619.62	.00	-4,059,312.38	72.7%
<hr/>							
1040420 REVENUE-SOLIDS	<hr/>						
1040420 4201 N5001 NONTAXABLE	-45,000	0	-45,000	-51,777.50	.00	6,777.50	115.1%
1040420 4201 N5002 TAXABLE COMPO	-6,000	0	-6,000	-10,427.86	.00	4,427.86	173.8%
1040420 4203 SLUDGE DISPOSAL	-23,000	0	-23,000	-34,289.23	.00	11,289.23	149.1%
TOTAL REVENUE-SOLIDS	-74,000	0	-74,000	-96,494.59	.00	22,494.59	130.4%
<hr/>							
1040425 REVENUE-BU WATER	<hr/>						
1040425 4251 REVENUE-BU WATER	-25,000	0	-25,000	-22,208.00	.00	-2,792.00	88.8%*
TOTAL REVENUE-BU WATER	-25,000	0	-25,000	-22,208.00	.00	-2,792.00	88.8%
<hr/>							
1040430 MAINTENANCE	<hr/>						
1040430 4301 REVENUE-MAINT BORO	-65,000	0	-65,000	-83,424.50	.00	18,424.50	128.3%
TOTAL MAINTENANCE	-65,000	0	-65,000	-83,424.50	.00	18,424.50	128.3%
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1040440 REVENUE-PERMIT/TAP FEES	<hr/>						
1040440 4401 PERMIT/CONNECTION	-20,250	0	-20,250	-15,623.23	.00	-4,626.77	77.2%*
1040440 4402 TAP FEE-TREATMENT	-846,400	0	-846,400	-516,254.67	.00	-330,145.33	61.0%*

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1040440 4403 GHANER TAP FEE	-18,550	0	-18,550	-9,632.00	.00	-8,918.00	51.9%*
1040440 4404 TAP FEE-PGM COLLEC	-4,428	0	-4,428	.00	.00	-4,428.00	.0%*
1040440 4405 IPP USER FEES	-4,750	0	-4,750	-3,800.00	.00	-950.00	80.0%*
1040440 4409 WATER QUALITY MNGT	-500	0	-500	-400.00	.00	-100.00	80.0%*
1040440 4410 REPAIR PERMIT	-1,550	0	-1,550	-1,350.00	.00	-200.00	87.1%*
1040440 4411 TAP FEE - ROUTE 26	-109,850	0	-109,850	-16,950.00	.00	-92,900.00	15.4%*
1040440 4412 CIRCLEVILLE TAP FE	-79,306	0	-79,306	-4,375.68	.00	-74,930.32	5.5%*
1040440 4413 VALLEY VISTA TAP F	-28,495	0	-28,495	-18,716.80	.00	-9,778.20	65.7%*
TOTAL REVENUE-PERMIT/TAP FEES	-1,114,079	0	-1,114,079	-587,102.38	.00	-526,976.62	52.7%
1040450 REVENUE-ADVCD. CONSTRC FEE							
1040450 4407 INSPECTION FEES	-40,000	0	-40,000	.00	.00	-40,000.00	.0%*
1040450 4407 B5026 GRAYSWOOD BRY	0	0	0	-6,304.69	.00	6,304.69	100.0%
1040450 4407 B5353 INSPECTION FE	0	0	0	-2,936.59	.00	2,936.59	100.0%
1040450 4407 B5457 INSPECTION FE	0	0	0	-2,199.39	.00	2,199.39	100.0%
1040450 4407 B5468 INSPECTION FE	0	0	0	-4,866.09	.00	4,866.09	100.0%
1040450 4407 B5472 INSPECTION FE	0	0	0	-4,470.30	.00	4,470.30	100.0%
TOTAL REVENUE-ADVCD. CONSTRC FEE	-40,000	0	-40,000	-20,777.06	.00	-19,222.94	51.9%
1040451 REVENUE-MISC. REIMBURSEMNT							
1040451 4503 EMPLOYEE GROUP INS	-22,914	0	-22,914	-16,784.14	.00	-6,129.54	73.2%*
1040451 4508 SALE OF ASSETS	-250,000	0	-250,000	-120,762.50	.00	-129,237.50	48.3%*
TOTAL REVENUE-MISC. REIMBURSEMNT	-272,914	0	-272,914	-137,546.64	.00	-135,367.04	50.4%
1040470 INTEREST EARNINGS-CASH ACCTS							
1040470 4701 GENERAL CHECKING-I	-10	0	-10	.00	.00	-10.00	.0%*
1040470 4702 PAYROLL-INTEREST E	-400	0	-400	-79.15	.00	-320.85	19.8%*
1040470 4717 SWEEP CHECKING-INT	-1,000	0	-1,000	-256.33	.00	-743.67	25.6%*
TOTAL INTEREST EARNINGS-CASH ACCTS	-1,410	0	-1,410	-335.48	.00	-1,074.52	23.8%
1040472 INTEREST EARNINGS-PLIGIT							
1040472 4703 PLIGIT-INTEREST EA	-30	0	-30	-.12	.00	-29.88	.4%*

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1040472 4711 PLIGIT-EMMAUS-INTE	-200	0	-200	-.21	.00	-199.79	.1%*
1040472 4719 PLIGIT PLUS - INTE	-145	0	-145	-1.49	.00	-143.51	1.0%*
TOTAL INTEREST EARNINGS-PLIGIT	-375	0	-375	-1.82	.00	-373.18	.5%
1040474 INTEREST EARNINGS - TRUSTEE							
1040474 4706 BOND REMP/IMP-INTE	-30,000	0	-30,000	-46,905.49	.00	16,905.49	156.4%
1040474 4707 BRIF/EMMAUS-INTERE	-555	0	-555	-9.02	.00	-545.98	1.6%*
1040474 4724 INTEREST 93 DEBT S	-50,000	0	-50,000	-366,662.10	.00	316,662.10	733.3%
1040474 4725 INT 93 OPERATING E	-2,000	0	-2,000	-4,661.04	.00	2,661.04	233.1%
1040474 4726 INT 93 DEBT SERVIC	-5,000	0	-5,000	271,705.24	.00	-276,705.24	5434.1%*
1040474 4727 INT REVENUE FUND	-3,000	0	-3,000	-132.83	.00	-2,867.17	4.4%*
1040474 4733 2020A CONSTRUCTION	0	0	0	-345.10	.00	345.10	100.0%
1040474 4734 2021 CONSTRUCTION	0	0	0	-273.02	.00	273.02	100.0%
TOTAL INTEREST EARNINGS - TRUSTEE	-90,555	0	-90,555	-147,283.36	.00	56,728.36	162.6%
1040480 REVENUES-MISCELLANEOUS							
1040480 4899 MISCELLANEOUS RECE	-50,000	0	-50,000	-2,779.78	.00	-47,220.22	5.6%*
1040480 4909 SOLAR MAINTENANCE	-45,000	0	-45,000	-45,000.00	.00	.00	100.0%
TOTAL REVENUES-MISCELLANEOUS	-95,000	0	-95,000	-47,779.78	.00	-47,220.22	50.3%
1045919 CIP-WWTP-LAB							
1045919 0019 6318 BOD INCUBATOR	6,200	0	6,200	5,682.43	.00	517.57	91.7%
1045919 0019 6319 ANALYTICAL BAL	8,500	0	8,500	8,151.50	.00	348.50	95.9%
TOTAL CIP-WWTP-LAB	14,700	0	14,700	13,833.93	.00	866.07	94.1%
1045921 CIP-COLLECTION MAINT I&I							
1045921 0021 6271 SHILOH RELOCAT	70,000	0	70,000	121,903.10	.00	-51,903.10	174.1%*
1045921 0021 6272 GREENBRIAR ENG	50,000	0	50,000	8,931.97	.00	41,068.03	17.9%

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1045921 0021 6285 WHITEHALL ROAD	35,000	0	35,000	5,681.40	.00	29,318.60	16.2%
1045921 0021 6300 CAPITAL IN PRO	516,000	0	516,000	291,311.57	.00	224,688.43	56.5%
1045921 0021 6312 HAYMARKET PROJ	35,000	0	35,000	1,417.50	.00	33,582.50	4.1%
1045921 0021 6315 UAJA CONDUIT P	91,000	0	91,000	74,858.76	.00	16,141.24	82.3%
1045921 5405 6235 GRAYSWOODS ENG	15,000	0	15,000	4,664.00	.00	10,336.00	31.1%
1045921 5405 6271 SHILOH RELOCAT	5,000	0	5,000	1,935.95	.00	3,064.05	38.7%
1045921 5405 6272 GREENBRIAR ENG	10,000	0	10,000	9,075.00	.00	925.00	90.8%
1045921 5405 6300 SCOTT ROAD UPG	177,000	0	177,000	105,591.90	.00	71,408.10	59.7%
1045921 5405 6310 WHITEHALL ROAD	19,200	0	19,200	15,100.00	.00	4,100.00	78.6%
1045921 5405 6313 HAYMARKET ENGI	16,800	0	16,800	.00	.00	16,800.00	.0%
1045921 5405 6316 UAJA CONDUIT E	24,000	0	24,000	51,055.00	.00	-27,055.00	212.7%*
1045921 5505 6300 PUMP STATION M	749,000	0	749,000	.00	.00	749,000.00	.0%
1045921 ER01 6271 SHILOH RELOCAT	5,000	0	5,000	670.00	.00	4,330.00	13.4%
1045921 ER05 6300 RENTAL-TRUCK	75,000	0	75,000	2,280.00	.00	72,720.00	3.0%
1045921 PV01 6271 SHILOH TRENCH	25,000	0	25,000	26,046.52	.00	-1,046.52	104.2%*
1045921 PV01 6300 PAVING CONTRAC	30,000	0	30,000	.00	.00	30,000.00	.0%
1045921 PV01 6311 WHITEHALL ROAD	15,000	0	15,000	.00	.00	15,000.00	.0%
1045921 PV01 6314 HAYMARKET TREN	17,500	0	17,500	.00	.00	17,500.00	.0%
1045921 PV01 6317 UAJA CONDUIT T	25,000	0	25,000	.00	.00	25,000.00	.0%
1045921 PV02 6271 SHILOH BIKE PA	65,000	0	65,000	31,250.00	.00	33,750.00	48.1%
TOTAL CIP-COLLECTION MAINT I&I	2,070,500	0	2,070,500	751,772.67	.00	1,318,727.33	36.3%
1045922 CIP-COLLECTION-CONST. EQUIPM							
1045922 0021 6288 NEW COLLECTION	20,000	0	20,000	22,668.30	.00	-2,668.30	113.3%*
1045922 0021 6328 NEW UNIT 22	11,821	0	11,821	.00	.00	11,821.00	.0%
1045922 0021 6329 NEW T-TAG	20,860	0	20,860	.00	.00	20,860.00	.0%
1045922 0021 6330 NEW JET TRUCK	172,095	0	172,095	.00	.00	172,095.00	.0%
1045922 0021 6331 NEW STORAGE BU	155,000	0	155,000	.00	.00	155,000.00	.0%
TOTAL CIP-COLLECTION-CONST. EQUIPM	379,776	0	379,776	22,668.30	.00	357,107.70	6.0%
1045924 CIP-WWTP-PHYSICAL PLANT							
1045924 0024 6256 ENR/AWT PROJEC	0	0	0	212,366.80	.00	-212,366.80	100.0%*
1045924 0024 6260 SOLAR PROJECT	98,000	0	98,000	135,087.07	.00	-37,087.07	137.8%*
1045924 0024 6294 NEW TRUCK PLAN	15,300	0	15,300	17,272.26	.00	-1,972.26	112.9%*
1045924 0024 6304 AERATION SYSTE	725,000	0	725,000	637,812.56	.00	87,187.44	88.0%
1045924 0024 6320 5000 LB FORKLI	10,083	0	10,083	.00	.00	10,083.00	.0%

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1045924 0024 6321 NEW TRUCK WITH	22,773	0	22,773	.00	.00	22,773.00	.0%
1045924 0024 6322 UAJA ENTRANCE	350,404	0	350,404	2,100.00	.00	348,304.00	.6%
1045924 0024 6323 UAJA ENTRANCE	22,500	0	22,500	20,318.86	.00	2,181.14	90.3%
1045924 0024 6324 OZONE DISINFEC	115,000	0	115,000	166,932.65	.00	-51,932.65	145.2%*
1045924 0024 6325 OZONE DISINFEC	4,050,000	0	4,050,000	8,078.09	.00	4,041,921.91	.2%
1045924 0024 6333 DISSOLVED PHOS	180,000	0	180,000	151,875.03	.00	28,124.97	84.4%
1045924 0024 6334 HIGH VOLTAGE S	1,000,000	0	1,000,000	1,092,734.05	.00	-92,734.05	109.3%*
TOTAL CIP-WWTP-PHYSICAL PLANT	6,589,060	0	6,589,060	2,444,577.37	.00	4,144,482.63	37.1%
1045928 CIP-BENEFICIAL REUSE							
1045928 0028 6239 MF MEMBRANE RE	90,000	0	90,000	74,080.00	.00	15,920.00	82.3%
1045928 0028 6262 WATERLINE PH 2	20,000	0	20,000	181,331.79	.00	-161,331.79	906.7%*
1045928 0028 6332 KISSINGER MEAD	110,000	0	110,000	10,016.36	.00	99,983.64	9.1%
1045928 5405 6261 WATERLINE PH 2	7,250	0	7,250	7,919.40	.00	-669.40	109.2%*
1045928 5405 6332 KISSINGER MEAD	15,000	0	15,000	4,585.25	.00	10,414.75	30.6%
1045928 ER05 6262 HARRIS REUSE T	0	0	0	807.50	.00	-807.50	100.0%*
TOTAL CIP-BENEFICIAL REUSE	242,250	0	242,250	278,740.30	.00	-36,490.30	115.1%
1045929 CIP-WWTP-DEWATERING FACILITY							
1045929 0029 6309 BIG BERTHA MIX	0	0	0	49,279.09	.00	-49,279.09	100.0%*
TOTAL CIP-WWTP-DEWATERING FACILITY	0	0	0	49,279.09	.00	-49,279.09	100.0%
1045930 CIP-WWTP-COMPOST FACILITY							
1045930 0030 6245 ODOR CONTROL	0	0	0	40,789.87	.00	-40,789.87	100.0%*
1045930 0030 6295 NEW COMPOST LO	40,000	0	40,000	52,331.01	.00	-12,331.01	130.8%*
1045930 0030 6326 SOLIDS DRYING	690,000	0	690,000	321,994.56	.00	368,005.44	46.7%
1045930 0030 6327 SOLIDS DRYING	9,600,000	0	9,600,000	.00	.00	9,600,000.00	.0%
1045930 5405 6245 ODOR CONTROL E	0	0	0	3,818.59	.00	-3,818.59	100.0%*
TOTAL CIP-WWTP-COMPOST FACILITY	10,330,000	0	10,330,000	418,934.03	.00	9,911,065.97	4.1%
1045950 CIP-GENERAL & ADMINISTRATIVE							
1045950 0050 6043 COMPUTER HARDW	90,000	0	90,000	.00	.00	90,000.00	.0%

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1045950 0050 6047 COMPUTER SOFTW	100,000	0	100,000	.00	.00	100,000.00	.0%
TOTAL CIP-GENERAL & ADMINISTRATIVE	190,000	0	190,000	.00	.00	190,000.00	.0%
1050050 GENERAL & ADMINISTRATIVE							
1050050 5001 SUPERVISOR LABOR	256,417	0	256,417	185,045.91	.00	71,371.09	72.2%
1050050 5002 REGULAR LABOR	355,201	0	355,201	245,057.59	.00	110,143.41	69.0%
1050050 5006 VACATION	0	0	0	43,268.80	.00	-43,268.80	100.0%*
1050050 5007 SICK	0	0	0	8,191.84	.00	-8,191.84	100.0%*
1050050 5008 PERSONAL	0	0	0	6,431.06	.00	-6,431.06	100.0%*
1050050 5009 JURY/CIVIL/VOLUNTE	0	0	0	2,304.36	.00	-2,304.36	100.0%*
1050050 5010 HOLIDAY	0	0	0	16,705.09	.00	-16,705.09	100.0%*
1050050 5101 FICA EXPENSE	37,920	0	37,920	31,434.41	.00	6,485.59	82.9%
1050050 5102 MEDICARE EXPENSE	8,868	0	8,868	7,351.50	.00	1,516.50	82.9%
1050050 5201 UNEMPLOYMENT EXPEN	23,000	0	23,000	18,020.90	.00	4,979.10	78.4%
1050050 5202 GROUP HEALTH INSUR	154,661	0	154,661	123,710.10	.00	30,950.90	80.0%
1050050 5203 PENSION (401) UAJA	86,804	0	86,804	48,914.64	.00	37,889.36	56.4%
1050050 5205 COBRA EMPLOYEE INS	10,000	0	10,000	15,414.69	.00	-5,414.69	154.1%*
1050050 5207 GROUP LIFE INSURAN	80,400	0	80,400	80,566.36	.00	-166.36	100.2%*
1050050 5208 HEALTH DEDUCTIBLE	175,000	0	175,000	107,862.66	.00	67,137.34	61.6%
1050050 5301 OFFICE SUPPLIES	15,000	0	15,000	17,870.84	.00	-2,870.84	119.1%*
1050050 5302 POSTAGE/SHIPPING	30,000	0	30,000	27,246.32	.00	2,753.68	90.8%
1050050 5303 JANITORIAL SUPPLIE	7,000	0	7,000	4,395.87	.00	2,604.13	62.8%
1050050 5307 PETTY CASH EXPENDI	200	0	200	130.42	.00	69.58	65.2%
1050050 5401 ADVERTISING	3,000	0	3,000	2,138.62	.00	861.38	71.3%
1050050 5402 AUDIT	23,000	0	23,000	22,589.94	.00	410.06	98.2%
1050050 5403 6107 MAYLIE PROPERT	0	0	0	28.84	.00	-28.84	100.0%*
1050050 5405 ENGINEERING-RETAIN	20,000	0	20,000	15,378.51	.00	4,621.49	76.9%
1050050 5406 LEGAL	60,000	0	60,000	52,126.20	.00	7,873.80	86.9%
1050050 5408 INSURANCE - COMMER	280,000	0	280,000	310,488.00	.00	-30,488.00	110.9%*
1050050 5499 MISCELLANEOUS OUTS	15,000	0	15,000	15,789.00	.00	-789.00	105.3%*
1050050 5501 1054 O & M - COPIER	5,000	0	5,000	10,306.04	.00	-5,306.04	206.1%*
1050050 5601 COMMUNICATIONS	40,000	0	40,000	27,538.30	.00	12,461.70	68.8%
1050050 5701 TRAINING, SEMINARS	5,000	0	5,000	14,512.00	.00	-9,512.00	290.2%*
1050050 5702 MEMBERSHIPS, SUBSC	6,500	0	6,500	7,731.00	.00	-1,231.00	118.9%*
1050050 5703 UNIFORMS-BOOTS-GLO	18,000	0	18,000	15,647.45	.00	2,352.55	86.9%
1050050 5704 VACCINATIONS	1,500	0	1,500	.00	.00	1,500.00	.0%
1050050 5706 EMPLOYEE/EMPLOYER	2,500	0	2,500	1,463.10	.00	1,036.90	58.5%
1050050 5707 MEAL ALLOWANCE	500	0	500	143.79	.00	356.21	28.8%
1050050 5708 SAFETY EQUIPMENT	8,000	0	8,000	3,476.93	.00	4,523.07	43.5%
1050050 5709 SAFETY TRAINING	3,000	0	3,000	.00	.00	3,000.00	.0%

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1050050 5710 DRUG/ALCOHOL TESTI	500	0	500	754.00	.00	-254.00	150.8%*
1050050 6006 MISCELLANEOUS EXPE	1,000	0	1,000	60.00	.00	940.00	6.0%
1050050 6007 BANK FEES/CHARGES	0	0	0	12.00	.00	-12.00	100.0%*
1050050 6015 WATER-CTWA	6,000	0	6,000	6,436.00	.00	-436.00	107.3%*
1050050 6017 GARBAGE	10,000	0	10,000	3,606.02	.00	6,393.98	36.1%
1050050 6019 CNET	8,656	0	8,656	8,634.50	.00	21.50	99.8%
TOTAL GENERAL & ADMINISTRATIVE	1,757,627	0	1,757,627	1,508,783.60	.00	248,843.40	85.8%
1050053 G & A - INFORMATION TECHNOLOGY							
1050053 IT71 INTERNET SERVICE	5,000	0	5,000	3,394.18	.00	1,605.82	67.9%
1050053 IT72 HARDWARE-DATA PROC	18,365	0	18,365	16,679.54	.00	1,685.46	90.8%
1050053 IT73 SOFTWARE-DATA PROC	69,900	0	69,900	62,228.67	.00	7,671.33	89.0%
1050053 IT74 TRAINING-DATA PROC	1,000	0	1,000	150.00	.00	850.00	15.0%
TOTAL G & A - INFORMATION TECHNOLOGY	94,265	0	94,265	82,452.39	.00	11,812.61	87.5%
1050054 G & A - FLEET/FUEL							
1050054 5502 VEHICLE MAINTENANC	75,000	0	75,000	39,184.60	.00	35,815.40	52.2%
1050054 5603 1006 GASOLINE.	35,000	0	35,000	24,202.58	.00	10,797.42	69.2%
1050054 5603 1008 DIESEL FUEL	87,000	0	87,000	84,477.26	.00	2,522.74	97.1%
TOTAL G & A - FLEET/FUEL	197,000	0	197,000	147,864.44	.00	49,135.56	75.1%
1052052 DEBT SERVICE							
1052052 5801 INTEREST PAID-1993	2,678,441	0	2,678,441	1,224,910.96	.00	1,453,530.04	45.7%
1052052 5802 INTEREST PAID - EM	500	0	500	124.55	.00	375.45	24.9%
1052052 5804 BOND ISSUANCE COST	0	0	0	339,570.04	.00	-339,570.04	100.0%*
1052052 5901 PRINCIPAL PAID-199	3,865,000	0	3,865,000	360,000.00	.00	3,505,000.00	9.3%
1052052 5903 PRINCIPAL PAID-EMM	95,000	0	95,000	95,000.00	.00	.00	100.0%
1052052 6106 TRUSTEE FEES EMMAU	2,100	0	2,100	2,123.00	.00	-23.00	101.1%*
1052052 6120 TRUSTEE FEE 12	1,886	0	1,886	.00	.00	1,885.63	.0%
1052052 6122 2015 TRUSTEE FEES	1,886	0	1,886	1,650.00	.00	235.63	87.5%
1052052 6123 TRUSTEE FEE 2016	1,750	0	1,750	.00	.00	1,750.00	.0%
1052052 6124 TRUSTEE FEE 2017	1,750	0	1,750	1,650.00	.00	100.00	94.3%

