



UNIVERSITY AREA JOINT AUTHORITY

A G E N D A

Regular Meeting – 4:00 pm – December 18, 2024

- 1. Call to Order**
- 2. Approval of the Minutes:** Regular Meeting- November 20, 2024 *(Page 2)*
- 3. Public Comment**
 - 3.1 Other items not on the agenda
- 4. Old Business**
 - 4.1 Purchase of Phase I Solar Array *(Page 42)*
- 5. New Business**
 - 5.1 2025 Budget Approval *(Page 42)*
 - 5.2 2025 Rate Resolution *(Page 42, Add'l Page 45)*
 - 5.3 2025 Meeting Dates *(Page 43)*
 - 5.4 Extension of Interim Agreement with State College Borough *(Page 43)*
 - 5.5 Construction Engineer's Report *(Page 35)*
 - 5.6 Final Design: Mount Nittany Manor Phase I *(Page 43)*
 - 5.7 Final Design: Mount Nittany Manor Phase II *(Page 43)*
 - 5.8 Final Design: Mount Nittany Elementary School Addition & Sewer Relocation *(Page 43)*
 - 5.9 Requisitions *(Page 44)*
- 6. Reports of Officers**
 - 6.1 Financial Report *(Page 31, YTD Budget Report Page 14)*
 - 6.2 Chairman's Report
 - 6.3 Plant Superintendent's Report *(Page 32)*
 - 6.4 Collection System Superintendent's Report *(Page 33)*
 - 6.5 Consulting Engineer's Report *(Page 34)*
 - 6.6 Executive Directors Report *(Page 41)*
- 7. Other Business**
- 8. Adjournment**

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

Regular Meeting – November 20, 2024

1. Call to Order

Mr. Lapinski, Chairman, called the regular meeting to order at 4:00 p.m., Wednesday, November 20, 2024. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Lapinski, Nucciarone, Guss, Kunkle, Glebe and Miles; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Sierra Weight, Administrative Assistant; Daren Brown, Collection System Superintendent; Holly Martinchek, Assistant Plant Superintendent; Jason Wert, Rettew; Michele Aukerman, Rettew; C-NET; Ben Burns, HRG; Steve Morra, Quandel Enterprises; David Gaines, Solicitor. The following were in attendance via Zoom: Messrs. Daubert, and Auman; Sam Robbins, State College Borough; Karli Keisling, PFM; Scott Shearer, PFM; Mark Sausser, Pennsylvania Fish & Boat Commission; Damian Mochan, 1 Benefit Solutions.

2. Reading of the Minutes

UAJA Regular Meeting – October 16, 2024

**UAJA Meeting
Minutes Approved**

A motion was made by Mr. Nucciarone, second by Mr. Guss to approve the meeting minutes of the UAJA regular meeting held on October 16, 2024. The motion passed unanimously.

3. Public Comment

3.1 Other items not on the agenda

None.

4. Old Business

4.1 Susquehanna River Basin Commission Consumptive Use Mitigation Grant Landowner Consent Letter

The Pennsylvania Fish and Boat Commission (PFBC) has requested UAJA allow the construction of stream restoration best management practices (BMPs) along UAJA property bordering Spring Creek. UAJA will have no responsibility other than allowing access and notifying PFBC of any maintenance that might be needed following inspection by UAJA after 100-year storm events.

Recommendation: Authorize the Executive Director to sign the consent letter and agreement on behalf of UAJA.

**Executive Director
to Sign Consent
Letter Approved**

A motion was made by Mr. Kunkle, second by Mr. Glebe to approve the Executive Director to sign the consent letter and agreement on behalf of UAJA. The motion passed unanimously.

5. New Business

5.1 Healthcare Contract 2025

Each year as part of the budgeting process, UAJA obtains quotes for healthcare which meets the requirements of the collective bargaining contract. Damian Mochan, UAJA’s insurance advisor, will present the results of the comparison of proposals. The recommended plan proposal is the Geisinger All Access HMO plan, which will result in a decrease of 3.8 percent in the cost of health insurance.

Recommendation: Approve the Geisinger Extra All Access HMO \$6000 1X Plan effective January 1, 2025.

2025 Healthcare Contract Approved

A motion was made by Mr. Derr, second by Mr. Guss to approve the Geisinger Extra All Access HMO \$6000 1X Plan, effective January 1, 2025. The motion passed unanimously.

5.2 Selection of Underwriter New Money Bond Issue Series 2025 for Biosolids Project

To complete the Biosolids project, UAJA will need to issue new revenue bonds in the amount of approximately \$45,600,000.00. Public Financial Management (PFM), UAJA’s financial consultant, will present the current financial conditions and the steps required to complete the bond issue. The current action is to select the underwriter for the bond issue. Proposals have been received and reviewed. PFM has recommended the Authority accept the proposal from Raymond James.

Recommendation: Accept the underwriter’s proposal from Raymond James.

Raymond James Proposal Accepted

A motion was made by Mr. Nucciarone, second by Mr. Auman to accept the underwriter’s proposal from Raymond James. The motion passed unanimously.

5.3 Construction Engineer’s Report

WWTP NPDES Permit – Phosphorus Study (094612027)

- Continuous in-stream monitoring of Spring Creek has been completed. We are reviewing all compiled data with the PA DEP for determination of next steps.

Phosphorus Study Project Schedule

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

Ozone Disinfection for Effluent (094612023)

- Contract 2021-07 – Mechanical Construction completed by McClure Company has been closed out and final closeout documents have been issued via separate cover.
- Aqua Aerobics has requested further modifications to the suction and discharge valves supplied by PSI and this has been delivered. Installation will occur the week of November 11th and startup is

slated for November 19th. UAJA will perform Fecal Testing immediately upon operations to confirm successful commissioning and startup.

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			\$5,458,723.91	\$5,323,473.91	97.52%	\$401,423.70
2021-06 EC			\$350,000.00	\$326,500.00	93.29%	\$39,825.00
2021-07 MC			\$223,000.00	\$223,000.00	100.00%	\$0.00
		\$0.00	\$6,031,723.91	\$5,872,973.91	97.37%	\$441,248.70

- No applications to process this month.

Ozone Disinfection for Effluent Project Schedule

Milestone	Date
Notice to Proceed Issued	12/27/2021
Substantial Completion	03/27/2023
Projected Substantial Completion Date	05/20/2024

Anaerobic Digestion Project (094612026)

- We continue to review project related submittals and requests for information.
- Work has progressed with building foundations, the biological hydrolysis tanks, and initial work associated with the Dryer Building pre-engineered metal building.





- Contract No. 2022-01 (General) – Change Order No. 02 – RETTEW has prepared and recommends Change Order No. 02 for an increase of \$48,078.09 and 5 days to this contract. This change order is for the replacement of previously damaged (prior to the project) metal siding for the Anaerobic Digestion Process Building (former Curing Building) and the addition of a relay and intrinsically safe barrier for the spare Landia Mixer to be added to the sludge holding tanks next to the Dewatering Building.
- Contract 2022-02 (Plumbing) – Change Order No. 02 – RETTEW has prepared and recommends Change Order No. 02 for an increase of \$66,617.01 and 14 days to this contract. This change order is for additional underslab plumbing and floor drains to accommodate the new modified layout of the Dryer within the Dryer Building and additional catchments for fire protection.
- Contract 2022-04 (Electric) – Change Order No. 02 – RETTEW has prepared and recommends Change Order No. 02 for an increase of \$11,754.32 and 0 days to this contract. This change order is for the additional conduit/raceway and fiber optic cabling to facilitate enhanced network communication and additional equipment and instrumentation signals between buildings for the new SCADA.

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
2022-01	11	\$1,334,473.96	\$66,751,489.26	\$23,112,333.85	34.62%	\$45,950,388.80
2022-02	7	\$66,850.28	\$791,315.15	\$407,643.09	51.51%	\$424,436.37
2022-03	8	\$12,407.40	\$759,000.00	\$376,210.50	49.57%	\$420,410.55
2022-04	7	\$188,613.17	\$6,623,333.21	\$1,700,939.87	25.68%	\$5,092,487.33
		\$1,602,344.81	\$74,925,137.62	\$25,597,127.31	34.16%	\$49,328,010.31

- Application for Payment No. 11 has been received for Contract 2022-01 (General Construction) in the amount of \$1,334,473.96. RETTEW recommends payment of Application for Payment No. 11 in the amount of \$1,334,473.96.
- Application for Payment No. 07 has been received for Contract 2022-02 (Plumbing Construction) in the amount of \$66,850.28. RETTEW recommends payment of Application for Payment No. 07 in the amount of \$66,850.28.
- Application for Payment No. 08 has been received for Contract 2022-03 (HVAC Construction) in the amount of \$12,407.40. RETTEW recommends payment of Application for Payment No. 08 in the amount of \$12,407.40.
- Application for Payment No. 07 has been received for Contract 2022-04 (Electrical Construction) in the amount of \$188,613.17. RETTEW recommends payment of Application for Payment No. 07 in the amount of \$188,613.17.

Anaerobic Digestion Project Schedule

Milestone	Date
Notice to Proceed Issued	January 8, 2024
Completion of Dryer and Waste Handling Buildings	July 6, 2025
Contracted Substantial Construction	January 7, 2026

Solar Phase I Purchase

- Negotiations continue between PACE Energy, LLC and the authority over the value of the Phase I Solar Array. We will update at the Board Meeting.

5.4 Change Order No. 02 Contract 2022-02 Biosolids Upgrade Plumbing

RETTEW has prepared and recommends Change Order No. 02 for an increase of \$66,617.01 and 14 days to this contract. This change order is for additional under slab plumbing and floor drains to accommodate the new modified layout of the Dryer within the Dryer Building and additional catchments for fire protection.

Recommendation: Approve Change order 02 Contract 2022-02 for an addition of \$66,617.01 to the contract price and the addition of 14 days to the contract time.

5.5 Change Order No. 02 Contract 2022-01 Biosolids Upgrade General

RETTEW has prepared and recommends Change Order No. 02 for an increase of \$48,078.09 and 5 days to this contract. This change order is for the replacement of previously damaged (prior to the project) metal siding for the Anaerobic Digestion Process Building (former Curing Building) and the addition of

a relay and intrinsically safe barrier for the spare Landia Mixer to be added to the sludge holding tanks next to the Dewatering Building.

Recommendation: Approve Change Order 02 Contract 2022-01 for an increase of \$48,078.09 to the contract price and the addition of five days to the contract time.

5.6 Change Order 02 Contract 2022-04 Biosolids Upgrade Electrical

RETTEW has prepared and recommends Change Order No. 02 for an increase of \$11,754.32 and 0 days to this contract. This change order is for the additional conduit/raceway and fiber optic cabling to facilitate enhanced network communication and additional equipment and instrumentation signals between buildings for the new SCADA.

Recommendation: Approve Change order 02 Contract 2022-04 for an increase of \$11,754.32 to the contract price.

**Change Order 02
Contract 2022-02,
Change Order 02
Contract 2022-01,
Change Order 02
Contract 2022-04
Approved**

A motion was made by Mr. Miles, second by Mr. Nucciarone, to approve Change Order 02 Contract 2022-02, Change Order 02 Contract 2022-01 and Change Order 02 Contract 2022-04 in the total amount of \$126,449.42. The motion passed unanimously.

