



UNIVERSITY AREA JOINT AUTHORITY

A G E N D A

Regular Meeting – 4:00 pm - January 18, 2023

- 1. Call to Order**
- 2. Board Reorganization** *(Page 2)*
- 3. Approval of the Minutes:** Regular Meeting- December 21, 2022 *(Page 3)*
- 4. Public Comment**
 - 4.1** Other items not on the agenda
- 5. Old Business**
 - 5.1** Rate Resolution *(Page 39, additional handout found on page 41)*
- 6. New Business**
 - 6.1** Open Records Policy Schedule of Fees *(Page 39)*
 - 6.2** Multi Year Review of Performance of Energy Projects *(Page 39)*
 - 6.3** Requisitions *(Page 39)*
- 7. Reports of Officers**
 - 7.1** Financial Report *(Page 31, YTD Budget Report Page 14)*
 - 7.2** Chairman's Report
 - 7.3** Plant Superintendent's Report *(Page 32, Compost Report Page 33)*
 - 7.4** Collection Systems Superintendent's Report *(Page 34)*
 - 7.5** Consulting Engineer's Report *(Page 35)*
 - 7.6** Construction Engineer Report *(Page 36)*
 - 7.7** Executive Directors Report *(Page 38)*
- 8. Other Business**
- 9. Adjournment**

Annual Board Reorganization 2023

Office	2022	2023
Chair	David Lapinski	
Vice Chair	David Derr	
Secretary	Walter Ebaugh	
Assistant Secretary	Matt Auman	
Treasurer	Daniel Guss	
Assistant Treasurer	Jeff Nucciarone	
Board Member	Tom Daubert	
Board Member	Mark Kunkle	
Board Member	Wesley Glebe	
Board Member	Larry Miles	

Staff and Advisors

Position	Current and proposed	2023
Executive Director	Cory Miller	
Solicitor	Miller, Kistler, Campbell, Miller & Williams, Inc.	
Consulting Engineer	Herbert, Rowland & Grubic, Inc.	
Auditor	Maher Duessel	
Bond Counsel	Mette, Evans & Woodside	
Trustee	US Bank	
Depository General Fund	First Citizens Community Bank	
Depository Payroll	First Citizens Community Bank	
Depository Investment Fund	Pennsylvania Local Government Investment Trust	

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

Regular Meeting – December 21, 2022

Executive Session

1. Call to Order

Mr. Lapinski, Chair, called the regular meeting to order at 4:34 p.m., Wednesday, December 21, 2022. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Lapinski, Nucciarone, Auman, Miles, Guss, Kunkle, and Glebe; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Sierra Weight, Administrative Assistant; Daren Brown, Collection System Superintendent; Art Brant, Plant Superintendent; David Gaines, Solicitor; Jason Wert, Rettew; Michele Aukerman, Rettew; C-NET; Ben Burns, HRG Consulting Engineer; Jeff Garrigan, HRG Consulting Engineer. The following were in attendance via Zoom: Messrs. Daubert, and Derr; Sam Robbins, State College Borough.

2. Reading of the Minutes

UAJA Regular Meeting – November 16, 2022

**UAJA Meeting
Minutes Approved**

A motion was made by Mr. Nucciarone, second by Mr. Miles, to approve the meeting minutes of the UAJA meeting held on November 16, 2022. The motion passed unanimously.

3. Public Comment

3.1 Other items not on the agenda

None.

4. Old Business

None.

5. New Business

5.1 Employee Health Insurance Contract for 2023

Each Year, UAJA solicits proposals for employee health insurance. For 2022, UAJA selected a Geisinger plan. Geisinger included a rate cap of 12 percent with the 2022 proposal. Proposals were received from Geisinger, UPMC, Capital Blue, and Benecon. Service with Geisinger has been outstanding with almost no complaints from employees. While the rate is 12 percent higher, the actual projected impact on UAJA is an increase of 2.76 percent due to changes in premium category (single, employee/spouse, family) over the workforce.

The Benecon program may be a good fit for UAJA in the future, however, at this time the Geisinger program is the best fit for the 2023 budget.

Recommendation: Renew the Employee Health Insurance Contract with Geisinger.

Employee Health Insurance Contract for 2023 Approved

A motion was made by Mr. Miles, second by Mr. Nucciarone, to approve the Employee Health Insurance Contract for 2023. The motion passed, with one abstention from Mr. Kunkle.

5.2 Property Insurance and Workers Compensation Insurance Contract for 2023

Approximately every five years UAJA solicits proposals for property insurance and workers compensation insurance. The insured values are also updated to reflect current replacement costs. Both property insurance and workers compensation insurance are currently through Selective Insurance. Service has been very good through several complicated claims. Aside from Selective, a proposal from Cincinnati Insurance, and a proposal from Susquehanna for only the workers compensation insurance were received. Renewal with Selective increases the cost by 26,355 (8.3%) primarily due to an increase in replacement value of insured assets.

Recommendation: Renew the property insurance and workers compensation insurance to Selective Insurance for the amount of \$344,731.00.

Property Insurance and Workers Compensation Insurance Contract for 2023 Approved

A motion was made by Mr. Guss, second by Mr. Auman, to approve the Property Insurance and Workers Compensation Insurance Contract for 2023. The motion passed, with one abstention from Mr. Kunkle.

5.3 2023 Budget

A draft of the 2023 budget is included in the board packet. The budget subcommittee met with staff on December 13, 2022, to review the initial draft budget. Suggestions made by the committee have been incorporated into this final draft. The proposed budget recommends increasing the capacity (EDU) rate from \$104 per quarter to \$108 per quarter effective the second quarter of 2023. Staff will present the draft budget and answer questions from the Board.

Recommendation: Approve the 2023 Budget as presented.

2023 Budget Approved

A motion was made by Mr. Guss, second by Mr. Nucciarone to approve the 2023 budget. The motion passed, with Mr. Kunkle voting nay.

5.4 2023 Capacity (EDU) Rate Increase

The Budget includes an increase to the capacity (EDU) rate to cover the additional revenue requirements caused by State College Borough electing to withhold a portion of the amount billed by UAJA each quarter. By increasing the capacity rate from \$104 per EDU per quarter to \$108 per EDU per quarter, sufficient revenue will be generated to meet the debt service coverage required by the

revenue bond indenture. Staff recommends implementing the rate increase effective April 1, which is the start of the second quarter billing period.

Recommendation: Increase the capacity (EDU) rate from \$104 per EDU per quarter to \$108 per EDU per quarter effective April 1, 2023.

5.5 2023 Bulk Treatment Rate

At the November meeting a study was presented indicating that the bulk rate for treatment only should increase from \$5287 per million gallons to \$5375 per million gallons. The bulk treatment rate applies to a few customers that have grandfathered agreements requiring billing to be based on gallons treated, as well as to customers when a surcharge is applied for excessive volume.

Recommendation: Increase the Bulk Treatment rate from \$5287 per million gallons to \$5375 per million gallons, effective January 1, 2023.

**2023 Bulk
Treatment Rate
Approved**

A motion was made by Mr. Kunkle, second by Mr. Auman, to approve the 2023 Bulk Treatment Rate. The motion passed unanimously.

5.6 Rate Resolution

The 2023 Rate resolution is included in the agenda report for adoption. It reflects the changes to tapping fees adopted in October 2022, and the rate increases from Items 5.4 and 5.5.

Recommendation: Adopt the Rate Resolution as presented.

**Rate Resolution
Tabled**

Board members tabled the Rate Resolution discussion until the January 2023 meeting.

5.7 2023 Meeting Dates

Meeting dates proposed for 2023 continue with the 3rd Wednesday of each month. Specifically:

January 18	July 19
February 15	August 16
March 15	September 20
April 19	October 18
May 17	November 15
June 21	December 20

Recommendation: Approve the 2023 meeting dates as submitted.

**2023 Meeting Dates
Approved**

A motion was made by Mr. Derr, second by Mr. Miles, to approve the 2023 Meeting Dates. The motion passed unanimously.

5.8 Final Design: Canterbury Crossing Phases 3 & 4

Final design drawings for the Canterbury Crossing Phases 3 & 4 sewer extension (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 26 EDUs. The review comments have been addressed.

Recommendation: Approve the drawings as submitted

**Final Design:
 Canterbury Crossing
 Phases 3 & 4
 Approved**

A motion was made by Mr. Glebe, second by Mr. Derr, to approve the Final Design: Canterbury Crossing Phases 3 & 4. The motion passed unanimously.

5.9 CPI Apprenticeship Program

UAJA and the Central Pennsylvania Institute of Science and Technology (CPI) have been working on a partnership that would involve UAJA utilizing apprentices that have previously graduated from/are ready to graduate from CPI’s Wastewater Program. A brief overview of the apprenticeship program will be presented at the meeting.

Recommendation: Approve UAJA’s involvement with CPI’s apprenticeship program.

5.10 Requisitions

BRIF #747	HRG Scott Road Pump Station Project	\$3,267.50
BRIF #748	Rettew Phosphorus Study	\$5,497.35
BRIF #749	Tyler Technologies MUNIS Services	\$43,160.00
TOTAL BRIF-		\$51,924.85

BRIF Approved

A motion was made by Mr. Kunkle, second by Mr. Miles to approve BRIF #747, #748, and #749, in the amount of \$51,924.85. The motion passed unanimously.

Construction Fund #060	Rettew Ozone Disinfection Project	\$3,542.00
Construction Fund #061	Rettew Solids Drying Project	\$14,356.69
Construction Fund #062	PSI Pumping Solutions Ozone Disinfection Project Pay App. #6 (G)	\$257,479.83

TOTAL 2020 A CONSTRUCTION FUND

\$275,378.52

Construction Fund Approved

A motion was made by Mr. Nucciarone, second by Mr. Guss to approve Construction Fund #060, #061 and #062, in the amount of \$275,378.52. The motion passed unanimously.

Revenue Fund #191 Debt Service, Operation and Maintenance Expenses \$1,000,000.00

TOTAL REVENUE FUND **\$1,000,000.00**

Total Revenue Fund Approved

A motion was made by Mr. Auman, second by Mr. Nucciarone to approve Revenue Fund #191, in the amount of \$1,000,000. The motion passed unanimously.

6. Reports to Officers

6.1 Financial Report

The different cost centers of the YTD budget report for the period ending November 30, 2022, were reviewed with the Board by Jason Brown.

6.2 Chairman’s Report

Dave Lapinski would like to provide his ongoing thanks to the staff and board for their efforts made in 2022.

6.3 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>June 2022</u>	<u>July 2022</u>	<u>Aug. 2022</u>	<u>Sept. 2022</u>	<u>Oct. 2022</u>	<u>Nov. 2022</u>
Production	760 cu/yds.	632 cu/yds.	805 cu/yds.	689 cu/yds.	722 cu/yds.	856 cu/yds.
YTD. Production	5,015 cu/yds.	5,647 cu/yds.	6,452 cu/yds.	7,237.5 cu/yds.	8,009.5 cu/yds.	8,865.5 cu/yds.
Distribution	733 cu/yds.	718 cu/yds.	975 cu/yds.	728.5 cu/yds.	743 cu/yds.	769 cu/yds.
YTD. Distribution	4,687 cu/yds.	5,405 cu/yds.	6,380 cu/yds.	7,108.5 cu/yds.	7,851.5 cu/yds.	8,620.5 cu/yds.

Immediate Sale	973 cu/yds.	1,015 cu/yds.	672 cu/yds.	805 cu/yds.	791 cu/yds.	794 cu/yds.
Currently in Storage	1,733 cu/yds.	1,647 cu/yds.	1,477 cu/yds.	1,494 cu/yds.	1,563 cu/yds.	1,650 cu/yds.

SEPTAGE OPERATIONS

	<u>June 2022</u>	<u>July 2022</u>	<u>Aug. 2022</u>	<u>Sept. 2022</u>	<u>Oct. 2022</u>	<u>Nov. 2022</u>
Res./Comm.	68,775 gals.	64,400 gals.	75,200 gals.	77,850 gals.	73,350 gals.	17,800 gals.
CH/Potter	1943.22 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids
Port Matilda	1,505.37 lbs/solids	1,192.62 lbs/solids	1,705.53 lbs/solids	1,301.04 lbs/solids	1,029.29 lbs/solids	1,138.41 lbs/solids
Huston Twp.	500.40 lbs/solids	583.80 lbs/solids	383.64 lbs/solids	567.12 lbs/solids	550.44 lbs/solids	467.04 lbs/solids
Total Flow	106,775 gals.	84,400 gals.	97,700 gals.	98,850 gals.	94,350 gals.	36,800 gals.

Plant Operation

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for November was 4.13mgd with the average for the month being 3.67mgd. The average monthly **inluent** flow was 5.13mgd. Treatment units online are as follows: primary clarifiers #1, #2, #5 and #6; aeration basins #2 and #3; secondary clarifiers #1, #2, and #3; all eight tertiary filters are online.

Below is the chart for Reuse Distribution and Temperature Data:

	Nov -22	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	31,000	408,000		
Centre Hills	1,086,000	29,473,000	Nov -22	Nov -22
Cintas	594,000	5,871,000	66.5	66.5
Red Line	337,000	4,819,000		
UAJA Wetland	4,394,000	27,203,000		
GDK Vault	36,854,000	230,888,000		
Elks	169,000	8,468,000		
Kissingers	2,246,000	21,993,000		
Stewarts/M.C.	1,000	47,330		
TOTAL	45,712,000	331,416,330		

Plant Maintenance

- Replaced the water line to HP-12.
- Repaired Primary Flight Drive on Tank #3 and Tank #4.
- Replaced motor in the rooftop ventilator for the compressor room in AWT.
- Replaced a spool on MF#4, and AV-5 on MF#3.
- Replaced the motor bearings in RO Feed Pump #2. Geiger Associates aligned the pump.
- Centre Hills has ceased water usage for the year.
- Replaced zero-speed switch on short auger on #2 Centrifuge.

- Replaced the fan coupling, contactor and gas line in MAU-1304.
- Replaced the burner in MAU-1303.
- Replaced Tuthill Blower #2.
- Replaced the Action Pack and PLC power supply in Compressor #1.

6.4 Collection Systems Superintendent’s Report

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

Mainline Maintenance:

Replaced 511ft of Mainline in Toftrees (Parkgate Apt)
Replaced 70 ft of Mainline on Cardinal Dr (Water Main break)
New Laterals – 0
Mainline Cleaning – 8021 ft cleaned/cut with root cutter
Mainline televising – 17670 ft televised - 117 manholes inspected

Lift Station Maintenance:

Cleaned (10) wet wells
Completed oil changes at lift stations (pumps and generators)
Rebuilt (1) E-one Extreme grinder pump

Next Month Projects:

Brushing backlot sewer mains
Continue televising older subdivisions
Flushing mainlines
Restoration of digs
Have a crew rebuild valves at the Plant

Inspection:

Final As-Builts Approved: (1) Penn State Village Phase 16A

Mainline Construction:

- a. Whitehall Regional Park – Waiting on final As-Builts
- b. Evergreen Heights- 75% Complete
- c. Toftrees West (Mount Nittany Medical Center) 50% Complete

New Connections:

a. Single-Family Residential	4	c. Commercial	1
b. Multi-Family Residential	0	d. Non-Residential	0

TOTAL 5

PA One-Calls Responded to Nov. 1 thru Nov. 30, 2022: 216

6.5 Consulting Engineer’s Report

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

Odor Control System Upgrades (R001178.0597)

- High differential pressures were being experienced on Cell #3. The manufacturer recommended that the top 12 inches of media be shovel tilled. This work has been scheduled for January.

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

- An alternative pump station location near Waddle was conceptualized and a cost estimate was prepared and submitted to staff for review.
- The proposed implementation schedule has been temporarily removed from the report until a more accurate projection can be developed.

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

- Final tie-in and pump station start-up occurred on December 1st and 2nd.
- Preliminary substantial completion was issued to the General Contractor along with a punch list of items to be completed.
- The Electrical Contractor continues to be delayed by the delivery of the generator.
- There are no applications for payment this month.
- Change proposal requests have been received from both Contractors and are summarized below. HRG will be meeting with UAJA’s inspector to review the supporting documentation.

Scott Road Pump Station Upgrade – Summary of Applications for Payment

Change Proposal No.	General Description	Cost Impact	Time Impact
Contract 2021-03			
3	PennDOT Impact	\$40,865.01	Not Stated
4	Building Code Inspection Delay	\$4,593.45	Not Stated
5	Wet Well Concrete Dowels	\$7,699.02	Not Stated
6	Eye Bolts for chains and cables	\$6,026.51	Not Stated
Contract 2021-04			
2	Backboard Foundation Footings	\$13,495.87	Not Stated
3	Increase Pad Thickness for Controls	\$4,977.05	Not Stated

- Both Contractors have submitted time extension requests. A decision regarding these requests is

being withheld until the work is substantially complete.