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1052052 6125 TRUSTEE FESS 2017A	1,750	0	1,750	1,650.00	.00	100.00	94.3%
1052052 6126 TRUSTEE FEE 2017B	2,520	0	2,520	.00	.00	2,520.00	.0%
1052052 6127 TRUSTEE FEE 2018	1,650	0	1,650	1,650.00	.00	.00	100.0%
1052052 6128 TRUSTEE FEE 2020	1,650	0	1,650	1,650.00	.00	.00	100.0%
TOTAL DEBT SERVICE	6,655,882	0	6,655,882	2,029,978.55	.00	4,625,903.71	30.5%
1060019 WWTP - LABORATORY							
1060019 5001 SUPERVISOR LABOR	82,847	0	82,847	59,500.44	.00	23,346.14	71.8%
1060019 5002 REGULAR LABOR	140,638	0	140,638	96,319.82	.00	44,318.39	68.5%
1060019 5003 OVERTIME LABOR	500	0	500	401.17	.00	98.83	80.2%
1060019 5006 VACATION	0	0	0	4,692.30	.00	-4,692.30	100.0%*
1060019 5007 SICK	0	0	0	9,038.70	.00	-9,038.70	100.0%*
1060019 5008 PERSONAL DAY	0	0	0	833.73	.00	-833.73	100.0%*
1060019 5010 HOLIDAY	0	0	0	4,499.52	.00	-4,499.52	100.0%*
1060019 5101 FICA EXPENSE	14,000	0	14,000	11,027.91	.00	2,972.09	78.8%
1060019 5102 MEDICARE EXPENSE	3,241	0	3,241	2,578.77	.00	662.23	79.6%
1060019 5202 GROUP HEALTH INSUR	41,270	0	41,270	34,398.77	.00	6,871.23	83.4%
1060019 5203 PENSION (401) UAJA	15,317	0	15,317	11,802.75	.00	3,514.25	77.1%
1060019 5305 SMALL EQUIPMT/TOOL	250	0	250	105.15	.00	144.85	42.1%
1060019 5306 LAB SUPPLIES	22,000	0	22,000	20,293.27	.00	1,706.73	92.2%
1060019 5501 EQUIPMENT MAINTENA	3,000	0	3,000	1,706.94	.00	1,293.06	56.9%
TOTAL WWTP - LABORATORY	323,063	0	323,063	257,199.24	.00	65,863.55	79.6%
1060022 TREATMENT PLANT MAINTENANCE							
1060022 5001 SUPERVISOR LABOR	37,815	0	37,815	25,867.35	.00	11,947.65	68.4%
1060022 5002 REGULAR LABOR	462,062	0	462,062	273,586.59	.00	188,475.41	59.2%
1060022 5003 OVERTIME LABOR	5,000	0	5,000	8,309.36	.00	-3,309.36	166.2%*
1060022 5006 VACATION	0	0	0	54,150.34	.00	-54,150.34	100.0%*
1060022 5007 SICK	0	0	0	30,987.93	.00	-30,987.93	100.0%*
1060022 5008 PERSONAL DAY	0	0	0	12,546.58	.00	-12,546.58	100.0%*
1060022 5009 JURY/CIVIL/VOLUNTE	0	0	0	256.18	.00	-256.18	100.0%*
1060022 5010 HOLIDAY	0	0	0	11,491.84	.00	-11,491.84	100.0%*
1060022 5101 FICA EXPENSE	31,000	0	31,000	23,812.37	.00	7,187.63	76.8%
1060022 5102 MEDICARE EXPENSE	7,250	0	7,250	5,568.97	.00	1,681.03	76.8%
1060022 5202 GROUP HEALTH INSUR	98,577	0	98,577	94,770.92	.00	3,806.08	96.1%
1060022 5203 PENSION (401) UAJA	26,885	0	26,885	19,899.53	.00	6,985.47	74.0%

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1060022 5304 OPERATIONAL SUPPLI	5,000	0	5,000	3,598.44	.00	1,401.56	72.0%
1060022 5305 SMALL EQUIPMT/TOOL	14,000	0	14,000	9,384.91	.00	4,615.09	67.0%
1060022 5501 EQUIPMENT MAINTENA	190,000	0	190,000	180,192.33	.00	9,807.67	94.8%
1060022 5501 6174 SCADIA MAINT	40,000	0	40,000	52,231.65	.00	-12,231.65	130.6%*
1060022 5501 6175 UV MAINT	55,000	0	55,000	17,597.14	.00	37,402.86	32.0%
1060022 5501 6283 SOLAR MAINTENA	21,000	0	21,000	45,022.25	.00	-24,022.25	214.4%*
1060022 5503 BUILDING & GROUND	52,000	0	52,000	30,314.62	.00	21,685.38	58.3%
1060022 5508 GRIT REMOVAL-PLANT	22,000	0	22,000	32,371.53	.00	-10,371.53	147.1%*
1060022 5603 FUEL, OIL, LUBRICA	18,000	0	18,000	19,849.76	.00	-1,849.76	110.3%*
1060022 7511 LANDSCAPE	35,000	0	35,000	22,504.79	.00	12,495.21	64.3%
TOTAL TREATMENT PLANT MAINTENANCE	1,120,589	0	1,120,589	974,315.38	.00	146,273.62	86.9%
1060023 MAIN STATION							
1060023 5002 B5001 REGULAR LABOR	0	0	0	15,217.05	.00	-15,217.05	100.0%*
1060023 5101 B5001 FICA EXPENSE	0	0	0	943.49	.00	-943.49	100.0%*
1060023 5102 B5001 MEDICARE EXPE	0	0	0	220.70	.00	-220.70	100.0%*
1060023 5202 B5001 GROUP HEALTH	0	0	0	2,660.63	.00	-2,660.63	100.0%*
1060023 5203 B5001 PENSION (401)	0	0	0	760.75	.00	-760.75	100.0%*
1060023 5505 B5001 PUMP STATION	50,000	0	50,000	1,508.29	.00	48,491.71	3.0%
1060023 5602 B5001 O&M MAIN STAT	39,000	0	39,000	24,679.36	.00	14,320.64	63.3%
TOTAL MAIN STATION	89,000	0	89,000	45,990.27	.00	43,009.73	51.7%
1060025 WWTP - IPP							
1060025 5001 SUPERVISOR LABOR	81,347	0	81,347	59,445.15	.00	21,901.85	73.1%
1060025 5006 VACATION	0	0	0	742.76	.00	-742.76	100.0%*
1060025 5007 SICK	0	0	0	199.02	.00	-199.02	100.0%*
1060025 5010 HOLIDAY	0	0	0	718.39	.00	-718.39	100.0%*
1060025 5101 FICA EXPENSE	5,044	0	5,044	3,788.63	.00	1,255.37	75.1%
1060025 5102 MEDICARE EXPENSE	1,180	0	1,180	886.18	.00	293.82	75.1%
1060025 5202 GROUP HEALTH INSUR	17,162	0	17,162	13,765.88	.00	3,396.12	80.2%
1060025 5203 PENSION (401) UAJA	8,135	0	8,135	6,110.46	.00	2,024.54	75.1%
1060025 5304 OPERATION SUPPLIES	0	0	0	11.98	.00	-11.98	100.0%*
1060025 5305 SMALL EQUIPMT/TOOL	150	0	150	89.69	.00	60.31	59.8%
1060025 5410 ANALYSIS	3,500	0	3,500	1,590.00	.00	1,910.00	45.4%
1060025 5501 EQUIPMENT MAINTENA	500	0	500	.00	.00	500.00	.0%
TOTAL WWTP - IPP	117,018	0	117,018	87,348.14	.00	29,669.86	74.6%

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1060028 WWTP - BENEFICIAL REUSE								
1060028	5001 SUPERVISOR LABOR	37,815	0	37,815	25,867.35	.00	11,947.65	68.4%
1060028	5006 VACATION	0	0	0	742.76	.00	-742.76	100.0%*
1060028	5007 SICK	0	0	0	199.02	.00	-199.02	100.0%*
1060028	5010 HOLIDAY	0	0	0	718.39	.00	-718.39	100.0%*
1060028	5101 FICA EXPENSE	2,345	0	2,345	1,706.78	.00	638.22	72.8%
1060028	5102 MEDICARE EXPENSE	548	0	548	399.24	.00	148.76	72.9%
1060028	5202 GROUP HEALTH INSUR	7,918	0	7,918	6,136.72	.00	1,781.28	77.5%
1060028	5203 PENSION (401) UAJA	3,782	0	3,782	2,752.67	.00	1,029.33	72.8%
1060028	5304 OPERATIONAL SUPPLI	15,000	0	15,000	4,749.71	.00	10,250.29	31.7%
1060028	5304 1065 OPERATIONAL SU	375,000	0	375,000	390,733.66	.00	-15,733.66	104.2%*
1060028	5305 SMALL EQUIPMT/TOOL	1,000	0	1,000	1,184.89	.00	-184.89	118.5%*
1060028	5410 LAB ANALYSIS	15,000	0	15,000	18,730.00	.00	-3,730.00	124.9%*
1060028	5501 EQUIPMENT MAINTENA	125,000	0	125,000	97,442.02	.00	27,557.98	78.0%
1060028	5602 1064 POWER	200,000	0	200,000	154,660.35	.00	45,339.65	77.3%
1060028	5605 CTWA REIMBURSE	65,000	0	65,000	55,479.44	.00	9,520.56	85.4%
TOTAL WWTP - BENEFICIAL REUSE		848,408	0	848,408	761,503.00	.00	86,905.00	89.8%
1060029 WWTP - DEWATERING								
1060029	5001 SUPERVISOR LABOR	37,815	0	37,815	25,863.20	.00	11,951.80	68.4%
1060029	5002 REGULAR LABOR	134,339	0	134,339	91,758.73	.00	42,580.27	68.3%
1060029	5003 OVERTIME LABOR	2,000	0	2,000	2,557.98	.00	-557.98	127.9%*
1060029	5004 SHIFT LABOR	0	0	0	8.88	.00	-8.88	100.0%*
1060029	5006 VACATION	0	0	0	8,294.63	.00	-8,294.63	100.0%*
1060029	5007 SICK	0	0	0	3,526.12	.00	-3,526.12	100.0%*
1060029	5008 PERSONAL	0	0	0	1,030.42	.00	-1,030.42	100.0%*
1060029	5009 JURY/CIVIL/VOLUNTE	0	0	0	510.94	.00	-510.94	100.0%*
1060029	5010 HOLIDAY	0	0	0	3,277.82	.00	-3,277.82	100.0%*
1060029	5101 FICA EXPENSE	10,674	0	10,674	8,571.33	.00	2,102.67	80.3%
1060029	5102 MEDICARE EXPENSE	2,496	0	2,496	2,004.61	.00	491.39	80.3%
1060029	5202 GROUP HEALTH INSUR	24,956	0	24,956	31,372.61	.00	-6,416.61	125.7%*
1060029	5203 PENSION (401) UAJA	10,498	0	10,498	8,089.16	.00	2,408.84	77.1%
1060029	5304 OPERATIONAL SUPPLI	500	0	500	139.49	.00	360.51	27.9%
1060029	5304 1036 POLYMER	55,000	0	55,000	39,420.00	.00	15,580.00	71.7%
1060029	5501 EQUIPMENT MAINTENA	125,000	0	125,000	8,790.05	.00	116,209.95	7.0%
1060029	5602 1042 POWER-DEWATERI	73,000	0	73,000	70,300.16	.00	2,699.84	96.3%
TOTAL WWTP - DEWATERING		476,278	0	476,278	305,516.13	.00	170,761.87	64.1%

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1060030 WWTP - COMPOST								
1060030	5001	SUPERVISOR LABOR	37,815	0	37,815	25,863.20	.00	11,951.80 68.4%
1060030	5002	REGULAR LABOR	258,231	0	258,231	178,189.51	.00	80,041.49 69.0%
1060030	5003	OVERTIME LABOR	10,000	0	10,000	20,604.32	.00	-10,604.32 206.0%*
1060030	5006	VACATION	0	0	0	19,385.34	.00	-19,385.34 100.0%*
1060030	5007	SICK	0	0	0	3,491.27	.00	-3,491.27 100.0%*
1060030	5008	PERSONAL	0	0	0	1,492.69	.00	-1,492.69 100.0%*
1060030	5010	HOLIDAY	0	0	0	7,239.37	.00	-7,239.37 100.0%*
1060030	5101	FICA EXPENSE	18,355	0	18,355	16,231.06	.00	2,123.94 88.4%
1060030	5102	MEDICARE EXPENSE	4,293	0	4,293	3,795.99	.00	497.01 88.4%
1060030	5202	GROUP HEALTH INSUR	82,230	0	82,230	39,362.37	.00	42,867.63 47.9%
1060030	5203	PENSION (401) UAJA	16,693	0	16,693	13,000.25	.00	3,692.75 77.9%
1060030	5304	OPERATIONAL SUPPLI	2,000	0	2,000	343.55	.00	1,656.45 17.2%
1060030	5304	1038 COMPOST AMEND	120,000	0	120,000	76,975.00	.00	43,025.00 64.1%
1060030	5305	SMALL EQUIPMT/TOOL	2,500	0	2,500	470.24	.00	2,029.76 18.8%
1060030	5409	LICENSE & FEES	5,500	0	5,500	6,217.62	.00	-717.62 113.0%*
1060030	5410	LAB ANALYSIS	11,500	0	11,500	7,287.00	.00	4,213.00 63.4%
1060030	5413	MARKETING	500	0	500	.00	.00	500.00 .0%
1060030	5415	VECTOR CONTROL	4,887	0	4,887	4,886.50	.00	.50 100.0%
1060030	5501	EQUIPMENT MAINTENA	50,000	0	50,000	29,846.36	.00	20,153.64 59.7%
1060030	5506	1032 SKID STEER 184	5,000	0	5,000	2,529.28	.00	2,470.72 50.6%
1060030	5506	1033 FRONT END LOAD	10,000	0	10,000	3,628.12	.00	6,371.88 36.3%
1060030	5506	1055 STREET SWEEPER	4,000	0	4,000	4,283.97	.00	-283.97 107.1%*
1060030	5506	1062 CAT SKID STEER	7,500	0	7,500	13,950.46	.00	-6,450.46 186.0%*
1060030	5506	1071 LOADER MAINT 6	10,000	0	10,000	4,010.13	.00	5,989.87 40.1%
1060030	5506	1072 TROMMEL	5,000	0	5,000	7,867.33	.00	-2,867.33 157.3%*
1060030	5602	1041 POWER-COMPOST	131,000	0	131,000	126,540.26	.00	4,459.74 96.6%
1060030	5603	1007 NATURAL GAS -	120,000	0	120,000	132,059.82	.00	-12,059.82 110.0%*
TOTAL WWTP - COMPOST		917,004	0	917,004	749,551.01	.00	167,452.99	81.7%
1060032 TREATMENT PLANT OPERATION								
1060032	5001	SUPERVISOR LABOR	37,815	0	37,815	25,863.20	.00	11,951.80 68.4%
1060032	5002	REGULAR LABOR	623,915	0	623,915	435,888.90	.00	188,026.10 69.9%
1060032	5003	OVERTIME LABOR	60,000	0	60,000	48,804.65	.00	11,195.35 81.3%
1060032	5004	SHIFT LABOR	12,000	0	12,000	9,142.87	.00	2,857.13 76.2%
1060032	5006	VACATION	0	0	0	25,723.69	.00	-25,723.69 100.0%*
1060032	5007	SICK	0	0	0	19,384.41	.00	-19,384.41 100.0%*

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1060032 5008 PERSONAL DAY	0	0	0	6,777.87	.00	-6,777.87	100.0%*
1060032 5009 JURY/CIVIL/VOLUNTE	0	0	0	480.49	.00	-480.49	100.0%*
1060032 5010 HOLIDAY	0	0	0	16,720.69	.00	-16,720.69	100.0%*
1060032 5101 FICA EXPENSE	41,027	0	41,027	36,767.43	.00	4,259.57	89.6%
1060032 5102 MEDICARE EXPENSE	9,595	0	9,595	8,598.81	.00	996.19	89.6%
1060032 5202 GROUP HEALTH INSUR	174,552	0	174,552	169,978.58	.00	4,573.42	97.4%
1060032 5203 PENSION (401) UAJA	34,977	0	34,977	23,890.88	.00	11,086.12	68.3%
1060032 5304 OPERATION SUPPLIES	500	0	500	313.13	.00	186.87	62.6%
1060032 5304 1034 ALUM	200,000	0	200,000	169,614.91	.00	30,385.09	84.8%
1060032 5304 1070 CARBON SUPPLEM	225,000	0	225,000	210,196.98	.00	14,803.02	93.4%
1060032 5405 1053 STREAM MONITOR	14,250	0	14,250	14,250.00	.00	.00	100.0%
1060032 5409 LICENSE & FEES	9,000	0	9,000	6,102.04	.00	2,897.96	67.8%
1060032 5410 ANALYSIS	10,000	0	10,000	25,473.66	.00	-15,473.66	254.7%*
1060032 5499 MISCELLANEOUS OUTS	40,000	0	40,000	35,558.25	.00	4,441.75	88.9%
1060032 5602 1043 POWER-PLANT	404,000	0	404,000	444,179.32	.00	-40,179.32	109.9%*
TOTAL TREATMENT PLANT OPERATION	1,896,631	0	1,896,631	1,733,710.76	.00	162,920.24	91.4%

1070021 COLLECTION-MAINTENANCE

1070021 5001 SUPERVISOR LABOR	133,058	0	133,058	96,031.53	.00	37,026.47	72.2%
1070021 5002 REGULAR LABOR	1,008,605	0	1,008,605	251,757.41	.00	756,847.59	25.0%
1070021 5002 6172 REGULAR LABOR	0	0	0	65,957.89	.00	-65,957.89	100.0%*
1070021 5002 6262 WATERLINE PH 2	0	0	0	79,710.01	.00	-79,710.01	100.0%*
1070021 5002 6271 REGULAR LABOR	0	0	0	134,055.96	.00	-134,055.96	100.0%*
1070021 5002 6272 REGULAR LABOR	0	0	0	13,022.39	.00	-13,022.39	100.0%*
1070021 5002 6285 REGULAR LABOR	0	0	0	3,089.89	.00	-3,089.89	100.0%*
1070021 5002 6300 REGULAR LABOR	0	0	0	76,287.16	.00	-76,287.16	100.0%*
1070021 5002 6315 REGULAR LABOR	0	0	0	24,127.50	.00	-24,127.50	100.0%*
1070021 5002 B5001 REGULAR LABOR	0	0	0	64.05	.00	-64.05	100.0%*
1070021 5002 B5002 REGULAR LABOR	0	0	0	6,704.82	.00	-6,704.82	100.0%*
1070021 5002 B5003 REGULAR LABOR	0	0	0	6,725.79	.00	-6,725.79	100.0%*
1070021 5002 B5004 REGULAR LABOR	0	0	0	6,132.00	.00	-6,132.00	100.0%*
1070021 5002 B5472 REGULAR LABOR	0	0	0	1,001.39	.00	-1,001.39	100.0%*
1070021 5003 OVERTIME LABOR	15,000	0	15,000	17,477.48	.00	-2,477.48	116.5%*
1070021 5006 VACATION	0	0	0	45,277.53	.00	-45,277.53	100.0%*
1070021 5007 SICK	0	0	0	34,331.99	.00	-34,331.99	100.0%*
1070021 5008 PERSONAL	0	0	0	8,120.37	.00	-8,120.37	100.0%*
1070021 5009 JURY/CIVIL/VOLUNTE	0	0	0	1,339.48	.00	-1,339.48	100.0%*
1070021 5010 HOLIDAY	0	0	0	33,778.25	.00	-33,778.25	100.0%*
1070021 5101 FICA EXPENSE	70,803	0	70,803	52,459.51	.00	18,343.49	74.1%
1070021 5101 6172 FICA EXPENSE	0	0	0	4,089.37	.00	-4,089.37	100.0%*

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FOR 2021 10

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1070021 5101 B5001 FICA-O & M MA	0	0	0	3.97	.00	-3.97	100.0%*
1070021 5102 MEDICARE EXPENSE	16,554	0	16,554	12,268.65	.00	4,285.35	74.1%
1070021 5102 6172 MEDICARE EXPEN	0	0	0	956.63	.00	-956.63	100.0%*
1070021 5102 B5001 MEDICARE-O &	0	0	0	.93	.00	-.93	100.0%*
1070021 5202 GROUP HEALTH INSUR	332,465	0	332,465	273,121.82	.00	59,343.18	82.2%
1070021 5202 6172 GROUP HEALTH I	0	0	0	24,812.59	.00	-24,812.59	100.0%*
1070021 5202 B5001 GRP HEALTH IN	0	0	0	20.92	.00	-20.92	100.0%*
1070021 5203 PENSION (401) UAJA	63,736	0	63,736	43,278.21	.00	20,457.79	67.9%
1070021 5203 6172 PENSION (401)	0	0	0	2,882.57	.00	-2,882.57	100.0%*
1070021 5203 B5001 PENSION-O&M M	0	0	0	3.20	.00	-3.20	100.0%*
1070021 5305 SMALL EQUIPMT/TOOL	13,000	0	13,000	13,129.15	.00	-129.15	101.0%*
1070021 5504 SEWER LINE MAINTEN	90,000	0	90,000	94,587.81	.00	-4,587.81	105.1%*
1070021 ER01 RENTAL OF EQUIPMEN	1,000	0	1,000	.00	.00	1,000.00	.0%
1070021 ER14 RENTAL LOWBOY	3,500	0	3,500	5,027.80	.00	-1,527.80	143.7%*
1070021 PV01 TRENCH PAVING-CONT	10,000	0	10,000	.00	.00	10,000.00	.0%
TOTAL COLLECTION-MAINTENANCE	1,757,721	0	1,757,721	1,431,636.02	.00	326,084.98	81.4%
1070022 CONSTRUCT EQUIP MAINTENANCE							
1070022 5501 SMALL EQUIPMENT MA	5,000	0	5,000	4,558.73	.00	441.27	91.2%
1070022 5506 LG. CONSTRC. EQUIP	60,000	0	60,000	59,105.84	.00	894.16	98.5%
TOTAL CONSTRUCT EQUIP MAINTENANCE	65,000	0	65,000	63,664.57	.00	1,335.43	97.9%
1070034 COLLECTION-INSPECTION							
1070034 5001 SUPERVISOR LABOR	133,058	0	133,058	96,031.84	.00	37,026.16	72.2%
1070034 5002 REGULAR LABOR	208,723	0	208,723	131,158.09	.00	77,564.91	62.8%
1070034 5002 B5026 GRAYSWOODS	0	0	0	2,728.90	.00	-2,728.90	100.0%*
1070034 5002 B5342 REGULAR LABOR	0	0	0	706.43	.00	-706.43	100.0%*
1070034 5002 B5387 CANTERBURY CR	0	0	0	596.29	.00	-596.29	100.0%*
1070034 5002 B5466 HARNER FARM S	0	0	0	2,600.35	.00	-2,600.35	100.0%*
1070034 5002 B5468 REGULAR LABOR	0	0	0	2,398.83	.00	-2,398.83	100.0%*
1070034 5002 B5474 REGULAR LABOR	0	0	0	102.61	.00	-102.61	100.0%*
1070034 5003 OVERTIME LABOR	11,000	0	11,000	7,632.66	.00	3,367.34	69.4%
1070034 5006 VACATION	0	0	0	9,013.07	.00	-9,013.07	100.0%*
1070034 5007 SICK	0	0	0	12,835.01	.00	-12,835.01	100.0%*
1070034 5008 PERSONAL	0	0	0	2,291.97	.00	-2,291.97	100.0%*
1070034 5009 JURY/CIVIL/VOLUNTE	0	0	0	883.76	.00	-883.76	100.0%*