5.6 Requisitions

BRIF #923	Glossner's Concrete Greenwood Circle Project	\$696.00
BRIF #924	Ducken Tree Farm Greenwood Circle Project - Topsoil	\$859.60
BRIF #925	Heidelberg Materials Greenwood Circle Project – Stone	\$4,116.08
BRIF #926	A & H Equipment Mobile Camera Rental	\$9,750.00
BRIF #927	EBY Paving Greenwood Circle Project - Asphalt	\$1,292.14
BRIF #928	L/B Water Plant Pump Station Repairs	\$8,992.90
BRIF #929	Doosan Bobcat Utility Vehicle	\$77,753.04
BRIF #930	HRI, Inc. Greenwood Circle Project-Asphalt	\$2,237.60

BRIF #931	Centre Concrete Greenwood Circle & Wiltshire Dr.	\$186.50
BRIF #932	Sunbelt Rentals Greenwood Circle Project-Roller	\$1,133.53
BRIF #933	Siteone Landscape Greenwood Circle Project-Seed Mix	\$910.28
BRIF #934	HRG Park Lane Sewer Permitting	\$10,130.00
BRIF #935	HRG Woodledge Sewer Permitting	\$12,544.00
TOTAL BRIF-		\$130,601.67

**BRIF Fund
Approved**

A motion was made by Mr. Nucciarone, second by Mr. Daubert, to approve BRIF Fund #923, #924, #925, #926, #927, #928, #929, #930, #931, #932, #933, #934 and #935 in the amount of \$130,601.67. The motion passed unanimously.

Construction Fund #034	Rettew Ozone Disinfection Project	\$1,822.50
TOTAL 2021 CONSTRUCTION FUND -		\$1,822.50

**Construction Fund
Approved**

A motion was made by Mr. Kunkle, second by Mr. Guss, to approve Construction Fund #034 in the amount of \$1,822.50. The motion passed unanimously.

Construction Fund #026	University Area Joint Authority Sludge Drying Project – Building Permit	\$47,547.83
Construction Fund #027	L/B Water Sludge Drying Project - Valves	\$3,960.20
Construction Fund #028	Site Specific Design Sludge Drying Project – Curb Boxes	\$714.00
Construction Fund #029	Rettew Sludge Drying Project	\$138,990.00
Construction Fund #030	Quandel Construction Group Pay App. #11 – Sludge Drying Project - General	\$1,334,473.96
Construction Fund #031	Myco Mechanical Pay App #7 – Sludge Drying Project - Plumbing	\$66,850.28

Construction Fund #032	Myco Mechanical Pay App. #8- Sludge Drying Project-HVAC	\$12,407.40
Construction Fund #033	Hayden Power Group Pay App. #7- Sludge Drying Project-Electrical	\$188,613.17
TOTAL 2024 CONSTRUCTION FUND (Biosolids) -		\$1,793,556.84

**Construction Fund
Approved**

A motion was made by Mr. Nucciarone, second by Mr. Glebe, to approve Construction Fund #026, #027, #028, #029, #030, #031, #032 and #033 in the amount of \$1,793,556.84. The motion passed unanimously.

Revenue Fund #212	Debt Service, Operation and Maintenance Expenses	\$1,000,000.00
TOTAL REVENUE FUND-		\$1,000,000.00

**Revenue Fund
Approved**

A motion was made by Mr. Derr, second by Mr. Kunkle, to approve Revenue Fund #212 in the amount of \$1,000,000.00. 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 October 31, 2024, were reviewed with the Board by Jason Brown.

6.2 Chairman’s Report

Mr. Lapinski asked the Rate Study subcommittee to share an update.

6.3 Plant Superintendent’s Report

Septage Operations Report

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

SEPTAGE OPERATIONS

LBS/SOLIDS

	MAY 2024	JUNE 2024	JULY 2024	AUGUST 2024	SEPTEMBER 2024	OCTOBER 2024
PORT MATILDA	3044	734	758	2006	526	1784
HUSTON TOWNSHIP	367	350	300	384	415	517

TOTAL GALLONS

	MAY 2024	JUNE 2024	JULY 2024	AUGUST 2024	SEPTEMBER 2024	OCTOBER 2024
RESIDENTIAL/COMMERCIAL	11,175	19,190	12,950	28,400	19,570	21,700
PORT MATILDA	23,000	5,500	6,500	13,000	6,500	12,000
HUSTON TOWNSHIP	6,000	6,000	8,000	8,000	8,000	8,000
TOTAL GALLONS	40,175	30,690	27,450	49,400	34,070	41,700

Plant Operations:

- Total Monthly Influent Flow: 152.02 MGD
- Monthly Average Influent Flow: 4.90 MGD
- Highest Daily Influent Flow (10/1): 5.54 MGD
- Lowest Daily Influent Flow (10/9): 4.67 MGD
- 12-Month Rolling Effluent Average: 3.87 MGD
- Current Year Effluent Average: 3.92 MGD

On-line Treatment Units:

- 4- Primary Clarifiers
- 2- Aeration Basins
- 4- Secondary Clarifiers
- 8- De-nitrification Filters

Reuse Water Distribution Data

	October	Year to date gallons
Best Western Hotel	35,000	338,000
Centre Hills Golf	5,153,500	38,834,970
Stewart Drive	16,000	68,000
Collections Maintenance Garage	1,000	15,000
CINTAS	617,650	4,834,320
Red Line	554,000	4,458,000
Plant site	5,041,000	47,627,000
GDK Park vault	32,559,000	360,636,000
Kissinger's Pond	0	0
Elks	1,069,000	13,337,000
Total Gallons	45,046,150	470,148,290
Plant effluent temperature monthly average	69.7°	
Wetland temperature monthly average	67.3°	

Plant Maintenance

- Rebuilt AWT Feed Pump #1.
- Rebuilt RAS Pump #2.

- Replaced the insertion flow meter in the Tertiary Building.
- Replaced the PLC in MF #2.
- Replaced the check valve on Chlorine Pump #1.
- Installed an additional scraper on the short belt.

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:

Mainline Cleaning – 6,125 ft cleaned/cut with root cutter.
Mainline televising – 33,874 ft televised – 173 manholes inspected.
Greenwood Circle Project – Replaced 566 ft. of mainline and 80 ft. of lateral (project is complete)
Repaired a sinkhole that exposed the mainline sewer behind Accu Weather (backlot)
Castings adjusted – 7
Started brushing backlot ROW’s

Lift Station Maintenance:

Cleaned (17) wet wells.

Next Month Projects:

Mainline repair-Science Park Rd. (found while televising the line)
Continue televising mainline with 2 cameras (one is a budgeted rental)
GIS for mapping
Mainline flushing
ROW brushing

Inspection:

Winfield Heights Phase 2 (waiting for final As-Builts)

Mainline Construction:

- a. Rockey Ridge Sec. 6 (waiting on pre-construction meeting)
- b. Decibel Partners Hotel (waiting on pre-construction meeting)

New Connections:

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

TOTAL 13

PA One-Calls Responded to October 1 thru October 31, 2024: 381

6.5 Consulting Engineer's Report

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

Retainer Services (001178.0693)

- Assistance was provided with items for the annual budget.

Puddintown Interceptor Act 537 Special Study (P001178.0725)

- A comment response letter was provided to the CRPA.
- The study was presented at the joint Centre Region Planning Commission and COG Land Use and Community Infrastructure on November 7th.

West Patton (Meeks Lane) Pump Station Basis of Design (R001178.0730)

- HRG provided a scope of services to the Developer (S&A Homes) to design the proposed pump station and force main in collaboration with the Developer's Engineer.

Sanitary Sewer Replacement Permitting (R001178.0734)

- The permit applications were reviewed with staff and a field visit was conducted to examine critical areas. The drawings are being revised accordingly.

Developer Plan Reviews:

- Mount Nittany Manor, Phase 1 (1178.0736): Design drawings were recommended for approval on October 23, 2024.
- Mount Nittany Manor, Phase 2 (1178.0737): Design drawings were recommended for approval on October 23, 2024.
- Mount Nittany Elementary School (1178.0739): Design drawings were recommended for approval on November 5, 2024.

6.6 Executive Director's Report

Mr. Miller provided an update on the State College Borough.

7. Other Business

None.

Executive Session

A motion was made by Mr. Nucciarone, second by Mr. Kunkle, to go into an executive session at 5:14 pm, to discuss the Solar Phase I Purchase Negotiation. A motion was then made by Mr. Nucciarone, second by Mr. Glebe to come out of executive session at 5:40 pm. Both motions passed unanimously.

8. Adjournment

A motion was made by Mr. Nucciarone, second by Mr. Glebe, to adjourn the meeting at 5:40 pm. The motion was passed unanimously.

Respectfully submitted,
UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary