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

- HRG has been participating in meetings regarding the rate study.

Borough of State College Act 537 Special Study Impact Review (P001178.0717)

- HRG is available to assist with further analysis, if necessary.

Developer Plan Reviews:

- Village at Penn State, Phase 16 (R001178.0718): As-built drawings were recommended for approval on November 8, 2022.
- Grays Woods – Grays Pointe Phase 7A (R001178.0719): Design drawings reviewed, and comments were submitted to the Developer’s Engineer on November 15, 2022. A re-submission has not been made.
- Canterbury Crossing, Phase 3&4 (R001179.0720): Design drawings were recommended for approval on December 12, 2022.

6.6 Construction Report

WWTP NPDES Permit – Phosphorus Study (094612027)

- Continuous in-stream monitoring of Spring Creek wrapped up at the end of October. We are compiling data for review with DEP.

Phosphorus Study Project Schedule

Milestone	Date
Complete stream monitoring and compile data	November-December 2022
Review final data with PADEP	January 2023
Conduct High Temperature/Low Flow Monitoring if needed	TBD

Ozone Disinfection for Effluent (094612023)

- Continuation of submittal submission/reviews, with all major equipment processed.
- General Contractor has completed the majority of the masonry, structural steel, and roofing for the new Ozone Building.
- General Contractor has begun pouring concrete for the new Ozone Tank.
- Control Building roof has been replaced.
- Minor additional work underway such as HVAC improvements in the AWT Building.

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
2021-05 GC	6	\$257,479.83	\$5,448,000.00	\$2,217,009.43	40.69%	\$3,452,691.52
2021-06 EC			\$350,000.00	\$38,316.75	10.95%	\$315,514.93
2021-07 MC			\$223,000.00	\$29,601.32	13.27%	\$196,358.81
		\$257,479.83	\$6,021,000.00	\$2,284,927.50	37.95%	\$3,736,072.50

Contract 2021-05 (PSI) has submitted Application for Payment No.6 in the amount of \$257,479.83. We recommend payment in the amount of \$257,479.83.

Ozone Disinfection for Effluent Project Schedule

Milestone	Date
Notice to Proceed Issued	12/27/2021
Substantial Completion	03/27/2023

Anaerobic Digestion Project (094612026)

- We are preparing the appropriate forms to obtain plan approval from the PADEP Bureau of Air Quality to include all new potential sources of emissions from the project.
- RETTEW is completing the final design of the new Waste Receiving and Dryer Buildings, along with the remainder of the process drawings and specifications.
- A tour of a nearby co-digestion and RNG facility will be held at a later date for interested Board members and staff.
- Guidance on the Prevailing Wage Requirements under the Inflation Reduction Act related to the Investment Tax Credit has been published and is under review to determine all bidding requirements.
- RETTEW is preparing the application to the Commonwealth Financing Agency (CFA) for the COVID-19 ARPA H2O PA Grant program, due December 21st. This application will request a \$20 million grant for the project. However, in order to be eligible to receive the grant funds, construction contracts cannot be awarded prior to the CFA meeting at which grants are awarded. It is our understanding that this meeting could occur as early as March 2023 but is likely to occur in July 2023. To comply with this grant timeframe, we have updated the project schedule below, as well as provided some additional interim milestones:

Anaerobic Digestion Project Schedule

Milestone	Date
Updated Biogas Term Sheets and Biosolids Agreements to Stakeholders	Week of December 12 th
Submission of Land Development Plan to Centre County	Week of January 23 rd
Submission to Benner Township Building Code	Week of March 6 th
Complete Bidding Documents/Advertise for Bids	March 6, 2023
Early CFA Meeting Grant Announcement	March 2023
Bids Due for Construction	May 1, 2023
Late CFA Meeting Grant Announcement/Bid Award	July 2023
Bid Expiration (120 Days)	September 2023
Begin Construction	August 2023
Complete Construction	December 2024

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.

6.7 Executive Director’s Report

None.

7. Other Business

A brief discussion of board member terms and reappointment.

8. Adjournment

A motion was made by Mr. Nucciarone, second by Mr. Auman to adjourn the meeting at 5:35 pm. The motion was passed unanimously.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary

DRAFT

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12								
ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL	
1040410 REVENUE-SEWER	-15,212,532	0	-15,212,532	-11,740,037.52	.00	-3,472,494.48	77.2%	
1040420 REVENUE-SOLIDS	-50,500	0	-50,500	-108,788.60	.00	58,288.60	215.4%	
1040425 REVENUE-BU WATER	-20,000	0	-20,000	-23,548.00	.00	3,548.00	117.7%	
1040430 MAINTENANCE	-65,000	0	-65,000	-54,814.00	.00	-10,186.00	84.3%	
1040440 REVENUE-PERMIT/TAP FEES	-2,388,527	0	-2,388,527	-2,880,971.82	.00	492,444.82	120.6%	
1040450 REVENUE-ADVCD. CONSTR FEE	-40,000	0	-40,000	-34,427.43	.00	-5,572.57	86.1%	
1040451 REVENUE-MISC. REIMBURSEMNT	-20,000	0	-20,000	-28,907.86	.00	8,907.86	144.5%	
1040470 INTEREST EARNINGS-CASH ACCT	-710	0	-710	-1,085.78	.00	375.78	152.9%	
1040472 INTEREST EARNINGS-PLIGIT	-80	0	-80	-117.68	.00	37.68	147.1%	
1040474 INTEREST EARNINGS - TRUSTEE	-103,200	0	-103,200	-16,647.69	.00	-86,552.31	16.1%	
1040480 REVENUES-MISCELLANEOUS	-125,240	0	-125,240	-156,855.19	.00	31,615.19	125.2%	
1045921 CIP-COLLECTION MAINT I&I	8,129,330	0	8,129,330	1,025,918.73	.00	7,103,411.27	12.6%	
1045922 CIP-COLLECTION-CONST. EQUIP	222,916	0	222,916	568,361.48	.00	-345,445.48	255.0%	
1045924 CIP-WWTP-PHYSICAL PLANT	5,441,000	0	5,441,000	1,934,843.06	.00	3,506,156.94	35.6%	
1045928 CIP-BENEFICIAL REUSE	380,000	0	380,000	20,225.00	.00	359,775.00	5.3%	
1045930 CIP-WWTP-COMPOST FACILITY	13,891,000	0	13,891,000	614,354.11	.00	13,276,645.89	4.4%	
1045950 CIP-GENERAL & ADMINISTRATIV	504,660	0	504,660	32,162.90	.00	472,497.10	6.4%	
1050050 GENERAL & ADMINISTRATIVE	1,770,768	0	1,770,768	2,056,287.65	.00	-285,519.65	116.1%	
1050053 G & A - INFORMATION TECHNOL	110,000	0	110,000	93,638.62	.00	16,361.38	85.1%	
1050054 G & A - FLEET/FUEL	215,000	0	215,000	246,471.59	.00	-31,471.59	114.6%	
1052052 DEBT SERVICE	6,817,132	0	6,817,132	6,592,912.03	.00	224,219.77	96.7%	
1060019 WWTP - LABORATORY	324,040	0	324,040	303,049.78	.00	20,990.22	93.5%	
1060022 TREATMENT PLANT MAINTENANCE	1,170,762	0	1,170,762	1,255,440.46	.00	-84,678.46	107.2%	
1060023 MAIN STATION	114,000	0	114,000	69,284.55	.00	44,715.45	60.8%	
1060025 WWTP - IPP	116,498	0	116,498	101,494.45	.00	15,003.55	87.1%	
1060028 WWTP - BENEFICIAL REUSE	951,415	0	951,415	1,261,513.41	.00	-310,098.41	132.6%	
1060029 WWTP - DEWATERING	590,998	0	590,998	592,471.04	.00	-1,473.04	100.2%	
1060030 WWTP - COMPOST	992,867	0	992,867	968,625.89	.00	24,241.11	97.6%	
1060032 TREATMENT PLANT OPERATION	2,079,557	0	2,079,557	2,612,999.93	.00	-533,442.93	125.7%	
1070021 COLLECTION-MAINTENANCE	1,846,553	0	1,846,553	1,983,031.96	.00	-136,478.96	107.4%	
1070022 CONSTRUCT EQUIP MAINTENANCE	86,000	0	86,000	60,719.10	.00	25,280.90	70.6%	
1070034 COLLECTION-INSPECTION	466,310	0	466,310	509,557.14	.00	-43,247.14	109.3%	
1070036 COLLECTION-PUMP STATION	156,100	0	156,100	109,260.10	.00	46,839.90	70.0%	
TOTAL OPERATING FUND	28,351,117	0	28,351,117	7,966,421.41	.00	20,384,695.39	28.1%	
TOTAL REVENUES	-18,025,789	0	-18,025,789	-15,046,201.57	.00	-2,979,587.43		
TOTAL EXPENSES	46,376,906	0	46,376,906	23,012,622.98	.00	23,364,282.82		

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FOR 2022 12

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
GRAND TOTAL	28,351,117	0	28,351,117	7,966,421.41	.00	20,384,695.39	28.1%

** END OF REPORT - Generated by Sierra weight **

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12								
ACCOUNTS FOR:	ORIGINAL	TRANFRS/	REVISED				AVAILABLE	PCT
10 OPERATING FUND	APPROP	ADJSTMTS	BUDGET	YTD	ACTUAL	ENCUMBRANCES	BUDGET	USE/COL
1040410 REVENUE-SEWER								
1040410 4101 UAJA TOTAL SEWER R	-10,418,532	0	-10,418,532	-7,924,673.88		.00	-2,493,858.12	76.1%*
1040410 4102 BORO SEWER TOTAL R	-4,100,000	0	-4,100,000	-3,408,440.82		.00	-691,559.18	83.1%*
1040410 4103 PGM TOTAL SEWER RE	-379,000	0	-379,000	-257,436.08		.00	-121,563.92	67.9%*
1040410 4104 PSU TOTAL SEWER RE	-190,000	0	-190,000	-64,050.74		.00	-125,949.26	33.7%*
1040410 4105 SURCHARGES TOTAL R	-125,000	0	-125,000	-85,436.00		.00	-39,564.00	68.3%*
TOTAL REVENUE-SEWER	-15,212,532	0	-15,212,532	-11,740,037.52		.00	-3,472,494.48	77.2%
1040420 REVENUE-SOLIDS								
1040420 4201 N5001 NONTAXABLE	-22,500	0	-22,500	-43,384.00		.00	20,884.00	192.8%
1040420 4201 N5002 TAXABLE COMPO	-3,000	0	-3,000	-8,967.35		.00	5,967.35	298.9%
1040420 4203 SLUDGE DISPOSAL	-25,000	0	-25,000	-56,437.25		.00	31,437.25	225.7%
TOTAL REVENUE-SOLIDS	-50,500	0	-50,500	-108,788.60		.00	58,288.60	215.4%
1040425 REVENUE-BU WATER								
1040425 4251 REVENUE-BU WATER	-20,000	0	-20,000	-23,548.00		.00	3,548.00	117.7%
TOTAL REVENUE-BU WATER	-20,000	0	-20,000	-23,548.00		.00	3,548.00	117.7%
1040430 MAINTENANCE								
1040430 4301 REVENUE-MAINT BORO	-65,000	0	-65,000	-54,814.00		.00	-10,186.00	84.3%*
TOTAL MAINTENANCE	-65,000	0	-65,000	-54,814.00		.00	-10,186.00	84.3%
1040440 REVENUE-PERMIT/TAP FEES								
1040440 4401 PERMIT/CONNECTION	-20,000	0	-20,000	-16,400.00		.00	-3,600.00	82.0%*
1040440 4402 TAP FEE-TREATMENT	-2,154,960	0	-2,154,960	-2,800,506.30		.00	645,546.30	130.0%

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ACCOUNTS FOR: 10	OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
1040440	4403 GHANER TAP FEE	-13,846	0	-13,846	-4,816.00	.00	-9,030.00	34.8%*
1040440	4404 TAP FEE-PGM COLLEC	-2,214	0	-2,214	-11,070.00	.00	8,856.00	500.0%
1040440	4405 IPP USER FEES	-3,800	0	-3,800	-3,800.00	.00	.00	100.0%
1040440	4409 WATER QUALITY MNGT	-500	0	-500	-500.00	.00	.00	100.0%
1040440	4410 REPAIR PERMIT	-1,500	0	-1,500	-1,375.00	.00	-125.00	91.7%*
1040440	4411 TAP FEE - ROUTE 26	-121,475	0	-121,475	-25,425.00	.00	-96,050.00	20.9%*
1040440	4412 CIRCLEVILLE TAP FE	-43,327	0	-43,327	-7,136.22	.00	-36,190.78	16.5%*
1040440	4413 VALLEY VISTA TAP F	-26,905	0	-26,905	-9,943.30	.00	-16,961.70	37.0%*
TOTAL REVENUE-PERMIT/TAP FEES		-2,388,527	0	-2,388,527	-2,880,971.82	.00	492,444.82	120.6%

1040450 REVENUE-ADVCD. CONSTRC FEE

1040450	4407 INSPECTION FEES	-40,000	0	-40,000	-8,271.98	.00	-31,728.02	20.7%*
1040450	4407 B5045 INSPECTION FE	0	0	0	-4,942.19	.00	4,942.19	100.0%
1040450	4407 B5342 HAWK RIDGE	0	0	0	-1,995.16	.00	1,995.16	100.0%
1040450	4407 B5387 CANTERBURY CR	0	0	0	-2,865.18	.00	2,865.18	100.0%
1040450	4407 B5473 INSPECTION FE	0	0	0	-2,772.04	.00	2,772.04	100.0%
1040450	4407 B5476 INSPECTION FE	0	0	0	-2,138.68	.00	2,138.68	100.0%
1040450	4407 B5478 INSPECTION FE	0	0	0	-9,172.15	.00	9,172.15	100.0%
1040450	4407 B5479 INSPECTION FE	0	0	0	-2,270.05	.00	2,270.05	100.0%
TOTAL REVENUE-ADVCD. CONSTRC FEE		-40,000	0	-40,000	-34,427.43	.00	-5,572.57	86.1%

1040451 REVENUE-MISC. REIMBURSEMNT

1040451	4503 EMPLOYEE GROUP INS	-20,000	0	-20,000	-28,057.86	.00	8,057.86	140.3%
1040451	4508 SALE OF ASSETS	0	0	0	-850.00	.00	850.00	100.0%
TOTAL REVENUE-MISC. REIMBURSEMNT		-20,000	0	-20,000	-28,907.86	.00	8,907.86	144.5%

1040470 INTEREST EARNINGS-CASH ACCTS

1040470	4701 GENERAL CHECKING-I	-10	0	-10	-671.71	.00	661.71	6717.1%
1040470	4702 PAYROLL-INTEREST E	-200	0	-200	-85.27	.00	-114.73	42.6%*
1040470	4717 SWEEP CHECKING-INT	-500	0	-500	-328.80	.00	-171.20	65.8%*
TOTAL INTEREST EARNINGS-CASH ACCTS		-710	0	-710	-1,085.78	.00	375.78	152.9%