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FOR 2021 10

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1070034 5010 HOLIDAY	0	0	0	6,701.17	.00	-6,701.17	100.0%*
1070034 5101 FICA EXPENSE	21,190	0	21,190	17,268.13	.00	3,921.87	81.5%
1070034 5102 MEDICARE EXPENSE	4,956	0	4,956	4,038.65	.00	917.35	81.5%
1070034 5202 GROUP HEALTH INSUR	45,470	0	45,470	40,955.02	.00	4,514.98	90.1%
1070034 5203 PENSION (401) UAJA	23,742	0	23,742	18,359.58	.00	5,382.42	77.3%
1070034 5304 OPERATIONAL SUPPLI	1,600	0	1,600	2,335.67	.00	-735.67	146.0%*
1070034 5305 SMALL EQUIPMT/TOOL	500	0	500	30.20	.00	469.80	6.0%
1070034 5507 SEWER LINE INSPEC/	0	0	0	3,381.08	.00	-3,381.08	100.0%*
1070034 5507 B5026 GRAYSWOODS	0	0	0	2,631.50	.00	-2,631.50	100.0%*
1070034 5507 B5342 HAWK RIDGE	0	0	0	910.00	.00	-910.00	100.0%*
1070034 5507 B5353 INSPECTION EN	0	0	0	905.55	.00	-905.55	100.0%*
1070034 5507 B5387 CANTERBURY CR	0	0	0	1,053.06	.00	-1,053.06	100.0%*
1070034 5507 B5457 GRACE HILLS C	0	0	0	561.00	.00	-561.00	100.0%*
1070034 5507 B5466 INSPECTION EN	0	0	0	3,112.50	.00	-3,112.50	100.0%*
1070034 5507 B5468 INSPECTION EN	0	0	0	783.06	.00	-783.06	100.0%*
1070034 5507 B5473 INSPECTION EN	0	0	0	1,764.78	.00	-1,764.78	100.0%*
1070034 5507 B5474 INSPECTION EN	0	0	0	973.06	.00	-973.06	100.0%*
TOTAL COLLECTION-INSPECTION	450,239	0	450,239	374,743.82	.00	75,495.18	83.2%
1070036 COLLECTION-PUMP STATION							
1070036 5305 SMALL EQUIPMT/TOOL	1,000	0	1,000	243.31	.00	756.69	24.3%
1070036 5501 EQUIPMENT MAINTENA	22,000	0	22,000	1,256.11	.00	20,743.89	5.7%
1070036 5505 O & M PUMP STATION	70,000	0	70,000	41,268.19	.00	28,731.81	59.0%
1070036 5505 B5002 O & M CLASTER	200	0	200	137.84	.00	62.16	68.9%
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	137.84	.00	62.16	68.9%
1070036 5602 POWER	62,000	0	62,000	43,310.62	.00	18,689.38	69.9%
1070036 5602 B5002 POWER-CLASTER	500	0	500	86.41	.00	413.59	17.3%
1070036 5602 B5004 POWER-SOUTH M	500	0	500	309.62	.00	190.38	61.9%
1070036 5603 PUMP STATION PROPA	1,000	0	1,000	918.43	.00	81.57	91.8%
TOTAL COLLECTION-PUMP STATION	157,600	0	157,600	87,668.37	.00	69,931.63	55.6%
TOTAL OPERATING FUND	20,087,346	0	20,087,346	2,664,158.15	.00	17,423,188.22	13.3%
TOTAL REVENUES	-16,652,265	0	-16,652,265	-11,957,573.23	.00	-4,694,691.45	
TOTAL EXPENSES	36,739,611	0	36,739,611	14,621,731.38	.00	22,117,879.67	



To: UAJA Board
 From: Jason Brown
 Re: Financial Report - End of October 2021

Cash Accounts

General Checking	\$132,430.20
Payroll Checking	\$6,140.31
PLIGIT Checking	\$1,521.34
Petty Cash	\$87.12

Revenue Fund Accounts

Revenue Sweep	\$310,668.74
Revenue Trustee	\$1,899,496.31

Savings Accounts

PLIGIT Plus	\$8,487.09
93 BRIF	\$2,568,871.54
Emmaus BRIF	\$217,099.92

TOTAL LIQUID ASSETS

\$5,144,802.57

Dedicated Accounts

2015 DSF	\$3,978.91
2016 DSF	\$0.00
2017 DSF	\$194,724.06
2017A DSF	\$570,806.06
2017 B & C DSF	\$3,197,544.30
2018 DSF	\$208,513.10
2020 DSF	\$159,001.80
2020A DSF	\$95,451.10
2021 DSF	\$132,750.65
2021A DSF	\$1,015.01
2020A Construction Fund	\$8,144,715.33
2021 Construction Fund	\$8,818,875.70
2020A Capitalized Interest Fund	\$258,789.01
2021 Capitalized Interest Fund	\$320,088.63

TOTAL DEDICATED ASSETS

\$22,106,253.66

Restricted Accounts

93 Oper. Expense Reserve	\$307,943.16
93 Debt Service Reserve	\$6,672,297.98

\$6,980,241.14

Receivables Outstanding (3rd quarter 2021)

UAJA Sewer	\$1,989,812.66
UAJA Surcharge	\$33,072.00
Borough Sewer	\$908,050.71
PGM Sewer	\$69,004.47
PSU Sewer	\$30,402.47

TOTAL OUTSTANDING

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COMPOST & SEPTAGE OPERATIONS REPORT

October 2021

COMPOST PRODUCTION AND DISTRIBUTION

	<u>May 2021</u>	<u>June 2021</u>	<u>July 2021</u>	<u>Aug. 2021</u>	<u>Sep. 2021</u>	<u>Oct. 2021</u>
Production	847 cu/yds.	878 cu/yds.	913 cu/yds.	890 cu/yds.	990 cu/yds.	854 cu/yds.
YTD. Production	3,981cu/yds.	4,859 cu/yds.	5,772 cu/yds.	6,662 cu/yds.	7,652 cu/yds.	8,506 cu/yds.
Distribution	2,132cu/yds.	1,442cu/yds.	731cu/yds.	969cu/yds.	911cu/yds.	803cu/yds.
YTD. Distribution	4,204cu/yds.	5,646 cu/yds.	6,377 cu/yds.	7,346 cu/yds.	8,257 cu/yds.	9,060cu/yds.
Immediate Sale	1,462cu/yds.	867cu/yds.	1,014cu/yds.	958cu/yds.	937cu/yds.	1,124 cu/yds.
Currently in Storage	2,309 cu/yds.	1,745 cu/yds.	1,927 cu/yds.	1,848 cu/yds.	1,927 cu/yds.	1,978 cu/yds.

SEPTAGE OPERATIONS

	<u>May 2021</u>	<u>June 2021</u>	<u>July 2021</u>	<u>Aug. 2021</u>	<u>Sep. 2021</u>	<u>Oct. 2021</u>
Res./Comm.	69,800 gals.	68,700 gals.	40,000 gals.	68,150 gals.	89,675 gals.	62,100 gals.
CH/Potter	0.00 lbs/solids	1,517.88 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids
Port Matilda	1,434.48 lbs/solids	1,200.96 lbs/solids	1,951.56 lbs/solids	1,234.32 lbs/solids	1,084.20 lbs/solids	1,100.88 lbs/solids
Huston Twp.	683.88 lbs/solids	500.40 lbs/solids	467.04 lbs/solids	650.52 lbs/solids	583.80 lbs/solids	517.08 lbs/solids
Total Flow	95,800 gals.	105,500 gals.	66,000 gals.	90,150 gals.	111,675 gals.	84,100 gals.



SUPERINTENDENT'S REPORT

November 10, 2021

Arthur G. Brant

PLANT OPERATION

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for October was 3.56mgd with the average for the month being 4.32mgd. The average monthly **influent** flow was 5.64mgd. Treatment units online are as follows: primary clarifiers #1, #5 and #6; aeration basins #2 and #3; secondary; clarifiers' #1, #3, and #4; all eight tertiary filters are online.

Below is the chart for Reuse Distribution and Temperature Data:

	Oct-21	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	30,000	276,000		
Centre Hills	3,465,000	29,358,000	Oct-21	Oct-21
Cintas	515,000	4,888,000	68.6	67.9
Red Line	326,000	4,635,000		
Uaja Wetland	6,180,000	48,170,000		
GDK Vault	38,071,000	303,955,000		
Elks	1,710,000	6,911,000		
Kissingers	1,519,000	18,883,000		
Stewarts/M.C.	4,200	43,310		
TOTAL	51,820,200	417,119,310		

PLANT MAINTENANCE

- The facility went through a few power outages to energize the new high voltage switchgears on-line. During this time two coolant hoses were repaired on the plant generator.
- One of two Plant Drain Station pumps was replaced.
- Due to an electrical malfunction, the ozone destruct unit was flooded and shorted the motor. The motor was rewound and reinstalled.
- Replaced the motor bearings in RO Feed Pump #3.
- Rebuilt the under-soaker pilot valves at the wetlands.
- Replaced the remote meter reader at Cintas.
- The Booster Station pumps were turned off for the season.
- Replaced the bearings on the short belt main motor at Dewatering.
- Cleaned the belly pans and serviced some of the rollers on the long belt.
- Roy Brooks Welding repaired bucket on the skid steer at Compost.
- RAM was in to re-install pump #1 at the Main Station. The pump failed during warranty period.
- Replaced belts and pulleys in the Compost MUA units. PBCI Allen was in to inspect and adjusted the units.



COLLECTION SYSTEM SUPERINTENDENT'S REPORT

Activities for the month of October 2021
Mark Harter, Superintendent

MAINLINE MAINTENANCE:

Scott Road force main project – Installed 352 ft of 10” force main. Completed (2) road crossings.
Whitehall Road low pressure system – 369 ft of force main. Completed (1) road crossing.
Main Line Televising – 187 ft televised - 3 manholes inspected.
Lateral repair at 731 Brookside Drive.
Casting repair (1).

LIFT STATION MAINTENANCE:

Cleaned (11) lift station wet wells.
Routine Maintenance.

NEXT MONTH PROJECTS:

Continue Whitehall Rd. project.
Continue Scott Road upgrade project.
Mainline flushing, televising, and grouting.

INSPECTION:

Final As-Built Approved:

- a. Hawk Ridge.
- b. 900 West College Ave. Student Housing.

Mainline Construction:

- a. Aspen Heights Squirrel Drive – Started construction.
- b. Grays Pointe ph. 6 Sec D.2 – Started construction.

New Connections:

a.	Single-Family Residential	8	c.	Commercial	0
b.	Multi-Family Residential	0	d.	Non-Residential	0

TOTAL 8

PA One-Calls Responded to 10/1-31/21: 291

ENGINEER'S REPORT

University Area Joint Authority

November 17, 2021

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

Odor Control System Upgrades (R001178.0597)

- An inventory of air emission sources for the entire facility has been compiled as required by DEP. Estimated emissions are being calculated. Manufacturer's emissions data has not been obtainable. Therefore, estimates are being made based on EPA literature and tiered emission standards.

Proposed Air Quality Emissions Inventory and Operation Permit Schedule

Milestone	Date
Submit Emissions Inventory to the PA DEP	November 2021
PA DEP Determination of Application Requirements	December 2021
Request Plan Approval Time Extension	January 2021
Complete and Submit Permit Application	February 2021
PA DEP Issues Permit (Includes 30 Day Public Comment Period)	June 2021

Based on DEP's input and timeline for review.

Shiloh Road Pump Station Upgrades (R001178.0632)

- Record Drawings were prepared and submitted to UAJA staff for review and comment.

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

- Record Drawings were prepared and submitted to UAJA staff for review and comment.

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

- The special study was submitted to the Centre Region Planning Agency and a public comment period was initiated. The December 2021 meeting dates are:
 - December 2nd: CRPC (7 PM) and PSE (12:15 PM)
 - December 15th: Executive Committee (12:15 PM)
 - December 21st: General Forum (7 PM)
- The Spadefoot Toad Habitat Assessment Report was submitted to the Pennsylvania Fish and Boat Commission (PFBC). The PFBC has concluded that the site will need to be investigate further given the proximity to a nearby extant population of the species of concern. A field visit has been scheduled for November 17th at 9 AM.

Proposed Meeks Lane Pump Station Project Implementation Schedule

Milestone	Date
Submit Special Study to Municipalities/Planning Commissions (60-day Review)	November 2021
Public Comment Period (30 Days)	November 8 th – December 8 th
Presentation of Study at Municipal Meetings	December 2021
Start Design	December 2021
Receive Municipal/Planning Comments, Conclude Public Comment Period	February 2022
Adoption by Municipalities and CRCOG (General Forum Presentation)	March 2022
Submission of Special Study to PA DEP (120-day Review)	March 2022
DEP Approval of Special Study/WQM/NPDES	July 2022
Complete Design/BIDDING	July 2022
Begin Construction	July 2022
Project Completion (12 Months of Construction)**	July 2023

*Assumes DEP approval of Special Study and WQM Permit within 120 Days. Concurrent or sequential submission of Study and Permit Application.

**Minimum construction period required for UAJA Construction Crew

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 by the CRCOG.

Scott Road Pump Station and Bristol Interceptor (R001178.0682)

- Progress Meeting No. 1 was held on November 3, 2021. Meeting minutes are being distributed.
- The review of submittals is ongoing.
- At the progress meeting, both Contractors stated concerns regarding delivery times for materials and equipment. The General Contractor has mobilized to commence work on construction of the force main.
- HRG is providing construction stake-out of the force main as requested by the UAJA Construction Crew.

Scott Road Pump Station Project Milestone Dates

Milestone	Date
Notice-to-Proceed	September 27, 2021
Substantial Completion	January 25, 2022
Final Completion	February 24, 2022

Fiber Optic Conduit – (R001178.0687)

- Fiber optic conduit drawings were prepared for the second alignment (Trout Road to Hartman Farm Lane to Short Lane, near SR 0026) in June 2021. These drawings were reviewed by the Authority's staff. HRG can proceed with the preparation of the permit applications when authorized by the UAJA.
- Record Drawings for the first alignment (Shiloh Road) were prepared and submitted to the UAJA staff for review.

Entry Road Storm Water Improvements – (R001178.0688)

- The project will require the relocation of the utility poles. This cannot be coordinated until an easement is acquired. The Authority's solicitor is working with the property owner to acquire the easement.

Entry Road Project Implementation Schedule

Milestone	Date
Acquire Right-of-Way/Permission to Relocation Utility Poles	December 2021
Utility Pole Relocation	April 2021
Bidding and Project Construction	TBD*

*Sequence bidding and project construction with other site construction activities to minimize interference and damage.

Whitehall Road Low Pressure Sanitary Sewer – (R001178.0692)

- UAJA's crews are constructing the low-pressure main line.

Princeton Drive Sanitary Sewer Replacement – (R001178.0699)

- Updated design information was provided by Ferguson Township for the proposed rock structures that will be placed on top of the existing alignment. If a new sewer line is installed along the existing alignment at minimum slope, there will be a minimum of two feet of clearance between the top of the pipe and the bottom of the rock structure.
- Alternative alignments (placing the sewer outside of the swale) were considered; however, Ferguson Township was concerned about impacts to trees.

State College Borough Rate Study and Tapping Fee Update – (R001178.0703)

- A draft rate study was submitted to the UAJA.
- The draft Sewer Tapping Fee Study was submitted on October 26th and will be presented at the meeting.

Developer Plan Reviews:

- The Developer's as-built drawings for the sanitary system for the Hawk Ridge development were recommended to Staff; October 26, 2021 (1178.0706).
- The Developer's as-built drawings for the sanitary system for the West College Student Housing development were recommended to Staff; October 29, 2021 (1178.0707).

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 2021**ENR/AWT Upgrade Project (094612009)

- After negotiations, the Authority and HRI, Inc. have agreed to accept the Primary Clarifier Troughs as Defective Work and a credit of \$83,500.94 to reimburse the Authority for accepting Defective Work that did not comply with the requirements of the Contract Documents. Correspondence related to this modification is attached to the report. As such, RETTEW has prepared Change Order No. 06-Final to credit the Authority and provide additional days to HRI to complete the closeout of the Project. RETTEW recommends execution of Change Order No. 06 in the deductive amount of \$83,500.94 and addition of 819 days to the Final Completion Deadline. We also recommend processing of Payment Application No. 17 (Final) in the amount of \$0.00 to complete the closeout of the ENR/AWT Upgrade Project.

Aeration Line Improvements (094612035)

- Both contractors, G.M. McCrossin (2020-08) and HRI (2020-09), have achieved substantial completion and the new aeration piping system is fully operational. Punchlist items have been completed by HRI for Contract 2020-09 and partially complete for McCrossin for Contract 2020-08. We anticipate a final application for payment from McCrossin for release of retainage to be presented at the Board's December meeting.

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
2020-08			\$539,073.95	\$539,073.95	100.00%	\$26,953.70
2020-09			\$108,302.06	\$108,302.06	100.00%	\$0.00
		\$0.00	\$647,376.01	\$647,376.01	100.00%	\$26,953.70

WWTP NPDES Permit – Phosphorus Study (094612027)

- Continuous in-stream monitoring of Spring Creek is wrapping up for the 2021 season and will resume in early 2022. This monitoring is being conducted to determine the level of any impairment during the growing period, prior to undertaking an intensive study during the critical high-temp, low-flow period. We plan to provide an update to the Board at an upcoming meeting to summarize data collected thus far and initial findings.

Ozone Disinfection for Effluent (094612023)

- Bids were received for the three contracts on November 10th. A full tabulation of the bid results is attached to this report and a total of twelve bids were received for the various contracts. RETTEW's

estimate for the project was \$5,500,000 and the bids received are approximately 9% higher than the estimate. We have discussed this with the various parties and note the following:

- Pricing on the Ozone Equipment (approximately 40% of the General Construction Price) had an increase of approximately \$100k since our last quotation received just before bidding. Combined with Contractor markup, this was a significant portion of the General Construction price increase.
- Contractors indicated that they are carrying increased inflation rates for materials over the life of the construction project (12 months duration) as overall pricing is volatile.
- The Mechanical Construction had significant inflationary costs built in as their work would not actually begin until mid-2022 once the building is erected.
- While disappointing to see a price increase, the overall construction market is volatile and pricing pressures are intense. Given that the primary goals of the Ozone Project are to reduce operating costs, increase disinfection performance, and replace obsolete equipment, RETTEW verified that the Authority would still have significant operational costs savings payback at the slight increase in capital costs. Net Operational Cost savings are projected at \$3.8mm (assuming a 1.5% rate of inflation on electricity rates) and avoided capital costs are in excess of \$3.5mm, resulting in total savings to the Authority of \$7.3mm over the next twenty years.
- Based on our review of the bids received and economics, we recommend the Authority issue Notices of Intent to Award as follows:
 - Contract No. 2021-05: General Construction PSI Pumping Solutions \$5,448,000.00
 - Contract No. 2021-06: Electrical Construction PSI Pumping Solutions \$350,000.00
 - Contract No. 2021-07: Mechanical Construction McClure Company \$223,000.00

Anaerobic Digestion Project (094612026)

- The Act 537 Special Study for Biosolids has been approved by the PA DEP and the Water Quality Management Part II Permit is being resubmitted.
- RETTEW is underway with final design of the proposed improvements to biosolids handling and treatment and anticipates a bid release in February 2022.

High Voltage Switchgear Replacement (094612045)

- Thoroughbred has submitted Application for Payment No. 06 and we are recommending payment in the amount of \$117,301.84. The remaining punchlist items should be complete prior to the end of the year.

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
2020-11	6	\$117,301.84	\$1,121,436.21	\$1,119,986.21	99.87%	\$23,764.00
		\$117,301.84	\$1,121,436.21	\$1,119,986.21	99.87%	\$23,764.00

Modifications to GD Kissinger Meadow Stream Augmentation

- The Authority's pending NPDES permit for the discharge of beneficial reuse water to Slab Cabin Run requires a series of modifications in control and monitoring. The changes will require modulation of 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.

November 9, 2021

Mr. Curt Reese, Project Manager
HRI, Inc.
1750 West College Avenue
State College, PA 16801

RE: University Area Joint Authority
ENR/AWT Systems Upgrade & Expansion Project
Contract No. UAJA 2017-06 – General Construction
Primary Clarifier Troughs
RETTEW Project No.: 094612009

Dear Mr. Reese:

As a follow up to the various conversations we have had regarding the Primary Clarifier Troughs, HRI's correspondence of August 16, 2021, and RETTEW's correspondence of April 13, 2021, the University Area Joint Authority has chosen to accept the work per the conditions of General Conditions 13.08 (Acceptance of Defective Work). The Primary Clarifier Troughs have been modified by HRI per the August correspondence, however, the remain unacceptable to the Authority as they do not comply with the requirements of Section 066100.

RETTEW has recommended to the Authority to accept the Defective Work under General Conditions 13.08 with a contract price deduct of \$83,500.94. This recommendation is based upon the following:

1. RETTEW solicited replacement primary clarifier trough pricing from alternative vendors to have the Authority remedy the defective work under General Conditions 13.09. However, the pricing received for replacement troughs to meet the original specifications is in excess of \$200,000. This is in part due to the significantly elevated price of thermoplastics and resins from inflationary pressures in 2021. There has been an over 37% increase in the resin cost for the primary clarifier troughs since the summer of 2020.
2. HRI has worked diligently with their vendor to try and resolve the situation. Unfortunately, this vendor has been non-responsive or dismissive of the Authority's claims regarding the quality of the primary clarifier troughs and meeting the specifications and installation requirements of the project. The vendor has been unwilling outside of litigation to resolve the issue.
3. Ultimately, HRI has attempted multiple repairs to the primary clarifier troughs, but until the defective troughs are replaced, it is unlikely that the installation will meet the project requirements.