DRAFT

UNIVERSITY AREA JOINT AUTHORITY

YEAR-TO-DATE BUDGET REPORT



FOR 2024 11

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
1040410 REVENUE-SEWER	-17,593,111	0	-17,593,111	-13,509,249.74	.00	-4,083,861.26	76.8%
1040420 REVENUE-SOLIDS	-38,000	0	-38,000	-43,587.05	.00	5,587.05	114.7%
1040425 REVENUE-BU WATER	-25,000	0	-25,000	-21,842.00	.00	-3,158.00	87.4%
1040440 REVENUE-PERMIT/TAP FEES	-1,057,425	0	-1,057,425	-1,028,909.16	.00	-28,515.84	97.3%
1040450 REVENUE-ADVCD. CONSTR FEE	-40,000	0	-40,000	-41,886.99	.00	1,886.99	104.7%
1040451 REVENUE-MISC. REIMBURSEMENT	-23,000	0	-23,000	-11,443.43	.00	-11,556.57	49.8%
1040470 INTEREST EARNINGS-CASH ACCT	-1,900	0	-1,900	-1,619.50	.00	-280.50	85.2%
1040472 INTEREST EARNINGS-PLIGIT	-400	0	-400	-510.14	.00	110.14	127.5%
1040474 INTEREST EARNINGS - TRUSTEE	-93,820	0	-93,820	-1,283,966.03	.00	1,190,146.03	1368.5%
1040480 REVENUES-MISCELLANEOUS	-183,469	0	-183,469	-136,778.66	.00	-46,690.34	74.6%
1045919 CIP-WWTP-LAB	0	35,000	35,000	23,473.63	.00	11,526.37	67.1%
1045921 CIP-COLLECTION MAINT I&I	499,400	0	499,400	314,966.24	.00	184,433.76	63.1%
1045922 CIP-COLLECTION-CONST. EQUIP	161,500	0	161,500	135,252.63	.00	26,247.37	83.7%
1045924 CIP-WWTP-PHYSICAL PLANT	1,432,980	3,518,300	4,951,280	286,326.42	.00	4,664,953.58	5.8%
1045928 CIP-BENEFICIAL REUSE	70,000	0	70,000	68,860.00	.00	1,140.00	98.4%
1045929 CIP-WWTP-DEWATERING FACILIT	0	60,000	60,000	0	.00	60,000.00	0%
1045930 CIP-WWTP-COMPOST FACILITY	30,456,400	178,000	30,634,400	23,851,453.15	.00	6,782,946.85	77.9%
1050050 GENERAL & ADMINISTRATIVE	2,060,449	0	2,060,449	1,967,337.92	.00	93,111.08	95.5%
1050053 G & A - INFORMATION TECHNOL	211,600	0	211,600	168,399.32	.00	43,200.68	79.6%
1050054 G & A - FLEET/FUEL	265,000	0	265,000	176,250.44	.00	88,749.56	66.5%
1052052 DEBT SERVICE	6,781,973	0	6,781,973	7,980,975.05	.00	-1,199,002.05	117.7%
1060019 WWTP - LABORATORY	377,602	0	377,602	333,417.41	.00	44,184.59	88.3%
1060022 TREATMENT PLANT MAINTENANCE	1,300,005	0	1,300,005	1,140,954.34	.00	159,050.66	87.8%
1060023 MAIN STATION	140,000	0	140,000	50,518.62	.00	89,481.38	36.1%
1060025 WWTP - IPP	120,739	0	120,739	112,525.29	.00	8,213.71	93.2%
1060028 WWTP - BENEFICIAL REUSE	1,066,977	0	1,066,977	930,288.28	.00	136,688.72	87.2%
1060029 WWTP - DEWATERING	530,006	0	530,006	407,559.31	.00	122,446.69	76.9%
1060030 WWTP - COMPOST	582,489	0	582,489	401,502.22	.00	180,986.78	68.9%
1060032 TREATMENT PLANT OPERATION	2,486,869	126,000	2,612,869	2,351,535.58	.00	261,333.42	90.0%
1070021 COLLECTION-MAINTENANCE	1,791,505	0	1,791,505	1,644,726.56	.00	146,778.44	91.8%
1070022 CONSTRUCT EQUIP MAINTENANCE	88,000	0	88,000	46,076.16	.00	41,923.84	52.4%
1070034 COLLECTION-INSPECTION	532,581	0	532,581	455,973.30	.00	76,607.70	85.6%
1070036 COLLECTION-PUMP STATION	160,900	0	160,900	118,165.78	.00	42,734.22	73.4%
TOTAL OPERATING FUND	32,060,850	3,917,300	35,978,150	26,886,744.95	.00	9,091,405.05	74.7%
TOTAL REVENUES	-19,056,125	0	-19,056,125	-16,079,792.70	.00	-2,976,332.30	
TOTAL EXPENSES	51,116,975	3,917,300	55,034,275	42,966,537.65	.00	12,067,737.35	

UNIVERSITY AREA JOINT AUTHORITY

YEAR-TO-DATE BUDGET REPORT



FOR 2024 11

	ORIGINAL APPROP	TRANSFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
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GRAND TOTAL	32,060,850	3,917,300	35,978,150	26,886,744.95	.00	9,091,405.05	74.7%
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** END OF REPORT - Generated by Sierra weight **

UNIVERSITY AREA JOINT AUTHORITY



YEAR-TO-DATE BUDGET REPORT

FOR 2024 11

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
1040410 REVENUE--SEWER							
1040410 4101 UAJA TOTAL SEWER R	-12,037,212	0	-12,037,212	-8,916,530.30	.00	-3,120,681.70	74.1%*
1040410 4102 BORO SEWER TOTAL R	-4,990,280	0	-4,990,280	-4,139,613.82	.00	-850,666.18	83.0%*
1040410 4103 PGM TOTAL SEWER RE	-385,619	0	-385,619	-275,740.70	.00	-109,878.30	71.5%*
1040410 4104 PSU TOTAL SEWER RE	-55,000	0	-55,000	-59,336.42	.00	4,336.42	107.9%
1040410 4105 SURCHARGES TOTAL R	-125,000	0	-125,000	-118,028.50	.00	-6,971.50	94.4%*
TOTAL REVENUE--SEWER	-17,593,111	0	-17,593,111	-13,509,249.74	.00	-4,083,861.26	76.8%
1040420 REVENUE--SOLIDS							
1040420 4201 N5001 NONTAXABLE	-15,000	0	-15,000	-25,826.00	.00	10,826.00	172.2%
1040420 4201 N5002 TAXABLE COMPO	-3,000	0	-3,000	-1,911.75	.00	-1,088.25	63.7%*
1040420 4203 SLUDGE DISPOSAL	-20,000	0	-20,000	-15,849.30	.00	-4,150.70	79.2%*
TOTAL REVENUE--SOLIDS	-38,000	0	-38,000	-43,587.05	.00	5,587.05	114.7%
1040425 REVENUE--BU WATER							
1040425 4251 REVENUE-BU WATER	-25,000	0	-25,000	-21,842.00	.00	-3,158.00	87.4%*
TOTAL REVENUE--BU WATER	-25,000	0	-25,000	-21,842.00	.00	-3,158.00	87.4%
1040440 REVENUE--PERMIT/TAP FEES							
1040440 4401 PERMIT/CONNECTION	-15,000	0	-15,000	-10,900.00	.00	-4,100.00	72.7%*
1040440 4402 TAP FEE-TREATMENT	-1,005,175	0	-1,005,175	-966,768.58	.00	-38,406.42	96.2%*
1040440 4403 GHANER TAP FEE	-6,000	0	-6,000	-10,710.00	.00	4,710.00	178.5%
1040440 4405 IPP USER FEES	-3,800	0	-3,800	-3,800.00	.00	.00	100.0%
1040440 4409 WATER QUALITY MNGT	-300	0	-300	-200.00	.00	-100.00	66.7%*
1040440 4410 REPAIR PERMIT	-1,500	0	-1,500	-1,150.00	.00	-350.00	76.7%*
1040440 4411 TAP FEE - ROUTE 26	-5,650	0	-5,650	-7,253.00	.00	1,603.00	128.4%
1040440 4412 CIRCLEVILLE TAP FE	0	0	0	-3,058.38	.00	3,058.38	100.0%
1040440 4413 VALLEY VISTA TAP F	-20,000	0	-20,000	-16,377.20	.00	-3,622.80	81.9%*
1040440 4414 GREENBRIAR SPECIAL	0	0	0	-8,692.00	.00	8,692.00	100.0%

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TOTAL REVENUE-PERMIT/TAP FEES	-1,057,425	0	-1,057,425	-1,028,909.16	.00	-28,515.84	97.3%
1040450 REVENUE-ADVCD. CONSTR. FEE							
1040450 4407 INSPECTION FEES	-40,000	0	-40,000	-323.78	.00	-39,676.22	.8%*
1040450 4407 B5474 INSPECTION FE	0	0	0	-3,366.92	.00	3,366.92	100.0%
1040450 4407 B5480 INSPECTION FE	0	0	0	-2,605.96	.00	2,605.96	100.0%
1040450 4407 B5487 INSPECTION FE	0	0	0	-25,312.24	.00	25,312.24	100.0%
1040450 4407 B5494 INSPECTION FE	0	0	0	-3,000.48	.00	3,000.48	100.0%
1040450 4407 B5495 INSPECTION FE	0	0	0	-1,176.24	.00	1,176.24	100.0%
1040450 4407 B5496 INSPECTION FE	0	0	0	-1,499.46	.00	1,499.46	100.0%
1040450 4407 B5498 INSPECTION FE	0	0	0	-1,805.11	.00	1,805.11	100.0%
1040450 4407 B5500 INSPECTION FE	0	0	0	-2,796.80	.00	2,796.80	100.0%
TOTAL REVENUE-ADVCD. CONSTR. FEE	-40,000	0	-40,000	-41,886.99	.00	1,886.99	104.7%
1040451 REVENUE-MISC. REIMBURSEMNT							
1040451 4503 EMPLOYEE GROUP INS	-23,000	0	-23,000	-11,443.43	.00	-11,556.57	49.8%*
TOTAL REVENUE-MISC. REIMBURSEMNT	-23,000	0	-23,000	-11,443.43	.00	-11,556.57	49.8%
1040470 INTEREST EARNINGS-CASH ACCTS							
1040470 4701 GENERAL CHECKING-I	-1,000	0	-1,000	-893.30	.00	-106.70	89.3%*
1040470 4702 PAYROLL-INTEREST E	-100	0	-100	-135.53	.00	35.53	135.5%
1040470 4717 SWEEP CHECKING-INT	-800	0	-800	-590.67	.00	-209.33	73.8%*
TOTAL INTEREST EARNINGS-CASH ACCTS	-1,900	0	-1,900	-1,619.50	.00	-280.50	85.2%
1040472 INTEREST EARNINGS-PLIGIT							
1040472 4703 PLIGIT-INTEREST EA	-100	0	-100	-75.99	.00	-24.01	76.0%*
1040472 4719 PLIGIT PLUS - INTE	-300	0	-300	-434.15	.00	134.15	144.7%
TOTAL INTEREST EARNINGS-PLIGIT	-400	0	-400	-510.14	.00	110.14	127.5%

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1040474 INTEREST EARNINGS - TRUSTEE							
1040474 4706 BOND REMP/IMP-INTE	-3,000	0	-3,000	-8,709.30	.00	5,709.30	290.3%
1040474 4724 INTEREST 93 DEBT S	-82,000	0	-82,000	-42,147.57	.00	-39,852.43	51.4%*
1040474 4725 INT 93 OPERATING E	-8,160	0	-8,160	-3,546.52	.00	-4,613.48	43.5%*
1040474 4726 INT 93 DEBT SERVIC	-10	0	-10	-1,204,067.04	.00	1,204,057.04	%
1040474 4727 INT REVENUE FUND	-100	0	-100	-25,306.68	.00	25,206.68	*****%
1040474 4733 2020A CONSTRUCTION	-200	0	-200	-11.06	.00	-188.94	5.5%*
1040474 4734 2021 CONSTRUCTION	-350	0	-350	-177.86	.00	-172.14	50.8%*
TOTAL INTEREST EARNINGS - TRUSTEE	-93,820	0	-93,820	-1,283,966.03	.00	1,190,146.03	1368.5%
1040480 REVENUES-MISCELLANEOUS							
1040480 4899 MISCELLANEOUS RECE	-20,000	0	-20,000	-30,534.16	.00	10,534.16	152.7%
1040480 4909 SOLAR MAINTENANCE	-45,000	0	-45,000	-60,000.00	.00	15,000.00	133.3%
1040480 4910 SREC	-118,469	0	-118,469	-46,244.50	.00	-72,224.50	39.0%*
TOTAL REVENUES-MISCELLANEOUS	-183,469	0	-183,469	-136,778.66	.00	-46,690.34	74.6%
1045919 CIP-WWTP-LAB							
1045919 0019 6267 HACH RIO SYSTE	0	35,000	35,000	23,473.63	.00	11,526.37	67.1%
TOTAL CIP-WWTP-LAB	0	35,000	35,000	23,473.63	.00	11,526.37	67.1%
1045921 CIP-COLLECTION MAINT I&T							
1045921 0021 6337 PRINCETON DRIV	25,000	0	25,000	11,321.06	.00	13,678.94	45.3%
1045921 0021 6404 WILTSHIRE DRIV	190,000	0	190,000	125,848.88	.00	64,151.12	66.2%
1045921 0021 6406 BARKWAY/WILTS	55,000	0	55,000	34,528.36	.00	20,471.64	62.8%
1045921 0021 6407 FOX HOLLOW BAC	50,000	0	50,000	45,023.44	.00	4,976.56	90.0%
1045921 0021 6409 GREENWOOD CIRC	37,500	0	37,500	19,720.70	.00	17,779.30	52.6%
1045921 0021 6411 PARK LN SEWER	15,000	0	15,000	10,130.00	.00	4,870.00	67.5%
1045921 5405 6300 SCOTT ROAD UPG	5,400	0	5,400	5,547.50	.00	-147.50	102.7%*
1045921 5405 6337 PRINCETON DRIV	1,500	0	1,500	1,518.40	.00	-18.40	101.2%*