1040472 INTEREST EARNINGS-PLIGIT

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ACCOUNTS FOR:		ORIGINAL	TRANFRS/	REVISED			AVAILABLE	PCT	
10	OPERATING FUND	APPROP	ADJSTMTS	BUDGET	YTD	ACTUAL	ENCUMBRANCES	BUDGET	USE/COL
1040472	4703	PLIGIT-INTEREST EA	-30	0	-30	-16.86	.00	-13.14	56.2%*
1040472	4719	PLIGIT PLUS - INTE	-50	0	-50	-100.82	.00	50.82	201.6%
TOTAL INTEREST EARNINGS-PLIGIT		-80	0	-80	-117.68	.00	.00	37.68	147.1%
1040474 INTEREST EARNINGS - TRUSTEE									
1040474	4706	BOND REMP/IMP-INTE	-20,000	0	-20,000	2,226.88	.00	-22,226.88	-11.1%*
1040474	4707	BRIF/EMMAUS-INTERE	0	0	0	-.57	.00	.57	100.0%
1040474	4724	INTEREST 93 DEBT S	-75,000	0	-75,000	-17,843.69	.00	-57,156.31	23.8%*
1040474	4725	INT 93 OPERATING E	-2,000	0	-2,000	-12.15	.00	-1,987.85	.6%*
1040474	4726	INT 93 DEBT SERVIC	-5,000	0	-5,000	-122.08	.00	-4,877.92	2.4%*
1040474	4727	INT REVENUE FUND	-500	0	-500	-147.49	.00	-352.51	29.5%*
1040474	4733	2020A CONSTRUCTION	-300	0	-300	-343.89	.00	43.89	114.6%
1040474	4734	2021 CONSTRUCTION	-400	0	-400	-404.70	.00	4.70	101.2%
TOTAL INTEREST EARNINGS - TRUSTEE		-103,200	0	-103,200	-16,647.69	.00	.00	-86,552.31	16.1%
1040480 REVENUES-MISCELLANEOUS									
1040480	4899	MISCELLANEOUS RECE	-3,000	0	-3,000	-71,402.09	.00	68,402.09	2380.1%
1040480	4909	SOLAR MAINTENANCE	-60,000	0	-60,000	-30,000.00	.00	-30,000.00	50.0%*
1040480	4910	SREC	-62,240	0	-62,240	-55,453.10	.00	-6,786.90	89.1%*
TOTAL REVENUES-MISCELLANEOUS		-125,240	0	-125,240	-156,855.19	.00	.00	31,615.19	125.2%
1045921 CIP-COLLECTION MAINT I&I									
1045921	0021	6247 MEEKS LANE	1,000,000	0	1,000,000	.00	.00	1,000,000.00	.0%
1045921	0021	6300 CAPITAL IN PRO	100,000	0	100,000	70,885.08	.00	29,114.92	70.9%
1045921	0021	6315 UAJA CONDUIT P	173,320	0	173,320	.00	.00	173,320.00	.0%
1045921	0021	6336 CAPITAL IN PRO	94,000	0	94,000	102,501.29	.00	-8,501.29	109.0%*
1045921	0021	6337 PRINCETON DRIV	40,000	0	40,000	15,026.91	.00	24,973.09	37.6%
1045921	5405	6247 MEEKS LANE	432,000	0	432,000	38,250.00	.00	393,750.00	8.9%
1045921	5405	6271 SHILOH RELOCAT	0	0	0	125.00	.00	-125.00	100.0%*
1045921	5405	6300 SCOTT ROAD UPG	66,200	0	66,200	28,058.37	.00	38,141.63	42.4%
1045921	5405	6310 WHITEHALL ROAD	2,400	0	2,400	2,400.00	.00	.00	100.0%

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ACCOUNTS FOR: 10	OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
1045921	5405 6316 UAJA CONDUIT E	15,910	0	15,910	.00	.00	15,910.00	.0%
1045921	5405 6337 PRINCETON DRIV	9,600	0	9,600	9,000.00	.00	600.00	93.8%
1045921	5505 6247 MEEKS LANE	5,200,000	0	5,200,000	.00	.00	5,200,000.00	.0%
1045921	5505 6300 PUMP STATION M	540,900	0	540,900	711,014.83	.00	-170,114.83	131.5%*
1045921	ER05 6247 MEEKS LANE	100,000	0	100,000	.00	.00	100,000.00	.0%
1045921	ER05 6300 RENTAL-TRUCK	0	0	0	3,966.25	.00	-3,966.25	100.0%*
1045921	ER05 6335 UAJA CONDUIT T	30,000	0	30,000	.00	.00	30,000.00	.0%
1045921	ER05 6336 RENTAL-TRUCK	30,000	0	30,000	23,375.00	.00	6,625.00	77.9%
1045921	PV01 6247 MEEKS LANE	80,000	0	80,000	.00	.00	80,000.00	.0%
1045921	PV01 6300 PAVING CONTRAC	30,000	0	30,000	21,316.00	.00	8,684.00	71.1%
1045921	PV01 6311 WHITEHALL ROAD	20,000	0	20,000	.00	.00	20,000.00	.0%
1045921	PV01 6317 UAJA CONDUIT T	50,000	0	50,000	.00	.00	50,000.00	.0%
1045921	PV01 6336 PAVING CONTRAC	10,000	0	10,000	.00	.00	10,000.00	.0%
1045921	PV01 6337 PRINCETON DRIV	5,000	0	5,000	.00	.00	5,000.00	.0%
1045921	PV02 6247 MEEKS LANE	100,000	0	100,000	.00	.00	100,000.00	.0%
TOTAL CIP-COLLECTION MAINT I&I		8,129,330	0	8,129,330	1,025,918.73	.00	7,103,411.27	12.6%
1045922 CIP-COLLECTION-CONST. EQUIPM								
1045922	0021 6328 NEW UNIT 22	11,821	0	11,821	31,549.00	.00	-19,728.00	266.9%*
1045922	0021 6330 NEW JET TRUCK	172,095	0	172,095	457,541.44	.00	-285,446.44	265.9%*
1045922	0021 6331 SKID STEER ROC	11,000	0	11,000	10,957.84	.00	42.16	99.6%
1045922	0021 6343 NEW T-TAG (1/3	28,000	0	28,000	68,313.20	.00	-40,313.20	244.0%*
TOTAL CIP-COLLECTION-CONST. EQUIPM		222,916	0	222,916	568,361.48	.00	-345,445.48	255.0%
1045924 CIP-WWTP-PHYSICAL PLANT								
1045924	0024 6320 5000 LB FORKLI	21,000	0	21,000	29,001.63	.00	-8,001.63	138.1%*
1045924	0024 6321 NEW TRUCK WITH	0	0	0	7,233.15	.00	-7,233.15	100.0%*
1045924	0024 6324 OZONE DISINFEC	125,000	0	125,000	43,857.37	.00	81,142.63	35.1%
1045924	0024 6325 OZONE DISINFEC	4,700,000	0	4,700,000	1,798,954.91	.00	2,901,045.09	38.3%
1045924	0024 6333 DISSOLVED PHOS	65,000	0	65,000	51,796.00	.00	13,204.00	79.7%
1045924	0024 6334 HIGH VOLTAGE S	0	0	0	4,000.00	.00	-4,000.00	100.0%*
1045924	0024 6338 HEADWORKS BUIL	530,000	0	530,000	.00	.00	530,000.00	.0%
TOTAL CIP-WWTP-PHYSICAL PLANT		5,441,000	0	5,441,000	1,934,843.06	.00	3,506,156.94	35.6%
1045928 CIP-BENEFICIAL REUSE								
1045928	0028 6239 MF MEMBRANE RE	180,000	0	180,000	.00	.00	180,000.00	.0%

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12									
ACCOUNTS FOR:	ORIGINAL	TRANFRS/	REVISED				AVAILABLE	PCT	
10 OPERATING FUND	APPROP	ADJSTMNTS	BUDGET	YTD	ACTUAL	ENCUMBRANCES	BUDGET	USE/COL	
1045928 0028 6262 WATERLINE PH 2	0	0	0	19,500.00		.00	-19,500.00	100.0%*	
1045928 0028 6332 KISSINGER MEAD	150,000	0	150,000	.00		.00	150,000.00	.0%	
1045928 5405 6261 WATERLINE PH 2	0	0	0	725.00		.00	-725.00	100.0%*	
1045928 5405 6332 KISSINGER MEAD	50,000	0	50,000	.00		.00	50,000.00	.0%	
TOTAL CIP-BENEFICIAL REUSE	380,000	0	380,000	20,225.00		.00	359,775.00	5.3%	
1045930 CIP-WWTP-COMPOST FACILITY									
1045930 0030 6326 SOLIDS DRYING	491,000	0	491,000	609,926.11		.00	-118,926.11	124.2%*	
1045930 0030 6327 SOLIDS DRYING	13,400,000	0	13,400,000	.00		.00	13,400,000.00	.0%	
1045930 5405 6245 ODOR CONTROL E	0	0	0	4,428.00		.00	-4,428.00	100.0%*	
TOTAL CIP-WWTP-COMPOST FACILITY	13,891,000	0	13,891,000	614,354.11		.00	13,276,645.89	4.4%	
1045950 CIP-GENERAL & ADMINISTRATIVE									
1045950 0050 6043 COMPUTER HARDW	90,000	0	90,000	10,184.45		.00	79,815.55	11.3%	
1045950 0050 6047 COMPUTER SOFTW	100,000	0	100,000	16,895.98		.00	83,104.02	16.9%	
1045950 0050 6339 IT SYSTEM UPGR	133,000	0	133,000	1,582.47		.00	131,417.53	1.2%	
1045950 0050 6340 IT SYSTEM UPGR	50,660	0	50,660	3,500.00		.00	47,160.00	6.9%	
1045950 0050 6341 IT SYSTEM UPGR	100,000	0	100,000	.00		.00	100,000.00	.0%	
1045950 0050 6342 NEW ADMIN SUV	31,000	0	31,000	.00		.00	31,000.00	.0%	
TOTAL CIP-GENERAL & ADMINISTRATIVE	504,660	0	504,660	32,162.90		.00	472,497.10	6.4%	
1050050 GENERAL & ADMINISTRATIVE									
1050050 5001 SUPERVISOR LABOR	268,222	0	268,222	228,367.05		.00	39,854.95	85.1%	
1050050 5002 REGULAR LABOR	300,368	0	300,368	332,108.81		.00	-31,740.81	110.6%*	
1050050 5006 VACATION	0	0	0	72,662.65		.00	-72,662.65	100.0%*	
1050050 5007 SICK	0	0	0	43,506.25		.00	-43,506.25	100.0%*	
1050050 5008 PERSONAL	0	0	0	8,109.91		.00	-8,109.91	100.0%*	
1050050 5009 JURY/CIVIL/VOLUNTE	0	0	0	1,593.67		.00	-1,593.67	100.0%*	
1050050 5010 HOLIDAY	0	0	0	27,949.93		.00	-27,949.93	100.0%*	
1050050 5101 FICA EXPENSE	35,253	0	35,253	40,345.78		.00	-5,092.78	114.4%*	
1050050 5102 MEDICARE EXPENSE	8,245	0	8,245	9,605.89		.00	-1,360.89	116.5%*	
1050050 5201 UNEMPLOYMENT EXPEN	25,000	0	25,000	19,355.72		.00	5,644.28	77.4%	

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FOR 2022 12			ORIGINAL	TRANFRS/	REVISED		AVAILABLE	PCT	
ACCOUNTS FOR:	OPERATING FUND	APPROP	ADJSTMTS	BUDGET	YTD ACTUAL	ENCUMBRANCES	BUDGET	USE/COL	
1050050	5202	GROUP HEALTH INSUR	154,603	0	154,603	142,517.40	.00	12,085.60	92.2%
1050050	5203	PENSION (401) UAJA	56,859	0	56,859	66,168.62	.00	-9,309.62	116.4%*
1050050	5205	COBRA EMPLOYEE INS	20,000	0	20,000	28,627.66	.00	-8,627.66	143.1%*
1050050	5207	GROUP LIFE INSURAN	100,000	0	100,000	111,428.11	.00	-11,428.11	111.4%*
1050050	5208	HEALTH DEDUCTIBLE	175,000	0	175,000	166,223.94	.00	8,776.06	95.0%
1050050	5301	OFFICE SUPPLIES	15,000	0	15,000	14,815.01	.00	184.99	98.8%
1050050	5302	POSTAGE/SHIPPING	30,000	0	30,000	35,905.79	.00	-5,905.79	119.7%*
1050050	5303	JANITORIAL SUPPLIE	7,000	0	7,000	5,179.54	.00	1,820.46	74.0%
1050050	5307	PETTY CASH EXPENDI	200	0	200	244.52	.00	-44.52	122.3%*
1050050	5401	ADVERTISING	3,000	0	3,000	641.60	.00	2,358.40	21.4%
1050050	5402	AUDIT	22,500	0	22,500	22,410.88	.00	89.12	99.6%
1050050	5405	ENGINEERING-RETAIN	1,000	0	1,000	1,000.00	.00	.00	100.0%
1050050	5406	LEGAL	60,000	0	60,000	86,025.28	.00	-26,025.28	143.4%*
1050050	5408	INSURANCE - COMMER	325,102	0	325,102	365,641.00	.00	-40,539.00	112.5%*
1050050	5499	MISCELLANEOUS OUTS	20,000	0	20,000	65,051.36	.00	-45,051.36	325.3%*
1050050	5501	1054 O & M - COPIER	7,500	0	7,500	7,652.92	.00	-152.92	102.0%*
1050050	5601	COMMUNICATIONS	40,000	0	40,000	54,635.94	.00	-14,635.94	136.6%*
1050050	5701	TRAINING, SEMINARS	15,000	0	15,000	12,794.97	.00	2,205.03	85.3%
1050050	5702	MEMBERSHIPS, SUBSC	8,000	0	8,000	11,015.49	.00	-3,015.49	137.7%*
1050050	5703	UNIFORMS-BOOTS-GLO	22,000	0	22,000	15,970.23	.00	6,029.77	72.6%
1050050	5704	VACCINATIONS	8,000	0	8,000	3,082.00	.00	4,918.00	38.5%
1050050	5706	EMPLOYEE/EMPLOYER	2,500	0	2,500	7,511.38	.00	-5,011.38	300.5%*
1050050	5707	MEAL ALLOWANCE	500	0	500	100.27	.00	399.73	20.1%
1050050	5708	SAFETY EQUIPMENT	8,000	0	8,000	8,747.83	.00	-747.83	109.3%*
1050050	5709	SAFETY TRAINING	3,000	0	3,000	824.89	.00	2,175.11	27.5%
1050050	5710	DRUG/ALCOHOL TESTI	1,000	0	1,000	1,213.00	.00	-213.00	121.3%*
1050050	6006	MISCELLANEOUS EXPE	1,000	0	1,000	1,828.17	.00	-828.17	182.8%*
1050050	6007	BANK FEES/CHARGES	0	0	0	190.00	.00	-190.00	100.0%*
1050050	6015	WATER-CTWA	8,000	0	8,000	20,585.10	.00	-12,585.10	257.3%*
1050050	6017	GARBAGE	10,000	0	10,000	5,798.09	.00	4,201.91	58.0%
1050050	6019	CNET	8,916	0	8,916	8,851.00	.00	65.00	99.3%
TOTAL GENERAL & ADMINISTRATIVE			1,770,768	0	1,770,768	2,056,287.65	.00	-285,519.65	116.1%
1050053 G & A - INFORMATION TECHNOLOGY									
1050053	IT71	INTERNET SERVICE	5,000	0	5,000	5,988.03	.00	-988.03	119.8%*
1050053	IT72	HARDWARE-DATA PROC	34,000	0	34,000	19,856.10	.00	14,143.90	58.4%
1050053	IT73	SOFTWARE-DATA PROC	70,000	0	70,000	67,794.49	.00	2,205.51	96.8%
1050053	IT74	IT MOBILE	1,000	0	1,000	.00	.00	1,000.00	.0%
TOTAL G & A - INFORMATION TECHNOLOGY			110,000	0	110,000	93,638.62	.00	16,361.38	85.1%
1050054 G & A - FLEET/FUEL									