As the Authority has sufficient functionality with the current installation to delay this replacement for approximately a year, RETTEW's recommendation is to deduct from the Contract Price a figure representative of the value of the primary clarifier troughs material, along with the Authority and RETTEW's miscellaneous time and cost related to the resolution of this item. HRI performed very well on the AWT/ENR Project and RETTEW recognizes that this issue stems from the supply of a defective material for the project. While it is clear that the Authority will likely have a small financial impact by this



acceptance of Defective Work beyond the retained amount, this provides an amicable solution and closeout of the project outside of litigation.

In accordance with Paragraph 13.08 of the General Conditions, RETTEW will prepare a deductive Change Order (#6) and request closeout documents from HRI.

The AWT/ENR Project has been an overall success and a result of the collaborative effort of HRI, the Authority and Staff. We appreciate the efforts expended, diligence and look forward to future projects between the entities.

Should you have any questions regarding this issue, please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Wert', with a long horizontal stroke extending to the right.

Jason D. Wert, PE, BCEE
National Market Leader

cc: Cory Miller, University Area Joint Authority
Jason Brown, University Area Joint Authority

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August 16, 2021

RETTEW Associates, Inc.
330 Innovation Blvd.
Suite 104
State College, PA 16803

Attention: Jason Wert, PE, BCEE

Re: ENR/AWT Systems Upgrade & Expansion
Contract: UAJA 2017-06 General Construction
RETTEW Project No.: 094612009
RE: Primary Clarifier Troughs

Dear Mr. Wert:

In response to your letter dated April 13, 2021 please review and respond to the following reply from the manufacturer dated July 26, 2021. There are several factors for discussion, namely the design tolerance for shipping and installation. These were previously addressed before choosing to implement orifice holes in the troughs. After the orifice hole installation, it was then found that the authority could not maintain the water level high enough for proper operation of the scum collection pipes.

The primary clarifiers have been utilized by the authority since their installation. HRI has noticed the maintenance issues of all six trough trains, four new installation by HRI and two existing troughs which have a different design. All six trough trains, once they gather any large type of debris on its edge, will then block wastewater from entering the trough. This is common for all these troughs and all of the troughs require maintenance.

Upon last visit, two of the four newer style troughs were in use, as well as the two older style troughs. The two older style troughs, and one of the newer style troughs seemed very clean with little debris blocking the edge or any orifice holes. The eastern most trough had quite a bit of debris and appeared to have not seen any maintenance for quite a while.

To have the scum collection equipment work properly, a certain amount of the orifice holes would need plugged to raise the water level in the clarifiers. This could be done via trial and error, or all the holes could be plugged and the protruding lip/edge could be cut off to mimic the style of the older troughs (which have no lip). Then the top of each trough can be measured and surveyed for any high spots and ground down so the full length of the trough would be on one plain. Fiberglass patching resin would then be placed on any cut area for protection.

As you can see from the attached pictures, there were very few areas before the orifice holes were added that would be in question of the 1/8" tolerance. It is possible that the protruding edge of the newer style clarifier troughs would magnify any imperfections to keep the troughs on an equal plain.

As previously stated, the troughs have been utilized since their installation, so HRI and Mid-West Fabrication disagree for any rejection of the current installation.

Any questions, please give me a call at 814.574.7347.

Sincerely,
HRI, Inc.



Curtis A. Reese
Sr. Project Manager

Enclosures: Rettew letter 4.13.21
MWF letter dated 7.26.21
Trough pictures thru various stages
CC: None

April 13, 2021

Mr. Curt Reese, Project Manager
HRI, Inc.
1750 West College Avenue
State College, PA 16801

RE: University Area Joint Authority
ENR/AWT Systems Upgrade & Expansion Project
Contract No. UAJA 2017-06 – General Construction
Primary Clarifier Troughs
RETTEW Project No.: 094612009

Dear Mr. Reese:

As you are aware, HRI, Inc. was permitted to modify the Primary Clarifier troughs per Midwestern Fabricators' proposed solution dated March 18, 2020. The modifications involved installing 16 orifices along the length of each trough. The modifications were permitted, subject to several conditions outlined in our April 26, 2020 correspondence to HRI, including the meeting of the specified tolerances and the requirement that the orifices do not become plugged.

As you are aware, the Authority was initially disappointed in the modifications and felt they would lead to significant additional effort. Additionally, the troughs still were out of tolerance per the specifications, principally due to distortions in the materials from the previous installation by HRI. However, in an effort to evaluate the product modifications, the Authority has operated the troughs through a variety of weather conditions and flow regimes.

The troughs are able to hydraulically convey the wastewater in the Primary Clarifiers, however, several issues continue in the installation:

1. The troughs do not meet the level and parallel standard in Section 06600 requiring the top edges of the trough must be level and parallel with a tolerance of $\pm 1/8"$ when the trough is not loaded. This induces unequal flow across the length of the trough and likely additional structural stress on the fiberglass, shortening the product life.
2. Some of the troughs remain bowed upward at lower flows, resulting in differing loadings per trough or no flow in some troughs once the orifices plug. Section 06600, Paragraph 3.2 B, requires all troughs must be installed accurately to within $\pm 1/8"$ of the elevation indicated on the drawings. This elevational variance from bowing results in unequal loading between clarifiers and disproportion accumulation of primary solids.
3. The Authority has had to expend additional labor to keep the orifices from plugging. The original design would not have required these efforts.
4. As a result of the lower water level in the Primary Clarifiers caused by the orifices during normal flows, the Authority is no longer able to operate the troughs' rotating scum collection pipes as designed, adding further maintenance problems.



Given these continuing issues with the installation, the ENGINEER has deemed the repair work to the Primary Clarifier troughs to be defective and rejects the installation. CONTRACTOR is directed to begin replacement of the Primary Clarifier troughs per the General Conditions, Paragraph 13.06.A.

CONTRACTOR shall provide a written replacement plan for review by the ENGINEER and OWNER. As a reminder, the replacement work shall meet the performance and installation tolerances specified in Section 066100.

Should you have any questions regarding this issue, please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Wert', with a long horizontal stroke extending to the right.

Jason D. Wert, PE, BCEE
National Market Leader

cc: Cory Miller, University Area Joint Authority
Jason Brown, University Area Joint Authority

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Midwestern Fabricators

July 26, 2021

Attn: Curt Reese ~ UAJA Troughs

The troughs were manufactured within the tolerance of 1/8" and were shipped with sufficient dunnage to prevent racking, twisting or deformation. The troughs were also designed and fabricated in compliance with specification section 066100 and the contract drawing 100-01.

Specification section 066100-2.1-J.5 required that the troughs be NSF 61 certified. Midwestern's NSF 61 certification is based on DION 6631 resin system. The physical properties used in the calculations are based on actual test results for this resin system. The values listed in the specification are not applicable and are miss named material thickness.

The calculations have been reviewed and deflections verified to be within industry requirements, specifically AWWA F101 for FRP troughs. The thermal expansion demonstrates that the stresses due to expansion is well below allowable limits.

Any replacement troughs would be designed, fabricated and installed the same as troughs currently in place and the result would be the same.

Midwestern would be willing to provide a price to supply weir troughs with the appropriate specification changes. Please contact me if you have any questions or if you need any additional information.

Best regards,
Shaun Crossley

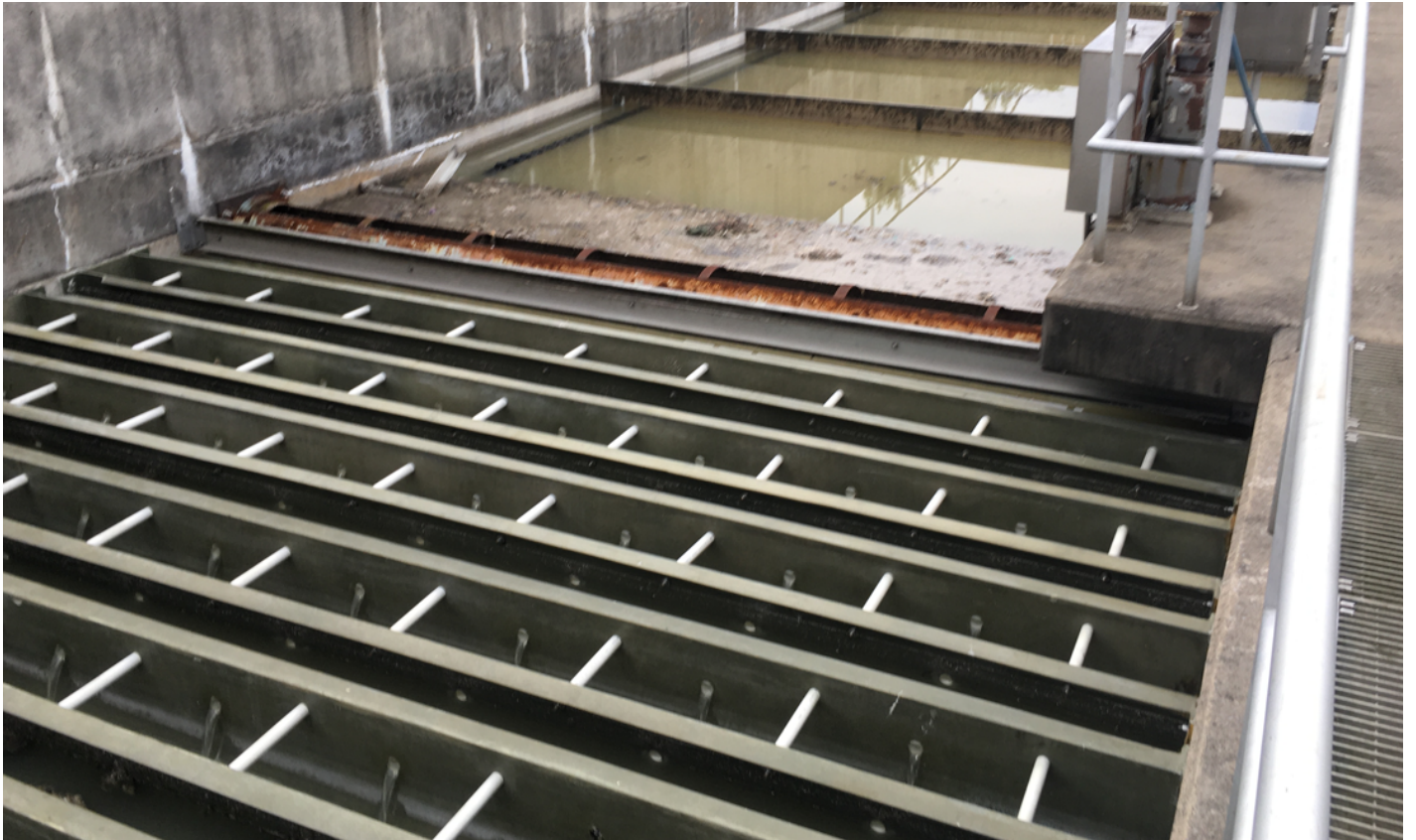
MIDWESTERN FABRICATORS

1235 SOUTH PIONEER ROAD ~ SALT LAKE CITY, UTAH 84104
Phone (801) 708-7254 Fax (801) 708-7255

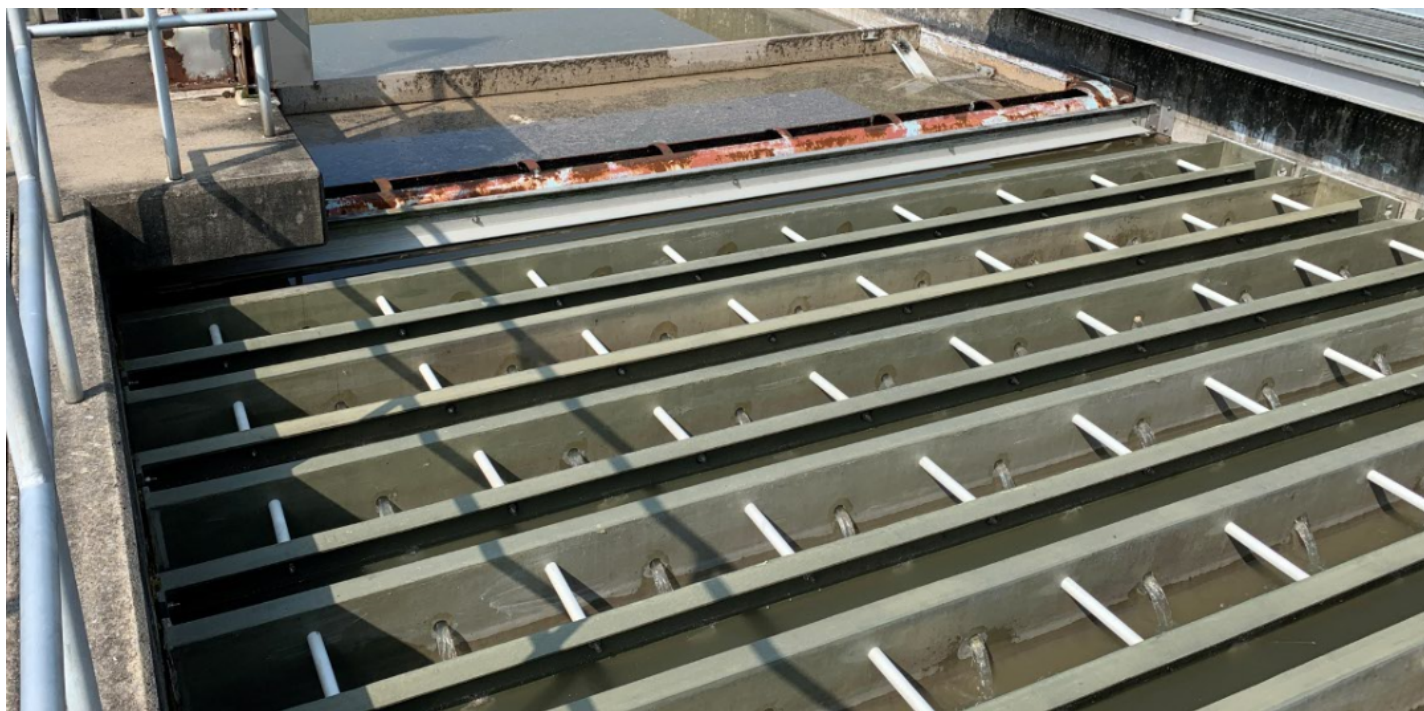
Initial installation and utilization - some debris sitting on top edge of troughs



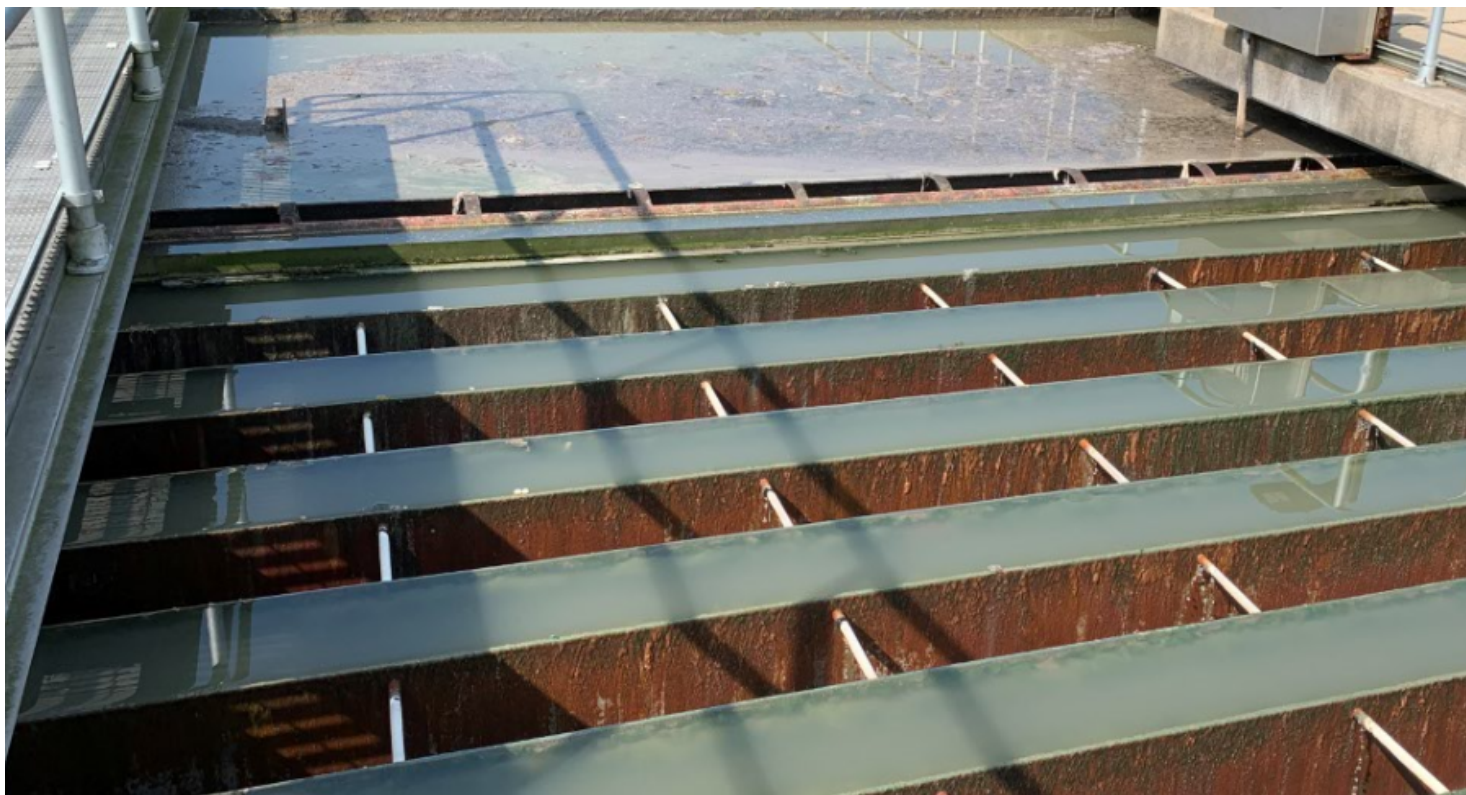
Orifice hole installation - water level too low for scum equipment



Current - eastern train with debris, next train with little debris, older style troughs with little debris



Current - eastern train with debris, next train with little debris, older style troughs with little debris



CERTIFIED BID TABULATION

University Area Joint Authority
 Plant Effluent Ozone Disinfection Project
 Contract 2021-05: General Construction
 Contract 2021-06: Electrical Construction
 Contract 2021-07: Mechanical Construction

Date of Bids: November 10, 2021

Time of Bids: 10:00 AM

Bids received via the PennBid website

COMPANY	Addendum Acknowledgment		BID BOND	NON-COLLUSION AFFIDAVIT	PUBLIC WORKS EMPLOYMENT VERIFICATION FORM	BASIS OF BID SUPPLEMENT	BASE BID
	No. 1	No. 2					
CONTRACT 2021-05 - GENERAL CONSTRUCTION							
PSI Pumping Solutions 400 Main Street, Suite A York Springs, PA 17372	✓	✓	✓	✓	✓	✓	\$5,448,000.00
Lobar, Inc. One Old Mill Road / PO Box 50 Dillsburg, PA 17019	✓	✓	✓	✓	✓	✓	\$5,727,900.00
GM McCrossin, Inc. 2780 Benner Pike Belleville, PA 16823	✓	✓	✓	✓	✓	✓	\$5,803,000.00
HRI, Inc. 1750 West College Avenue State College, PA 16801	✓	✓	✓	✓	✓	✓	\$5,900,000.00
Michael F. Ronca & Sons, Inc. 179 Mikron Road Bethlehem, PA 18020	✓	✓	✓	✓	✓	✓	\$6,121,000.00
CONTRACT 2021-06 - ELECTRICAL CONSTRUCTION							
PSI Pumping Solutions 400 Main Street, Suite A York Springs, PA 17372	✓	✓	✓	✓	✓		\$350,000.00
Bob Biter Electrical Enterprise, Inc. 7776 Admiral Peary Hwy / PO Box 227 Cresson, PA 16630	✓	✓	✓	✓	✓		\$447,700.00
Robert P. Lepley Electrical Contractor 232 Valley Street Lewistown, PA 17044	✓	✓	✓	✓	✓		\$520,000.00
HRI, Inc. 1750 West College Avenue State College, PA 16801	✓	✓	✓	✓	✓		\$521,984.00
Westmoreland Electric Services, LLC 193 Central Road Tarrs, PA 15688	✓	✓	✓	✓	✓		\$597,500.00
CONTRACT 2021-07 - MECHANICAL CONSTRUCTION							
McClure Company 2929 Stewart Drive, Suite 203 State College, PA 16801	✓	✓	✓	✓	✓		\$223,000.00
Myco Mechanical, Inc. 1 N Washington Street Telford, PA 18969	✓	✓	✓	✓	✓		\$288,000.00

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT TABULATION OF BIDS
 RECEIVED November 10, 2021.

Michele Aukerman, PE
 Project Manager

Michele A. Aukerman
 Signature

RETTEW



EXECUTIVE DIRECTOR'S REPORT

November 17, 2021

ACTION ITEMS

3. Public Comment

3.1 Other items not on the agenda

4. Old Business

4.1 Tapping Fee Study

A draft tapping fee study is included in the agenda report. The study was completed by HRG. The purpose of the study is to confirm that the tapping fees charged by UAJA are in compliance with the Municipalities Authorities Act. The report becomes part of the UAJA Rate Resolution once it is accepted. HRG will present the report and answer any questions.

Recommendation: Accept the report.

4.2 State College Borough Rate

At the October meeting, the HRG report concerning the rate that should be charged to State College Borough was discussed. A decision on the rate to be charged was deferred until November, and comments on the report were requested by November 5. No comments have been received. The Borough has included the rate change in their 2022 budget. The UAJA 2022 budget assumes the rate will be charged to the Borough effective January 1, 2022.

The rate is based on an estimate of the number of EDU's in the Borough. No information was provided by the Borough concerning the actual number of EDU's within the Borough, so the calculation may change should the Borough provide a more accurate count.

An alternative to adopting the EDU rate immediately is to adopt an interim volumetric charge which would reflect a 17.5 percent increase over the current volumetric charge of \$5,287 per million gallons. This would give the Borough additional time to accurately determine the number of EDU's within the Borough. The volumetric rate would be \$6,212 per million gallons.

Recommendation: Adopt the rate of \$66 per EDU for State College Borough effective January 1, 2022.

4.3 2022 Budget

The final draft of the 2022 budget is included in the board packet. The budget subcommittee met with staff on November 10, 2021, to review the initial draft budget. Suggestions made by the committee have been incorporated into this final draft. The proposed budget includes additional revenue from State College Borough based on the rate study completed by HRG. The proposed budget does not recommend any change to the EDU rate which remains at \$104 per quarter. Health insurance pricing for 2022 has been finalized and results in a slight decrease from the 2021 premium cost. Staff will present the draft budget and answer questions from the Board.

Recommendation: Approve the 2022 Budget.