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1045921 5405 6408 FOX HOLLOW BAC	15,000	0	15,000	12,544.00	.00	2,456.00	83.6%
1045921 5405 6410 ENGINEERING	50,000	0	50,000	.00	.00	50,000.00	.0%
1045921 ER05 6405 RENTAL-TRUCK	50,000	0	50,000	46,117.50	.00	3,882.50	92.2%
1045921 PV01 6337 PRINCETON DRIV	5,000	0	5,000	2,666.40	.00	2,333.60	53.3%
TOTAL CIP-COLLECTION MAINT I&I	499,400	0	499,400	314,966.24	.00	184,433.76	63.1%
1045922 CIP-COLLECTION-CONST. EQUIPM							
1045922 0021 6412 NEW UNIT 16	84,000	0	84,000	70,785.93	.00	13,214.07	84.3%
1045922 0021 6413 MCCROMETER - F	20,000	0	20,000	16,819.80	.00	3,180.20	84.1%
1045922 0021 6414 LATERAL JETTER	19,000	0	19,000	19,000.00	.00	.00	100.0%
1045922 0021 6415 LATERAL PUSH C	16,000	0	16,000	11,406.90	.00	4,593.10	71.3%
1045922 0021 6416 MOBILE CAMERA	15,000	0	15,000	9,750.00	.00	5,250.00	65.0%
1045922 0021 6417 CAPITAL IN PRO	7,500	0	7,500	7,490.00	.00	10.00	99.9%
TOTAL CIP-COLLECTION-CONST. EQUIPM	161,500	0	161,500	135,252.63	.00	26,247.37	83.7%
1045924 CIP-WWTP-PHYSICAL PLANT							
1045924 0024 6238 TRUCK BED W/ C	0	50,000	50,000	.00	.00	50,000.00	.0%
1045924 0024 6304 PRIMARY SCUM P	0	22,000	22,000	21,764.00	.00	236.00	98.9%
1045924 0024 6320 PRIMARY VALVE R	0	25,000	25,000	22,892.28	.00	2,107.72	91.6%
1045924 0024 6321 PLC REPLACEMENT	0	80,000	80,000	.00	.00	80,000.00	.0%
1045924 0024 6322 UAJA ENTRANCE	0	0	0	-675.00	.00	675.00	100.0%
1045924 0024 6324 OZONE DISINFEC	31,750	0	31,750	47,452.00	.00	-15,702.00	149.5%*
1045924 0024 6325 OZONE DISINFEC	301,050	0	301,050	167,319.24	.00	133,730.76	55.6%
1045924 0024 6333 DISSOLVED PHOS	97,000	0	97,000	.00	.00	97,000.00	.0%
1045924 0024 6334 SOLAR ARRAY PU	0	3,000,000	3,000,000	.00	.00	3,000,000.00	.0%
1045924 0024 6345 CAPITAL IN PRO	35,400	0	35,400	.00	.00	35,400.00	.0%
1045924 0024 6347 CAPITAL IN PRO	61,000	0	61,000	.00	.00	61,000.00	.0%
1045924 0024 6349 CAPITAL IN PRO	518,000	0	518,000	.00	.00	518,000.00	.0%
1045924 0024 6353 CAPITAL IN PRO	262,100	0	262,100	.00	.00	262,100.00	.0%
1045924 0024 6401 ELECTRICAL SER	0	238,300	238,300	.00	.00	238,300.00	.0%
1045924 0024 6403 TRANSFORMER TE	0	64,000	64,000	.00	.00	64,000.00	.0%
1045924 0024 6418 FLOOR REPAIRS	0	22,000	22,000	18,581.00	.00	3,419.00	84.5%
1045924 5405 6346 ENGINEERING	6,940	0	6,940	.00	.00	6,940.00	.0%
1045924 5405 6348 ENGINEERING	19,300	0	19,300	.00	.00	19,300.00	.0%
1045924 5405 6350 ENGINEERING	47,000	0	47,000	.00	.00	47,000.00	.0%
1045924 5405 6354 ENGINEERING	20,240	0	20,240	.00	.00	20,240.00	.0%

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1045924 5405 6357 ENGINEERING	33,200	0	33,200	.00	.00	33,200.00	.0%
1045924 5405 6358 PLANT PS REPAI	0	12,000	12,000	8,992.90	.00	3,007.10	74.9%
1045924 5405 6402 ENGINEERING	0	5,000	5,000	.00	.00	5,000.00	.0%
TOTAL CIP-WMTP--PHYSICAL PLANT	1,432,980	3,518,300	4,951,280	286,326.42	.00	4,664,953.58	5.8%
1045928 CIP-BENEFICIAL REUSE							
1045928 0028 6239 MF MEMBRANE RE	70,000	0	70,000	68,860.00	.00	1,140.00	98.4%
TOTAL CIP-BENEFICIAL REUSE	70,000	0	70,000	68,860.00	.00	1,140.00	98.4%
1045929 CIP-WMTP--DEWATERING FACILITY							
1045929 0029 6243 LONG/SHORT BEL	0	60,000	60,000	.00	.00	60,000.00	.0%
TOTAL CIP-WMTP--DEWATERING FACILITY	0	60,000	60,000	.00	.00	60,000.00	.0%
1045930 CIP-WMTP--COMPOST FACILITY							
1045930 0030 6326 SOLIDS DRYING	386,400	0	386,400	601,428.44	.00	-215,028.44	155.6%*
1045930 0030 6327 SOLIDS DRYING	30,000,000	0	30,000,000	23,173,021.67	.00	6,826,978.33	77.2%
1045930 0030 6398 CAPITAL IN PRO	70,000	0	70,000	.00	.00	70,000.00	.0%
1045930 0030 6399 SWEEPER	0	100,000	100,000	.00	.00	100,000.00	.0%
1045930 0030 6400 TOOL CAT UTILI	0	78,000	78,000	77,753.04	.00	246.96	99.7%
1045930 5405 6245 ODOR CONTROL E	0	0	0	-750.00	.00	750.00	100.0%
TOTAL CIP-WMTP--COMPOST FACILITY	30,456,400	178,000	30,634,400	23,851,453.15	.00	6,782,946.85	77.9%
1050050 GENERAL & ADMINISTRATIVE							
1050050 5001 SUPERVISOR LABOR	308,350	0	308,350	231,676.49	.00	76,673.51	75.1%
1050050 5002 REGULAR LABOR	310,935	0	310,935	334,013.85	.00	-23,078.85	107.4%*
1050050 5006 VACATION	0	0	0	48,417.86	.00	-48,417.86	100.0%*
1050050 5007 SICK	0	0	0	23,727.07	.00	-23,727.07	100.0%*
1050050 5008 PERSONAL	0	0	0	4,328.33	.00	-4,328.33	100.0%*

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1050050 5010 HOLIDAY	0	0	0	24,877.21	.00	-24,877.21	100.0%*
1050050 5101 FICA EXPENSE	38,396	0	38,396	41,626.84	.00	-3,230.84	108.4%*
1050050 5102 MEDICARE EXPENSE	8,980	0	8,980	9,735.34	.00	-755.34	108.4%*
1050050 5201 UNEMPLOYMENT EXPEN	23,000	0	23,000	18,045.61	.00	4,954.39	78.5%
1050050 5202 GROUP HEALTH INSUR	122,970	0	122,970	101,134.32	.00	21,835.68	82.2%
1050050 5203 PENSION (401) UAJA	61,928	0	61,928	66,704.29	.00	-4,776.29	107.7%*
1050050 5205 COBRA EMPLOYEE INS	28,000	0	28,000	11,667.58	.00	16,332.42	41.7%
1050050 5207 GROUP LIFE INSURAN	135,000	0	135,000	127,088.13	.00	7,911.87	94.1%
1050050 5208 HEALTH DEDUCTIBLE	150,000	0	150,000	140,246.45	.00	9,753.55	93.5%
1050050 5301 OFFICE SUPPLIES	20,000	0	20,000	15,804.68	.00	4,195.32	79.0%
1050050 5302 POSTAGE/SHIPPING	40,000	0	40,000	36,721.70	.00	3,278.30	91.8%
1050050 5303 JANITORIAL SUPPLIE	7,000	0	7,000	6,260.60	.00	739.40	89.4%
1050050 5307 PETTY CASH EXPENDI	150	0	150	35.97	.00	114.03	24.0%
1050050 5401 ADVERTISING	1,500	0	1,500	446.69	.00	1,053.31	29.8%
1050050 5402 AUDIT	24,250	0	24,250	24,694.91	.00	-444.91	101.8%*
1050050 5405 ENGINEERING-RETAIN	1,000	0	1,000	1,000.00	.00	.00	100.0%
1050050 5406 LEGAL	75,000	0	75,000	72,904.57	.00	2,095.43	97.2%
1050050 5408 INSURANCE - COMMER	372,170	0	372,170	330,937.07	.00	41,232.93	88.9%
1050050 5499 MISCELLANEOUS OUTS	40,000	0	40,000	63,774.31	.00	-23,774.31	159.4%*
1050050 5501 1054 O & M - COPIER	0	0	0	2,999.85	.00	-2,999.85	100.0%*
1050050 5601 COMMUNICATIONS	30,000	0	30,000	12,799.24	.00	17,200.76	42.7%
1050050 5701 TRAINING, SEMINARS	20,000	0	20,000	10,409.12	.00	9,590.88	52.0%
1050050 5702 MEMBERSHIPS, SUBSC	8,500	0	8,500	4,665.37	.00	3,834.63	54.9%
1050050 5703 UNIFORMS-BOOTS-GLO	22,000	0	22,000	9,086.10	.00	12,913.90	41.3%
1050050 5704 VACCINATIONS	8,000	0	8,000	366.50	.00	7,633.50	4.6%
1050050 5706 EMPLOYEE/EMPLOYER	3,000	0	3,000	3,611.66	.00	-611.66	120.4%*
1050050 5707 MEAL ALLOWANCE	500	0	500	7.43	.00	492.57	1.5%
1050050 5708 SAFETY EQUIPMENT	8,000	0	8,000	4,881.06	.00	3,118.94	61.0%
1050050 5710 DRUG/ALCOHOL TESTI	1,300	0	1,300	1,110.00	.00	190.00	85.4%
1050050 6006 MISCELLANEOUS EXPE	1,000	0	1,000	1,247.61	.00	-247.61	124.8%*
1050050 6007 BANK FEES/CHARGES	0	0	0	370.15	.00	-370.15	100.0%*
1050050 6008 WRITE OFF	0	0	0	49,075.90	.00	-49,075.90	100.0%*
1050050 6015 WATER-CTWA	11,000	0	11,000	11,711.24	.00	-711.24	106.5%*
1050050 6017 GARBAGE	8,000	0	8,000	5,886.32	.00	2,113.68	73.6%
1050050 6019 CNET	9,690	0	9,690	7,267.50	.00	2,422.50	75.0%
1050050 6382 CUSTODIAN SERVICES	52,800	0	52,800	33,250.00	.00	19,550.00	63.0%
1050050 6383 PEST CONTROL	3,100	0	3,100	875.00	.00	2,225.00	28.2%
1050050 7512 PUDDINTOWN SPECIAL	55,000	0	55,000	39,393.50	.00	15,606.50	71.6%
1050050 7513 RATE STUDY	49,930	0	49,930	32,454.50	.00	17,475.50	65.0%
TOTAL GENERAL & ADMINISTRATIVE	2,060,449	0	2,060,449	1,967,337.92	.00	93,111.08	95.5%
1050053 G & A - INFORMATION TECHNOLOGY							
1050053 IT71 INTERNET SERVICE	9,700	0	9,700	3,909.90	.00	5,790.10	40.3%