UNIVERSITY AREA JOINT AUTHORITY

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12									
ACCOUNTS FOR:		ORIGINAL	TRANFRS/	REVISED			AVAILABLE	PCT	
10	OPERATING FUND	APPROP	ADJSTMTS	BUDGET	YTD ACTUAL	ENCUMBRANCES	BUDGET	USE/COL	
1050054	5502 VEHICLE MAINTENANC	70,000	0	70,000	54,622.17	.00	15,377.83	78.0%	
1050054	5603 1006 GASOLINE.	35,000	0	35,000	42,059.04	.00	-7,059.04	120.2%*	
1050054	5603 1008 DIESEL FUEL	110,000	0	110,000	149,790.38	.00	-39,790.38	136.2%*	
TOTAL G & A - FLEET/FUEL		215,000	0	215,000	246,471.59	.00	-31,471.59	114.6%	
1052052 DEBT SERVICE									
1052052	5801 INTEREST PAID-1993	2,351,282	0	2,351,282	2,177,622.03	.00	173,659.77	92.6%	
1052052	5901 PRINCIPAL PAID-199	4,451,000	0	4,451,000	4,401,000.00	.00	50,000.00	98.9%	
1052052	6122 2015 TRUSTEE FEES	1,650	0	1,650	1,650.00	.00	.00	100.0%	
1052052	6124 TRUSTEE FEE 2017	1,650	0	1,650	.00	.00	1,650.00	.0%	
1052052	6125 TRUSTEE FESS 2017A	1,650	0	1,650	1,750.00	.00	-100.00	106.1%*	
1052052	6126 TRUSTEE FEE 2017B	1,650	0	1,650	2,640.00	.00	-990.00	160.0%*	
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%	
1052052	6129 TRUSTEE FEE 20A	1,650	0	1,650	1,650.00	.00	.00	100.0%	
1052052	6130 TRUSTEE FEE 21	1,650	0	1,650	1,650.00	.00	.00	100.0%	
1052052	6131 TRUSTEE FEE 21A	1,650	0	1,650	1,650.00	.00	.00	100.0%	
TOTAL DEBT SERVICE		6,817,132	0	6,817,132	6,592,912.03	.00	224,219.77	96.7%	
1060019 WWTP - LABORATORY									
1060019	5001 SUPERVISOR LABOR	81,668	0	81,668	68,273.18	.00	13,394.82	83.6%	
1060019	5001 6344 OIL SPILL	0	0	0	257.88	.00	-257.88	100.0%*	
1060019	5002 REGULAR LABOR	145,209	0	145,209	110,318.63	.00	34,890.37	76.0%	
1060019	5003 OVERTIME LABOR	1,000	0	1,000	1,036.82	.00	-36.82	103.7%*	
1060019	5006 VACATION	0	0	0	9,006.23	.00	-9,006.23	100.0%*	
1060019	5007 SICK	0	0	0	7,893.56	.00	-7,893.56	100.0%*	
1060019	5008 PERSONAL DAY	0	0	0	1,147.14	.00	-1,147.14	100.0%*	
1060019	5009 JURY/CIVIL/VOLUNTE	0	0	0	149.67	.00	-149.67	100.0%*	
1060019	5010 HOLIDAY	0	0	0	4,315.79	.00	-4,315.79	100.0%*	
1060019	5101 FICA EXPENSE	14,067	0	14,067	13,060.66	.00	1,006.34	92.8%	
1060019	5102 MEDICARE EXPENSE	3,290	0	3,290	3,054.57	.00	235.43	92.8%	
1060019	5202 GROUP HEALTH INSUR	38,129	0	38,129	34,913.30	.00	3,215.70	91.6%	
1060019	5203 PENSION (401) UAJA	15,427	0	15,427	15,862.12	.00	-435.12	102.8%*	
1060019	5305 SMALL EQUIPMT/TOOL	250	0	250	134.85	.00	115.15	53.9%	
1060019	5306 LAB SUPPLIES	22,000	0	22,000	26,688.93	.00	-4,688.93	121.3%*	

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12								
ACCOUNTS FOR:	ORIGINAL	TRANFRS/	REVISED				AVAILABLE	PCT
10 OPERATING FUND	APPROP	ADJSTMNTS	BUDGET	YTD	ACTUAL	ENCUMBRANCES	BUDGET	USE/COL
1060019 5501 EQUIPMENT MAINTENA	3,000	0	3,000	6,936.45		.00	-3,936.45	231.2%*
TOTAL WWTP - LABORATORY	324,040	0	324,040	303,049.78		.00	20,990.22	93.5%
1060022 TREATMENT PLANT MAINTENANCE								
1060022 5001 SUPERVISOR LABOR	38,685	0	38,685	67,409.71		.00	-28,724.71	174.3%*
1060022 5002 REGULAR LABOR	396,700	0	396,700	301,440.35		.00	95,259.65	76.0%
1060022 5002 B5001 REGULAR LABOR	0	0	0	297.57		.00	-297.57	100.0%*
1060022 5003 OVERTIME LABOR	8,000	0	8,000	4,515.34		.00	3,484.66	56.4%
1060022 5006 VACATION	0	0	0	49,853.87		.00	-49,853.87	100.0%*
1060022 5007 SICK	0	0	0	45,087.81		.00	-45,087.81	100.0%*
1060022 5008 PERSONAL DAY	0	0	0	10,869.40		.00	-10,869.40	100.0%*
1060022 5009 JURY/CIVIL/VOLUNTE	0	0	0	3,183.25		.00	-3,183.25	100.0%*
1060022 5010 HOLIDAY	0	0	0	18,606.35		.00	-18,606.35	100.0%*
1060022 5101 FICA EXPENSE	26,994	0	26,994	32,231.77		.00	-5,237.77	119.4%*
1060022 5102 MEDICARE EXPENSE	6,313	0	6,313	7,537.81		.00	-1,224.81	119.4%*
1060022 5202 GROUP HEALTH INSUR	98,366	0	98,366	102,374.71		.00	-4,008.71	104.1%*
1060022 5202 B5001 GROUP HEALTH	0	0	0	71.07		.00	-71.07	100.0%*
1060022 5203 PENSION (401) UAJA	23,704	0	23,704	32,876.90		.00	-9,172.90	138.7%*
1060022 5304 OPERATIONAL SUPPLI	5,000	0	5,000	5,212.92		.00	-212.92	104.3%*
1060022 5305 SMALL EQUIPMT/TOOL	14,000	0	14,000	13,719.21		.00	280.79	98.0%
1060022 5501 EQUIPMENT MAINTENA	190,000	0	190,000	182,366.77		.00	7,633.23	96.0%
1060022 5501 6174 SCADIA MAINT	80,000	0	80,000	68,681.76		.00	11,318.24	85.9%
1060022 5501 6175 UV MAINT	55,000	0	55,000	26,567.61		.00	28,432.39	48.3%
1060022 5501 6283 SOLAR MAINTENA	58,000	0	58,000	96,247.17		.00	-38,247.17	165.9%*
1060022 5503 BUILDING & GROUND	90,000	0	90,000	105,868.47		.00	-15,868.47	117.6%*
1060022 5508 GRIT REMOVAL-PLANT	25,000	0	25,000	18,623.79		.00	6,376.21	74.5%
1060022 5603 FUEL, OIL, LUBRICA	25,000	0	25,000	26,560.83		.00	-1,560.83	106.2%*
1060022 7511 LANDSCAPE	30,000	0	30,000	35,236.02		.00	-5,236.02	117.5%*
TOTAL TREATMENT PLANT MAINTENANCE	1,170,762	0	1,170,762	1,255,440.46		.00	-84,678.46	107.2%
1060023 MAIN STATION								
1060023 5002 B5001 REGULAR LABOR	0	0	0	18,855.30		.00	-18,855.30	100.0%*
1060023 5101 B5001 FICA EXPENSE	0	0	0	1,169.07		.00	-1,169.07	100.0%*
1060023 5102 B5001 MEDICARE EXPE	0	0	0	273.44		.00	-273.44	100.0%*
1060023 5202 B5001 GROUP HEALTH	0	0	0	2,959.31		.00	-2,959.31	100.0%*
1060023 5203 B5001 PENSION (401)	0	0	0	1,119.09		.00	-1,119.09	100.0%*

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12		ORIGINAL	TRANFRS/	REVISED			AVAILABLE	PCT
ACCOUNTS FOR:	OPERATING FUND	APPROP	ADJSTMNTS	BUDGET	YTD ACTUAL	ENCUMBRANCES	BUDGET	USE/COL
1060023	5505 B5001 PUMP STATION	75,000	0	75,000	14,367.34	.00	60,632.66	19.2%
1060023	5602 B5001 O&M MAIN STAT	39,000	0	39,000	30,541.00	.00	8,459.00	78.3%
TOTAL MAIN STATION		114,000	0	114,000	69,284.55	.00	44,715.45	60.8%
1060025 WWTP - IPP								
1060025	5001 SUPERVISOR LABOR	81,668	0	81,668	68,228.03	.00	13,439.97	83.5%
1060025	5001 6344 OIL SPILL	0	0	0	278.50	.00	-278.50	100.0%*
1060025	5006 VACATION	0	0	0	2,691.62	.00	-2,691.62	100.0%*
1060025	5007 SICK	0	0	0	358.74	.00	-358.74	100.0%*
1060025	5009 JURY/CIVIL/VOLUNTE	0	0	0	149.27	.00	-149.27	100.0%*
1060025	5010 HOLIDAY	0	0	0	1,187.96	.00	-1,187.96	100.0%*
1060025	5101 FICA EXPENSE	5,063	0	5,063	4,518.15	.00	544.85	89.2%
1060025	5102 MEDICARE EXPENSE	1,184	0	1,184	1,056.65	.00	127.35	89.2%
1060025	5202 GROUP HEALTH INSUR	17,516	0	17,516	14,800.16	.00	2,715.84	84.5%
1060025	5203 PENSION (401) UAJA	8,167	0	8,167	7,287.38	.00	879.62	89.2%
1060025	5305 SMALL EQUIPMT/TOOL	150	0	150	.00	.00	150.00	.0%
1060025	5410 ANALYSIS	2,500	0	2,500	50.00	.00	2,450.00	2.0%
1060025	5501 EQUIPMENT MAINTENA	250	0	250	887.99	.00	-637.99	355.2%*
TOTAL WWTP - IPP		116,498	0	116,498	101,494.45	.00	15,003.55	87.1%
1060028 WWTP - BENEFICIAL REUSE								
1060028	5001 SUPERVISOR LABOR	38,685	0	38,685	23,640.44	.00	15,044.56	61.1%
1060028	5006 VACATION	0	0	0	2,691.62	.00	-2,691.62	100.0%*
1060028	5007 SICK	0	0	0	358.74	.00	-358.74	100.0%*
1060028	5009 JURY/CIVIL/VOLUNTE	0	0	0	149.27	.00	-149.27	100.0%*
1060028	5010 HOLIDAY	0	0	0	1,187.96	.00	-1,187.96	100.0%*
1060028	5101 FICA EXPENSE	2,399	0	2,399	1,737.70	.00	661.30	72.4%
1060028	5102 MEDICARE EXPENSE	561	0	561	406.33	.00	154.67	72.4%
1060028	5202 GROUP HEALTH INSUR	8,901	0	8,901	5,518.05	.00	3,382.95	62.0%
1060028	5203 PENSION (401) UAJA	3,869	0	3,869	2,802.80	.00	1,066.20	72.4%
1060028	5304 OPERATIONAL SUPPLI	15,000	0	15,000	13,098.25	.00	1,901.75	87.3%
1060028	5304 1065 OPERATIONAL SU	450,000	0	450,000	623,748.33	.00	-173,748.33	138.6%*
1060028	5305 SMALL EQUIPMT/TOOL	2,000	0	2,000	1,330.16	.00	669.84	66.5%
1060028	5410 LAB ANALYSIS	10,000	0	10,000	14,134.76	.00	-4,134.76	141.3%*
1060028	5501 EQUIPMENT MAINTENA	150,000	0	150,000	377,018.08	.00	-227,018.08	251.3%*
1060028	5602 1064 POWER	200,000	0	200,000	135,270.67	.00	64,729.33	67.6%

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
1060028 5605 CTWA REIMBURSE	70,000	0	70,000	58,420.25	.00	11,579.75	83.5%
TOTAL WWTP - BENEFICIAL REUSE	951,415	0	951,415	1,261,513.41	.00	-310,098.41	132.6%

1060029 WWTP - DEWATERING

1060029 5001 SUPERVISOR LABOR	38,685	0	38,685	23,640.44	.00	15,044.56	61.1%
1060029 5002 REGULAR LABOR	139,039	0	139,039	94,657.48	.00	44,381.52	68.1%
1060029 5003 OVERTIME LABOR	3,000	0	3,000	8,883.62	.00	-5,883.62	296.1%*
1060029 5004 SHIFT LABOR	0	0	0	153.75	.00	-153.75	100.0%*
1060029 5006 VACATION	0	0	0	11,625.09	.00	-11,625.09	100.0%*
1060029 5007 SICK	0	0	0	6,478.05	.00	-6,478.05	100.0%*
1060029 5008 PERSONAL	0	0	0	1,788.44	.00	-1,788.44	100.0%*
1060029 5009 JURY/CIVIL/VOLUNTE	0	0	0	420.39	.00	-420.39	100.0%*
1060029 5010 HOLIDAY	0	0	0	5,962.96	.00	-5,962.96	100.0%*
1060029 5101 FICA EXPENSE	11,019	0	11,019	10,315.55	.00	703.45	93.6%
1060029 5102 MEDICARE EXPENSE	2,577	0	2,577	2,412.42	.00	164.58	93.6%
1060029 5202 GROUP HEALTH INSUR	55,358	0	55,358	49,161.18	.00	6,196.82	88.8%
1060029 5203 PENSION (401) UAJA	10,820	0	10,820	9,386.29	.00	1,433.71	86.7%
1060029 5304 OPERATIONAL SUPPLI	500	0	500	92.95	.00	407.05	18.6%
1060029 5304 1036 POLYMER	70,000	0	70,000	98,478.00	.00	-28,478.00	140.7%*
1060029 5501 EQUIPMENT MAINTENA	175,000	0	175,000	207,527.73	.00	-32,527.73	118.6%*
1060029 5602 1042 POWER-DEWATERI	85,000	0	85,000	61,486.70	.00	23,513.30	72.3%
TOTAL WWTP - DEWATERING	590,998	0	590,998	592,471.04	.00	-1,473.04	100.2%

1060030 WWTP - COMPOST

1060030 5001 SUPERVISOR LABOR	38,685	0	38,685	23,640.44	.00	15,044.56	61.1%
1060030 5002 REGULAR LABOR	266,004	0	266,004	206,813.87	.00	59,190.13	77.7%
1060030 5003 OVERTIME LABOR	24,500	0	24,500	51,477.78	.00	-26,977.78	210.1%*
1060030 5006 VACATION	0	0	0	26,500.37	.00	-26,500.37	100.0%*
1060030 5007 SICK	0	0	0	8,945.86	.00	-8,945.86	100.0%*
1060030 5008 PERSONAL	0	0	0	2,991.83	.00	-2,991.83	100.0%*
1060030 5009 JURY/CIVIL/VOLUNTE	0	0	0	1,612.54	.00	-1,612.54	100.0%*
1060030 5010 HOLIDAY	0	0	0	15,041.21	.00	-15,041.21	100.0%*
1060030 5101 FICA EXPENSE	18,891	0	18,891	21,591.09	.00	-2,700.09	114.3%*
1060030 5102 MEDICARE EXPENSE	4,418	0	4,418	5,049.47	.00	-631.47	114.3%*
1060030 5202 GROUP HEALTH INSUR	40,079	0	40,079	49,952.19	.00	-9,873.19	124.6%*
1060030 5203 PENSION (401) UAJA	17,169	0	17,169	14,814.21	.00	2,354.79	86.3%

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12

ACCOUNTS FOR: 10	OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
1060030	5304 OPERATIONAL SUPPLI	2,000	0	2,000	1,147.05	.00	852.95	57.4%
1060030	5304 1038 COMPOST AMEND	100,000	0	100,000	89,676.50	.00	10,323.50	89.7%
1060030	5305 SMALL EQUIPMT/TOOL	2,500	0	2,500	2,863.34	.00	-363.34	114.5%*
1060030	5409 LICENSE & FEES	5,500	0	5,500	4,921.97	.00	578.03	89.5%
1060030	5410 LAB ANALYSIS	10,000	0	10,000	6,022.00	.00	3,978.00	60.2%
1060030	5415 VECTOR CONTROL	6,121	0	6,121	12,240.38	.00	-6,119.38	200.0%*
1060030	5501 EQUIPMENT MAINTENA	80,000	0	80,000	57,629.56	.00	22,370.44	72.0%
1060030	5506 1032 SKID STEER 184	5,000	0	5,000	882.33	.00	4,117.67	17.6%
1060030	5506 1033 FRONT END LOAD	12,000	0	12,000	12,045.84	.00	-45.84	100.4%*
1060030	5506 1055 STREET SWEEPER	5,000	0	5,000	3,409.10	.00	1,590.90	68.2%
1060030	5506 1062 CAT SKID STEER	8,000	0	8,000	14,925.34	.00	-6,925.34	186.6%*
1060030	5506 1071 LOADER MAINT 6	12,000	0	12,000	13,850.76	.00	-1,850.76	115.4%*
1060030	5506 1072 TROMMEL	10,000	0	10,000	818.64	.00	9,181.36	8.2%
1060030	5602 1041 POWER-COMPOST	155,000	0	155,000	110,676.02	.00	44,323.98	71.4%
1060030	5603 1007 NATURAL GAS -	170,000	0	170,000	209,086.20	.00	-39,086.20	123.0%*
TOTAL WWTP - COMPOST		992,867	0	992,867	968,625.89	.00	24,241.11	97.6%