4.4 2022 Health Insurance

In prior years, the adoption of the budget was assumed to include the approval of the health insurance contract. The recent changes to the Sunshine Laws are subject to interpretation. To be safe, staff believes it is best to have the Board take a specific action at a meeting to approve the health insurance contract. A comparison of the proposals received is included in the agenda report. Staff recommends the Geisinger All Access HMO 6000 1X Plan. While the Aetna plan premium is lower, the overall risk is higher. In addition, the Geisinger plan includes a rate cap of 12 percent for 2023.

Recommendation: Award the health insurance contract to Geisinger for the Geisinger All Access HMO 6000 1X Plan.

4.5 Easement Condemnation Scott Road Project

The Scott Road project is underway. One or more easements have yet to be negotiated because the property owners have not responded or have not agreed to the proposed compensation. To avoid halting the project, UAJA may need to initiate condemnation. This action authorizes UAJA to condemn property for easements associated with the project. If a settlement can be negotiated prior to construction, the property will not be condemned.

Recommendation: Authorize condemnation of any and all easements associated with the Scott Road Project.

5. New Business

5.1 Ozone Project Bid Awards

The bids for the three contracts for the Ozone project are detailed in the bid tabulation included in the agenda report. Overall, the bids result in a project cost 10 percent over the original budget. The construction cost index has risen 13 percent in the last year, so the bids are not unreasonable. The 2022 capital budget reflects the results of the bid.

Recommendation: Award the general contract to PSI Solutions for \$5,448,000, the electrical contract to PSI Solutions for \$350,000, and the mechanical contract to McLure Company for \$223,000.

5.2 Requisitions

BRIF #624	HRG	\$312.50
	Shiloh Road Project	

BRIF #625	HRG Scott Road Pump Station Project	\$1,300.00
BRIF #626	HRG Greenbriar Record Drawings	\$780.00
BRIF #627	HRG Fiber Optic Conduits	\$1,350.00
BRIF #628	Rettew Switchgear Replacement Project	\$3,028.02
BRIF #629	Rettew Phosphorus Study	\$5,657.38
BRIF #630	Rettew Battery O&M	\$1,818.46
BRIF #631	L/B Water Whitehall Road Project	\$1,994.65
BRIF #632	L/B Water Scott Road Project	\$2,250.00
BRIF #633	S&C Operations Scott Road Project- Trucking	\$2,683.75
BRIF #634	Glenn O. Hawbaker Scott Road & Whitehall Road Projects	\$3,654.90
BRIF #635	Glossner's Concrete Scott Road Project	\$344.00
BRIF #636	Best Line Equipment Scott Road Project	\$2,895.00
BRIF #637	Lake Ford & Lincoln New Ford F-350 & F-550	\$118,667.03
BRIF #638	Thoroughbred Construction Pay App. #6- Switchgear Project	\$117,301.84
BRIF #639	Skelly and Loy, Inc. Meeks Lane Toad Service	\$200.00
TOTAL BRIF		\$264,237.53
Construction Fund #024	Rettew Biosolids Upgrade Project	\$3,054.25

Construction Fund #025	Penns Valley Code Enforcement Ozone Project Permit	\$3,136.50
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TOTAL 2020 A CONSTRUCTION FUND		\$6,190.75
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Revenue Fund #182	Debt Service, Operation and Maintenance Expenses	\$1,000,000
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TOTAL REVENUE FUND		\$1,000,000
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6. Reports of Officers

7. Other Business

8. Adjournment

HRG

Herbert, Rowland & Grubic, Inc.
Engineering & Related Services

AN EMPLOYEE-OWNED COMPANY

WASTEWATER COLLECTION, CONVEYANCE, AND TREATMENT FACILITIES CAPITAL CHARGES STUDY PURSUANT TO ACT 57 OF 2003



Submitted to:

UNIVERSITY AREA JOINT AUTHORITY
1576 Spring Valley Road
State College, Pennsylvania 16801

Submitted by:

HERBERT, ROWLAND & GRUBIC, INC.
2568 Park Center Boulevard
State College, PA 16801
814.238.7117

R001178.0703

CAPITAL CHARGES STUDY

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SUMMARY OF CAPITAL CHARGES FEES OCTOBER 2021

The University Area Joint Authority (UAJA) wastewater collection, conveyance and treatment system was originally constructed in 1970. At that time, the original facilities were owned by the College-Harris Joint Authority (CHJA) and the Patton-Ferguson Joint Authority (PFJA). The system consists of the treatment plant, pumping stations, and the associated collection and conveyance piping.

UAJA's treatment facility is permitted to treat wastewater flows based upon its current Water Quality Management (WQM) Permit issued by the Pennsylvania Department of Environmental Protection (DEP). The permit authorizes UAJA to treat an average annual flow of 9.0 million gallons per day (MGD). The DEP has issued two (2) National Pollutant Discharge Effluent Permits for the Authority; the first allows for 6.0 MGD of treated wastewater to be discharged to Spring Creek while the second permit allows for an additional 3.0 MGD to be discharged through Beneficial Reuse (BR) and wetland discharge. Discharging a full 3.0 MGD to Beneficial Reuse/wetlands is the maximum rate currently approved by DEP under Act 537 planning, and associated permitting, to handle planned growth in the service region. Beneficial Reuse facilities currently installed at the plant have the capacity to handle 2.0 MGD. As growth in the Centre Region continues, the Authority plans to construct additional BR facilities to handle up to 3.0 MGD. Based upon currently installed facilities, the rated capacity of the plant is 8.0 MGD.

Act 57 of 2003 provides for the imposition of three separate fees that are designed to allow Municipal Authorities and Municipalities to recover certain, specific costs and equity in the system. With the exception of assessments, these are the only initial charges that are allowed. However, the Authority may also require financial security including the funding of an escrow account in order to insure payment of review and inspection fees. Sewer rents and other charges that recover operating, maintenance, and debt service costs are largely unaffected by Act 57 except that certain conditions are applied to the collection and amount of reservation of capacity fees.

The three fees authorized by Act 57 are summarized below:

	Maximum Amount of Charge per EDU
1 Connection Fee	Actual Cost
2 Customer Facilities Fee	Actual Cost
3 Tapping Fee	
a) Capacity Part	\$6,226.00
b) Collection Part	\$1,978.00
c) Special Purpose Part *	As Applicable
d) Reimbursement Part *	As Applicable
Total Residential Tapping Fee	\$8,204.00

*APPLIES ONLY TO CERTAIN SPECIFIC NEW CONNECTIONS.

The above Residential Tapping Fee is the maximum allowed by Act 57. The maximum tapping fee for a Non-Residential connection will be based upon either the number of gallons per day (hydraulic capacity) or the pounds BOD₅ per day (organic capacity) required by the new connection.

The maximum tapping fee for a Non-Residential connection based upon gallons per day is computed as follows:

Non-Residential Tapping Fee (Hydraulic)	
Capacity Part	\$28.30
Collection Part	\$8.99
Total (per gpd)	<u>\$37.29</u>

The maximum tapping fee for a Non-Residential connection based upon pounds of BOD₅ per day is computed as follows:

Non-Residential Tapping Fee (Organic)	
Capacity Part	\$ 18,141.00
Collection Part	\$ 5,763.00
Total (per lb. BOD ₅)	<u>\$ 23,904.00</u>

Of the resulting fees, the Authority may choose to apply the higher of the two charges (either hydraulic or organic) to the Non-Residential user. Under certain circumstances, the Authority may elect to charge Non-Residential users a tapping fee based upon other regulated parameters of the Authority's wastewater.

The Special Purpose Part and Reimbursement Part will be applied as applicable.

The Act allows for the imposition of a Reservation of Capacity Fee, however, the Authority has chosen not to enact the Fee at this time.

SCHEDULE A: CALCULATION OF CONNECTION FEE

The connection fee covers the cost of the facilities installed between the sewer main and the property line of the property being connected. Construction of these facilities is generally the responsibility of the property owner with the prior approval of the Authority. All costs associated with the installation of these facilities are to be paid by the property owner. If the Authority incurs costs associated with the installation of these facilities, the fee will be calculated using an actual cost method as illustrated below. The illustration provides examples of costs the Authority might incur that are chargeable to the property owner under the definition of this fee but is not all-inclusive.

In lieu of payment of a connection fee, the Authority may require the construction and dedication of these facilities by the property owner. In this case, the Authority's only cost will be for inspection, and the cost of inspection may be charged based on the Authority's rate resolution in effect at the time of connection.

\$	Direct Materials Cost
+	Direct Subcontract Costs
+	Equipment Rental Charges
+	Direct Labor Costs
+	Fringe Benefits, Employment Taxes, and other Employment Costs
+	Cost of Inspection ⁽¹⁾
+	Application and Administrative Costs
+	Planning Module Review ⁽²⁾
+	Miscellaneous Engineering
+	Miscellaneous Legal Expenses
<hr/>	
=	Total Connection Fee

(1) Includes the cost of inspection for all facilities installed by property owner or subcontractor hired by the Authority.

(2) If required.

SCHEDULE B: CALCULATION OF CUSTOMER FACILITIES FEE

The customer facilities fee covers the cost of facilities from the property line to the proposed dwelling or building. The property owner generally provides the construction of these facilities. In most instances, the Authority's only cost will be for inspection, and the cost of inspection may be charged based on the Authority's rate resolution in effect at the time of connection.

In some instances, the Authority may determine that the installation of special facilities is necessary to accommodate flow from a particular property. An example would be the installation of a grinder pump when gravity flow to the sewer main is not possible. The Authority may elect to install such facilities; however, all costs of these facilities are chargeable to the property owner as illustrated below:

\$	Direct Materials Cost
+	Direct Subcontract Costs
+	Equipment Rental Charges
+	Direct Labor Costs
+	Fringe Benefits, Employment Taxes, and other Employment Costs
+	Other Direct Costs
<hr/>	
=	Total Customer Facilities Fee

CALCULATION OF TAPPING FEE: SUMMARY

The tapping fee is based on the Authority's equity in the system and payment of the tapping fee constitutes the new user's "buy-in" to the system. The capital costs associated with the construction of the Authority's facilities are updated to reflect current costs in accordance with one of the methods allowed by the Act. Facilities funded by others and dedicated to the Authority are not included in the computation of this fee. Outstanding debt related to the facilities must be subtracted except when calculating the initial tapping fee for a new system. The estimated cost of future capacity facilities has not been included in this calculation.

The tapping fee is comprised of up to four components, which are separately calculated. In lieu of the payment of a tapping fee, the Authority may require the construction and dedication of only such capacity, collection, or other special purpose facilities to supply service to the property owner or owners.

Capacity Part	\$6,226.00
+ Collection Part	\$1,978.00
+ Special Purpose Part *	As Applicable
+ Reimbursement Part *	As Applicable
= Tapping Fee	<u>\$8,204.00</u>

* Applies only to certain specific new connections.

SCHEDULE C: CALCULATION OF TAPPING FEE CAPACITY PART

Capacity Part: This part of the tapping fee includes those costs associated with construction of the wastewater treatment facility, major pump stations, force mains, interceptors, and Beneficial Reuse Transmission mains. Collection lines and appurtenances are included in the Collection Part.

As outlined by Act 57 of 2003, this study computes the value of the system based on historical costs trended to current values using the generally accepted Engineering News Record (ENR) construction index. Pursuant to the requirements of Act 57, the calculation of this fee requires a downward adjustment to reflect funds or facilities contributed by other parties, federal and state grants, and capital contributions from developers to arrive at the net historical cost. Outstanding debt must also be deducted from the cost of facilities since this is not the initial tapping fee for a system exclusively serving new users. This methodology is used for the costs associated with all capacity facilities.

Values have been established using the actual costs of the facilities and all associated project costs including engineering, legal, financial, and other costs. A breakdown of historical costs and grants is included in Exhibit 2a. Since this is not the initial tapping fee for a system exclusively serving new users, outstanding debt has been subtracted. Costs associated with the construction of future facilities have not been included in the fee.

The calculation of the Capacity part of the tapping fee is illustrated below. Detailed costs and calculations are included in Exhibit 1a.

Total Adjusted and Trended Cost of Capacity Facilities - Outstanding Debt	=	Cost per Unit of Design Capacity
System Design Capacity (gpd)		
\$322,078,081.22 - \$95,706,143.50	=	\$28.30 per gpd
8,000,000		

Act 57 establishes the maximum capacity for a residential connection. It is based on 90 gallons per day per capita applied to the average number of persons per household as determined by the most recent United States census. This calculation uses a capacity per residential dwelling unit (EDU) of 220 gpd based on the 90 gallons per person per day multiplied by the 2019 Census statistic of 2.44 persons per household in Centre County.

The maximum Capacity Part of the Tapping Fee per EDU is calculated as follows:

Number of Units of Design Capacity (gpd per EDU)	x	Cost per Unit of Design Capacity	=	Capacity Part of Tapping Fee
220	x	\$28.30	=	\$6,226.00 per EDU

The maximum Capacity Part of the Tapping Fee for a Non-Residential connection based upon gallons per day is \$37.29 or if an organic fee is to be determined, it will be calculated as follows:

BOD Loading =	0.3432	lb/day/EDU	
	2.91	EDUs/1 lb BOD	
Max Tapping Fee/EDU - Capacity Part =	\$6,226.00	*2.91 EDUs/lb.	
Capacity Part : Cost per Pound BOD₅ (non-residential	\$ 18,141.00	/lb	

SCHEDULE D: CALCULATION OF TAPPING FEE COLLECTION PART

Collection Part: This part includes costs associated with the construction of the sewage collection system including sewer mains, manholes, small pumping stations, associated forcemains and appurtenances.

As outlined by Act 57 of 2003, this study computes the value of the system based on historical costs trended to current values using the generally accepted Engineering News Record (ENR) construction index. Reliable historical cost records were not available for all facilities. To the extent that historical cost is not ascertainable, reasonable estimates of current replacement costs were prepared by Herbert, Rowland and Grubic, Inc. (HRG) in 2016 and trended to current value. Pursuant to the requirements of Act 57, the calculation of this fee requires a downward adjustment to reflect funds or facilities contributed by other parties, federal and state grants, and capital contributions from developers to arrive at the net historical cost. Outstanding debt must also be deducted from the cost of facilities since this is not the initial tapping fee for a system exclusively serving new users. This methodology is used for the costs associated with all collection facilities.

A breakdown of historical and replacement costs, in addition to grants is included in Exhibit 2b. Since this is not the initial tapping fee for a system exclusively serving new users, outstanding debt has been subtracted. Costs associated with the construction of future facilities have not been included in the fee.

The calculation of the Collection Facilities Part of the Tapping Fee is illustrated below.

Total Adjusted and Trended Cost of Collection Facilities - Outstanding Debt	=	Cost per Unit of Design Capacity
<hr/> System Design Capacity (gpd)		
<hr/> \$73,601,144.89 - \$1,714,524	=	\$8.99 per gpd
<hr/> 8,000,000		

Act 57 establishes the maximum capacity for a residential connection. It is based on 90 gallons per day per capita applied to the average number of persons per household as determined by the most recent United States census. This calculation uses a capacity per residential dwelling unit (EDU) of 220 gpd based on the 90 gallons per person per day multiplied by the 2019 Census statistic of 2.44 persons per household in Centre County.

The maximum Collection Part of the Tapping Fee per EDU is calculated as follows:

Number of Units of Design Capacity (gpd per EDU)	x	Cost per Unit of Design Capacity	=	Capacity Part of Tapping Fee
220	x	\$8.99	=	\$1,978.00 per EDU

The maximum Collection Part of the Tapping Fee for a Non-Residential connection based upon gallons per day is \$6.93 or if an organic fee is to be determined, it will be calculated as follows:

BOD Loading =	0.3432	lb/day/EDU	
	2.91	EDUs/1 lb BOD	
Max Tapping Fee/EDU - Collection Part =	\$1,978.00	*2.91 EDUs/lb.	
Collection Part : Cost per Pound BOD₅ (non-residential)		\$ 4,443.47	/lb

SCHEDULE E: CALCULATION OF TAPPING FEE SPECIAL PURPOSE PART

The Special Purpose Part is generally applicable only to a particular group of customers. This fee is designed to recover the cost of facilities that serve a special purpose or specific area, such as pump stations. Fees would be separately calculated for each applicable group and applied to new users as appropriate.

All costs associated with the installation of these facilities are to be paid by the users of these facilities through the imposition and collection of a special purpose part. If the Authority incurs costs associated with the installation of these facilities, the fee will be calculated using an actual cost method as illustrated below. The illustration provides examples of costs the Authority might incur that are chargeable to the users under the definition of this fee, but is not all-inclusive.

\$	Direct Materials Cost
+	Direct Subcontract Costs
+	Equipment Rental Charges
+	Direct Labor Costs
+	Fringe Benefits, Employment Taxes, and other Employment Costs
+	Cost of Inspection
+	Application and Administrative Costs
+	Planning Module Review
+	Miscellaneous Engineering
+	Miscellaneous Legal Expenses
=	Total Cost of Special Purpose Facilities

$$\frac{\text{Cost of Special Purpose Facilities}}{\text{Design Capacity of Special Purpose Facilities}} = \text{Special Purpose Part of Tapping Fee}$$

The Authority currently charges the following Special Purpose Fees:

Special Purpose Part	\$ 584.90 Valley Vista Interceptor
	\$ 509.73 Circleville Interceptor

The Authority may continue to collect these fees until they have been imposed on the total number of design capacity units used in the original calculations for the Special Purpose Part. These fees have not been updated as part of the 2021 Study.

SCHEDULE F:
CALCULATION OF TAPPING FEE
REIMBURSEMENT PART

Where appropriate, a reimbursement component may be included in the tapping fee charged to new connections for facilities constructed by others for which a reimbursement is due to the person constructing the facilities. This reimbursement must be defined in a written agreement between the Authority and the entity constructing the facilities. Typically, such agreements reimburse the cost of the capacity available for use by future connections.

The Authority does not currently assess a Reimbursement Part.

SCHEDULE G: CALCULATION OF RESERVATION OF CAPACITY FEE

Act 57 specifically authorizes a municipality to collect a fee for reserving capacity under certain circumstances: "... no reservation of capacity fee or other similar charge shall be imposed or collected from a property owner who has applied for service unless the charge is based on debt and fixed operating expenses. A Reservation of Capacity Fee or other similar charge may not exceed 60% of the average bill for a residential customer in the same service area for the same billing period. Any Authority opting to collect a reservation of capacity fee or other similar charge may not collect the Tapping Fee until the time as the building permit fee is due."

The Authority has chosen not to enact a Reservation of Capacity Fee at this time.

CERTIFICATE OF CONSULTING ENGINEER
(As required under the Pennsylvania Municipal Authorities Act)

I, the undersigned Consulting Engineer to the University Area Joint Authority (the "Authority") hereby certify that the replacement costs used in the computation of capital charges for the Authority are based upon reasonable written estimates of Year 2015 replacement costs and have been used only to the extent that historical cost is not ascertainable. I deem the assumptions upon which such computations have been made to be reasonable for such purposes. I further certify:

- (i) Herbert, Rowland & Grubic, Inc. is the consulting engineer to the Authority.
- (ii) I am a registered professional engineer, duly qualified and licensed under the laws of the Commonwealth of Pennsylvania.
- (iii) I am familiar with Section 5607(d) of the Pennsylvania Municipal Authorities Act, 53, PA.C.S. Chapter 56, pertaining to the enumerated fees.

Herbert, Rowland & Grubic, Inc.

Adrienne M Vicari

By: Adrienne M. Vicari, PE
PE # 073697

Exhibit 1a - Summary of Capacity Part Calculations

CAPACITY PART

HISTORICAL TRENDED COSTS

Project Completion Year	Total Historical Cost	Grants	Net Cost	ENR Index	Trend Factor	Trended Cost	Capacity Cost
1967	\$ 244,931	\$ -	\$ 244,931	1074	12464	\$ 2,842,477	\$ 2,842,477
1968	1,508,256	251,600	1,256,656	1155	12464	13,561,005	13,561,005
1969	786,805	257,900	528,905	1269	12464	5,194,856	5,194,856
1970	6,509,489	886,266	5,623,223	1381	12464	50,751,520	50,751,520
1971	3,656	-	3,656	1581	12464	28,823	28,823
1972	1,088	-	1,088	1753	12464	7,736	7,736
1974	92,170	-	92,170	2020	12464	568,716	568,716
1975	49,531	-	49,531	2212	12464	279,093	279,093
1976	108,570	-	108,570	2401	12464	563,605	563,605
1977	14,975	-	14,975	2576	12464	72,457	72,457
1978	18,575	-	18,575	2776	12464	83,400	83,400
1979	183,793	-	183,793	3003	12464	762,836	762,836
1980	143,207	-	143,207	3237	12464	551,416	551,416
1981	6,815	-	6,815	3535	12464	24,029	24,029
1982	99	-	99	3825	12464	323	323
1983	1,055	-	1,055	4066	12464	3,234	3,234
1984	4,736	-	4,736	4146	12464	14,238	14,238
1985	95,971	-	95,971	4195	12464	285,145	285,145
1986	169,656	-	169,656	4295	12464	492,338	492,338
1987	232,802	-	232,802	4406	12464	658,567	658,567
1988	736,093	-	736,093	4519	12464	2,030,242	2,030,242
1989	981,229	-	981,229	4615	12464	2,650,062	2,650,062
1990	8,091,034	-	8,091,034	4732	12464	21,311,633	21,311,633
1991	18,019,993	-	18,019,993	4835	12464	46,453,194	46,453,194
1992	5,933,112	-	5,933,112	4985	12464	14,834,565	14,834,565
1993	1,117,936	-	1,117,936	5210	12464	2,674,463	2,674,463
1994	456,565	-	456,565	5408	12464	1,052,261	1,052,261
1995	411,257	-	411,257	5471	12464	936,923	936,923
1996	106,350	-	106,350	5620	12464	235,862	235,862
1997	296,887	-	296,887	5826	12464	635,153	635,153
1998	1,631,664	-	1,631,664	5920	12464	3,435,314	3,435,314
1999	1,714,730	260,000	1,454,730	6059	12464	2,992,533	2,992,533
2000	2,752,597	-	2,752,597	6221	12464	5,514,928	5,514,928
2001	3,609,790	105,000	3,504,790	6343	12464	6,886,915	6,886,915
2002	12,444,054	-	12,444,054	6538	12464	23,723,262	23,723,262
2003	16,854,836	-	16,854,836	6694	12464	31,383,131	31,383,131
2004	16,266,860	-	16,266,860	7129	12464	28,440,194	28,440,194
2006	62,320	-	62,320	7751	12464	100,214	100,214
2007	1,858,303	-	1,858,303	7967	12464	2,907,228	2,907,228
2008	5,395,900	-	5,395,900	8310	12464	8,093,201	8,093,201
2009	77,500	-	77,500	8570	12464	112,714	112,714
2010	68,140	-	68,140	8802	12464	96,489	96,489
2011	396,062	100,000	296,062	9070	12464	406,848	406,848
2012	1,638,099	-	1,638,099	9308	12464	2,193,518	2,193,518
2013	236,875	-	236,875	9547	12464	309,250	309,250
2014	205,872	-	205,872	9806	12464	261,675	261,675
2015	7,528,858	25,000	7,503,858	10035	12464	9,320,188	9,320,188
2016	370,927	-	370,927	10338	12464	447,208	447,208
2017	67,448	-	67,448	10737	12464	78,296	78,296
2018	93,821	-	93,821	11062	12464	105,712	105,712
2019	846,198	-	846,198	11281	12464	934,935	934,935
2020	22,790,475	-	22,790,475	11466	12464	24,774,157	24,774,157
Total Historical & Trended Cost	\$ 143,237,964	\$ 1,885,766	\$ 141,352,198			\$ 322,078,081	\$ 322,078,081

Total Capacity Costs (Historical)	\$ 322,078,081
Less Outstanding Debt Related to Facilities	\$ 95,706,144
Total Trended Adjusted Cost	\$ 226,371,938
CAPACITY PART	
Capacity (Gallons Per Day) - (Equals UAJA max discharge) ¹	8,000,000
Cost per Gallon	\$28.30
Gallons per Residential User Maximum Capacity Part	90 GPD x 2.44= 220
Maximum Capacity Part	\$6,226.00

1) UAJA's WQM Permit provides for an AAF of 9.0 MGD, however UAJA's NPDES permit for Spring Creek only allows 6.0 MGD to be discharged. The NPDES permit for Beneficial Reuse/Wetland Discharge authorizes an additional discharge of 3.0 MGD however, the installed Beneficial Reuse Facilities are rated for 2.0 MGD. Therefore, the 1.0 MGD balance of capacity in the permit is only available with additional expense which is not included in the numerator of the equation therefore, the 1.0 MGD was not included as capacity in the denominator.