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1050053 IT72 HARDWARE-DATA PROC	50,800	0	50,800	17,692.07	.00	33,107.93	34.8%
1050053 IT73 SOFTWARE-DATA PROC	127,000	0	127,000	131,325.57	.00	-4,325.57	103.4%*
1050053 IT74 IT MOBILE	24,100	0	24,100	15,471.78	.00	8,628.22	64.2%
TOTAL G & A - INFORMATION TECHNOLOGY	211,600	0	211,600	168,399.32	.00	43,200.68	79.6%
1050054 G & A - FLEET/FUEL							
1050054 5502 VEHICLE MAINTENANC	80,000	0	80,000	68,768.01	.00	11,231.99	86.0%
1050054 5603 1006 GASOLINE.	35,000	0	35,000	26,296.26	.00	8,703.74	75.1%
1050054 5603 1008 DIESEL FUEL	150,000	0	150,000	81,186.17	.00	68,813.83	54.1%
TOTAL G & A - FLEET/FUEL	265,000	0	265,000	176,250.44	.00	88,749.56	66.5%
1052052 DEBT SERVICE							
1052052 5801 INTEREST PAID-1993	1,901,723	0	1,901,723	3,418,075.05	.00	-1,516,352.05	179.7%*
1052052 5901 PRINCIPAL PAID-199	4,864,500	0	4,864,500	4,549,500.00	.00	315,000.00	93.5%
1052052 6122 2015 TRUSTEE FEES	1,750	0	1,750	1,650.00	.00	100.00	94.3%
1052052 6125 TRUSTEE FESS 2017A	1,750	0	1,750	1,750.00	.00	.00	100.0%
1052052 6126 TRUSTEE FEE 2017B	1,750	0	1,750	.00	.00	1,750.00	0%
1052052 6127 TRUSTEE FEE 2018	1,750	0	1,750	1,650.00	.00	100.00	94.3%
1052052 6128 TRUSTEE FEE 2020	1,750	0	1,750	1,650.00	.00	100.00	94.3%
1052052 6129 TRUSTEE FEE 20A	1,750	0	1,750	1,650.00	.00	100.00	94.3%
1052052 6130 TRUSTEE FEE 21	1,750	0	1,750	1,650.00	.00	100.00	94.3%
1052052 6131 TRUSTEE FEE 21A	1,750	0	1,750	1,650.00	.00	100.00	94.3%
1052052 6132 TRUSTEE FEE 22	1,750	0	1,750	1,750.00	.00	.00	100.0%
TOTAL DEBT SERVICE	6,781,973	0	6,781,973	7,980,975.05	.00	-1,199,002.05	117.7%
1060019 WWTP - LABORATORY							
1060019 5001 SUPERVISOR LABOR	89,982	0	89,982	70,600.21	.00	19,381.79	78.5%
1060019 5002 REGULAR LABOR	142,522	0	142,522	116,069.65	.00	26,452.35	81.4%
1060019 5003 OVERTIME LABOR	2,500	0	2,500	5,350.40	.00	-2,850.40	214.0%*
1060019 5004 SHIFT LABOR	0	0	0	30.12	.00	-30.12	100.0%*
1060019 5006 VACATION	0	0	0	15,506.21	.00	-15,506.21	100.0%*
1060019 5007 SICK	0	0	0	4,542.98	.00	-4,542.98	100.0%*

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1060019 5008 PERSONAL DAY	0	0	0	1,748.82	.00	-1,748.82	100.0%*
1060019 5009 JURY/CIVIL/VOLUNTE	0	0	0	275.13	.00	-275.13	100.0%*
1060019 5010 HOLIDAY	0	0	0	5,165.49	.00	-5,165.49	100.0%*
1060019 5101 FICA EXPENSE	14,415	0	14,415	13,795.79	.00	619.21	95.7%
1060019 5102 MEDICARE EXPENSE	3,371	0	3,371	3,226.35	.00	144.65	95.7%
1060019 5202 GROUP HEALTH INSUR	55,125	0	55,125	32,598.45	.00	22,526.55	59.1%
1060019 5203 PENSION (401) UAJA	19,687	0	19,687	18,123.99	.00	1,563.01	92.1%
1060019 5305 SMALL EQUIPMT/TOOL	8,500	0	8,500	9,168.67	.00	-668.67	107.9%*
1060019 5306 LAB SUPPLIES	38,000	0	38,000	18,748.34	.00	19,251.66	49.3%
1060019 5501 EQUIPMENT MAINTENA	3,500	0	3,500	18,466.81	.00	-14,966.81	527.6%*
TOTAL WWTM - LABORATORY	377,602	0	377,602	333,417.41	.00	44,184.59	88.3%
1060022 TREATMENT PLANT MAINTENANCE							
1060022 5001 SUPERVISOR LABOR	42,019	0	42,019	35,207.50	.00	6,811.50	83.8%
1060022 5002 REGULAR LABOR	456,211	0	456,211	382,752.48	.00	73,458.52	83.9%
1060022 5003 OVERTIME LABOR	8,000	0	8,000	390.64	.00	7,609.36	4.9%
1060022 5006 VACATION	0	0	0	10,629.50	.00	-10,629.50	100.0%*
1060022 5007 SICK	0	0	0	11,180.55	.00	-11,180.55	100.0%*
1060022 5008 PERSONAL DAY	0	0	0	2,154.28	.00	-2,154.28	100.0%*
1060022 5009 JURY/CIVIL/VOLUNTE	0	0	0	839.09	.00	-839.09	100.0%*
1060022 5010 HOLIDAY	0	0	0	17,681.63	.00	-17,681.63	100.0%*
1060022 5101 FICA EXPENSE	35,086	0	35,086	30,278.54	.00	4,807.46	86.3%
1060022 5102 MEDICARE EXPENSE	8,206	0	8,206	7,081.04	.00	1,124.96	86.3%
1060022 5202 GROUP HEALTH INSUR	103,810	0	103,810	82,344.62	.00	21,465.38	79.3%
1060022 5203 PENSION (401) UAJA	43,493	0	43,493	35,377.32	.00	8,115.68	81.3%
1060022 5304 OPERATIONAL SUPPLI	5,000	0	5,000	2,298.62	.00	2,701.38	46.0%
1060022 5305 SMALL EQUIPMT/TOOL	14,000	0	14,000	10,184.62	.00	3,815.38	72.7%
1060022 5501 EQUIPMENT MAINTENA	200,000	0	200,000	191,627.22	.00	8,372.78	95.8%
1060022 5501 6174 SCADIA MAINT	80,000	0	80,000	43,315.36	.00	36,684.64	54.1%
1060022 5501 6175 UV MAINT	32,000	0	32,000	54,956.44	.00	-22,956.44	171.7%*
1060022 5501 6283 SOLAR MAINTENA	120,000	0	120,000	57,073.31	.00	62,926.69	47.6%
1060022 5503 BUILDING & GROUND	45,000	0	45,000	50,544.31	.00	-5,544.31	112.3%*
1060022 5508 GRIT REMOVAL-PLANT	25,000	0	25,000	39,930.19	.00	-14,930.19	159.7%*
1060022 5603 FUEL, OIL, LUBRICA	25,000	0	25,000	25,421.81	.00	-421.81	101.7%*
1060022 6384 SOLAR GRAZING	17,180	0	17,180	17,180.00	.00	.00	100.0%
1060022 7511 LANDSCAPE	40,000	0	40,000	32,505.27	.00	7,494.73	81.3%
TOTAL TREATMENT PLANT MAINTENANCE	1,300,005	0	1,300,005	1,140,954.34	.00	159,050.66	87.8%
1060023 MAIN STATION							
1060023 5001 B5001 SUPERVISOR LA	0	0	0	36.24	.00	-36.24	100.0%*

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1060023 5002 B5001 REGULAR LABOR	0	0	0	12,581.34	.00	-12,581.34	100.0%*
1060023 5101 B5001 FICA EXPENSE	0	0	0	782.30	.00	-782.30	100.0%*
1060023 5102 B5001 MEDICARE EXPE	0	0	0	183.01	.00	-183.01	100.0%*
1060023 5202 B5001 GROUP HEALTH	0	0	0	1,952.44	.00	-1,952.44	100.0%*
1060023 5203 B5001 PENSION (401)	0	0	0	944.56	.00	-944.56	100.0%*
1060023 5505 B5001 PUMP STATION	75,000	0	75,000	3,838.35	.00	71,161.65	5.1%
1060023 5602 B5001 O&M MAIN STAT	65,000	0	65,000	30,200.38	.00	34,799.62	46.5%
TOTAL MAIN STATION	140,000	0	140,000	50,518.62	.00	89,481.38	36.1%
1060025 WWTP - IPP							
1060025 5001 SUPERVISOR LABOR	89,982	0	89,982	70,501.99	.00	19,480.01	78.4%
1060025 5006 VACATION	0	0	0	8,080.12	.00	-8,080.12	100.0%*
1060025 5007 SICK	0	0	0	1,397.93	.00	-1,397.93	100.0%*
1060025 5010 HOLIDAY	0	0	0	3,096.27	.00	-3,096.27	100.0%*
1060025 5101 FICA EXPENSE	5,579	0	5,579	5,216.82	.00	362.18	93.5%
1060025 5102 MEDICARE EXPENSE	1,305	0	1,305	1,220.09	.00	84.91	93.5%
1060025 5202 GROUP HEALTH INSUR	10,475	0	10,475	12,004.41	.00	-1,529.41	114.6%*
1060025 5203 PENSION (401) UAJA	8,998	0	8,998	8,307.46	.00	690.54	92.3%
1060025 5305 SMALL EQUIPMT/TOOL	400	0	400	.00	.00	400.00	.0%
1060025 5410 ANALYSIS	3,000	0	3,000	1,803.20	.00	1,196.80	60.1%
1060025 5501 EQUIPMENT MAINTENA	1,000	0	1,000	897.00	.00	103.00	89.7%
TOTAL WWTP - IPP	120,739	0	120,739	112,525.29	.00	8,213.71	93.2%
1060028 WWTP - BENEFICIAL REUSE							
1060028 5001 SUPERVISOR LABOR	42,018	0	42,018	35,207.50	.00	6,810.50	83.8%
1060028 5006 VACATION	0	0	0	1,900.74	.00	-1,900.74	100.0%*
1060028 5007 SICK	0	0	0	463.55	.00	-463.55	100.0%*
1060028 5010 HOLIDAY	0	0	0	1,450.88	.00	-1,450.88	100.0%*
1060028 5101 FICA EXPENSE	2,605	0	2,605	2,419.46	.00	185.54	92.9%
1060028 5102 MEDICARE EXPENSE	609	0	609	565.86	.00	43.14	92.9%
1060028 5202 GROUP HEALTH INSUR	9,045	0	9,045	7,080.36	.00	1,964.64	78.3%
1060028 5203 PENSION (401) UAJA	4,202	0	4,202	3,902.06	.00	299.94	92.9%
1060028 5304 OPERATIONAL SUPPLI	17,000	0	17,000	12,893.46	.00	4,106.54	75.8%
1060028 5305 1065 OPERATIONAL SU	587,500	0	587,500	511,822.35	.00	75,677.65	87.1%
1060028 5305 SMALL EQUIPMT/TOOL	2,000	0	2,000	1,540.51	.00	459.49	77.0%
1060028 5410 LAB ANALYSIS	16,000	0	16,000	19,759.70	.00	-3,759.70	123.5%*