1060032 TREATMENT PLANT OPERATION

1060032	5001 SUPERVISOR LABOR	38,685	0	38,685	23,640.44	.00	15,044.56	61.1%
1060032	5002 REGULAR LABOR	646,941	0	646,941	511,640.09	.00	135,300.91	79.1%
1060032	5003 OVERTIME LABOR	60,000	0	60,000	161,210.89	.00	-101,210.89	268.7%*
1060032	5004 SHIFT LABOR	12,000	0	12,000	11,033.22	.00	966.78	91.9%
1060032	5006 VACATION	0	0	0	23,013.04	.00	-23,013.04	100.0%*
1060032	5007 SICK	0	0	0	21,119.57	.00	-21,119.57	100.0%*
1060032	5008 PERSONAL DAY	0	0	0	10,454.25	.00	-10,454.25	100.0%*
1060032	5009 JURY/CIVIL/VOLUNTE	0	0	0	1,841.10	.00	-1,841.10	100.0%*
1060032	5010 HOLIDAY	0	0	0	26,638.42	.00	-26,638.42	100.0%*
1060032	5101 FICA EXPENSE	42,509	0	42,509	49,341.09	.00	-6,832.09	116.1%*
1060032	5102 MEDICARE EXPENSE	9,942	0	9,942	11,539.48	.00	-1,597.48	116.1%*
1060032	5202 GROUP HEALTH INSUR	214,514	0	214,514	222,470.57	.00	-7,956.57	103.7%*
1060032	5203 PENSION (401) UAJA	36,216	0	36,216	27,609.92	.00	8,606.08	76.2%
1060032	5304 OPERATION SUPPLIES	500	0	500	.00	.00	500.00	.0%
1060032	5304 1034 ALUM	200,000	0	200,000	233,781.17	.00	-33,781.17	116.9%*
1060032	5304 1070 CARBON SUPPLEM	225,000	0	225,000	458,233.16	.00	-233,233.16	203.7%*
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	12,425.00	.00	-3,425.00	138.1%*
1060032	5410 ANALYSIS	20,000	0	20,000	24,498.56	.00	-4,498.56	122.5%*
1060032	5499 MISCELLANEOUS OUTS	50,000	0	50,000	28,183.67	.00	21,816.33	56.4%
1060032	5602 1043 POWER-PLANT	500,000	0	500,000	740,076.29	.00	-240,076.29	148.0%*
TOTAL TREATMENT PLANT OPERATION		2,079,557	0	2,079,557	2,612,999.93	.00	-533,442.93	125.7%

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ACCOUNTS FOR:	ORIGINAL	TRANFRS/	REVISED	YTD	ENCUMBRANCES	AVAILABLE	PCT
10 OPERATING FUND	APPROP	ADJSTMTS	BUDGET	ACTUAL		BUDGET	USE/COL
1070021 COLLECTION-MAINTENANCE							
1070021 5001 SUPERVISOR LABOR	137,774	0	137,774	114,155.31	.00	23,618.69	82.9%
1070021 5001 6344 OIL SPILL	0	0	0	614.50	.00	-614.50	100.0%*
1070021 5002 REGULAR LABOR	1,047,000	0	1,047,000	579,084.65	.00	467,915.35	55.3%
1070021 5002 6028 REGULAR LABOR	0	0	0	1,885.05	.00	-1,885.05	100.0%*
1070021 5002 6172 REGULAR LABOR	0	0	0	66,366.93	.00	-66,366.93	100.0%*
1070021 5002 6300 REGULAR LABOR	0	0	0	102,816.21	.00	-102,816.21	100.0%*
1070021 5002 6336 N OAK LANE	0	0	0	109,786.71	.00	-109,786.71	100.0%*
1070021 5002 6344 OIL SPILL	0	0	0	2,019.79	.00	-2,019.79	100.0%*
1070021 5002 B5002 REGULAR LABOR	0	0	0	8,781.50	.00	-8,781.50	100.0%*
1070021 5002 B5003 REGULAR LABOR	0	0	0	8,845.95	.00	-8,845.95	100.0%*
1070021 5002 B5004 REGULAR LABOR	0	0	0	8,717.16	.00	-8,717.16	100.0%*
1070021 5002 B5045 REGULAR LABOR	0	0	0	1,466.04	.00	-1,466.04	100.0%*
1070021 5002 B5465 FERGUSON TWP	0	0	0	127.31	.00	-127.31	100.0%*
1070021 5002 B5476 REGULAR LABOR	0	0	0	637.80	.00	-637.80	100.0%*
1070021 5002 B5478 REGULAR LABOR	0	0	0	2,709.98	.00	-2,709.98	100.0%*
1070021 5002 B5479 REGULAR LABOR	0	0	0	565.79	.00	-565.79	100.0%*
1070021 5002 B5482 REGULAR LABOR	0	0	0	731.42	.00	-731.42	100.0%*
1070021 5002 B5483 REGULAR LABOR	0	0	0	907.68	.00	-907.68	100.0%*
1070021 5002 B5484 REGULAR LABOR	0	0	0	552.95	.00	-552.95	100.0%*
1070021 5003 OVERTIME LABOR	25,000	0	25,000	23,117.57	.00	1,882.43	92.5%
1070021 5004 SHIFT LABOR	0	0	0	11.25	.00	-11.25	100.0%*
1070021 5006 VACATION	0	0	0	74,850.87	.00	-74,850.87	100.0%*
1070021 5007 SICK	0	0	0	78,909.72	.00	-78,909.72	100.0%*
1070021 5008 PERSONAL	0	0	0	15,572.44	.00	-15,572.44	100.0%*
1070021 5009 JURY/CIVIL/VOLUNTE	0	0	0	3,248.84	.00	-3,248.84	100.0%*
1070021 5010 HOLIDAY	0	0	0	53,930.82	.00	-53,930.82	100.0%*
1070021 5101 FICA EXPENSE	73,456	0	73,456	72,233.00	.00	1,223.00	98.3%
1070021 5101 6172 FICA EXPENSE	0	0	0	4,114.80	.00	-4,114.80	100.0%*
1070021 5102 MEDICARE EXPENSE	17,180	0	17,180	16,893.10	.00	286.90	98.3%
1070021 5102 6172 MEDICARE EXPEN	0	0	0	962.29	.00	-962.29	100.0%*
1070021 5202 GROUP HEALTH INSUR	344,015	0	344,015	305,643.43	.00	38,371.57	88.8%
1070021 5202 6172 GROUP HEALTH I	0	0	0	20,175.51	.00	-20,175.51	100.0%*
1070021 5203 PENSION (401) UAJA	66,128	0	66,128	73,985.50	.00	-7,857.50	111.9%*
1070021 5203 6172 PENSION (401)	0	0	0	3,668.71	.00	-3,668.71	100.0%*
1070021 5304 OPERATION SUPPLIES	0	0	0	27.18	.00	-27.18	100.0%*
1070021 5305 SMALL EQUIPMT/TOOL	18,000	0	18,000	16,979.93	.00	1,020.07	94.3%
1070021 5504 SEWER LINE MAINTEN	100,000	0	100,000	183,838.87	.00	-83,838.87	183.8%*
1070021 ER01 RENTAL OF EQUIPMEN	1,000	0	1,000	.00	.00	1,000.00	.0%
1070021 ER14 RENTAL LOWBOY	7,000	0	7,000	2,489.80	.00	4,510.20	35.6%
1070021 PV01 TRENCH PAVING-CONT	10,000	0	10,000	21,605.60	.00	-11,605.60	216.1%*

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12									
ACCOUNTS FOR:	ORIGINAL	TRANFRS/	REVISED				AVAILABLE	PCT	
10 OPERATING FUND	APPROP	ADJSTMTS	BUDGET	YTD	ACTUAL	ENCUMBRANCES	BUDGET	USE/COL	
TOTAL COLLECTION-MAINTENANCE	1,846,553	0	1,846,553	1,983,031.96		.00	-136,478.96	107.4%	
1070022 CONSTRUCT EQUIP MAINTENANCE									
1070022 5501 SMALL EQUIPMENT MA	6,000	0	6,000	4,982.40		.00	1,017.60	83.0%	
1070022 5506 LG. CONSTR. EQUIP	80,000	0	80,000	55,736.70		.00	24,263.30	69.7%	
TOTAL CONSTRUCT EQUIP MAINTENANCE	86,000	0	86,000	60,719.10		.00	25,280.90	70.6%	
1070034 COLLECTION-INSPECTION									
1070034 5001 SUPERVISOR LABOR	137,774	0	137,774	114,155.69		.00	23,618.31	82.9%	
1070034 5001 6344 OIL SPILL	0	0	0	614.49		.00	-614.49	100.0%*	
1070034 5002 REGULAR LABOR	216,167	0	216,167	171,138.51		.00	45,028.49	79.2%	
1070034 5002 B5026 GRAYSWOODS	0	0	0	2,599.50		.00	-2,599.50	100.0%*	
1070034 5002 B5192 VILLAGE AT PE	0	0	0	762.93		.00	-762.93	100.0%*	
1070034 5002 B5461 WHITEHALL ROA	0	0	0	4,193.96		.00	-4,193.96	100.0%*	
1070034 5002 B5473 REGULAR LABOR	0	0	0	393.35		.00	-393.35	100.0%*	
1070034 5002 B5475 REGULAR LABOR	0	0	0	1,419.47		.00	-1,419.47	100.0%*	
1070034 5002 B5477 REGULAR LABOR	0	0	0	317.91		.00	-317.91	100.0%*	
1070034 5002 B5481 REGULAR LABOR	0	0	0	1,367.99		.00	-1,367.99	100.0%*	
1070034 5002 B5485 REGULAR LABOR	0	0	0	2,984.35		.00	-2,984.35	100.0%*	
1070034 5003 OVERTIME LABOR	11,000	0	11,000	15,075.38		.00	-4,075.38	137.0%*	
1070034 5006 VACATION	0	0	0	35,421.18		.00	-35,421.18	100.0%*	
1070034 5007 SICK	0	0	0	27,974.40		.00	-27,974.40	100.0%*	
1070034 5008 PERSONAL	0	0	0	2,666.62		.00	-2,666.62	100.0%*	
1070034 5009 JURY/CIVIL/VOLUNTE	0	0	0	198.23		.00	-198.23	100.0%*	
1070034 5010 HOLIDAY	0	0	0	10,504.06		.00	-10,504.06	100.0%*	
1070034 5101 FICA EXPENSE	21,945	0	21,945	22,316.77		.00	-371.77	101.7%*	
1070034 5102 MEDICARE EXPENSE	5,132	0	5,132	5,219.24		.00	-87.24	101.7%*	
1070034 5202 GROUP HEALTH INSUR	45,206	0	45,206	51,453.54		.00	-6,247.54	113.8%*	
1070034 5203 PENSION (401) UAJA	24,586	0	24,586	26,038.76		.00	-1,452.76	105.9%*	
1070034 5304 OPERATIONAL SUPPLI	4,000	0	4,000	3,760.13		.00	239.87	94.0%	
1070034 5305 SMALL EQUIPMT/TOOL	500	0	500	287.00		.00	213.00	57.4%	
1070034 5507 SEWER LINE INSPEC/	0	0	0	1,991.31		.00	-1,991.31	100.0%*	
1070034 5507 B5026 GRAYSWOODS	0	0	0	550.00		.00	-550.00	100.0%*	
1070034 5507 B5192 VILLAGE AT PE	0	0	0	951.21		.00	-951.21	100.0%*	
1070034 5507 B5473 INSPECTION EN	0	0	0	150.00		.00	-150.00	100.0%*	
1070034 5507 B5474 INSPECTION EN	0	0	0	250.00		.00	-250.00	100.0%*	

UNIVERSITY AREA JOINT AUTHORITY

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12									
ACCOUNTS FOR:	ORIGINAL	TRANFRS/	REVISED				AVAILABLE	PCT	
10 OPERATING FUND	APPROP	ADJSTMTS	BUDGET	YTD	ACTUAL	ENCUMBRANCES	BUDGET	USE/COL	
1070034 5507 B5475 INSPECTION EN	0	0	0	950.58		.00	-950.58	100.0%*	
1070034 5507 B5480 INSPECTION EN	0	0	0	650.58		.00	-650.58	100.0%*	
1070034 5507 B5481 INSPECTION EN	0	0	0	650.00		.00	-650.00	100.0%*	
1070034 5507 B5485 INSPECTION EN	0	0	0	1,000.00		.00	-1,000.00	100.0%*	
1070034 5507 B5486 INSPECTION EN	0	0	0	550.00		.00	-550.00	100.0%*	
1070034 5507 B5487 INSPECTION EN	0	0	0	550.00		.00	-550.00	100.0%*	
1070034 5507 B5488 INSPECTION EN	0	0	0	450.00		.00	-450.00	100.0%*	
TOTAL COLLECTION-INSPECTION	466,310	0	466,310	509,557.14		.00	-43,247.14	109.3%	
1070036 COLLECTION-PUMP STATION									
1070036 5305 SMALL EQUIPMT/TOOL	1,000	0	1,000	129.96		.00	870.04	13.0%	
1070036 5501 EQUIPMENT MAINTENA	20,000	0	20,000	3,082.63		.00	16,917.37	15.4%	
1070036 5505 O & M PUMP STATION	70,000	0	70,000	39,903.21		.00	30,096.79	57.0%	
1070036 5505 B5002 O & M CLASTER	300	0	300	.00		.00	300.00	.0%	
1070036 5505 B5003 O & M NORTH M	300	0	300	6,064.00		.00	-5,764.00	2021.3%*	
1070036 5505 B5004 O & M SOUTH M	300	0	300	6,064.00		.00	-5,764.00	2021.3%*	
1070036 5602 POWER	62,000	0	62,000	51,906.34		.00	10,093.66	83.7%	
1070036 5602 B5002 POWER-CLASTER	500	0	500	117.10		.00	382.90	23.4%	
1070036 5602 B5004 POWER-SOUTH M	500	0	500	307.57		.00	192.43	61.5%	
1070036 5603 PUMP STATION PROPA	1,200	0	1,200	1,685.29		.00	-485.29	140.4%*	
TOTAL COLLECTION-PUMP STATION	156,100	0	156,100	109,260.10		.00	46,839.90	70.0%	
TOTAL OPERATING FUND	28,351,117	0	28,351,117	7,966,421.41		.00	20,384,695.39	28.1%	
TOTAL REVENUES	-18,025,789	0	-18,025,789	-15,046,201.57		.00	-2,979,587.43		
TOTAL EXPENSES	46,376,906	0	46,376,906	23,012,622.98		.00	23,364,282.82		

YEAR-TO-DATE BUDGET REPORT

FOR 2022 12

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
GRAND TOTAL	28,351,117	0	28,351,117	7,966,421.41	.00	20,384,695.39	28.1%

** END OF REPORT - Generated by Sierra weight **



UNIVERSITY AREA JOINT AUTHORITY

To: UAJA Board
 From: Jason Brown
 Re: Financial Report - End of December 2022

Cash Accounts

General Checking	\$225,273.94
Payroll Checking	\$4,215.05
PLIGIT Checking	\$1,543.34
Petty Cash	\$79.90

Revenue Fund Accounts

Revenue Sweep	\$36,461.80
Revenue Trustee	\$1,687,480.70

Savings Accounts

PLIGIT Plus	\$8,617.55
93 BRIF	\$2,356,894.82
Emmaus BRIF	\$0.00

TOTAL LIQUID ASSETS **\$4,320,567.10**

Dedicated Accounts

2015 DSF	\$239.11
2017A DSF	\$163.73
2017 B & C DSF	\$804.99
2018 DSF	\$308.69
2020 DSF	\$6,533.57
2020A DSF	\$2.82
2021 DSF	\$3.03
2021A DSF	\$1,016.53
2022 DSF	\$4,792.95
2020A Construction Fund	\$5,379,618.40
2021 Construction Fund	\$8,819,390.33
2020A Capitalized Interest Fund	\$67,899.62
2021 Capitalized Interest Fund	\$54,601.09

TOTAL DEDICATED ASSETS **\$14,335,374.86**

Restricted Accounts

93 Oper. Expense Reserve	\$308,307.41
93 Debt Service Reserve	\$6,697,579.34

\$7,005,886.75

Receivables Outstanding

UAJA Sewer	\$121,162.32
UAJA Surcharge	\$0.00
Borough Sewer	\$753,153.56
PGM Sewer	\$3,249.33
PSU Sewer	\$0.00

TOTAL OUTSTANDING **\$877,565.21** Page 31 of 73



SUPERINTENDENT’S REPORT

January 12, 2023

Arthur G. Brant

PLANT OPERATION

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for December was 4.18mgd with the average for the month being 3.87mgd. The average monthly **influent** flow was 5.07mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	Dec-22	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	29,000	437,000		
Centre Hills	0	29,473,000	Dec-22	Dec-22
Cintas	512,000	6,383,000	56.2	56.1
Red Line	361,000	5,180,000		
Uaja Wetland	9,224,000	36,427,000		
GDK Vault	27,421,000	258,309,000		
Elks	0	8,468,000		
Kissingers	2,562,000	26,801,000		
Stewarts/M.C.	1,000	48,330		
TOTAL	40,110,000	371,526,330		

PLANT MAINTENANCE

- Replaced the outboard bearing temperature probe on Aeration Blower #4.
- Applied Controls Engineering updated the SCADA servers.
- Replaced the diaphragms in Primary Pumps #3 and #10.
- Replaced obsolete valves in the Primary Bldg.
- Controls 21 calibrated and adjusted the AUMA actuators on the Aeration Basins.
- Responded to ENERNOC Demand Response power reduction during the holidays.
- Schneider Electric repaired the VFD for RO Pump #2. This pump had not worked properly since the electrical issue in July.
- Roy Brooks Welding made a replacement spool for MF #6.
- Replaced shut-off valves at the Booster Station.
- Replaced a hydraulic hose on the Compost Loader and a chain on the Knight Mixer.
- Bolts on the outlet side valve of exhaust fan for the Odor Control broke and caused the valve to close. We removed the “flapper” to alleviate this issue.