Exhibit 1b - Summary of Collection Part Calculations

COLLECTION PART

HISTORICAL TRENDED COSTS

Project Completion Year	Total Historical Cost	Grants	Net Cost	ENR Index	Trend Factor	Trended Cost	Collection Cost	
1970	\$ 6,151,547	\$ 807,531	\$ 5,344,016	1,381	12,464	9.03	\$ 48,231,581	\$ 48,231,581
1999	110,782	-	110,782	6,060	12,464	2.06	227,853	227,853
2003	152,455	-	152,455	6,695	12,464	1.86	283,824	283,824
2005	1,314,124	1,314,124	-	7,446	12,464	1.67	-	-
2006	1,402,896	1,402,896	-	7,751	12,464	1.61	-	-
2007	785,055	785,055	-	7,967	12,464	1.56	-	-
2008	522,182	504,192	17,990	8,310	12,464	1.50	26,983	26,983
2009	1,157,316	1,157,316	-	8,570	12,464	1.45	-	-
2010	990,316	990,316	-	8,802	12,464	1.42	-	-
2011	108,562	108,562	-	9,070	12,464	1.37	-	-
2012	676,520	676,520	-	9,308	12,464	1.34	-	-
2013	2,640,435	2,640,435	-	9,547	12,464	1.31	-	-
2014	1,124,345	1,124,345	-	9,806	12,464	1.27	-	-
2015	62,741	-	62,741	10,034	12,464	1.24	77,935	77,935
2016	854,761	11,097,741	5,687,984	10,338	12,464	1.21	6,857,712	6,857,712
2017	1,314,494	-	1,314,494	10,737	12,464	1.16	1,525,925	1,525,925
2018	2,562,590	-	2,562,590	11,062	12,464	1.13	2,887,373	2,887,373
2019	1,229,296	-	1,229,296	11,281	12,464	1.10	1,358,208	1,358,208
2020	1,631,158	-	1,631,158	11,466	12,464	1.09	1,773,134	1,773,134
Total Historical & Trended Cost	\$ 24,791,576	\$ 11,511,293	\$ 5,625,243				\$ 63,250,528	\$ 63,250,528

REPLACEMENT COSTS

Description	Total Replacement Cost ¹	Grants	Net Cost	ENR Index	Trend Factor	Trended Cost	Collection Cost
Sewer Collection System	\$ 145,679,079	\$ 137,265,050	\$ 8,414,029	10132	12464	1.23	\$ 10,350,617
Total Replacement Cost	\$ 145,679,079	\$ 137,265,050	\$ 8,414,029				\$ 10,350,617

Total Collection Costs (Historical and Replacement)	\$ 73,601,145
Less Outstanding Debt Related to Facilities	\$ 1,714,524
Total Trended Adjusted Cost	\$ 71,886,621

COLLECTION PART

Capacity (Gallons Per Day) - (Equals UAJA max discharge) ²	8,000,000
Cost per Gallon	\$8.99
Gallons per Residential User Maximum Capacity Part	90 GPD x 2.44=
Maximum Collection Part	\$1,978.00

TOTAL MAXIMUM TAPPING FEE - CAPACITY AND COLLECTION PARTS, HYDRAULIC CAPACITY (PER HOUSEHOLD) \$8,204.00

1) Replacement cost is based on engineer's estimate and comprehensive report by Industrial Appraisal Company dated May 1, 2015; historical is not ascertainable. 2015 Replacement costs trended to current value using ENR Index.

2) UAJA's WQM Permit provides for an AAF of 9.0 MGD, however UAJA's NPDES permit for Spring Creek only allows 6.0 MGD to be discharged. The NPDES permit for Beneficial Reuse/Wetland Discharge authorizes an additional discharge of 3.0 MGD however, the installed Beneficial Reuse Facilities are rated for 2.0 MGD. Therefore, the 1.0 MGD balance of capacity in the permit is only available with additional expense which is not included in the numerator of the equation therefore, the 1.0 MGD was not included as capacity in the denominator.

Exhibit 2a - Detailed Historical Cost Breakdown - Capacity

HISTORICAL TRENDED COSTS

Project Completion Year	Total Historical Cost	Grants	Net Cost	ENR Index	Trend Factor	Trended Cost/ Capacity Cost
CAPACITY						
1967	\$ 244,931	\$ -	\$ 244,931	1074	12464	\$ 2,842,477
1968	1,508,256	251,600	1,256,656	1155	12464	13,561,005
1969	786,805	257,900	528,905	1269	12464	5,194,856
1970	6,509,489	886,266	5,623,223	1381	12464	50,751,520
1971	3,656	-	3,656	1581	12464	28,823
1972	1,088	-	1,088	1753	12464	7,736
1974	92,170	-	92,170	2020	12464	568,716
1975	49,531	-	49,531	2212	12464	279,093
1976	108,570	-	108,570	2401	12464	563,605
1977	14,975	-	14,975	2576	12464	72,457
1978	18,575	-	18,575	2776	12464	83,400
1979	183,793	-	183,793	3003	12464	762,836
1980	143,207	-	143,207	3237	12464	551,416
1981	6,815	-	6,815	3535	12464	24,029
1982	99	-	99	3825	12464	323
1983	1,055	-	1,055	4066	12464	3,234
1984	4,736	-	4,736	4146	12464	14,238
1985	95,971	-	95,971	4195	12464	285,145
1986	169,656	-	169,656	4295	12464	492,338
1987	232,802	-	232,802	4406	12464	658,567
1988	736,093	-	736,093	4519	12464	2,030,242
1989	981,229	-	981,229	4615	12464	2,650,062
1990	8,091,034	-	8,091,034	4732	12464	21,311,633
1991	18,019,993	-	18,019,993	4835	12464	46,453,194
1992	5,933,112	-	5,933,112	4985	12464	14,834,565
1993	1,117,936	-	1,117,936	5210	12464	2,674,463
1994	456,565	-	456,565	5408	12464	1,052,261
1995	411,257	-	411,257	5471	12464	936,923
1996	106,350	-	106,350	5620	12464	235,862
1997	296,887	-	296,887	5826	12464	635,153
1998	1,631,664	-	1,631,664	5920	12464	3,435,314
1999	1,714,730	260,000	1,454,730	6059	12464	2,992,533
2000	2,752,597	-	2,752,597	6221	12464	5,514,928
2001	3,609,790	105,000	3,504,790	6343	12464	6,886,915
2002	12,444,054	-	12,444,054	6538	12464	23,723,262
2003	16,854,836	-	16,854,836	6694	12464	31,383,131
2004	16,266,860	-	16,266,860	7129	12464	28,440,194
2006	62,320	-	62,320	7751	12464	100,214
2007	1,858,303	-	1,858,303	7967	12464	2,907,228
2008	5,395,900	-	5,395,900	8310	12464	8,093,201
2009	77,500	-	77,500	8570	12464	112,714
2010	68,140	-	68,140	8802	12464	96,489
2011	396,062	100,000	296,062	9070	12464	406,848
2012	1,638,099	-	1,638,099	9308	12464	2,193,518
2013	236,875	-	236,875	9547	12464	309,250
2014	205,872	-	205,872	9806	12464	261,675
2015	7,528,858	25,000	7,503,858	10035	12464	9,320,188
2016	370,927	-	370,927	10338	12464	447,208
2017	67,448	-	67,448	10737	12464	78,296
2018	93,821	-	93,821	11062	12464	105,712
2019	846,198	-	846,198	11281	12464	934,935
2020	22,790,475	-	22,790,475	11466	12464	24,774,157
Total Historical & Trended Cost	\$ 143,237,964	\$ 1,885,766	\$ 141,352,198			\$ 322,078,081

Exhibit 2b - Detailed Historical/Replacement Cost Breakdown - Collection

HISTORICAL TRENDED COSTS

Project Completion Year	Total Historical Cost	Grants	Net Cost	ENR Index	Trend Factor	Trended Cost/Collection Cost
COLLECTION						
1970	\$ 6,151,547	\$ 807,531	\$ 5,344,016	1381	12464	\$ 48,231,581
1999	\$ 110,782	\$ -	\$ 110,782	6060	12464	\$ 227,853
2003	\$ 152,455	\$ -	\$ 152,455	6695	12464	\$ 283,824
2005	\$ 1,314,124	\$ 1,314,124	\$ -	7446	12464	\$ -
2006	\$ 1,402,896	\$ 1,402,896	\$ -	7751	12464	\$ -
2007 ¹	\$ 785,055	\$ 785,055	\$ -	7967	12464	\$ -
2008 ¹	\$ 522,182	\$ 504,192	\$ 17,990	8310	12464	\$ 26,983
2009	\$ 1,157,316	\$ 1,157,316	\$ -	8570	12464	\$ -
2010	\$ 990,316	\$ 990,316	\$ -	8802	12464	\$ -
2011	\$ 108,562	\$ 108,562	\$ -	9070	12464	\$ -
2012	\$ 676,520	\$ 676,520	\$ -	9308	12464	\$ -
2013 ¹	\$ 2,640,435	\$ 2,640,435	\$ -	9547	12464	\$ -
2014 ¹	\$ 1,124,345	\$ 1,124,345	\$ -	9806	12464	\$ -
2015	\$ 62,741	\$ -	\$ 62,741	10034	12464	\$ 77,935
2016	\$ 854,761	\$ 11,097,741	\$ 5,687,984	10338	12464	\$ 6,857,712
2017	\$ 1,314,494	\$ -	\$ 1,314,494	10737	12464	\$ 1,525,925
2018	\$ 2,562,590	\$ -	\$ 2,562,590	11062	12464	\$ 2,887,373
2019	\$ 1,229,296	\$ -	\$ 1,229,296	11281	12464	\$ 1,358,208
2020	\$ 1,631,158	\$ -	\$ 1,631,158	11466	12464	\$ 1,773,134
Total Historical & Trended Cost	\$ 17,199,277	\$ 11,511,293	\$ 5,687,984			\$ 63,250,528
TOTAL HISTORICAL COSTS (ROUNDED)						\$ 63,250,528

REPLACEMENT COSTS

Project Completion Year	Project Description	Units	Cost/Unit *	Total Replacement Cost *	Grants/Contributed Facilities/Assessments	Collection Replacement Cost *
COLLECTION						
1970	North Meter Pit	Building and Structures	1	\$ 42,922	\$ 42,922	\$ -
1970	South Meter Pit	Building and Structures	1	\$ 42,922	\$ 42,922	\$ -
1970	Land ²	Land - Maylie	1	\$ 491,292	\$ 592,325	\$ 148,081
1972	Land ²	Land - ROW	1	\$ 186,278	\$ 224,586	\$ 56,146
1974	Harris Drive	Pumps and Controls	180 gpm	\$ 248,948	\$ 248,948	\$ -
1974	Harris Drive	Wetwell and Structures	1	\$ 360,546	\$ 360,546	\$ -
1974	Outer Drive	Pumps and Controls	180 gpm	\$ 248,948	\$ 248,948	\$ -
1974	Outer Drive	Wetwell and Structures	1	\$ 360,546	\$ 360,546	\$ -
1974	Kaywood	Pumps and Controls	180 gpm	\$ 248,948	\$ 248,948	\$ -
1974	Kaywood	Wetwell and Structures	1	\$ 360,546	\$ 360,546	\$ -
1979	Whitehall Road	Pumps and Controls	60 gpm	\$ 180,273	\$ 180,273	\$ -
1979	Whitehall Road	Wetwell and Structures	1	\$ 291,870	\$ 291,870	\$ -
1980	Gravity Sewer	Four Foot Diameter Brick or Concrete	5386	\$ 4,200	\$ 27,273,229	\$ 1,011,084
1980	Gravity Sewer	Five Foot Diameter Concrete	50	\$ 5,000	\$ 301,412	\$ 75,353
1980	Gravity Sewer	Air Release Manholes	45	\$ 4,000	\$ 217,017	\$ 54,254
1980	Gravity Sewer	8" Diameter Gravity Sewer	780344	\$ 100	\$ 94,082,101	\$ -
1980	Gravity Sewer	10" Diameter Gravity Sewer	17002	\$ 105	\$ 2,152,337	\$ 2,152,337
1980	Gravity Sewer	12" Diameter Gravity Sewer	13041	\$ 110	\$ 1,729,516	\$ 1,729,516
1980	Forcemain	1.5" Diameter Forcemain ¹	375	\$ 39	\$ 17,633	\$ 4,408
1980	Forcemain	2" Diameter Forcemain ¹	414	\$ 39	\$ 19,466	\$ 4,867
1980	Forcemain	3" Diameter Forcemain ¹	4120	\$ 42	\$ 208,626	\$ 52,156
1980	Land ²	Pump Station/Meter Pit Sites	1	\$ 1,246,030	\$ 1,502,274	\$ 375,569
1980	Land ²	Forcemain and Gravity Sewer Easements	1	\$ 6,764,160	\$ 8,155,203	\$ 2,038,801
1986	North Meter Pit	Metering Equipment	1	\$ 291,870	\$ 291,870	\$ -
1986	South Meter Pit	Metering Equipment	1	\$ 291,870	\$ 291,870	\$ -
1986	Haymarket	Pumps and Controls	83 gpm	\$ 188,857	\$ 188,857	\$ -
1986	Haymarket	Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ -
1988	Persia	Pumps and Controls	69 gpm	\$ 188,857	\$ 188,857	\$ -
1988	Persia	Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ -
1988	Scenery Park	Pumps and Controls	68 gpm	\$ 188,857	\$ 188,857	\$ -
1988	Scenery Park	Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ -
1990	Piney Ridge	Pumps and Controls	174 gpm	\$ 248,948	\$ 248,948	\$ -
1990	Piney Ridge	Wetwell and Structures	1	\$ 360,546	\$ 360,546	\$ -
1990	Piney Ridge	Generator	1	\$ 51,507	\$ 51,507	\$ -
1991	Aspen Heights	Pumps and Controls	111 gpm	\$ 206,026	\$ 206,026	\$ -
1991	Aspen Heights	Wetwell and Structures	1	\$ 300,455	\$ 300,455	\$ -
1992	St. Ives Place	Pumps and Controls	90 gpm	\$ 197,442	\$ 197,442	\$ -
1992	St. Ives Place	Wetwell and Structures	1	\$ 326,208	\$ 326,208	\$ -
1994	Land ²	Land - ROW	1	\$ 30,349	\$ 36,590	\$ 9,148
1995	Graysdale 2A	Pumps and Controls	76 gpm	\$ 188,857	\$ 188,857	\$ -
1995	Graysdale 2A	Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ -
1999	Graysdale 2B	Pumps and Controls	76 gpm	\$ 188,857	\$ 188,857	\$ -
1999	Graysdale 2B	Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ -
1999	Graysdale 2B	Generator	1	\$ 42,922	\$ 42,922	\$ -
1999	Fox Hill Road	Pumps and Controls	167 gpm	\$ 240,364	\$ 240,364	\$ -
1999	Fox Hill Road	Wetwell and Structures	1	\$ 343,377	\$ 343,377	\$ -
1999	Fox Hill Road	Generator	1	\$ 60,091	\$ 60,091	\$ -
2003	Claster's Meter Pit	Building and Structures	1	\$ 70,392	\$ 70,392	\$ 70,392
2004	Marywood	Pumps and Controls (146 gpm)	1	\$ 223,195	\$ 223,195	\$ -
2004	Marywood	Wetwell and Structures	1	\$ 326,208	\$ 326,208	\$ -
2004	Marywood	Generator	1	\$ 51,507	\$ 51,507	\$ -
2013	Land ²	Land - Top of Hill	1	\$ 28,716	\$ 34,621	\$ 8,655
Total Replacement Cost				\$ 145,055,817	\$ 137,265,050	\$ 7,790,767
SUBTOTAL REPLACEMENT COSTS (ROUNDED)						\$ 7,790,767.43
Engineering, Permitting, Bidding, & Construction Administration (6%)						\$ 467,446.05
Legal and Financing Costs (2.0%)						\$ 155,815.35
TOTAL REPLACEMENT COSTS (Year 2015 Value)						\$ 8,414,028.82

* Replacement Values shown above are 2015 dollars and not yet trended to current value.

1) Total value of projects completed has been reduced to account for projects assessed via a Special Purpose Fee.

2) Land values obtained from comprehensive report by Industrial Appraisal Company dated May 1, 2015 and has been adjusted by the same formula used for other components. HRG does not certify land values.

Exhibit 3 - Summary of Outstanding Debt Related to Facilities

Due Date	Revenue Bonds Series of 2015	Revenue Bonds Series of 2017	Revenue Bonds Series A of 2017	Revenue Bonds Series B of 2017	Revenue Bonds Series of 2018	Revenue Bonds Series of 2020	Revenue Bonds Series A of 2020	Revenue Bonds Series of 2021	Revenue Bonds Series A of 2021	Total Debt Service Due
Dec-21	\$7,481	\$339,125	\$606,300	\$3,648,550	\$416,419	\$269,950	\$0	\$0	\$429,051	\$5,716,876
Dec-22	\$7,481	\$338,125	\$621,707	\$3,446,300	\$416,419	\$889,250	\$0	\$0	\$626,600	\$6,345,882
Dec-23	\$7,481	\$341,625	\$645,599	\$3,442,300	\$416,419	\$883,050	\$190,900	\$265,500	\$606,500	\$6,799,374
Dec-24	\$322,481	\$335,250	\$662,298	\$3,461,800	\$416,419	\$566,050	\$190,900	\$265,500	\$576,600	\$6,797,298
Dec-25	\$0	\$339,000	\$687,070	\$3,448,300	\$416,419	\$890,650	\$190,900	\$265,500	\$562,100	\$6,799,939
Dec-26	\$0	\$332,350	\$714,970	\$3,448,050	\$416,419	\$893,900	\$190,900	\$265,500	\$534,200	\$6,796,289
Dec-27	\$0	\$335,850	\$0	\$335,050	\$416,419	\$3,318,900	\$190,900	\$265,500	\$1,935,200	\$6,797,819
Dec-28	\$0	\$334,131	\$0	\$330,750	\$416,419	\$3,320,100	\$190,900	\$265,500	\$1,938,000	\$6,795,800
Dec-29	\$0	\$5,957,413	\$0	\$0	\$416,419	\$0	\$190,900	\$265,500	\$0	\$6,830,232
Dec-30	\$0	\$2,842,813	\$0	\$0	\$3,531,419	\$0	\$190,900	\$265,500	\$0	\$6,830,632
Dec-31	\$0	\$0	\$0	\$0	\$6,372,969	\$0	\$190,900	\$265,500	\$0	\$6,829,369
Dec-32	\$0	\$0	\$0	\$0	\$4,418,906	\$0	\$2,145,900	\$265,500	\$0	\$6,830,306
Dec-33	\$0	\$0	\$0	\$0	\$0	\$0	\$6,566,800	\$265,500	\$0	\$6,832,300
Dec-34	\$0	\$0	\$0	\$0	\$0	\$0	\$1,198,500	\$5,630,500	\$0	\$6,829,000
Dec-35	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,589,550	\$0	\$3,589,550
Dec-36	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$344,924	\$11,495,682	\$3,937,944	\$21,561,100	\$18,071,065	\$11,031,850	\$11,629,300	\$12,140,550	\$7,208,251	\$97,420,666
Percent Capacity	100%	100%	100%	100%	100%	95%	90%	100%	100%	
Total Capacity	\$344,924	\$11,495,682	\$3,937,944	\$21,561,100	\$18,071,065	\$10,480,258	\$10,466,370	\$12,140,550	\$7,208,251	\$95,706,144
Percent Collection	0%	0%	0%	0%	0%	5%	10%	0%	0%	
Total Collection	\$0	\$0	\$0	\$1	\$0	\$551,593	\$1,162,930	\$0	\$0	\$1,714,524
Percent Special Purpose	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Total Special Purpose	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Exhibit 4 - Derivation of Organic Based Tapping Fee Charge

A. Determination of Conversion Factor Based Upon Historic UAJA Loadings

Avg. Historic BOD Loading (Years 2016 - 2020) (Per Chapter 94 Report)	0.3432 lb/day/EDU
	2.91 EDUs/1 lb BOD

B. Verification of Above Conversion Factor Based Upon Industry Standards

BOD = 0.17 lb/day/capita	(Per DEP Domestic Wastewater Facilities Manual)
Capita per Household = 2.44	(Analysis of 2019 Census Data Statistics for UAJA's Service Area)

Lbs/day/EDU = 0.17 lb/day/cap * 2.44 people per household =	0.41 lb/day/EDU
	2.41 EDUs/1 lb BOD

(UAJA historic loading data appears appropriate when compared to standard industry approximations.)

C. Verification Based Upon Capacity of AWTF

UAJA Influent BOD Loading Capacity Per Day =	50,000 lb.
UAJA Permitted Capacity =	9,000,000 gpd
Gallons/ lb. BOD =	180.00
Gallons per Residential User (EDU) = 90 * 2.44 =	220
No. of EDUs in 1lb. BOD =	0.82 EDUs/1 lb BOD
No. of lb. BOD/ EDU =	1.22 lb/day/EDU

Facilities have been installed and permitted to handle historic BOD loadings shown above.