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1060028 5501 EQUIPMENT MAINTENA	165,000	0	165,000	149,883.62	.00	15,116.38	90.8%
1060028 5602 1064 POWER	150,998	0	150,998	122,510.87	.00	28,487.13	81.1%
1060028 5605 CTWA REIMBURSE	70,000	0	70,000	58,887.36	.00	11,112.64	84.1%
TOTAL WWTP - BENEFICIAL REUSE	1,066,977	0	1,066,977	930,288.28	.00	136,688.72	87.2%
1060029 WWTP - DEWATERING							
1060029 5001 SUPERVISOR LABOR	42,018	0	42,018	35,207.50	.00	6,810.50	83.8%
1060029 5002 REGULAR LABOR	141,640	0	141,640	104,321.02	.00	37,318.98	73.7%
1060029 5003 OVERTIME LABOR	3,500	0	3,500	1,037.22	.00	2,462.78	29.6%
1060029 5006 VACATION	0	0	0	11,138.80	.00	-11,138.80	100.0%*
1060029 5007 SICK	0	0	0	2,905.85	.00	-2,905.85	100.0%*
1060029 5008 PERSONAL	0	0	0	1,587.35	.00	-1,587.35	100.0%*
1060029 5010 HOLIDAY	0	0	0	6,037.87	.00	-6,037.87	100.0%*
1060029 5101 FICA EXPENSE	11,387	0	11,387	10,058.57	.00	1,328.43	88.3%
1060029 5102 MEDICARE EXPENSE	2,663	0	2,663	2,352.48	.00	310.52	88.3%
1060029 5202 GROUP HEALTH INSUR	53,760	0	53,760	47,145.69	.00	6,614.31	87.7%
1060029 5203 PENSION (401) UAJA	14,825	0	14,825	13,065.27	.00	1,759.73	88.1%
1060029 5304 OPERATIONAL SUPPLI	500	0	500	267.57	.00	232.43	53.5%
1060029 5304 1036 POLYMER	70,000	0	70,000	38,940.00	.00	31,060.00	55.6%
1060029 5501 EQUIPMENT MAINTENA	125,000	0	125,000	77,807.38	.00	47,192.62	62.2%
1060029 5602 1042 POWER-DEWATERI	64,713	0	64,713	55,686.74	.00	9,026.26	86.1%
TOTAL WWTP - DEWATERING	530,006	0	530,006	407,559.31	.00	122,446.69	76.9%
1060030 WWTP - COMPOST							
1060030 5001 SUPERVISOR LABOR	42,018	0	42,018	35,207.50	.00	6,810.50	83.8%
1060030 5002 REGULAR LABOR	181,332	0	181,332	45,486.49	.00	135,845.51	25.1%
1060030 5003 OVERTIME LABOR	0	0	0	16,212.71	.00	-16,212.71	100.0%*
1060030 5006 VACATION	0	0	0	3,268.08	.00	-3,268.08	100.0%*
1060030 5007 SICK	0	0	0	2,543.91	.00	-2,543.91	100.0%*
1060030 5008 PERSONAL	0	0	0	1,365.11	.00	-1,365.11	100.0%*
1060030 5010 HOLIDAY	0	0	0	5,582.26	.00	-5,582.26	100.0%*
1060030 5101 FICA EXPENSE	13,848	0	13,848	6,865.39	.00	6,982.61	49.6%
1060030 5102 MEDICARE EXPENSE	3,239	0	3,239	1,605.63	.00	1,633.37	49.6%
1060030 5202 GROUP HEALTH INSUR	72,750	0	72,750	23,459.02	.00	49,290.98	32.2%
1060030 5203 PENSION (401) UAJA	17,802	0	17,802	6,825.61	.00	10,976.39	38.3%
1060030 5304 OPERATIONAL SUPPLI	2,000	0	2,000	17.16	.00	1,982.84	.9%

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1060030 5304 1038 COMPOST AMEND	20,000	0	20,000	30,151.25	.00	-10,151.25	150.8%*
1060030 5305 SMALL EQUIPMT/TOOL	1,000	0	1,000	44.99	.00	955.01	4.5%
1060030 5409 LICENSE & FEES	5,000	0	5,000	1,726.71	.00	3,273.29	34.5%
1060030 5410 LAB ANALYSIS	8,500	0	8,500	1,704.00	.00	6,796.00	20.0%
1060030 5415 VECTOR CONTROL	0	0	0	-6,120.19	.00	6,120.19	100.0%
1060030 5501 EQUIPMENT MAINTENA	20,000	0	20,000	18,902.67	.00	1,097.33	94.5%
1060030 5506 1032 SKID STEER 184	2,500	0	2,500	514.39	.00	1,985.61	20.6%
1060030 5506 1033 FRONT END LOAD	6,000	0	6,000	5,363.63	.00	636.37	89.4%
1060030 5506 1055 STREET SWEEPER	2,500	0	2,500	955.26	.00	1,544.74	38.2%
1060030 5506 1062 CAT SKID STEER	4,000	0	4,000	6,827.69	.00	-2,827.69	170.7%*
1060030 5506 1071 LOADER MAINT 6	2,500	0	2,500	1,954.20	.00	545.80	78.2%
1060030 5506 1072 TROMMEL	2,500	0	2,500	33.46	.00	2,466.54	1.3%
1060030 5602 1041 POWER-COMPOST	35,000	0	35,000	100,236.13	.00	-65,236.13	286.4%*
1060030 5603 1007 NATURAL GAS -	140,000	0	140,000	90,769.16	.00	49,230.84	64.8%
TOTAL WWTP - COMPOST	582,489	0	582,489	401,502.22	.00	180,986.78	68.9%
1060032 TREATMENT PLANT OPERATION							
1060032 5001 SUPERVISOR LABOR	42,018	0	42,018	35,207.50	.00	6,810.50	83.8%
1060032 5002 REGULAR LABOR	703,953	0	703,953	524,206.54	.00	179,746.46	74.5%
1060032 5003 OVERTIME LABOR	120,000	0	120,000	220,207.09	.00	-100,207.09	183.5%*
1060032 5004 SHIFT LABOR	12,000	0	12,000	10,315.71	.00	1,684.29	86.0%
1060032 5006 VACATION	0	0	0	31,149.63	.00	-31,149.63	100.0%*
1060032 5007 SICK	0	0	0	31,605.81	.00	-31,605.81	100.0%*
1060032 5008 PERSONAL DAY	0	0	0	9,848.84	.00	-9,848.84	100.0%*
1060032 5009 JURY/CIVIL/VOLUNTE	0	0	0	230.49	.00	-230.49	100.0%*
1060032 5010 HOLIDAY	0	0	0	26,519.63	.00	-26,519.63	100.0%*
1060032 5101 FICA EXPENSE	47,847	0	47,847	55,521.37	.00	-7,674.37	116.0%*
1060032 5102 MEDICARE EXPENSE	10,817	0	10,817	12,984.94	.00	-2,167.94	120.0%*
1060032 5202 GROUP HEALTH INSUR	162,350	0	162,350	170,392.80	.00	-8,042.80	105.0%*
1060032 5203 PENSION (401) UAJA	56,998	0	56,998	41,219.27	.00	15,778.73	72.3%
1060032 5304 OPERATION SUPPLIES	1,000	0	1,000	8,848.60	.00	-7,848.60	884.9%*
1060032 5304 1034 ALUM	275,000	0	275,000	299,673.64	.00	-24,673.64	109.0%*
1060032 5304 1070 CARBON SUPPLEM	335,000	0	335,000	103,846.92	.00	231,153.08	31.0%
1060032 5304 6397 OPERATIONAL SU	0	126,000	126,000	34,005.13	.00	91,994.87	27.0%
1060032 5304 6397 OPERATIONAL SU	14,250	0	14,250	14,250.00	.00	.00	100.0%
1060032 5409 LICENSE & FEES	13,000	0	13,000	22,955.63	.00	-9,955.63	176.6%*
1060032 5410 ANALYSIS	71,000	0	71,000	36,733.10	.00	34,266.90	51.7%
1060032 5499 MISCELLANEOUS OUTS	50,000	0	50,000	17,313.03	.00	32,686.97	34.6%
1060032 5602 1043 POWER-PLANT	571,636	0	571,636	644,499.91	.00	-72,863.91	112.7%*
TOTAL TREATMENT PLANT OPERATION	2,486,869	126,000	2,612,869	2,351,535.58	.00	261,333.42	90.0%