COMPOST & SEPTAGE OPERATIONS REPORT

January, 2022

COMPOST PRODUCTION AND DISTRIBUTION

	<u>Jul. 2022</u>	<u>Aug. 2022</u>	<u>Sep. 2022</u>	<u>Oct. 2022</u>	<u>Nov. 2022</u>	<u>Dec. 2022</u>
Production	632 cu/yds.	805 cu/yds.	689 cu/yds.	722 cu/yds.	856 cu/yds.	1,045 cu/yds.
YTD. Production	5,647 cu/yds.	6,452 cu/yds.	7,237.5 cu/yds.	8,009.50 cu/yds.	8,865.5 cu/yds.	9,910.50 cu/yds.
Distribution	718 cu/yds.	975 cu/yds.	728.5 cu/yds.	743 cu/yds.	769cu/yds.	147 cu/yds.
YTD. Distribution	5,405 cu/yds.	6,380 cu/yds.	7,108.5 cu/yds.	7,851.5 cu/yds.	8,620.5cu/yds.	8,767.5cu/yds.
Immediate Sale	1,015 cu/yds.	672 cu/yds.	805 cu/yds.	791 cu/yds.	794 cu/yds.	1,503 cu/yds.
Currently in Storage	1,647 cu/yds.	1,477 cu/yds.	1,494 cu/yds.	1,563 cu/yds.	1,650 cu/yds.	2,548 cu/yds.

SEPTAGE OPERATIONS

	<u>Jul. 2022</u>	<u>Aug. 2022</u>	<u>Sep. 2022</u>	<u>Oct. 2022</u>	<u>Nov. 2022</u>	<u>Dec. 2022</u>
Res./Comm.	64,400 gals.	75,200 gals.	77,850 gals.	73,350 gals.	17,800 gals.	2,500 gals.
CH/Potter	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids
Port Matilda	1,192.62 lbs/solids	1,705.53 lbs/solids	1,301.04 lbs/solids	1,029.29 lbs/solids	1,138.41 lbs/solids	1,497.03 lbs/solids
Huston Twp.	583.80 lbs/solids	383.64 lbs/solids	567.12 lbs/solids	550.44 lbs/solids	467.04 lbs/solids	533.76 lbs/solids
Total Flow	84,400 gals.	97,700gals.	98,850 gals.	94,350 gals.	36,800 gals.	27,000 gals.



COLLECTION SYSTEM SUPERINTENDENT'S REPORT
Activities for the month of December 2022
Daren Brown, Superintendent

MAINLINE MAINTENANCE

New Laterals – 0
Mainline Cleaning – 16,468 ft cleaned/cut with root cutter
Mainline televising – 4,682 ft televised - 29 manholes inspected

LIFT STATION MAINTENANCE:

Cleaned (18) wet wells
Cleaned and maintenance all check valves at Big Hollow
Rebuilt (1) E-one Extreme grinder pump

NEXT MONTH PROJECTS:

Brushing backlot sewer Mains
Continue televising older subdivisions
Flushing mainlines
Finish Main line replacement at Park Gate Apartments
Have a crew working in the Filter Bed (Plant)
Have a crew working (replacing valves) at Primary Building (Plant)

INSPECTION: Final As-Builts Approved: (0)

Mainline Construction:

- a. Whitehall Regional Park – Waiting on final As-Builts
- b. Evergreen Heights- 90% Complete
- c. Toftrees West (Mount Nittany Medical Center) 80% Complete

New Connections:

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

TOTAL 10

PA One-Calls Responded to Dec 1 thru 31 = 182

CONSULTING ENGINEER'S REPORT

University Area Joint Authority

January 18, 2023

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

Odor Control System Upgrades (R001178.0597)

- The top of the media in Cell No. 3 was tilled to reduce the pressure drop across the media.
- An air quality inspection is scheduled with DEP for January 31st.

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

- Authority staff is reviewing the alternative pump station location near Waddle and the associated cost estimate.

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

- The Electrical Contractor continues to be delayed by the delivery of the generator.
- There were no applications for payment submitted this month.
- Change proposal requests have been received from both Contractors. The costs requested from the Contractor have been reviewed with the Owner's inspector and the requirements of the Contract. The change proposals are being reviewed with the Authority staff.
- Both Contractors have submitted time extension requests. A decision regarding these requests is being withheld until the work is substantially complete.

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

- HRG has been participating in meetings regarding the rate study.

Borough of State College Act 537 Special Study Impact Review (P001178.0717)

- HRG is available to assist with further analysis, if necessary.

Developer Plan Reviews:

- Grays Woods – Grays Pointe Phase 7A (R001178.0719): Revised design drawings reviewed, and comments were submitted to the Developer's Engineer on December 15, 2022. A re-submission has not been made.

Respectfully Submitted,
HERBERT, ROWLAND & GRUBIC, INC.



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

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

January 2023

WWTP NPDES Permit – Phosphorus Study (094612027)

- Continuous in-stream monitoring of Spring Creek wrapped up at the end of October. We are compiling data for review with DEP.

Phosphorus Study Project Schedule

Milestone	Date
Complete stream monitoring and compile data	November – December 2022
Review final data with PADEP	January 2023
Conduct High Temperature/Low Flow Monitoring if needed	TBD

Ozone Disinfection for Effluent (094612023)

- Continuation of submittal submission/reviews, with all major equipment processed.
- General Contractor has completed the majority of the masonry, structural steel, and roofing for the new Ozone Building.
- General Contractor has completed the concrete for the new Ozone Tank with the exception of the top slab.
- Control Building roof has been replaced and Tertiary Filter roof is underway.

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
2021-05 GC	7	\$266,400.00	\$5,448,000.00	\$2,513,009.43	46.13%	\$3,186,291.52
2021-06 EC			\$350,000.00	\$38,316.75	10.95%	\$315,514.93
2021-07 MC	3	\$42,275.25	\$223,000.00	\$76,573.82	34.34%	\$154,083.56
		\$308,675.25	\$6,021,000.00	\$2,627,900.00	43.65%	\$3,393,100.00

Contract 2021-05 (PSI) has submitted Application for Payment No. 07 in the amount of \$266,400.00. We recommend payment in the amount of \$266,400.00. Contract 2021-07 (McClure) has submitted Application for Payment No. 03 in the amount of \$42,275.25. We recommend payment in the amount of \$42,275.25.

Ozone Disinfection for Effluent Project Schedule

Milestone	Date
Notice to Proceed Issued	12/27/2021
Substantial Completion	03/27/2023

Anaerobic Digestion Project (094612026)

- We are preparing the appropriate forms to obtain plan approval from the PADEP Bureau of Air Quality to include all new potential sources of emissions from the project.
- RETTEW is completing the final design of the new Waste Receiving and Dryer Buildings, along with the remainder of the process drawings and specifications.
- A tour of a nearby co-digestion and RNG facility will be held at a later date for interested Board members and staff.
- Guidance on the Prevailing Wage Requirements under the Inflation Reduction Act related to the Investment Tax Credit has been published and is under review to determine all bidding requirements.
- RETTEW submitted the application to the Commonwealth Financing Agency (CFA) for the COVID-19 ARPA H2O PA Grant program on December 21st. This application requests a \$20 million grant for the project. We are also sending copies of the grant application to the State legislators for the Authority's service area to request their support.

Anaerobic Digestion Project Schedule

Milestone	Date
Updated Biogas Term Sheets and Biosolids Agreements to Stakeholders	Week of December 12th
Submission of Land Development Plan	Week of January 23rd
Submission of Building Permit Application	Week of March 6th
Complete Bidding Documents/Advertise for Bids	March 6, 2023
Early CFA Meeting Grant Announcement	March 2023
Bids Due for Construction	May 1, 2023
Late CFA Meeting Grant Announcement/Bid Award	July 2023
Bid Expiration (120 Days)	September 2023
Begin Construction	August 2023
Complete Construction	December 2024

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.



EXECUTIVE DIRECTOR'S REPORT

January 18, 2023

INFORMATION ITEMS

ACTION ITEMS

2. Board Reorganization

4. Public Comment

4.1 Other items not on the agenda

5. Old Business

5.1 Rate Resolution

The 2023 Rate resolution is included in the agenda report for adoption. This is the corrected version from the December 2023 Board Meeting.

Recommendation: Adopt the Rate Resolution as presented.

6. New Business

6.1 Open Records Policy Schedule of Fees

Each year UAJA needs to adopt a schedule of fees associated with our Open Records Policy. This fee schedule is shown below (the law does not allow for a retrieval fee):

1. Fees for the actual cost of mailing.
2. 25 cents per single-sided page for duplication.
3. Reasonable fees to cover other types of actual costs such as data conversion, electronic access, etc.

Recommendation: Adopt the fee schedule as presented.

6.2 Multi Year Review of Performance of Energy Projects

UAJA has been aggressively pursuing energy projects that reduce costs, increase resilience, and decrease greenhouse gas emissions. When these project decisions were made, assumptions were made concerning future energy costs. This presentation will focus on the initial assumptions, and what has changed in the energy sector to influence performance.

Recommendation: Presentation, no action.

6.3 Requisitions

BRIF #750	Rettew Phosphorus Study	\$475.00
BRIF #751	CDW Government MS Office 365 Renewal	\$9,180.00

TOTAL BRIF-		\$9,655.00
Construction Fund #063	Rettew Ozone Disinfection Project	\$3,102.50
Construction Fund #064	Rettew Solids Drying Project	\$6,587.10
Construction Fund #065	PSI Pumping Solutions Ozone Disinfection Project Pay App. #7 (G)	\$266,400.00
Construction Fund #066	McClure Company Ozone Disinfection Project Pay App. #3 (M)	\$42,275.25
TOTAL 2020 A CONSTRUCTION FUND		\$318,364.85
Revenue Fund #192	Debt Service, Operation and Maintenance Expenses	\$1,000,000
TOTAL REVENUE FUND		\$1,000,000

7. Reports of Officers

8. Other Business

9. Adjournment



RATE RESOLUTION

WASTEWATER RECYCLING

RATES AND OTHER

CHARGES

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Section 1

CONNECTION TO COLLECTION SYSTEM

1.1 Building Sewers and Connections

a) No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public or private sewer or appurtenances without first obtaining a written permit from the Authority.

b) All costs and expenses incidental to the installation and connection of the building sewer shall be the responsibility of the owner. Installation and construction of the building sewer shall be in compliance with the UAJA Standard Specifications then in effect.

1.2 Tapping and Permit Fees

a) The Tapping Fees are as follows:

Capacity Component:	\$6327.00	Per EDU
Collection Component Pine Grove Mills	\$2214.00	Per EDU
Collection Component Rt 26	\$2825.00	Per EDU
Ghaner Pump Station collection	\$301.00	Per EDU
Grinder Pump Escrow	\$2331.00	Per EDU
Borough of State College Tap Fee	\$2575.00	Per EDU
Special Purpose Circleville Int.Tap Fee	\$509.73	Per EDU
Special Purpose Valley Vista Tap Fee	\$584.90	Per EDU

Tapping fees are charged at the time the permit is issued. The capacity component is applied to all new connections.

Tapping fees are based on EDU's according to Section 2.

b) The Permit Fees are as follows:

Residential:	\$150.00
Non-Residential:	\$250.00
Repair/Abandonment:	\$ 25.00
Water Quality:	\$100.00
Water Quality(w/pump station)	\$250.00
Private to Private:	\$ 50.00

If more than two inspection trips are required because the lateral repeatedly fails inspection, a \$50.00 fee shall be charged per inspection trip in excess of two.

Section 2

WASTEWATER RATES AND OTHER FEES

2.1 General

Wastewater rates and other charges are imposed upon the Owner of each property or entity connected to the wastewater collection system. The rate for wastewater collection & treatment will usually be based upon an **Equivalent Dwelling Unit (EDU)**.

2.2 Capacity (EDU) Rate – Collection, Conveyance and Treatment

The rate charged per EDU is One Hundred Four dollars (\$104.00) per quarter. Residents of the Pine Grove Mills service area will be billed One Hundred Four dollars (\$104.00) per quarter plus an additional twenty two dollars and forty cents (\$22.40) for debt service.

2.21 Capacity (EDU) Rate – Collection, Conveyance and Treatment Effective April 1, 2023

Revised 12/16/22

The rate charged per EDU is One Hundred Eight dollars (\$108.00) per quarter. Residents of the Pine Grove Mills service area will be billed One Hundred Eight dollars (\$108.00) per quarter plus an additional twenty two dollars and forty cents (\$22.40) for debt service.

2.3 EDU Rate – Conveyance and Treatment

The Rate Charged per EDU is Sixty Six dollars (\$66.00) per quarter.

2.4 Bulk Treatment Rate

Some customers of the Authority, by grandfathered contract or agreement only, may be charged based upon the Bulk Treatment Rate. The bulk rate is also used for determining volume surcharges.

The rate charged per one million gallons treated is Five Thousand Three Hundred and Seventy Five (\$5375.00) dollars.

2.5 Assignment of Equivalent Dwelling Units

An Equivalent Dwelling Unit (EDU) shall apply to each classification of connection as follows:

(a) Residential

Apartment units, each	1
Attached business	
w/o separate sanitary facilities	½
w/ separate sanitary facilities	1
Condominiums	1
Daycare in home per 17.5 Population	1
Duplex / Multi-Plex (per unit)	1
Manufactured (mobile home park)	
Per lateral provided, unless capped	1
Rooming Units/Efficiency, each	½
(A single bed, one room, one bath apartment with no clothes washer)	
Single Family Homes	1
Townhouses, each	1

(b) Commercial

Automobile Dealer, (bays connected to sewer)	
2 bays or less	2
Each additional bay over 2	½
Automobile Dealer/Garage (bays not Connected to sewer)	*
Beauty/Barber shops, per chair	½
Bed & Breakfasts	
up to and including 5 rooms	1.5
6 to 10 rooms	2
Bowling Alleys, per 6 lanes	1 and *

Car Wash (bays connected to sewer)	
2 bays or less	2
Each additional bay over 2	1/2
not connected to sewer	*
Commercial Office Building	1 per Business up to 10 employees *
Fitness Centers,	*
with showers	*
with pool, per filter connected	2 and *
Hospitals per bed	1/2 and *
Hospital public dining, per 15 seats	1
Hotel/Motel, per room	1/2
Conference room	1 per 17.5
Restaurant/café seating	1 per 15 seats
Laundromat, per 5 washers	1
Medical Centers,	*
with pools, per filter connected	2
Nursing Homes per bed	1/2 and *
Nursing Home public dining, /15 seats	1
Personal Care/ Assisted living	1/2 per living unit and *
Restaurants, per 15 seats	1 and *
Retail food store	*
Each food preparation station	1
Each Bakery	1
Each Bank	1
Each Deli	1
Each Pharmacy	1
Each Photography center	1
Café seating, per 15 seats	1
Retail Stores	*
2 bays or less (if app.)	2
per 15 seats (if app.)	1
Retirement Homes, per unit	1 and *
Retire. Hm. public dining, /15 seats	1
Retire. Hm. industrial washer	1
Veterinary Facilities	*
Shell Buildings, per 3000 sq. ft. (for tapping fee & connection fee only)	1
Billing for Shell building per quarter	1

* 1 EDU for up to each 10 employees
 -or-
 1 EDU for up to each 8 employees with showers

Example 1: up to 10 employees (no showers) = 1 EDU.
 Revised 12/16/22

Example 2: 11 employees (no showers) = 1.5 EDU's.

Example 3: up to 8 employees (w/showers) = 1 EDU.

Example 4: 9 employees (w/showers) = 1.5 EDU's.