Determination of Organic Tapping Fee Charge

Organic Loading per EDU =	2.91 EDUs/1 lb BOD
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Max Tapping Fee/EDU - Capacity Part =	\$6,226.00 *2.91 EDUs/lb.
Capacity Part : Cost per Pound BOD₅ (non-residential) =	\$ 18,141.00 /lb

Max Tapping Fee/EDU - Collection Part =	\$1,978.00 *2.91 EDUs/lb.
Collection Part : Cost per Pound BOD₅ (non-residential) =	\$ 5,763.00 /lb

Total Residential Tapping Fee =	\$ 23,904.00 /lb
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		Revenue - DETAIL		
BUDGET ITEM	ACCOUNT NUMBER	2021 Budget	2021 YTD	2022 Budget Request
Quarterly Charges	1040410-	\$14,873,932.00	\$10,814,619.62	\$15,212,532.00
Connection/Tap Fees	1040440-	\$1,107,279.00	\$581,552.38	\$2,382,727.00
Misc. Revenue	1040XXX-	\$671,053.68	\$1,104,811.71	\$430,530.00
TOTAL Revenue		\$16,652,264.68	\$12,500,983.71	\$18,025,789.00
		Expense - DETAIL		
BUDGET ITEM	ACCOUNT NUMBER	2021 Budget	2021 YTD	2022 Budget Request
G&A Expense Detail	1050050-	\$1,757,627.00	\$1,508,783.60	\$1,770,768.00
G&A IT Expense Detail	1050053-	\$94,265.00	\$82,452.39	\$110,000.00
G&A Fleet/Fuel Expense Detail	1050054-	\$197,000.00	\$147,864.44	\$215,000.00
Debt Service Expense Detail	1052052-	\$6,655,882.26	\$1,690,408.51	\$6,817,131.80
Laboratory Expense Detail	1060019-	\$323,062.79	\$247,199.24	\$324,040.00
Plant Maintenance Expense Detail	1060022-	\$1,120,589.00	\$974,315.38	\$1,170,762.00
Main Station Expense Detail	1060023-	\$89,000.00	\$26,187.65	\$114,000.00
IPP Expense Detail	1060025-	\$117,018.00	\$87,258.45	\$116,498.00
Beneficial Reuse Expense Detail	1060028-	\$848,408.00	\$761,503.00	\$951,415.00
Dewatering Expense Detail	1060029-	\$476,278.00	\$305,507.25	\$590,998.00
Compost Expense Detail	1060030-	\$917,004.00	\$737,515.08	\$992,867.00
Plant Operation Expense Detail	1060032-	\$1,896,631.00	\$1,733,710.76	\$2,079,557.00
Collection Maint. Expense Detail	1070021-	\$1,757,721.00	\$1,431,636.02	\$1,846,553.00
Equipment Maint. Expense Detail	1070022-	\$65,000.00	\$63,664.57	\$86,000.00
Inspection Expense Detail	1070034-	\$450,239.00	\$349,534.82	\$466,310.00
Pump Station Expense Detail	1070036-	\$157,600.00	\$87,668.37	\$156,100.00
TOTAL EXPENDITURES		\$16,923,325.05	\$10,235,209.53	\$17,807,999.80
Collection Capital Expense Detail	1045921-	\$2,295,276.00	\$774,440.97	\$8,352,246.00
Plant Capital Expense Detail	1045XXX-	\$17,176,010.00	\$3,141,444.20	\$19,182,000.00
G&A Capital Expense Detail	1045950-	\$190,000.00	\$0.00	\$504,660.00
TOTAL EXPENDITURES		\$19,661,286.00	\$3,915,885.17	\$28,038,906.00
Note:				
\$18,516,000.00 of the Plant Capital Expense Detail will utilize Construction Fund Money.				

BUDGET ITEM	ACCOUNT NUMBER	REVENUES - DETAIL		
		2021 Budget	2021 YTD	2022 Budget Request
UAJA Revenue	1040410-4101	\$10,324,932.00	\$7,772,137.52	\$10,418,532.00
Boro Revenue	1040410-4102	\$3,800,000.00	\$2,622,402.23	\$4,100,000.00
PSU Revenue	1040410-4104	\$220,000.00	\$71,576.31	\$190,000.00
PGM Revenue	1040410-4103	\$379,000.00	\$253,551.56	\$379,000.00
Surcharge Revenue	1040410-4105	\$150,000.00	\$94,952.00	\$125,000.00
Non-Taxable Compost Revenue	1040420-4201-N5001	\$45,000.00	\$51,777.50	\$22,500.00
Taxable Compost Revenue	1040420-4201-N5002	\$6,000.00	\$10,427.86	\$3,000.00
Sludge Disposal	1040420-4203	\$23,000.00	\$34,289.23	\$25,000.00
Beneficial Reuse Water	1040425-4251	\$25,000.00	\$22,208.00	\$20,000.00
Boro Maintenance	1040430-4301	\$65,000.00	\$83,424.50	\$65,000.00
Connection Fee	1040440-4401	\$20,250.00	\$15,623.23	\$20,000.00
Tap Fee - Plant	1040440-4402	\$846,400.00	\$516,254.67	\$2,154,960.00
Tap Fee - Ghaner	1040440-4403	\$18,550.00	\$9,632.00	\$13,846.00
Tap Fee - Rt. 26	1040440-4411	\$109,850.00	\$16,950.00	\$121,475.00
Tap Fee - Circleville	1040440-4412	\$79,306.00	\$4,375.68	\$43,327.00
Tap Fee - Valley Vista	1040440-4413	\$28,495.00	\$18,716.80	\$26,905.00
Tap Fee - PGM Collection	1040440-4404	\$4,428.00	\$0.00	\$2,214.00
IPP User Fee	1040440-4405	\$4,750.00	\$3,800.00	\$3,800.00
Water Qual. Mgmt. Permit	1040440-4409	\$500.00	\$400.00	\$500.00
Repair Permits	1040440-4410	\$1,550.00	\$1,350.00	\$1,500.00
Inspection Fees	1040450-4407	\$40,000.00	\$20,777.06	\$40,000.00
Equipment Rental	1040451-4501	\$0.00	\$0.00	\$0.00
Assesment	1040451-4502	\$0.00	\$0.00	\$0.00
Retiree Cobra	1040451-4503	\$22,913.68	\$16,784.14	\$20,000.00
Insurance Claims	1040451-4504	\$0.00	\$0.00	\$0.00
Sale of Assets	1040451-4508	\$250,000.00	\$120,762.50	\$0.00
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	\$1,000.00	\$256.33	\$500.00
Interest - Payroll	1040470-4702	\$400.00	\$79.15	\$200.00
Interest - PLIGIT Checkbook	1040472-4703	\$30.00	\$0.12	\$30.00
Interest - PLIGIT Plus	1040472-4719	\$145.00	\$1.49	\$50.00
Interest - PLIGIT Emmaus	1040472-4711	\$200.00	\$0.21	\$0.00
Interest-93 Debt Service Res.	1040474-4724	\$50,000.00	\$366,662.10	\$75,000.00
Interest- Op. Expense Res.	1040474-4725	\$2,000.00	\$4,661.04	\$2,000.00
Interest-93 Debt Service Fund	1040474-4726	\$5,000.00	\$271,705.24	\$5,000.00
Interest- Revenue Fund	1040474-4727	\$3,000.00	\$132.83	\$500.00
Interest - BRIF	1040474-4706	\$30,000.00	\$46,905.49	\$20,000.00
Interest - BRIF/ Emmaus	1040474-4707	\$555.00	\$9.02	\$0.00
Interest - Constr Fund 2020A	1040474-4733	\$0.00	\$345.10	\$300.00
Interest Constr Fund 2021	1040474-4734	\$0.00	\$273.02	\$400.00
Maylie Rent	1040480-4902	\$0.00	\$0.00	\$0.00
Miscellaneous Receipts	1040480-4899	\$50,000.00	\$2,779.78	\$3,000.00
BRIF	1040480-4903	\$0.00	\$0.00	\$0.00
Solar Maintenance	1040480-4909	\$45,000.00	\$45,000.00	\$60,000.00
SREC	XXXX-XXXX	\$0.00	\$0.00	\$62,240.00
TOTAL REVENUES		\$16,652,264.68	\$12,500,983.71	\$18,025,789.00

1050050-GENERAL G & A EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET REQUEST	2021 YTD	2022 BUDGET REQUEST
Supervisor Labor	1050050-5001	\$256,417.00	\$185,045.91	\$268,222.00
Regular Labor	1050050-5002	\$355,201.00	\$245,057.59	\$300,368.00
Vac,Sick,Etc.	various	included in above	\$76,901.15	included in above
FICA	1050050-5101	\$37,920.00	\$31,434.41	\$35,253.00
Medicare	1050050-5102	\$8,868.00	\$7,351.50	\$8,245.00
UC Tax	1050050-5201	\$23,000.00	\$18,020.90	\$25,000.00
Group Health	1050050-5202	\$154,661.00	\$123,710.10	\$154,603.00
Health Deductible	1050050-5208	\$175,000.00	\$107,862.66	\$175,000.00
Pension	1050050-5203	\$86,804.00	\$48,914.64	\$56,859.00
Retiree Cobra	1050050-5205	\$10,000.00	\$15,414.69	\$20,000.00
Life Insurance	1050050-5207	\$80,400.00	\$80,566.36	\$100,000.00
Office Supplies	1050050-5301	\$15,000.00	\$17,870.84	\$15,000.00
Postage/Shipping	1050050-5302	\$30,000.00	\$27,246.32	\$30,000.00
Janitorial Supplies	1050050-5303	\$7,000.00	\$4,395.87	\$7,000.00
Petty Cash	1050050-5307	\$200.00	\$130.42	\$200.00
Advertising	1050050-5401	\$3,000.00	\$2,138.62	\$3,000.00
Audit	1050050-5402	\$23,000.00	\$22,589.94	\$22,500.00
Maylie Property	1050050-5403-6107	\$0.00	\$28.84	\$0.00
Retainer-Eng.	1050050-5405	\$20,000.00	\$15,378.51	\$1,000.00
Legal	1050050-5406	\$60,000.00	\$52,126.20	\$60,000.00
Insurance-Prop/WC	1050050-5408	\$280,000.00	\$310,488.00	\$325,102.00
Outside Services	1050050-5499	\$15,000.00	\$15,789.00	\$20,000.00
O&M Office Machines	1050050-5501-1054	\$5,000.00	\$10,306.04	\$7,500.00
Communications	1050050-5601	\$40,000.00	\$27,538.30	\$40,000.00
Training,Sem, Trav.	1050050-5701	\$5,000.00	\$14,512.00	\$15,000.00
Memberships	1050050-5702	\$6,500.00	\$7,731.00	\$8,000.00
Uniform/CDL/License	1050050-5703	\$18,000.00	\$15,647.45	\$22,000.00
Vaccinations	1050050-5704	\$1,500.00	\$0.00	\$8,000.00
Recruiting	1050050-5705	\$0.00	\$0.00	\$0.00
Employee Relations	1050050-5706	\$2,500.00	\$1,463.10	\$2,500.00
Meal Allowance	1050050-5707	\$500.00	\$143.79	\$500.00
Safety Equipment	1050050-5708	\$8,000.00	\$3,476.93	\$8,000.00
Safety Training	1050050-5709	\$3,000.00	\$0.00	\$3,000.00
Drug/Alcohol Testing	1050050-5710	\$500.00	\$754.00	\$1,000.00
Flow Boro	1050050-5906	\$0.00	\$0.00	\$0.00
Bank Fees	1050050-6007	\$0.00	\$12.00	\$0.00
Bad Debt	1050050-6008	\$0.00	\$0.00	\$0.00
Water- CTWA	1050050-6015	\$6,000.00	\$6,436.00	\$8,000.00
Garbage	1050050-6017	\$10,000.00	\$3,606.02	\$10,000.00
CNET	1050050-6019	\$8,656.00	\$8,634.50	\$8,916.00
Misc. Expense	1050050-6006	\$1,000.00	\$60.00	\$1,000.00
TOTAL		\$1,757,627.00	\$1,508,783.60	\$1,770,768.00

1050053-G & A INFORMATION TECHNOLOGY EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Internet Service	1050053-IT71	\$5,000.00	\$3,394.18	\$5,000.00
Hardware	1050053-IT72	\$18,365.00	\$16,679.54	\$34,000.00
Software	1050053-IT73	\$69,900.00	\$62,228.67	\$70,000.00
Training	1050053-IT74	\$1,000.00	\$150.00	\$1,000.00
TOTAL		\$94,265.00	\$82,452.39	\$110,000.00
1050054-G & A FLEET/FUEL EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2020 BUDGET	2021 YTD	2022 BUDGET REQUEST
Gen. Vehicle Maint.	1050054-5502	\$75,000.00	\$39,184.60	\$70,000.00
Gasoline	1050054-5603-1006	\$35,000.00	\$24,202.58	\$35,000.00
Diesel Fuel	1050054-5603-1008	\$87,000.00	\$84,477.26	\$110,000.00
TOTAL		\$197,000.00	\$147,864.44	\$215,000.00

1052052-DEBT SERVICE EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
93 Interest	1052052-5801	\$2,678,441.00	\$1,224,910.96	\$2,351,281.80
93 Principal	1052052-5901	\$3,865,000.00	\$360,000.00	\$4,451,000.00
Emmaus Interest (variable)	1052052-5802	\$500.00	\$124.55	\$0.00
Emmaus Principal	1052052-5903	\$95,000.00	\$95,000.00	\$0.00
Trustee Fee Emmaus Loan	1052052-6106	\$2,100.00	\$2,123.00	\$0.00
Trustee Fee 12	1052052-6120	\$1,885.63	\$0.00	\$0.00
Trustee Fee 15	1052052-6122	\$1,885.63	\$1,650.00	\$1,650.00
Trustee Fee 16	1052052-6123	\$1,750.00	\$0.00	\$0.00
Trustee Fee 17	1052052-6124	\$1,750.00	\$1,650.00	\$1,650.00
Trustee Fee 17A	1052052- 6125	\$1,750.00	\$1,650.00	\$1,650.00
Trustee Fee 17B	1052052-6126	\$2,520.00	\$0.00	\$1,650.00
Trustee Fee 18	1052052-6127	\$1,650.00	\$1,650.00	\$1,650.00
Trustee Fee 20	1052052-6128	\$1,650.00	\$1,650.00	\$1,650.00
Trustee Fee 20A	1052052-XXXX	\$1,650.00	\$0.00	\$1,650.00
Trustee Fee 21	1052052-XXXX	\$1,650.00	\$0.00	\$1,650.00
Trustee Fee 21A	1052052-XXXX	\$1,650.00	\$0.00	\$1,650.00
TOTAL		\$6,655,882.26	\$1,690,408.51	\$6,817,131.80
Total Principal 2022	\$4,451,000			
Total Interest 2022	\$2,351,281.80			
Total Trustee Fees 2022	\$14,850.00			
Total	\$6,817,131.80			

1060019-LABORATORY EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Supervisor Labor	1060019-5001	\$82,846.58	\$59,500.44	\$81,668.00
Regular Labor	1060019-5002	\$140,638.21	\$96,319.82	\$145,209.00
Vac,Sick,Etc.	various	included in above	\$19,064.25	included in above
Overtime	1060019-5003	\$500.00	\$401.17	\$1,000.00
FICA	1060019-5101	\$14,000.00	\$11,027.91	\$14,067.00
Medicare	1060019-5102	\$3,241.00	\$2,578.77	\$3,290.00
Group Health	1060019-5202	\$41,270.00	\$24,398.77	\$38,129.00
Pension	1060019-5203	\$15,317.00	\$11,802.75	\$15,427.00
Small Eq./Tools	1060019-5305	\$250.00	\$105.15	\$250.00
Lab Supplies	1060019-5306	\$22,000.00	\$20,293.27	\$22,000.00
Equipment Maint.	1060019-5501	\$3,000.00	\$1,706.94	\$3,000.00
TOTAL		\$323,062.79	\$247,199.24	\$324,040.00

1060022-TREATMENT PLANT MAINTENANCE EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Supervisor Labor	1060022-5001	\$37,815.00	\$25,867.35	\$38,685.00
Regular Labor	1060022-5002	\$462,062.00	\$273,586.59	\$396,700.00
Vac,Sick,Etc.	various	included in above	\$109,432.87	included in above
Overtime	1060022-5003	\$5,000.00	\$8,309.36	\$8,000.00
FICA	1060022-5101	\$31,000.00	\$23,812.37	\$26,994.00
Medicare	1060022-5102	\$7,250.00	\$5,568.97	\$6,313.00
Group Health	1060022-5202	\$98,577.00	\$94,770.92	\$98,366.00
Pension	1060022-5203	\$26,885.00	\$19,899.53	\$23,704.00
Supplies	1060022-5304	\$5,000.00	\$3,598.44	\$5,000.00
Small Eq/Tools	1060022-5305	\$14,000.00	\$9,384.91	\$14,000.00
Equip.Maintenance	1060022-5501	\$190,000.00	\$180,192.33	\$190,000.00
SCADA maint	1060022-5501-6174	\$40,000.00	\$52,231.65	\$80,000.00
UV maint	1060022-5501-6175	\$55,000.00	\$17,597.14	\$55,000.00
Bldg/Grnds	1060022-5503	\$52,000.00	\$30,314.62	\$90,000.00
Grit Removal	1060022-5508	\$22,000.00	\$32,371.53	\$25,000.00
Oil & Lubes	1060022-5603	\$18,000.00	\$19,849.76	\$25,000.00
Landscape	1060022-7511	\$35,000.00	\$22,504.79	\$30,000.00
Solar/Battery Maint	1060022-5501-6283	\$21,000.00	\$45,022.25	\$58,000.00
TOTAL		\$1,120,589.00	\$974,315.38	\$1,170,762.00
1060023-MAIN STATION EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Labor - Main St.	1060023-5002-B5001	included in Maintenance	\$15,217.05	included in Maintenance
OT - Main St.	1060023-5003-B5001	included in Maintenance	\$0.00	included in Maintenance
FICA - Main St.	1060023-5101-B5001	included in Maintenance	\$943.49	included in Maintenance
Medicare - Main St.	1060023-5102-B5001	included in Maintenance	\$220.70	included in Maintenance
Group Health - Main St.	1060023-5202-B5001	included in Maintenance	\$2,660.63	included in Maintenance
Pension - Main St.	1060023-5203-B5001	included in Maintenance	\$760.75	included in Maintenance
O&M - Main St.	1060023-5505-B5001	\$50,000.00	\$1,508.29	\$75,000.00
Power - Main St.	1060023-5602-B5001	\$39,000.00	\$24,679.36	\$39,000.00
TOTAL		\$89,000.00	\$26,187.65	\$114,000.00

1060025-INDUSTRIAL PRETREATMENT PROGRAM EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Supervisor Labor	1060025-5001	\$81,347.00	\$59,445.15	\$81,668.00
Vac, Sick, Etc.	various	included in above	\$1,660.17	included in above
FICA	1060025-5101	\$5,044.00	\$3,788.63	\$5,063.00
Medicare	1060025-5102	\$1,180.00	\$886.18	\$1,184.00
Group Health	1060025-5202	\$17,162.00	\$13,765.88	\$17,516.00
Pension	1060025-5203	\$8,135.00	\$6,110.46	\$8,167.00
Small Eq/Tools	1060025-5305	\$150.00	\$11.98	\$150.00
Analysis	1060025-5410	\$3,500.00	\$1,590.00	\$2,500.00
Eq. Maintenance	1060025-5501	\$500.00	\$0.00	\$250.00
TOTAL		\$117,018.00	\$87,258.45	\$116,498.00
1060028-BENEFICIAL REUSE EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Supervisor Labor	1060028-5001	\$37,815.00	\$25,867.35	\$38,685.00
Vac, Sick, Etc.	various	included in above	\$1,660.17	included in above
FICA	1060028-5101	\$2,345.00	\$1,706.78	\$2,399.00
Medicare	1060028-5102	\$548.00	\$399.24	\$561.00
Group Health	1060028-5202	\$7,918.00	\$6,136.72	\$8,901.00
Pension	1060028-5203	\$3,782.00	\$2,752.67	\$3,869.00
Operational Supplies	1060028-5304	\$15,000.00	\$4,749.71	\$15,000.00
Small Eq/Tools	1060028-5305	\$1,000.00	\$1,184.89	\$2,000.00
Op. Sup. - Chemicals	1060028-5304-1065	\$375,000.00	\$390,733.66	\$450,000.00
Lab Analysis	1060028-5410	\$15,000.00	\$18,730.00	\$10,000.00
Equip. Maintenance	1060028-5501	\$125,000.00	\$97,442.02	\$150,000.00
Power	1060028-5602-1064	\$200,000.00	\$154,660.35	\$200,000.00
CTWA reimbursement	1060028-5605	\$65,000.00	\$55,479.44	\$70,000.00
TOTAL		\$848,408.00	\$761,503.00	\$951,415.00

1060029-DEWATERING EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Supervisor Labor	1060029-5001	\$37,815.00	\$25,863.20	\$38,685.00
Regular Labor	1060029-5002	\$134,339.00	\$91,758.73	\$139,039.00
Vac,Sick,Etc	various	included in above	\$16,639.93	included in above
Overtime	1060029-5003	\$2,000.00	\$2,557.98	\$3,000.00
FICA	1060029-5101	\$10,674.00	\$8,571.33	\$11,019.00
Medicare	1060029-5102	\$2,496.00	\$2,004.61	\$2,577.00
Group Health	1060029-5202	\$24,956.00	\$31,372.61	\$55,358.00
Pension	1060029-5203	\$10,498.00	\$8,089.16	\$10,820.00
Supplies	1060029-5304	\$500.00	\$139.49	\$500.00
Polymer	1060029-5304-1036	\$55,000.00	\$39,420.00	\$70,000.00
Eq. Maintenance	1060029-5501	\$125,000.00	\$8,790.05	\$175,000.00
Power	1060029-5602-1042	\$73,000.00	\$70,300.16	\$85,000.00
TOTAL		\$476,278.00	\$305,507.25	\$590,998.00
1060030-COMPOST EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Supervisor Labor	1060030-5001	\$37,815.00	\$25,863.20	\$38,685.00
Regular Labor	1060030-5002	\$258,231.00	\$178,189.51	\$266,004.00
Vac,Sick,Etc	various	included in above	\$31,608.67	included in above
Overtime	1060030-5003	\$10,000.00	\$20,604.32	\$24,500.00
FICA	1060030-5101	\$18,355.00	\$16,231.06	\$18,891.00
Medicare	1060030-5102	\$4,293.00	\$3,795.99	\$4,418.00
Group Health	1060030-5202	\$82,230.00	\$39,362.37	\$40,079.00
Pension	1060030-5203	\$16,693.00	\$13,000.25	\$17,169.00
Supplies	1060030-5304	\$2,000.00	\$343.55	\$2,000.00
Compost Amendment	1060030-5304-1038	\$120,000.00	\$76,975.00	\$100,000.00
Small Eq/Tools	1060030-5305	\$2,500.00	\$470.24	\$2,500.00
Licns/Fees	1060030-5409	\$5,500.00	\$6,217.62	\$5,500.00
Analysis	1060030-5410	\$11,500.00	\$7,287.00	\$10,000.00
Marketing	1060030-5413	\$500.00	\$0.00	\$0.00
Eq. Maintenance	1060030-5501	\$50,000.00	\$29,846.36	\$80,000.00
Old Skid Steerer	1060030-5506-1032	\$5,000.00	\$2,529.28	\$5,000.00
Loader Maint.621G	1060030-5506-1033	\$10,000.00	\$3,628.12	\$12,000.00
Loader Maint.621E	1060030-5506-1071	\$10,000.00	\$4,010.13	\$12,000.00
Sweeper Maint.	1060030-5506-1055	\$4,000.00	\$4,283.97	\$5,000.00
Trommel Maint.	1060030-5506-1072	\$5,000.00	\$7,867.33	\$10,000.00
New Skid Steerer	1060030-5506-1062	\$7,500.00	\$13,950.46	\$8,000.00
Power	1060030-5602-1041	\$131,000.00	\$114,504.33	\$155,000.00
Propane/Natural Gas	1060030-5603-1007	\$120,000.00	\$132,059.82	\$170,000.00
Vector Control	1060030-5415	\$4,887.00	\$4,886.50	\$6,121.00
TOTAL		\$917,004.00	\$737,515.08	\$992,867.00