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1070021 COLLECTION-MAINTENANCE							
1070021 0021 B5500 CAPITAL IN PR	0		0	963.41	.00	-963.41	100.0%*
1070021 5001 SUPERVISOR LABOR	149,997	0	149,997	120,345.74	.00	29,651.26	80.2%
1070021 5002 REGULAR LABOR	996,988	0	996,988	470,327.42	.00	526,660.58	47.2%
1070021 5002 6172 REGULAR LABOR	0	0	0	82,607.90	.00	-82,607.90	100.0%*
1070021 5002 6337 REGULAR LABOR	0	0	0	22,006.77	.00	-22,006.77	100.0%*
1070021 5002 6404 REGULAR LABOR	0	0	0	90,870.46	.00	-90,870.46	100.0%*
1070021 5002 6406 REGULAR LABOR	0	0	0	46,615.77	.00	-46,615.77	100.0%*
1070021 5002 6407 REGULAR LABOR	0	0	0	26,869.53	.00	-26,869.53	100.0%*
1070021 5002 6409 REGULAR LABOR	0	0	0	27,978.93	.00	-27,978.93	100.0%*
1070021 5002 B5001 REGULAR LABOR	0	0	0	108.71	.00	-108.71	100.0%*
1070021 5002 B5002 REGULAR LABOR	0	0	0	9,483.10	.00	-9,483.10	100.0%*
1070021 5002 B5003 REGULAR LABOR	0	0	0	9,483.10	.00	-9,483.10	100.0%*
1070021 5002 B5004 REGULAR LABOR	0	0	0	9,374.21	.00	-9,374.21	100.0%*
1070021 5002 B5493 REGULAR LABOR	0	0	0	427.22	.00	-427.22	100.0%*
1070021 5002 B5494 REGULAR LABOR	0	0	0	1,344.23	.00	-1,344.23	100.0%*
1070021 5002 B5495 REGULAR LABOR	0	0	0	639.03	.00	-639.03	100.0%*
1070021 5002 B5496 REGULAR LABOR	0	0	0	638.31	.00	-638.31	100.0%*
1070021 5002 B5498 REGULAR LABOR	0	0	0	580.48	.00	-580.48	100.0%*
1070021 5002 B5500 REGULAR LABOR	0	0	0	612.52	.00	-612.52	100.0%*
1070021 5003 OVERTIME LABOR	31,500	0	31,500	25,459.34	.00	6,040.66	80.8%
1070021 5006 VACATION	0	0	0	57,606.51	.00	-57,606.51	100.0%*
1070021 5007 SICK	0	0	0	39,521.37	.00	-39,521.37	100.0%*
1070021 5008 PERSONAL	0	0	0	12,080.54	.00	-12,080.54	100.0%*
1070021 5009 JURY/CIVIL/VOLUNTE	0	0	0	2,479.54	.00	-2,479.54	100.0%*
1070021 5010 HOLIDAY	0	0	0	40,332.48	.00	-40,332.48	100.0%*
1070021 5101 FICA EXPENSE	71,128	0	71,128	63,814.81	.00	7,313.19	89.7%
1070021 5101 6172 FICA EXPENSE	0	0	0	5,121.63	.00	-5,121.63	100.0%*
1070021 5101 B5001 FICA-O & M MA	0	0	0	6.74	.00	-6.74	100.0%*
1070021 5102 MEDICARE EXPENSE	16,635	0	16,635	14,850.74	.00	1,784.26	89.3%
1070021 5102 6172 MEDICARE EXPEN	0	0	0	1,197.71	.00	-1,197.71	100.0%*
1070021 5102 B5001 MEDICARE-O &	0	0	0	1.58	.00	-1.58	100.0%*
1070021 5202 GROUP HEALTH INSUR	186,965	0	186,965	203,853.21	.00	-16,888.21	109.0%*
1070021 5202 6172 GROUP HEALTH I	0	0	0	18,856.82	.00	-18,856.82	100.0%*
1070021 5202 B5001 GRP HEALTH IN	0	0	0	32.25	.00	-32.25	100.0%*
1070021 5203 PENSION (401) UAJA	98,792	0	98,792	74,702.42	.00	24,089.58	75.6%
1070021 5203 6172 PENSION (401)	0	0	0	5,838.25	.00	-5,838.25	100.0%*
1070021 5203 B5001 PENSION-O&M M	0	0	0	8.15	.00	-8.15	100.0%*
1070021 5305 SMALL EQUIPMT/TOOL	20,000	0	20,000	13,911.77	.00	6,088.23	69.6%
1070021 5504 SEWER LINE MAINTEN	125,000	0	125,000	98,220.70	.00	26,779.30	78.6%
1070021 5504 B5498 SEWER LINE MA	0	0	0	160.18	.00	-160.18	100.0%*

UNIVERSITY AREA JOINT AUTHORITY

YEAR-TO-DATE BUDGET REPORT



FOR 2024 11

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
1070021 6385 GIS AND MAPPING	64,500	0	64,500	41,753.78	.00	22,746.22	64.7%
1070021 ER01 RENTAL OF EQUIPMEN	5,000	0	5,000	780.00	.00	4,220.00	15.6%
1070021 ER14 RENTAL LOWBOY	5,000	0	5,000	1,160.00	.00	3,840.00	23.2%
1070021 PV01 TRENCH PAVING-CONT	20,000	0	20,000	1,699.20	.00	18,300.80	8.5%
TOTAL COLLECTION-MAINTENANCE	1,791,505	0	1,791,505	1,644,726.56	.00	146,778.44	91.8%
1070022 CONSTRUCT EQUIP MAINTENANCE							
1070022 5501 SMALL EQUIPMENT MA	8,000	0	8,000	5,846.31	.00	2,153.69	73.1%
1070022 5506 LG. CONSTRCT. EQUIP	80,000	0	80,000	40,229.85	.00	39,770.15	50.3%
TOTAL CONSTRUCT EQUIP MAINTENANCE	88,000	0	88,000	46,076.16	.00	41,923.84	52.4%
1070034 COLLECTION-INSPECTION							
1070034 5001 SUPERVISOR LABOR	149,997	0	149,997	120,345.95	.00	29,651.05	80.2%
1070034 5002 REGULAR LABOR	239,695	0	239,695	122,193.80	.00	117,501.20	51.0%
1070034 5002 B5480 REGULAR LABOR	0	0	0	787.21	.00	-787.21	100.0%*
1070034 5002 B5487 REGULAR LABOR	0	0	0	4,685.80	.00	-4,685.80	100.0%*
1070034 5002 B5497 REGULAR LABOR	0	0	0	2,907.58	.00	-2,907.58	100.0%*
1070034 5002 B5501 REGULAR LABOR	0	0	0	387.04	.00	-387.04	100.0%*
1070034 5003 OVERTIME LABOR	15,000	0	15,000	9,688.20	.00	5,311.80	64.6%
1070034 5006 VACATION	0	0	0	23,517.04	.00	-23,517.04	100.0%*
1070034 5007 SICK	0	0	0	36,152.56	.00	-36,152.56	100.0%*
1070034 5008 PERSONAL	0	0	0	2,515.23	.00	-2,515.23	100.0%*
1070034 5009 JURY/CIVIL/VOLUNTE	0	0	0	229.57	.00	-229.57	100.0%*
1070034 5010 HOLIDAY	0	0	0	13,719.49	.00	-13,719.49	100.0%*
1070034 5101 FICA EXPENSE	24,161	0	24,161	13,719.49	.00	3,007.80	87.6%
1070034 5102 MEDICARE EXPENSE	5,651	0	5,651	21,153.20	.00	703.84	87.5%
1070034 5202 GROUP HEALTH INSUR	60,600	0	60,600	4,947.16	.00	4,599.91	92.4%
1070034 5203 PENSION (401) UAJA	32,977	0	32,977	56,000.09	.00	5,169.52	84.3%
1070034 5304 OPERATIONAL SUPPLI	4,000	0	4,000	27,807.48	.00	3,178.63	20.5%
1070034 5305 SMALL EQUIPMT/TOOL	500	0	500	821.37	.00	389.18	22.2%
1070034 5507 SEWER LINE INSPEC/	0	0	0	110.82	.00	-1,753.71	100.0%*
1070034 5507 B5353 INSPECTION EN	0	0	0	1,753.71	.00	-850.00	100.0%*
1070034 5507 B5354 MT NITTIANY EL	0	0	0	850.00	.00	-850.00	100.0%*
1070034 5507 B5480 INSPECTION EN	0	0	0	850.00	.00	-850.00	100.0%*
1070034 5507 B5487 INSPECTION EN	0	0	0	750.00	.00	-750.00	100.0%*
1070034 5507 B5499 INSPECTION EN	0	0	0	1,100.00	.00	-1,100.00	100.0%*
1070034 5507 B5499 INSPECTION EN	0	0	0	700.00	.00	-700.00	100.0%*

UNIVERSITY AREA JOINT AUTHORITY

YEAR-TO-DATE BUDGET REPORT



FOR 2024 11

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANSFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
1070034 5507 B5502 INSPECTION EN	0	0	0	850.00	.00	-850.00	100.0%*
1070034 5507 B5503 INSPECTION EN	0	0	0	700.00	.00	-700.00	100.0%*
1070034 5507 B5504 INSPECTION EN	0	0	0	450.00	.00	-450.00	100.0%*
TOTAL COLLECTION-INSPECTION	532,581	0	532,581	455,973.30	.00	76,607.70	85.6%
1070036 COLLECTION-PUMP STATION							
1070036 5305 SMALL EQUIPMT/TOOL	1,000	0	1,000	.00	.00	1,000.00	.0%
1070036 5501 EQUIPMENT MAINTENA	20,000	0	20,000	5,804.14	.00	14,195.86	29.0%
1070036 5505 O & M PUMP STATION	70,000	0	70,000	44,345.66	.00	25,654.34	63.4%
1070036 5505 B5002 O & M CLASTER	300	0	300	.00	.00	300.00	.0%
1070036 5505 B5003 O & M NORTH M	300	0	300	.00	.00	300.00	.0%
1070036 5505 B5004 O & M SOUTH M	300	0	300	.00	.00	300.00	.0%
1070036 5602 POWER	65,000	0	65,000	66,188.01	.00	-1,188.01	101.8%*
1070036 5602 B5002 POWER-CLASTER	500	0	500	97.68	.00	402.32	19.5%
1070036 5602 B5004 POWER-SOUTH M	500	0	500	138.40	.00	361.60	27.7%
1070036 5603 PUMP STATION PROPA	3,000	0	3,000	1,591.89	.00	1,408.11	53.1%
TOTAL COLLECTION-PUMP STATION	160,900	0	160,900	118,165.78	.00	42,734.22	73.4%
TOTAL OPERATING FUND	32,060,850	3,917,300	35,978,150	26,886,744.95	.00	9,091,405.05	74.7%
TOTAL REVENUES	-19,056,125	0	-19,056,125	-16,079,792.70	.00	-2,976,332.30	
TOTAL EXPENSES	51,116,975	3,917,300	55,034,275	42,966,537.65	.00	12,067,737.35	

UNIVERSITY AREA JOINT AUTHORITY

YEAR-TO-DATE BUDGET REPORT

FOR 2024 11

	ORIGINAL APPROP	TRANSFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
GRAND TOTAL	32,060,850	3,917,300	35,978,150	26,886,744.95	.00	9,091,405.05	74.7%

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



UNIVERSITY AREA JOINT AUTHORITY

To: UAJA Board
From: Jason Brown
Re: Financial Report - End of November 2024

Cash Accounts

General Checking	\$107,922.37
Payroll Checking	\$5,418.81
PLIGIT Checking	\$1,695.85
Petty Cash	\$73.07

Revenue Fund Accounts

Revenue Sweep	\$76,530.28
Revenue Trustee	\$5,164,251.77

Savings Accounts

PLIGIT Plus	\$9,489.00
93 BRIF	\$1,329,158.22

TOTAL LIQUID ASSETS **\$6,694,539.37**

Dedicated Accounts

2015 DSF	\$241.47
2017A DSF	\$171.21
2017 B & C DSF	\$823.24
2018 DSF	\$314.27
2020 DSF	\$6,541.90
2020A DSF	\$5.29
2021 DSF	\$6.73
2021A DSF	\$1,018.00
2022 DSF	\$4,794.86
2024 DSF	\$6,525.73
2021 Construction Fund	\$966,826.35
2024 Construction Fund - Biosolids	\$21,504,517.71
2024 Construction Fund - Solar Purchase	\$3,098,119.55
2024 Capitalized Interest Fund	\$47,676.42

TOTAL DEDICATED ASSETS **\$25,589,906.31**

Restricted Accounts

93 Oper. Expense Reserve	\$849,233.34
93 Debt Service Reserve	\$6,082,146.55

\$6,931,379.89

Receivables Outstanding

UAJA Sewer	\$241,136.61
UAJA Surcharge	\$0.00
Borough Sewer	\$1,369,647.66
PGM Sewer	\$13,924.15
PSU Sewer	\$0.00