*** Employees that work off site will not be included in EDU count.**

(c) Industrial and Commercial

Per 10 employees	1
[do not include truck drivers]	
Per 8 employees with showers	1
[do not include truck drivers]	
Cooling Tower with drain to sewer	1
(unless volume warrants higher charge)	

(d) Public

Churches	1
w/daycare per 17.5 student & staff	1
Daycare per 17.5 population	1
Fire Hall, Ambulance	1
Library	1
Private Clubs/Organizations	
per 15 seats	1
Recreation Field w/sanitary facilities	1
Schools per 17.5 population	1
Swimming Pools	
Per filter connection	2 and
Average Patrons x10(gpd)/175(gpd)	

(e) Miscellaneous

- 1) Charge to drain pool (pool capacity times current bulk treatment rate—Authority must be notified in advance of draining)
- 2) Where more than one use occurs on any improved property, the sum of Equivalent Dwelling Units for each separate use will apply in establishing wastewater rates and charges.
- 3) Additional classifications for wastewater rates and other charges or modifications of the above schedules for wastewater rates and other charges may be established by this Authority from time to time as deemed necessary.
- 4) Nothing contained herein shall be construed as prohibiting special agreements between this Authority and nonresidential improved properties under conditions and circumstances making special agreements advisable and necessary.

Section 3

INFORMATION REQUIRED

3.1 Addresses

Every owner of an improved property, which is connected to the wastewater collection system, shall provide this Authority with his/her correct mailing address and thereafter shall keep this Authority advised of any address changes. Any changes to the address will only be accepted by the property owner calling the office and speaking to the Account Representative, or sending in written notice of the change. Failure of any property owner to receive bills for wastewater rates and other charges shall not be considered an excuse for nonpayment nor shall such failure result in an extension of the period of time during which the net bill shall be payable or late fees being waived.

Authority rules and regulations specifically require that bills be mailed directly to the owner of record and NOT to a tenant. Any agreement of payment between owner and tenant or bill paying service must be considered a transaction between both parties and in no way concerns this Authority.

3.2 Non-residential yearly reports

Owners of any nonresidential improved property may be responsible for providing this Authority with a yearly report. This report will be used to compute any changes to the wastewater rate or charges to such nonresidential improved property. This information may also be used to compute a surcharge. The report will be due on a yearly basis with the due date being the 10th day of April. If the owner of any nonresidential improved property fails to provide this Authority with complete information required to compute the sewer rate or charge, this Authority may estimate a reasonable applicable wastewater rate or charge for such nonresidential improved property. Such estimated wastewater rate or charge shall be the actual wastewater rate or charge payable until the required information is filed. No rebates will be paid by this Authority if the information filed reveals a lower wastewater rate or charge than that estimated by this Authority. If the resultant rate should be higher than what was estimated, the property owner will be responsible for paying the difference. Industrial users will still be required to send a questionnaire on a quarterly basis.

3.3 Volume surcharges

This Authority reserves the right to impose a volume surcharge and/or to revise the Equivalent Dwelling Unit classification for any improved property discharging domestic and/or industrial wastewater into the wastewater collection system in excess of a total flow of 175 gallons per day, per EDU. The volume surcharge will be based upon the Bulk Treatment Rate from Section 2.4.

Section 4

INVOICING

4.1 Invoicing

Invoicing is done in arrears and will be done according to the following table.

Quarter	Bill mail Date	Due Date
Jan. Feb. Mar.	Mid- April	Mid – May
April May June	Mid – July	Mid - August
July August Sept.	Mid – October	Mid – November
Oct. Nov. Dec.	Mid – January	Mid - February

4.2 Pro-rating

Owners of improved properties that connect to the sewer in the middle of a quarter will be charged from the date of connection. With permission from the University Area Joint Authority, owners of improved properties that disconnect sewer service by plugging the lateral will stop being billed as of the date that UAJA Personnel inspects the disconnection.

4.3 Delinquent payments

If wastewater rates and charges are not paid by provided due date each billing, an additional sum of 10% shall be added to the net bill, which net bill, plus such additional sum, shall constitute the gross bill. Payment made on or mailed and postmarked by the due date will be considered on time. When an account has a delinquent amount of \$150.00 or more, the property owner will be sent a certified letter requesting payment in full within 10 days. All costs associated with certified letters will be charged back to the customer's account. If the property owner fails to pay the balance on the account after receiving the certified letter, and it becomes necessary for this Authority to post the property for water termination, a fee of \$35.00 will be charged to the property owner's account. At the point of posting, the property owner is notified that the full amount due and owing, together with penalties, interest and legal fees must be paid in full within five (5) days of the notice. In the event the full amount due is not paid, the water utility serving this property shall be directed to discontinue water service to the posted property pursuant to: (1) the Act of 1957, July 10, P.L. 622, as amended and the Act of 1978, November 26, No. 299, as amended. In addition, the property owner will be assessed charges from the Water Utility for termination of service.

4.4 Payments returned by bank

In the event a payment of wastewater charges or other charges rendered by this Authority are returned by a banking institution for any reason, a charge of \$37.00 for each instance shall be added on the property owner's account. In the event the banking institution levies a charge against the Authority for processing a returned check, said charge will be levied against the account for which service is being rendered. The Authority may also demand payment of the account by cash, certified check, bank draft, cashier's check, bank/postal money order. The account, which was paid by the returned check, shall be considered delinquent until full payment is rendered.

Section 5

5.1 Liens for Wastewater Rate and Other Charges:

Wastewater rates and other charges imposed by this Rate Resolution shall be a lien on the improved property connected to and served by the wastewater collection system. Any wastewater rates and other charges which are delinquent shall be filed as a lien against the improved property connected to and served by the wastewater collection system. Such liens shall be filed and collected in the manner provided by law for the filing and collection of municipal claims.

Section 6

INDUSTRIAL PRETREATMENT

6.1 UAJA Industrial Pretreatment Program

UAJA is required by the US Environmental Protection Agency to comply with various requirements under the Clean Water Act and Other acts, which impose duties and obligations for controlling industrial users, also known as an Industrial Pretreatment Program. In order to perform the duties required in administering an Industrial Pretreatment Program, UAJA has the legal authority to perform inspections and sampling, issue permits and orders, collect permit fees, require reporting and record keeping, control rates and quantities of discharges, require that certain discharges be held, seek equitable relief, and impose penalties and fees as deemed appropriate.

6.2 Prohibited Wastes

(a) No person shall discharge or cause to be discharged any storm water, surface water, spring water, ground water, roof runoff, subsurface drainage, building foundation drainage, cellar drainage, drainage from roof leader connections, uncontaminated cooling water, HVAC or other uncontaminated condensate drainage, or unpolluted process waters into any Sewer.

(b) This Authority reserves the right to refuse permission to connect to the Sewage Collection System, to compel discontinuance of use of the Sewage Collection System or the Sewage Disposal System, or to compel pretreatment of Industrial wastes by any Industrial Establishment, in order to comply with provisions of the Service Agreement and to prevent discharge deemed harmful or to have a deleterious effect upon any Sewer, the Sewage Collection System or the Sewage disposal System.

(c) No Sanitary Sewage or Industrial Wastes shall be discharged to the Sewage Collection System:

- 1) Having a temperature higher than 150°F.
- 2) Containing more than 100 ppm of fats, wax, tar, oil and/or grease, whether emulsified or not, or containing substances which may solidify or become viscous at temperature between 32° F and 150°F.
- 3) Containing any gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquids, solids or gases.
- 4) Containing any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, cloths, feathers, tar, plastics, wood, paunch manure, whole blood, hair, fleshings, entrails, cotton, wool or other fibers, paper dishes, cups or milk containers, either whole or ground by garbage grinders, or any other solid or viscous substances capable of causing obstructions or other interferences with property operation of the Sewage Collection System or Sewers or the Sewage Disposal System.
- 5) Having a pH lower than 6.0 or higher than 10; being corrosive; or having any other property capable of causing damage or hazards to structures, equipment or operating personnel of the Sewage Collection System, Sewers or the Sewage Disposal System.
- 6) Containing toxic or poisonous solids, liquids or gases in sufficient quantity either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, to constitute hazards to humans or animals or to create any hazard in waters which receive treated effluent from the Sewage Disposal System. Toxic wastes shall include, but not by way of limitation, wastes containing cyanide, chromium, copper, cadmium, nickel, and/or mercury ions.
- 7) Sludge, water, solids or other materials pumped from septic tanks.
- 8) Any waters or wastes containing strong acid iron pickling wastes or concentrated plating solutions, whether neutralized or not.
- 9) Materials which exert or cause:
 - a) unusual concentrations of inert suspended solids (such as, but not limited to, Fullers earth, lime slurries and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate);
 - b) excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions);
 - c) unusual B.O.D., chemical oxygen demand or chlorine requirements in such quantities as to constitute a significant load on the Sewage Disposal System; or
 - d) unusual volume of flow or concentration of wastes constituting slugs.
- 10) Containing radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Authority.
- 11) Notwithstanding the above provisions, any waste containing phenols or any other substance or having other characteristics which are prohibited by the Authority.

(d) In addition, no commercial entity shall discharge any waste exceeding the following Default Concentration Limits unless they have been granted an Industrial Wastewater Discharge Permit, a Local Limits Waiver, or a Conditional Waiver within the previous 24 months.

DEFAULT CONCENTRATION LIMITS FOR INDUSTRIAL USERS

Pollutant	Default IU Limit	Units
Arsenic	0.032	mg/l
Cadmium	0.0026	mg/l
Copper	0.60	mg/l
Cyanide	0.054	mg/l
Hexavalent Chromium	0.18	mg/l
Lead	0.066	mg/l
Mercury	0.00050	mg/l

Methylene Chloride	0.20	mg/l
Molybdenum	0.054	mg/l
Nickel	0.29	mg/l
Selenium	0.032	mg/l
Silver	0.10	mg/l
Thallium	0.010	mg/l
Zinc	0.60	mg/l

Any user unsure of whether their discharge exceeds these limits shall contact UAJA to obtain an Application for a Local Limits Waiver. This Application will be evaluated to determine whether there is a significant risk of exceeding these parameters based on the types of processes and other possible sources of pollution at that site.

However, knowingly exceeding any of these limits without written permission of the Authority is prohibited.

- (e) Where necessary all Owners shall install suitable pre-treatment facilities in order to comply with subsections (c) and (d) of this Section. Plans, specifications and any other pertinent information relating to proposed facilities for preliminary treatment and handling of wastes shall be submitted for approval of this Authority and no construction of any such facility shall be commenced until approval thereof first shall have been obtained, in writing, from this Authority, and until approval thereof first shall have been obtained from any governmental regulatory body having jurisdiction. Whenever facilities for preliminary treatment and handling of wastes shall have been provided by any Owner, such facilities continuously shall be maintained, at the expense of such Owner, in satisfactory operating condition; and this Authority shall have access to such facilities at reasonable times for purposes of inspection and testing.
- (f) No person shall install or operate in any Improved Property connected to the Sewage Collection System any garbage grinder equipped with a motor of $\frac{3}{4}$ horsepower or greater, without prior written approval of this Authority.
- (g) Nothing contained in this Section 5 shall be construed as prohibiting any special agreement or arrangement between this Authority and any person whereby Industrial Wastes of unusual strength or character may be admitted into the Sewage Collection System owned by this Authority, either before or after preliminary treatment.

6.3 Industrial waste permitting

- a) Industrial users proposing to connect to or discharge to the wastewater collection/treatment facility may be required to obtain a Wastewater Discharge Permit before connecting to the wastewater collection/treatment facility.
- b) The Authority may establish a system of rates and charges for implementation of the Industrial Pretreatment Program, which shall be applicable to industrial users within its service area. Rates and charges for implementation of the IPP may be changed from time to time by resolution, subject to approval by the Board of the UAJA.

6.4 Industrial wastewater inspections

Monitoring by Authority personnel will be composed of both announced and unannounced inspections and sampling. The frequency of monitoring may vary depending on circumstances as determined by the Authority. All industrial users will be inspected and sampled at least once per year. All inspections will be done in accordance with the guidelines set by the industrial pretreatment program in effect. Whenever facilities for preliminary treatment and handling of wastes shall have been provided by any owner, such facilities continuously shall be maintained, at the expense of the owner, in satisfactory operating condition; and this Authority shall have access to such facilities at reasonable times for purposes of inspection and testing.

6.5 Enforcement

The Authority may take such actions as provided for by applicable law to enforce the provisions of the Industrial Pretreatment Program. Such actions include, but are not limited to the imposition of penalties of up to \$25,000.00 per day and seeking injunctive relief under the provisions of the Publicly Owned Treatment Works Penalty Law, 35 P.S. 752.1 *et seq.*

SECTION 7

DEFINITIONS

7.1 Definitions

Unless the context specifically and clearly indicates otherwise, the meaning of terms and phrases in this Resolution shall be as follows:

- a) Abandonment Permit – required when service is no longer to be provided. This is the only mechanism that will be used to either reduce EDU's or stop the billing process. Inspection is required for confirmation of completion.
- b) Authority - The University Area Joint Authority a Pennsylvania municipal authority, its officers, Board members, employees and agents.
- c) Equivalent Dwelling Unit – a unit of measurement that estimates an average use of wastewater facilities. Roughly the average amount of wastewater generated by a typical family in one day.
- d) Improved Property - a property upon which there is erected a structure intended for continuous or periodic habitation, occupancy or use by human beings or animals from which structure domestic and/or industrial wastes shall be or may be discharged.
- e) Industrial User - an improved property used, in whole or in part, for manufacturing, processing, cleaning, laundering or assembling any product, commodity or article or from which any process waste, as distinct from domestic waste, shall be discharged.
- f) Industrial Pretreatment Program -The enforcement of the provisions of the regulations and controls of Industrial Users to the extent required by the federal pretreatment regulations set forth in 40 C.F.R. Part 403 and including similar provisions in ordinances of the contributing Municipalities authorized to be administer by and enforced by this Authority.
- g) Industrial Waste: - Any solid, liquid or gaseous substance, or form of energy, which is produced as a result, whether directly or indirectly, of any industrial, manufacturing, trade or business process or activity, or in the course of developing, recovering, or processing of natural resources and which is discharged into the wastewater collection system; but not non-contact cooling water or sanitary sewage. Any wastewater which contains industrial waste and which is discharged from an industrial, manufacturing, trade or business premises is considered industrial waste for the purpose of this Resolution.
- h) Non-contact cooling water – the water from any use such as air conditioning, cooling or refrigeration, or to which the only pollutant added is heat.
- i) Non-residential - improved properties consisting of commercial, industrial, schools, professional offices, churches, institutions, etc.
- j) Owner - any person vested with ownership, legal or equitable, sole or partial, of any improved property.
- k) Private to Private Permit – A private to private permit is required when the connection of a detached or accessory use structure (ie: shed, shop, garage, out-building) to the primary use structure (residential) is desired. The definition of "detached" shall be described as a structure on the recorded building lot, with a separate use, that does not share either a common wall, or roof, or foundation with the primary use structure on that building lot. The private to private lateral shall be constructed following the same requirements for the primary building lateral and shall connect to that lateral at a place and in a manner which will allow future maintenance activity to be properly and efficiently conducted. Inspection prior to backfill is required.
- l) Repair Permit – a repair permit is required anytime excavation is made to repair or relocate any existing sewer lateral piping anywhere on the property from the building to the property line. Inspection prior to backfill is required.
- m) Wastewater – industrial or domestic wastes from dwellings, commercial buildings, industrial facilities, and institutions, together with any groundwater, surface water, and stormwater that may be present, whether treated or untreated, which enters the wastewater collection system.
- n) Wastewater Collection System - all facilities, as of any particular time, for collecting, pumping, treating and disposing of domestic and/or industrial wastes, acquired, constructed, owned and operated by this Authority.

SECTION 8

Tapping Fee Calculations

The Capital Charges Study dated October 25, 2021 is included by reference. The study determines the maximum tapping fees allowable under Pennsylvania Law. The actual tapping fees adopted by UAJA are reflected in Section 1.