1060032-TREATMENT PLANT OPERATION EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Supervisor Labor	1060032-5001	\$37,815.00	\$25,863.20	\$38,685.00
Regular Labor	1060032-5002	\$623,915.00	\$435,888.90	\$646,941.00
Vac,Sick,Etc.	various	included in above	\$69,087.15	included in above
Overtime	1060032-5003	\$60,000.00	\$48,804.65	\$60,000.00
Shift Labor	1060032-5004	\$12,000.00	\$9,142.87	\$12,000.00
FICA	1060032-5101	\$41,027.00	\$36,767.43	\$42,509.00
Medicare	1060032-5102	\$9,595.00	\$8,598.81	\$9,942.00
Group Health	1060032-5202	\$174,552.00	\$169,978.58	\$214,514.00
Pension	1060032-5203	\$34,977.00	\$23,890.88	\$36,216.00
Supplies	1060032-5304	\$500.00	\$313.13	\$500.00
Alum	1060032-5304-1034	\$200,000.00	\$169,614.91	\$200,000.00
Carbon Supplement	1060032-5304-1070	\$225,000.00	\$210,196.98	\$225,000.00
Stream Monitoring	1060032-5405-1053	\$14,250.00	\$14,250.00	\$14,250.00
Licns/Fees	1060032-5409	\$9,000.00	\$6,102.04	\$9,000.00
Analysis	1060032-5410	\$10,000.00	\$25,473.66	\$20,000.00
Misc.Outside Serv.	1060032-5499	\$40,000.00	\$35,558.25	\$50,000.00
Power	1060032-5602-1043	\$404,000.00	\$444,179.32	\$500,000.00
TOTAL		\$1,896,631.00	\$1,733,710.76	\$2,079,557.00

1070034-INSPECTION EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Supervisor Labor	1070034-5001	\$133,058.00	\$96,031.84	\$137,774.00
Regular Labor	1070034-5002	\$208,723.00	\$131,158.09	\$216,167.00
Vac,Sick,Etc.	various	included in above	\$31,724.98	included in above
Overtime	1070034-5003	\$11,000.00	\$7,632.66	\$11,000.00
FICA	1070034-5101	\$21,190.00	\$17,268.13	\$21,945.00
Medicare	1070034-5102	\$4,956.00	\$4,038.65	\$5,132.00
Group Health	1070034-5202	\$45,470.00	\$40,955.02	\$45,206.00
Pension	1070034-5203	\$23,742.00	\$18,359.58	\$24,586.00
Operational Supplies	1070034-5304	\$1,600.00	\$2,335.67	\$4,000.00
Small Eq./Tools	1070034-5305	\$500.00	\$30.20	\$500.00
TOTAL		\$450,239.00	\$349,534.82	\$466,310.00
1070036-COLLECTION PUMP STATION EXPENSE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Small Eq./Tools	1070036-5305	\$1,000.00	\$243.31	\$1,000.00
Equipment Maintenance	1070036-5501	\$22,000.00	\$1,256.11	\$20,000.00
Pump Station Maint.	1070036-5505	\$70,000.00	\$41,268.19	\$70,000.00
Clusters Maint.	1070036-5505-B5002	\$200.00	\$137.84	\$300.00
North Maint.	1070036-5505-B5003	\$200.00	\$0.00	\$300.00
South Maint.	1070036-5505-B5004	\$200.00	\$137.84	\$300.00
Power	1070036-5602	\$62,000.00	\$43,310.62	\$62,000.00
Clusters Power	1070036-5602-B5002	\$500.00	\$86.41	\$500.00
South Power	1070036-5602-B5004	\$500.00	\$309.62	\$500.00
Pump Station Propane	1070036-5603	\$1,000.00	\$918.43	\$1,200.00
TOTAL		\$157,600.00	\$87,668.37	\$156,100.00

1045921-CIP COLLECTION MAINTENANCE EXPENDITURE DETAIL				
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Meeks Lane Engineering	1045921-5405-6235	\$15,000.00	\$4,664.00	\$432,000.00
Meeks Lane Gravity & Force	1045921-0021-XXXX	\$0.00	\$0.00	\$1,000,000.00
Meeks Lane Pump Station	1045921-5505-XXXX	\$0.00	\$0.00	\$5,200,000.00
Meeks Lane Truck Rental	1045921-ER05-XXXX	\$0.00	\$0.00	\$100,000.00
Meeks Lane Trench Paving	1045921-PV01-XXXX	\$0.00	\$0.00	\$80,000.00
Meeks Lane Bike Path Pav.	1045921-PV02-XXXX	\$0.00	\$0.00	\$100,000.00
N. Oak Lane Project	1045921-0021-XXXX	\$0.00	\$0.00	\$94,000.00
N. Oak Lane Trench Paving	1045921-PV01-XXXX	\$0.00	\$0.00	\$10,000.00
N. Oak Lane Truck Rental	1045921-ER05-XXXX	\$0.00	\$0.00	\$30,000.00
Princeton Dr. Project	1045921-0021-XXXX	\$0.00	\$0.00	\$40,000.00
Princeton Dr. Engineering	1045921-5405-XXXX	\$0.00	\$0.00	\$9,600.00
Princeton Dr. Trench Paving	1045921-PV01-XXXX	\$0.00	\$0.00	\$5,000.00
Shiloh Relocation Eng	1045921-5405-6271	\$5,000.00	\$1,935.95	\$0.00
Shiloh Trench Paving	1045921-PV01-6271	\$25,000.00	\$26,046.52	\$0.00
Shiloh Bike Paving	1045921-PV02-6271	\$65,000.00	\$31,250.00	\$0.00
Shiloh Sm Eq Rental	1045921-ER01-6271	\$5,000.00	\$670.00	\$0.00
Shiloh Upgrade	1045921-0021-6271	\$70,000.00	\$121,903.10	\$0.00
Greenbriar Engineering	1045921-5405-6272	\$10,000.00	\$9,075.00	\$0.00
Greenbriar Project	1045921-0021-6272	\$50,000.00	\$8,931.97	\$0.00
Whitehall Rd Force Main	1045921-0021-6285	\$35,000.00	\$5,681.40	\$0.00
Whitehall Rd Eng	1045921-5405-6310	\$19,200.00	\$15,100.00	\$2,400.00
Whitehall Rd Trench Paving	1045921-PV01-6311	\$15,000.00	\$0.00	\$20,000.00
Scott Rd Upgrade Eng	1045921-5405-6300	\$177,000.00	\$105,591.90	\$66,200.00
Scott Rd Force Main	1045921-0021-6300	\$516,000.00	\$291,311.57	\$100,000.00
Scott Rd PS Upgrade	1045921-5505-6300	\$749,000.00	\$0.00	\$540,900.00
Scott Rd Truck Rental	1045921-ER05-6300	\$75,000.00	\$2,280.00	\$0.00
Scott Rd Trench Paving	1045921-PV01-6300	\$30,000.00	\$0.00	\$30,000.00
Haymarket Project	1045921-0021-6312	\$35,000.00	\$1,417.50	\$0.00
Haymarket Engineering	1045921-5405-6313	\$16,800.00	\$0.00	\$0.00
Haymarket Trench Paving	1045921-PV01-6314	\$17,500.00	\$0.00	\$0.00
UAJA Conduit Project	1045921-0021-6315	\$91,000.00	\$74,858.76	\$173,320.00
UAJA Conduit Engineering	1045921-5405-6316	\$24,000.00	\$51,055.00	\$15,910.00
UAJA Conduit Trench Paving	1045921-PV01-6317	\$25,000.00	\$0.00	\$50,000.00
UAJA Conduit Truck Rental	1045921-ER05-6315	\$0.00	\$0.00	\$30,000.00
TOTAL		\$2,070,500.00	\$751,772.67	\$8,129,330.00
1045922-CIP CONSTRUCTION EQUIPMENT MAINTENANCE EXPENDITURE DETAIL				
BUDGET ITEM		2021 BUDGET	2021 YTD	2022 BUDGET REQUEST
Collection Truck 1 Pymt (3/3)	1045922-0021-6288	\$20,000.00	\$22,668.30	\$0.00
New Unit 22 (1/3)	1045922-0021-6328	\$11,821.00	\$0.00	\$11,821.00
New T-Tag (2/3)	1045922-0021-6329	\$20,860.00	\$0.00	\$0.00
New Jet Truck (1/3)	1045922-0021-6330	\$172,095.00	\$0.00	\$172,095.00
Skid Steer Rockhound	1045922-0021-6331	\$0.00	\$0.00	\$11,000.00
New T-Tag (1/3)	1045922-0021-XXXX	\$0.00	\$0.00	\$28,000.00
TOTAL		\$224,776.00	\$22,668.30	\$222,916.00
Grand Total		\$2,295,276.00	\$774,440.97	\$8,352,246.00

1045919-CIP LABORATORY EXPENDITURE DETAIL					
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2021 BUDGET REQUEST	
BOD Incubator	1045919-0019-6318	\$6,200.00	\$5,682.43	\$0.00	
Analytical Balance	1045919-0019-6319	\$8,500.00	\$8,151.50	\$0.00	
TOTAL		\$14,700.00	\$0.00	\$0.00	
1045924-CIP PLANT MAINTENANCE EXPENDITURE DETAIL					
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST	
ENRAVMT Project	1045924-0024-6256	\$0.00	\$272,366.80	\$0.00	
ENRAVMT Upgrade Eng	1045924-5405-6256	\$0.00	\$0.00	\$0.00	
Solar Phase II Project	1045924-0024-6260	\$98,000.00	\$135,087.07	\$0.00	
Outfall Cascade	1045924-0024-6277	\$0.00	\$0.00	\$0.00	
Outfall Cascade Eng	1045924-5405-6277	\$0.00	\$0.00	\$0.00	
ENRAVMT SCADA	1045924-0024-6291	\$0.00	\$0.00	\$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	\$15,300.00	\$17,272.26	\$0.00	
Plant Truck 3 Pynt (3/3)	1045924-0024-6320	\$10,083.00	\$0.00	\$21,000.00	
New truck w/ Plow (2/2)	1045924-0024-6301	\$22,773.00	\$0.00	\$0.00	
Aeration system repair	1045924-0024-6304	\$725,000.00	\$637,812.56	\$0.00	
UAJA Ent. Road Project	1045924-0024-6322	\$350,404.00	\$2,100.00	\$0.00	
UAJA Ent. Road Project Eng.	1045924-0024-6323	\$22,300.00	\$20,318.86	\$0.00	
Ozone Disinfection Eng	1045924-0024-6324	\$115,000.00	\$166,932.85	\$125,000.00	
Ozone Disinfection Project	1045924-0024-6325	\$4,050,000.00	\$8,078.09	\$4,700,000.00	
Dissolved Phosphorus Study	1045924-0024-6333	\$180,000.00	\$151,875.03	\$65,000.00	
High Voltage Switchgear	1045924-0024-6334	\$1,000,000.00	\$1,092,734.05	\$0.00	
Headworks Building Project	XXXXXX-XXXX-XXXX	\$0.00	\$0.00	\$530,000.00	
TOTAL		\$6,589,080.00	\$2,444,577.37	\$4,911,000.00	
1045928-CIP BENEFICIAL REUSE EXPENDITURE DETAIL					
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST	
MF Membrane replace	1045928-0028-6239	\$90,000.00	\$74,080.00	\$180,000.00	
Harris Reuse Eng	1045928-5405-6261	\$7,280.00	\$7,919.40	\$0.00	
Harris Reuse	1045928-0028-6262	\$20,000.00	\$181,331.79	\$0.00	
Kissinger Meadow Eng.	1045928-5405-6332	\$15,000.00	\$4,585.25	\$50,000.00	
Kissinger Meadow Project	1045928-0028-6332	\$110,000.00	\$10,016.36	\$150,000.00	
TOTAL		\$242,280.00	\$277,932.80	\$380,000.00	
1045928-CIP DEWATERING EXPENDITURE DETAIL					
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST	
TOTAL		\$0.00	\$0.00	\$0.00	
1045930-CIP COMPOST EXPENDITURE DETAIL					
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST	
Odor Control engineering	1045930-5405-6245	\$0.00	\$3,618.59	\$0.00	
Odor Control project	1045930-0030-6245	\$0.00	\$40,789.87	\$0.00	
New Compost Loader 2/3	1045930-0030-6295	\$40,000.00	\$52,331.01	\$0.00	
Biosolids Project Engineering	1045930-0030-6326	\$690,000.00	\$321,994.56	\$491,000.00	
BiosolidsProject	1045930-0030-6327	\$9,600,000.00	\$0.00	\$13,400,000.00	
TOTAL		\$10,330,000.00	\$418,934.03	\$13,891,000.00	
1045931-CIP INDUSTRIAL PRETREATMENT PROGRAM EXPENDITURE DETAIL					
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST	
TOTAL		\$0.00	\$0.00	\$0.00	
1045950-CIP G & A EXPENDITURE DETAIL					
BUDGET ITEM	ACCOUNT NUMBER	2021 BUDGET	2021 YTD	2022 BUDGET REQUEST	
IT System Upgrade- Hardware	1045950-0050-6043	\$90,000.00	\$0.00	\$90,000.00	
IT System Upgrade- Software	1045950-0050-6047	\$100,000.00	\$0.00	\$100,000.00	
IT System Upgrade- Morefield	XXXXXXXX-XXXX-XXXX	\$0.00	\$0.00	\$133,000.00	
IT System Upgrade- Tyler Tech	XXXXXXXX-XXXX-XXXX	\$0.00	\$0.00	\$50,660.00	
IT System Upgrade- Servers	XXXXXXXX-XXXX-XXXX	\$0.00	\$0.00	\$100,000.00	
New Admin SUV	XXXXXX-XXXX-XXXX	\$0.00	\$0.00	\$31,000.00	
TOTAL		\$190,000.00	\$0.00	\$504,660.00	
GRAND TOTAL		\$17,366,010.00	\$3,141,444.20	\$19,686,660.00	
COMBINED CIP GRAND TOTAL		Coil- \$8,352,246.00	Plant/G&A- \$19,686,660.00	\$28,038,906.00	

University Area Joint Authority

1/1/2022

			Current		Renewal		12% rate cap 2022						
			Capital Blue Cross PPO 8000 0/30 RX 0		Capital Blue Cross PPO 8000 0/30 RX 0		Aetna CPOSII 6750 100/50 PY		Aetna CPOSII 5000 100/50 PY		Geisinger All Access HMO 6000 1X 20/40/150		PMHIC Benecon PPO 8000 30/50 200
Total premium	Individual	16	\$806.00		\$904.95		\$545.55		\$555.60		\$780.36		Fixed cost \$416,467.00
	Employee spouse	15	\$1,781.26		\$1,999.97		\$1,324.20		\$1,349.35		\$1,724.62		Maximum claim Fund \$743,285.00
	Parent-child	1	\$1,692.59		\$1,900.42		\$1,244.11		\$1,267.72		\$1,638.77		Fees \$361
	Parent-child(ren)	3	\$1,692.59		\$1,900.42		\$1,244.11		\$1,267.72		\$1,638.77		
	Family	18	\$2,347.08		\$2,635.26		\$1,966.19		\$2,003.79		\$2,272.44		
16													
HRA Risk	37		\$88,632.70		\$99,515.11		\$68,959.66		\$70,268.95		\$85,814.06		\$96,646.00
8000/16000	\$720,000		\$1,063,592.40		\$1,194,181.32		\$827,515.92		\$843,227.40		\$1,029,768.72		\$1,159,752.00
7000/14000	\$630,000												
6750/13500	\$607,500												
6000/12000	\$540,000												
6000/6000	\$318,000				12.3%		-22.2%		-20.7%		-3.2%		9.0%
5000/10000	\$450,000												

University Area Joint Authority

Renewal 1/1/2022

		Current	Renewal						
		Capital Blue Cross PPO 8000 0/30 RX 0	Capital Blue Cross PPO 8000 0/30 RX 0	Aetna CPOSII 6750 100/50 PY	Aetna CPOSII 5000 100/50 PY	Geisinger All Access HMO 6000 1X 20/40/150	PMHIC Benecon PPO 8000 30/50 200		
Total premium	Individual	\$806.00	\$904.95	\$545.55	\$555.60	\$780.36			\$416,467.00
	Employee spouse	\$1,781.26	\$1,999.97	\$1,324.20	\$1,349.35	\$1,724.62	\$0.00		
	Parent-child	\$1,692.59	\$1,900.42	\$1,244.11	\$1,267.72	\$1,638.77		claim Fund	
	Parent-child(ren)	\$1,692.59	\$1,900.42	\$1,244.11	\$1,267.72	\$1,638.77	\$0.00		
	Family	\$2,347.08	\$2,635.26	\$1,966.19	\$2,003.79	\$2,272.44	Fees \$361		
Deductible	Network (2x Fam)	\$8,000	\$8,000	\$6,750	\$5,000	6000 (1X)	\$8,000		\$743,285.00
	Out of network	\$8,000	\$8,000	\$13,500	\$10,000	N/A	\$8,000		
Coinsurance	Network	100% after deductible	100% after deductible	100% after deductible	100% after deductible	100% after deductible	100% after deductible		
	Out of network	50% after deductible	50% after deductible	50% after deductible	50% after deductible	N/A	50% after deductible		
Out-of-pocket maximum	Network (2x Fam)	\$8,550	\$8,550	\$7,750	\$7,150	\$8,700	\$8,550		
	Out of network	\$10,000	\$10,000	\$28,500	\$25,000	N/A	\$10,000		
Emergency room co-pay		\$200	\$200	\$500	\$500	\$150	\$200		
* Hospital Co-Pay		Deductible	Deductible	Deductible	Deductible	Deductible	Deductible		
* High Tec Imaging		\$250 + Ded	\$250 + Ded	Deductible	Deductible	Deductible	\$250 + Ded		
Network office visit	Primary care provider	\$30	\$30	\$35	\$35	\$10 or \$20	\$30		
	Specialist	\$50	\$50	\$70	\$70	\$40	\$50		
Rx Drug Coverage	Retail 31 day supply	\$4/\$15 Generic \$45 Brand \$70 Non-Pref	\$4/\$15 Generic \$45 Brand \$70 Non-Pref	\$3/\$10 Generic \$50 Brand \$80 Non-Pref	\$3/\$10 Generic \$50 Brand \$80 Non-Pref	\$0/\$15 Generic \$45 Brand \$70 Non-Pref	\$4/\$15 Generic \$45 Brand \$70 Non-Pref		
HRA Year to date \$115,000		\$1,063,592.40	\$1,194,181.32 12.3%	\$827,515.92 -22.2%	\$843,227.40 -20.7%	\$1,029,768.72 -3.2%	\$1,159,752.00 9.0%		

CERTIFIED BID TABULATION

University Area Joint Authority
 Plant Effluent Ozone Disinfection Project
 Contract 2021-05: General Construction
 Contract 2021-06: Electrical Construction
 Contract 2021-07: Mechanical Construction

Date of Bids: November 10, 2021

Time of Bids: 10:00 AM

Bids received via the PennBid website

COMPANY	Addendum Acknowledgment		BID BOND	NON-COLLUSION AFFIDAVIT	PUBLIC WORKS EMPLOYMENT VERIFICATION FORM	BASIS OF BID SUPPLEMENT	BASE BID
	No. 1	No. 2					
CONTRACT 2021-05 - GENERAL CONSTRUCTION							
PSI Pumping Solutions 400 Main Street, Suite A York Springs, PA 17372	✓	✓	✓	✓	✓	✓	\$5,448,000.00
Lobar, Inc. One Old Mill Road / PO Box 50 Dillsburg, PA 17019	✓	✓	✓	✓	✓	✓	\$5,727,900.00
GM McCrossin, Inc. 2780 Benner Pike Bellefonte, PA 16823	✓	✓	✓	✓	✓	✓	\$5,803,000.00
HRI, Inc. 1750 West College Avenue State College, PA 16801	✓	✓	✓	✓	✓	✓	\$5,900,000.00
Michael F. Ronca & Sons, Inc. 179 Mikron Road Bethlehem, PA 18020	✓	✓	✓	✓	✓	✓	\$6,121,000.00
CONTRACT 2021-06 - ELECTRICAL CONSTRUCTION							
PSI Pumping Solutions 400 Main Street, Suite A York Springs, PA 17372	✓	✓	✓	✓	✓		\$350,000.00
Bob Biter Electrical Enterprise, Inc. 7776 Admiral Peary Hwy / PO Box 227 Cresson, PA 16630	✓	✓	✓	✓	✓		Withdrawn due to Bid Error
Robert P. Lepley Electrical Contractor 232 Valley Street Lewistown, PA 17044	✓	✓	✓	✓	✓		\$520,000.00
HRI, Inc. 1750 West College Avenue State College, PA 16801	✓	✓	✓	✓	✓		\$521,984.00
Westmoreland Electric Services, LLC 193 Central Road Tarrs, PA 15688	✓	✓	✓	✓	✓		\$597,500.00
CONTRACT 2021-07 - MECHANICAL CONSTRUCTION							
McClure Company 2929 Stewart Drive, Suite 203 State College, PA 16801	✓	✓	✓	✓	✓		\$223,000.00
Myco Mechanical, Inc. 1 N Washington Street Telford, PA 18969	✓	✓	✓	✓	✓		\$288,000.00

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT TABULATION OF BIDS
 RECEIVED November 10, 2021.

Michele Aukerman, PE
 Project Manager

Michael A. Aukerman
 Signature

RETTEW