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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Exhibit 1a – Summary of Capacity Part Calculations - Historical Cost Breakdown

Exhibit 1b – Summary of Collection Part Calculations Historical/Replacement Cost Breakdown

Exhibit 2a – Detailed Historical Cost Breakdown - Capacity

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

Exhibit 3 – Summary of Outstanding Debt Related to Facilities

Exhibit 4 – Derivation of Organic Tapping Fee Charge

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)	\$37.29

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. BOD₅)	\$ 23,904.00

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	\$8,204.00

* 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 8,000,000	=	\$28.30 per gpd

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
System Design Capacity (gpd)		
\$73,601,144.89 - \$1,714,524	=	\$8.99 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 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		ENR Index	Trend Factor	Trended Cost	Capacity Cost		
	Historical Cost	Grants					Net Cost	
1967	\$ 244,931	\$ -	\$ 244,931	1074	12464	11.61	\$ 2,842,477	\$ 2,842,477
1968	1,508,256	251,600	1,256,656	1155	12464	10.79	13,561,005	13,561,005
1969	786,805	257,900	528,905	1269	12464	9.82	5,194,856	5,194,856
1970	6,509,489	886,266	5,623,223	1381	12464	9.03	50,751,520	50,751,520
1971	3,656	-	3,656	1581	12464	7.88	28,823	28,823
1972	1,088	-	1,088	1753	12464	7.11	7,736	7,736
1974	92,170	-	92,170	2020	12464	6.17	568,716	568,716
1975	49,531	-	49,531	2212	12464	5.63	279,093	279,093
1976	108,570	-	108,570	2401	12464	5.19	563,605	563,605
1977	14,975	-	14,975	2576	12464	4.84	72,457	72,457
1978	18,575	-	18,575	2776	12464	4.49	83,400	83,400
1979	183,793	-	183,793	3003	12464	4.15	762,836	762,836
1980	143,207	-	143,207	3237	12464	3.85	551,416	551,416
1981	6,815	-	6,815	3535	12464	3.53	24,029	24,029
1982	99	-	99	3825	12464	3.26	323	323
1983	1,055	-	1,055	4066	12464	3.07	3,234	3,234
1984	4,736	-	4,736	4146	12464	3.01	14,238	14,238
1985	95,971	-	95,971	4195	12464	2.97	285,145	285,145
1986	169,656	-	169,656	4295	12464	2.90	492,338	492,338
1987	232,802	-	232,802	4406	12464	2.83	658,567	658,567
1988	736,093	-	736,093	4519	12464	2.76	2,030,242	2,030,242
1989	981,229	-	981,229	4615	12464	2.70	2,650,062	2,650,062
1990	8,091,034	-	8,091,034	4732	12464	2.63	21,311,633	21,311,633
1991	18,019,993	-	18,019,993	4835	12464	2.58	46,453,194	46,453,194
1992	5,933,112	-	5,933,112	4985	12464	2.50	14,834,565	14,834,565
1993	1,117,936	-	1,117,936	5210	12464	2.39	2,674,463	2,674,463
1994	456,565	-	456,565	5408	12464	2.30	1,052,261	1,052,261
1995	411,257	-	411,257	5471	12464	2.28	936,923	936,923
1996	106,350	-	106,350	5620	12464	2.22	235,862	235,862
1997	296,887	-	296,887	5826	12464	2.14	635,153	635,153
1998	1,631,664	-	1,631,664	5920	12464	2.11	3,435,314	3,435,314
1999	1,714,730	260,000	1,454,730	6059	12464	2.06	2,992,533	2,992,533
2000	2,752,597	-	2,752,597	6221	12464	2.00	5,514,928	5,514,928
2001	3,609,790	105,000	3,504,790	6343	12464	1.97	6,886,915	6,886,915
2002	12,444,054	-	12,444,054	6538	12464	1.91	23,723,262	23,723,262
2003	16,854,836	-	16,854,836	6694	12464	1.86	31,383,131	31,383,131
2004	16,266,860	-	16,266,860	7129	12464	1.75	28,440,194	28,440,194
2006	62,320	-	62,320	7751	12464	1.61	100,214	100,214
2007	1,858,303	-	1,858,303	7967	12464	1.56	2,907,228	2,907,228
2008	5,395,900	-	5,395,900	8310	12464	1.50	8,093,201	8,093,201
2009	77,500	-	77,500	8570	12464	1.45	112,714	112,714
2010	68,140	-	68,140	8802	12464	1.42	96,489	96,489
2011	396,062	100,000	296,062	9070	12464	1.37	406,848	406,848
2012	1,638,099	-	1,638,099	9308	12464	1.34	2,193,518	2,193,518
2013	236,875	-	236,875	9547	12464	1.31	309,250	309,250
2014	205,872	-	205,872	9806	12464	1.27	261,675	261,675
2015	7,528,858	25,000	7,503,858	10035	12464	1.24	9,320,188	9,320,188
2016	370,927	-	370,927	10338	12464	1.21	447,208	447,208
2017	67,448	-	67,448	10737	12464	1.16	78,296	78,296
2018	93,821	-	93,821	11062	12464	1.13	105,712	105,712
2019	846,198	-	846,198	11281	12464	1.10	934,935	934,935
2020	22,790,475	-	22,790,475	11466	12464	1.09	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
<i>Total Historical & Trended Cost</i>	<i>\$ 24,791,576</i>	<i>\$ 11,511,293</i>	<i>\$ 5,625,243</i>				<i>\$ 63,250,528</i>	<i>\$ 63,250,528</i>

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	\$ 10,350,617
<i>Total Replacement Cost</i>	<i>\$ 145,679,079</i>	<i>\$ 137,265,050</i>	<i>\$ 8,414,029</i>				<i>\$ 10,350,617</i>	<i>\$ 10,350,617</i>

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	11.61 \$ 2,842,477
1968	1,508,256	251,600	1,256,656	1155	12464	10.79 13,561,005
1969	786,805	257,900	528,905	1269	12464	9.82 5,194,856
1970	6,509,489	886,266	5,623,223	1381	12464	9.03 50,751,520
1971	3,656	-	3,656	1581	12464	7.88 28,823
1972	1,088	-	1,088	1753	12464	7.11 7,736
1974	92,170	-	92,170	2020	12464	6.17 568,716
1975	49,531	-	49,531	2212	12464	5.63 279,093
1976	108,570	-	108,570	2401	12464	5.19 563,605
1977	14,975	-	14,975	2576	12464	4.84 72,457
1978	18,575	-	18,575	2776	12464	4.49 83,400
1979	183,793	-	183,793	3003	12464	4.15 762,836
1980	143,207	-	143,207	3237	12464	3.85 551,416
1981	6,815	-	6,815	3535	12464	3.53 24,029
1982	99	-	99	3825	12464	3.26 323
1983	1,055	-	1,055	4066	12464	3.07 3,234
1984	4,736	-	4,736	4146	12464	3.01 14,238
1985	95,971	-	95,971	4195	12464	2.97 285,145
1986	169,656	-	169,656	4295	12464	2.90 492,338
1987	232,802	-	232,802	4406	12464	2.83 658,567
1988	736,093	-	736,093	4519	12464	2.76 2,030,242
1989	981,229	-	981,229	4615	12464	2.70 2,650,062
1990	8,091,034	-	8,091,034	4732	12464	2.63 21,311,633
1991	18,019,993	-	18,019,993	4835	12464	2.58 46,453,194
1992	5,933,112	-	5,933,112	4985	12464	2.50 14,834,565
1993	1,117,936	-	1,117,936	5210	12464	2.39 2,674,463
1994	456,565	-	456,565	5408	12464	2.30 1,052,261
1995	411,257	-	411,257	5471	12464	2.28 936,923
1996	106,350	-	106,350	5620	12464	2.22 235,862
1997	296,887	-	296,887	5826	12464	2.14 635,153
1998	1,631,664	-	1,631,664	5920	12464	2.11 3,435,314
1999	1,714,730	260,000	1,454,730	6059	12464	2.06 2,992,533
2000	2,752,597	-	2,752,597	6221	12464	2.00 5,514,928
2001	3,609,790	105,000	3,504,790	6343	12464	1.97 6,886,915
2002	12,444,054	-	12,444,054	6538	12464	1.91 23,723,262
2003	16,854,836	-	16,854,836	6694	12464	1.86 31,383,131
2004	16,266,860	-	16,266,860	7129	12464	1.75 28,440,194
2006	62,320	-	62,320	7751	12464	1.61 100,214
2007	1,858,303	-	1,858,303	7967	12464	1.56 2,907,228
2008	5,395,900	-	5,395,900	8310	12464	1.50 8,093,201
2009	77,500	-	77,500	8570	12464	1.45 112,714
2010	68,140	-	68,140	8802	12464	1.42 96,489
2011	396,062	100,000	296,062	9070	12464	1.37 406,848
2012	1,638,099	-	1,638,099	9308	12464	1.34 2,193,518
2013	236,875	-	236,875	9547	12464	1.31 309,250
2014	205,872	-	205,872	9806	12464	1.27 261,675
2015	7,528,858	25,000	7,503,858	10035	12464	1.24 9,320,188
2016	370,927	-	370,927	10338	12464	1.21 447,208
2017	67,448	-	67,448	10737	12464	1.16 78,296
2018	93,821	-	93,821	11062	12464	1.13 105,712
2019	846,198	-	846,198	11281	12464	1.10 934,935
2020	22,790,475	-	22,790,475	11466	12464	1.09 24,774,157
<i>Total Historical & Trended Cost</i>	<i>\$ 143,237,964</i>	<i>\$ 1,885,766</i>	<i>\$ 141,352,198</i>			<i>\$ 322,078,081</i>

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	9.03 \$ 48,231,581
1999	\$ 110,782	\$ -	\$ 110,782	6060	12464	2.06 \$ 227,853
2003	\$ 152,455	\$ -	\$ 152,455	6695	12464	1.86 \$ 283,824
2005	\$ 1,314,124	\$ 1,314,124	\$ -	7446	12464	1.67 \$ -
2006	\$ 1,402,896	\$ 1,402,896	\$ -	7751	12464	1.61 \$ -
2007 ¹	\$ 785,055	\$ 785,055	\$ -	7967	12464	1.56 \$ -
2008 ¹	\$ 522,182	\$ 504,192	\$ 17,990	8310	12464	1.50 \$ 26,983
2009	\$ 1,157,316	\$ 1,157,316	\$ -	8570	12464	1.45 \$ -
2010	\$ 990,316	\$ 990,316	\$ -	8802	12464	1.42 \$ -
2011	\$ 108,562	\$ 108,562	\$ -	9070	12464	1.37 \$ -
2012	\$ 676,520	\$ 676,520	\$ -	9308	12464	1.34 \$ -
2013 ¹	\$ 2,640,435	\$ 2,640,435	\$ -	9547	12464	1.31 \$ -
2014 ¹	\$ 1,124,345	\$ 1,124,345	\$ -	9806	12464	1.27 \$ -
2015	\$ 62,741	\$ -	\$ 62,741	10034	12464	1.24 \$ 77,935
2016	\$ 854,761	\$ 11,097,741	\$ 5,687,984	10338	12464	1.21 \$ 6,857,712
2017	\$ 1,314,494	\$ -	\$ 1,314,494	10737	12464	1.16 \$ 1,525,925
2018	\$ 2,562,590	\$ -	\$ 2,562,590	11062	12464	1.13 \$ 2,887,373
2019	\$ 1,229,296	\$ -	\$ 1,229,296	11281	12464	1.10 \$ 1,358,208
2020	\$ 1,631,158	\$ -	\$ 1,631,158	11466	12464	1.09 \$ 1,773,134
<i>Total Historical & Trended Cost</i>	\$ 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	\$ 42,922	\$ -
1970	South Meter Pit Building and Structures	1	\$ 42,922	\$ 42,922	\$ 42,922	\$ -
1970	Land ² Land - Maylie	1	\$ 491,292	\$ 592,325	\$ 444,244	\$ 148,081
1972	Land ² Land - ROW	1	\$ 186,278	\$ 224,586	\$ 168,439	\$ 56,146
1974	Harris Drive Pumps and Controls	180 gpm	\$ 248,948	\$ 248,948	\$ 248,948	\$ -
1974	Harris Drive Wetwell and Structures	1	\$ 360,546	\$ 360,546	\$ 360,546	\$ -
1974	Outer Drive Pumps and Controls	180 gpm	\$ 248,948	\$ 248,948	\$ 248,948	\$ -
1974	Outer Drive Wetwell and Structures	1	\$ 360,546	\$ 360,546	\$ 360,546	\$ -
1974	Kaywood Pumps and Controls	180 gpm	\$ 248,948	\$ 248,948	\$ 248,948	\$ -
1974	Kaywood Wetwell and Structures	1	\$ 360,546	\$ 360,546	\$ 360,546	\$ -
1979	Whitehall Road Pumps and Controls	60 gpm	\$ 180,273	\$ 180,273	\$ 180,273	\$ -
1979	Whitehall Road Wetwell and Structures	1	\$ 291,870	\$ 291,870	\$ 291,870	\$ -
1980	Gravity Sewer Four Foot Diameter Brick or Concrete	5386	\$ 4,200	\$ 27,273,229	\$ 26,262,144	\$ 1,011,084
1980	Gravity Sewer Five Foot Diameter Concrete	50	\$ 5,000	\$ 301,412	\$ 226,059	\$ 75,353
1980	Gravity Sewer Air Release Manholes	45	\$ 4,000	\$ 217,017	\$ 162,763	\$ 54,254
1980	Gravity Sewer 8" Diameter Gravity Sewer	780344	\$ 100	\$ 94,082,101	\$ 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	\$ 13,224	\$ 4,408
1980	Forcemain 2" Diameter Forcemain ¹	414	\$ 39	\$ 19,466	\$ 14,600	\$ 4,867
1980	Forcemain 3" Diameter Forcemain ¹	4120	\$ 42	\$ 208,626	\$ 156,469	\$ 52,156
1980	Land ² Pump Station/Meter Pit Sites	1	\$ 1,246,030	\$ 1,502,274	\$ 1,126,706	\$ 375,569
1980	Land ² Forcemain and Gravity Sewer Easements	1	\$ 6,764,160	\$ 8,155,203	\$ 6,116,403	\$ 2,038,801
1986	North Meter Pit Metering Equipment	1	\$ 291,870	\$ 291,870	\$ 291,870	\$ -
1986	South Meter Pit Metering Equipment	1	\$ 291,870	\$ 291,870	\$ 291,870	\$ -
1986	Haymarket Pumps and Controls	83 gpm	\$ 188,857	\$ 188,857	\$ 188,857	\$ -
1986	Haymarket Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ 309,039	\$ -
1988	Persia Pumps and Controls	69 gpm	\$ 188,857	\$ 188,857	\$ 188,857	\$ -
1988	Persia Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ 309,039	\$ -
1988	Scenery Park Pumps and Controls	68 gpm	\$ 188,857	\$ 188,857	\$ 188,857	\$ -
1988	Scenery Park Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ 309,039	\$ -
1990	Piney Ridge Pumps and Controls	174 gpm	\$ 248,948	\$ 248,948	\$ 248,948	\$ -
1990	Piney Ridge Wetwell and Structures	1	\$ 360,546	\$ 360,546	\$ 360,546	\$ -
1990	Piney Ridge Generator	1	\$ 51,507	\$ 51,507	\$ 51,507	\$ -
1991	Aspen Heights Pumps and Controls	111 gpm	\$ 206,026	\$ 206,026	\$ 206,026	\$ -
1991	Aspen Heights Wetwell and Structures	1	\$ 300,455	\$ 300,455	\$ 300,455	\$ -
1992	St. Ives Place Pumps and Controls	90 gpm	\$ 197,442	\$ 197,442	\$ 197,442	\$ -
1992	St. Ives Place Wetwell and Structures	1	\$ 326,208	\$ 326,208	\$ 326,208	\$ -
1994	Land ² Land - ROW	1	\$ 30,349	\$ 36,590	\$ 27,443	\$ 9,148
1995	Graysdale 2A Pumps and Controls	76 gpm	\$ 188,857	\$ 188,857	\$ 188,857	\$ -
1995	Graysdale 2A Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ 309,039	\$ -
1999	Graysdale 2B Pumps and Controls	76 gpm	\$ 188,857	\$ 188,857	\$ 188,857	\$ -
1999	Graysdale 2B Wetwell and Structures	1	\$ 309,039	\$ 309,039	\$ 309,039	\$ -
1999	Graysdale 2B Generator	1	\$ 42,922	\$ 42,922	\$ 42,922	\$ -
1999	Fox Hill Road Pumps and Controls	167 gpm	\$ 240,364	\$ 240,364	\$ 240,364	\$ -
1999	Fox Hill Road Wetwell and Structures	1	\$ 343,377	\$ 343,377	\$ 343,377	\$ -
1999	Fox Hill Road Generator	1	\$ 60,091	\$ 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	\$ 223,195	\$ -
2004	Marywood Wetwell and Structures	1	\$ 326,208	\$ 326,208	\$ 326,208	\$ -
2004	Marywood Generator	1	\$ 51,507	\$ 51,507	\$ 51,507	\$ -
2013	Land ² Land - Top of Hill	1	\$ 28,716	\$ 34,621	\$ 25,966	\$ 8,655
<i>Total Replacement Cost</i>				\$ 145,055,817	\$ 137,265,050	\$ 7,790,767

SUBTOTAL REPLACEMENT COSTS (ROUNDED) \$ 7,790,767.43
 Engineering, Permitting, & 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

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