TOTAL OUTSTANDING **\$1,624,708.42**



SUPERINTENDENT'S REPORT

Andrew Breon, Superintendent
November 2024 Data

PLANT OPERATIONS:

12-Month Rolling Effluent Average:	3.83 MGD	Plant Effluent Temperature Monthly Average:	66.1°
Current Year Effluent Average:	3.88 MGD	Highest Daily Influent Flow (11/10):	5.69 MGD
Total Monthly Average Influent Flow:	141.77 MGD	Lowest Daily Influent Flow (11/28):	3.77 MGD
Monthly Average Influent Flow:	4.73 MGD	GDK Wetlands Monthly Average Temperature:	63.6°

On-Line Treatment Units:

4—Primary Clarifiers	4—Secondary Clarifiers
2—Aeration Basins	8—Denitrification Filters

REUSE WATER DISTRIBUTION:

	November	Year to date gallons
Best Western Hotel	32,000	370,000
Centre Hills Golf	4,245,000	43,079,970
Stewart Drive	0	68,000
Collections Maintenance Garage	1,000	16,000
CINTAS	602,319	5,436,639
Red Line	39,0000	4,848,000
Plant Site	5,536,000	53,163,000
GDK Park Vault	39,978,000	400,614,000
Elks	707,000	14,044,000
Total Gallons	51,491,319	521,639,609

SEPTAGE OPERATIONS REPORT FOR NOVEMBER 2024:

Pounds of Solids Received:

	JUN	JUL	AUG	SEPT	OCT	NOV
Port Matilda	734	758	2,006	526	1,784	1,422
Huston Township	350	300	384	415	517	667

Gallons Received:

	JUN	JUL	AUG	SEPT	OCT	NOV
Residential/Commercial	19,190	12,950	28,400	19,570	21,700	5,600
Port Matilda	5,500	6,500	13,000	6,500	12,000	11,000
Huston Township	6,000	8,000	8,000	8,000	8,000	8,000
Total Gallons	30,690	27,450	49,400	34,070	41,700	24,600

PLANT MAINTENANCE:

- Rebuilt WAS #1 pump and motor.
- Replaced the wiper control board for the AWT UV Lights.
- Repaired electric heaters in the Dewatering Building.
- Repaired the controls for the Primary Pumps.
- Martz updated the PLC for the Aeration Blowers.
- Controls 21 repaired the Effluent Temperature Probe.



COLLECTION SYSTEMS SUPERINTENDENT'S REPORT
Activities for the month of November 2024
Daren Brown, Superintendent

MAINLINE MAINTENANCE:

Mainline Cleaning – 4,767 ft cleaned/cut with root cutter.
Mainline televising – 79,254 ft televised – 373 manholes inspected.
Replaced 20' of Mainline that we could not get the camera through (Science Park)
1- Casting Replacement
Brushing backlot ROW's

LIFT STATION MAINTENANCE:

Cleaned (11) wet wells.
Replaced E-One grinder at 713 Rosslyn Rd.
Replaced E-One grinder at 678 Rosslyn Rd.

NEXT MONTH PROJECTS:

Continue televising mainline
GIS for mapping
Mainline flushing
ROW brushing

INSPECTION:

Windfield Heights Phase 2 (waiting for final As-Builts)

MAINLINE CONSTRUCTION:

- a) Rockey Ridge sec.6 (waiting on pre-construction meeting)
- b) Decibel Partners Hotel (waiting on pre-construction meeting)

NEW CONNECTIONS:

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

TOTAL 11

PA One-Calls Responded to November 1 thru 30 = 261



Herbert, Rowland & Grubic, Inc.
2568 Park Center Boulevard
State College, PA 16801
814.238.7117
www.hrg-inc.com

CONSULTING ENGINEER'S REPORT

UNIVERSITY AREA JOINT AUTHORITY

HRG Project Number: 001178.0693

December 12, 2024

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

RETAINER SERVICES (R001178.0693)

- Assistance was provided with items for the annual budget.

PUDDINTOWN INTERCEPTOR ACT 537 SPECIAL STUDY (R001178.0725)

- The study was presented at the joint Centre Region Planning Commission and COG Land Use and Community Infrastructure on November 7, 2024.
- The special study will be updated based on the comments received (if necessary) and then re-submitted for another review round.

WEST PATTON (MEEKS LANE) PUMP STATION BASIS OF DESIGN (R001178.0730)

- HRG is collaborating with the Developer (S&A Homes), the Developer's Engineer and UAJA to design the proposed pump station and force main for this development.
- The PA DEP will require sewage facilities planning for the project. HRG is working to establish a planning session between all parties to establish a path forward.

SANITARY SEWER REPLACEMENT PERMITTING (R001178.0734)

- The permit applications were reviewed with staff and a field visit was conducted to examine critical areas. The drawings are being revised accordingly.

DEVELOPER PLAN REVIEWS:

- Grays Point 7B (1178.0740): Design drawings are being reviewed for the low-pressure sewer.

Herbert, Rowland & Grubic, Inc.

Benjamin R. Burns, P.E.

Team Leader | Water & Wastewater

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

December 2024

WWTP NPDES Permit – Phosphorus Study (094612027)

- Continuous in-stream monitoring of Spring Creek has been completed. We are reviewing all compiled data with the PA DEP for determination of next steps.

Phosphorus Study Project Schedule

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

Ozone Disinfection for Effluent (094612023)

- Based on the results of the on-site testing performed last month by Aqua Aerobics, it has become apparent that the sidestream pumps selected by Aqua Aerobics and their subcontractor, Mazzei Injector Company, are incapable of meeting the full project requirements. We have sent a Notice of Defective Work to the Authority’s contractor, PSI Pumping Solutions, Inc., and requested a written plan of action to replace the sidestream pump along with a schedule of implementation by January 3, 2025 (see attached letter).

Payment Request 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 Including Retainage
2021-05 GC			\$5,458,723.91	\$5,323,473.91	97.52%	\$401,423.70
2021-06 EC			\$350,000.00	\$326,500.00	93.29%	\$39,825.00
2021-07 MC			\$223,000.00	\$223,000.00	100.00%	\$0.00
		\$0.00	\$6,031,723.91	\$5,872,973.91	97.37%	\$441,248.70

- No applications to process this month.

Ozone Disinfection for Effluent Project Schedule

Milestone	Date
Notice to Proceed Issued	12/27/2021
Substantial Completion	03/27/2023
Projected Substantial Completion Date	05/20/2024

Anaerobic Digestion Project (094612026)

- We continue to review project related submittals and requests for information.
- Construction has continued with erecting the new Dryer Building and digestion tanks.



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 Including Retainage
2022-01	12	\$2,120,543.10	\$66,751,489.26	\$25,468,492.85	38.15%	\$43,829,845.70
2022-02	8	\$5,139.00	\$791,315.15	\$413,353.09	52.24%	\$419,297.37
2022-03	9	\$2,724.30	\$762,298.76	\$379,237.50	49.75%	\$420,985.01
2022-04	8	\$359,450.10	\$6,623,333.21	\$2,100,328.87	31.71%	\$4,733,037.23
		\$2,487,856.50	\$74,928,436.38	\$28,361,412.31	37.85%	\$46,567,024.07

- Application for Payment No. 12 has been received for Contract 2022-01 (General Construction) in the amount of \$2,120,543.10. RETTEW recommends payment of Application for Payment No. 12 in the amount of \$2,120,543.10.
- Application for Payment No. 08 has been received for Contract 2022-02 (Plumbing Construction) in the amount of \$5,139.00. RETTEW recommends payment of Application for Payment No. 08 in the amount of \$5,139.00.
- Application for Payment No. 09 has been received for Contract 2022-03 (HVAC Construction) in the amount of \$2,724.30. RETTEW recommends payment of Application for Payment No. 09 in the amount of \$2,724.30.
- Application for Payment No. 08 has been received for Contract 2022-04 (Electrical Construction) in the amount of \$359,450.10. RETTEW recommends payment of Application for Payment No. 08 in the amount of \$359,450.10.

Anaerobic Digestion Project Schedule

Milestone	Date
Notice to Proceed Issued	January 8, 2024
Completion of Dryer and Waste Handling Buildings	July 6, 2025
Contracted Substantial Construction	January 7, 2026

Solar Phase I Purchase

- Closing for the Phase I Solar Array is scheduled for January 3, 2025.

December 10, 2024

Mr. Keith Mummert
PSI Pumping Solutions, Inc.
400 Main Street, Suite A
York Springs, PA 17372

RE: University Area Joint Authority
Plant Effluent Ozone Disinfection Project
Contract 2021-05: General Construction
RETTEW Project No. 094612023

Dear Keith:

RETTEW is in receipt of the attached correspondence from PSI Pumping Solutions, Inc. (PSI) from December 4, 2024 from Aqua Aerobics Systems, Inc. (AASI) in regard to their analysis of the current operational challenges with the sidestream injection pumps and recommended pathway forward for correction.

AASI concludes that the sidestream pumps are unable to operate properly due to “highly aerated” water as the source water for the sidestream. In fact, the Authority routinely operates near the minimum dissolved oxygen content for its National Pollution Discharge Elimination System (NPDES) Permit. Further, the vast majority of public owned treatment works in the United States have minimum dissolved oxygen limits in their wastewater discharge that are similar to the Authority’s limit. For AASI to not realize that it would be dealing with a source water that would contain 5-8 mg/l of dissolved oxygen ignores the application of this product in a wastewater environment. Further, it was a contractual requirement in Section 463153, Paragraph 1.5.C, “All components shall be specifically designed for wastewater service and shall be integrated into the overall equipment design by the OTS equipment manufacturer.”

It is evident that the sidestream pumps are incapable of meeting the original service conditions of the project as defined in the Contract Documents. Section 463153, Paragraph 2.1.D.7 of the Contract Documents required that the sidestream pumps be designed “...to provide preozonated process water to the ozone gas injectors as required to meet the design conditions. Pumps shall be variable speed, manufactured in accordance with the Hydraulic Institute Standards...”. The project implementation was always a suction lift application, utilizing the Authority’s existing plant effluent at the source water for preozonation. Mazzei Injector Company, LLC (a subcontractor to AASI) provided email correspondence this summer that indicated the sidestream pumps were designed for an intake pressure of 0 psig. While pump applications vary, this remains a concern to RETTEW as it indicates a gap in project understanding, the need for a suction lift application, and eventual misapplication of the pump type and design. In fact, RETTEW questioned the Net Positive Suction Head Required (NPSHR) by the pump selection as early as April 2022.



AASI was aware of the service conditions as portrayed in the Contract Documents and nothing has altered these fundamentals of the project. Consistent with Article 9.05 of the General Conditions of the Contract Documents, ENGINEER declares the sidestream pumping system defective. This work is rejected and must be replaced consistent with Article 13.06 of the General Conditions of the Contract Documents.

RETTEW has reviewed the suggested options by AASI and does not approve of the potential application to install a break tank on the roof of the Ozone Building. This would require new non-potable water pumps for the plant, insulation and heat tracing, access ladders and other components that were not contemplated as part of routine operations. Secondly, this will further increase electrical operating costs by effectively pump the sidestream water twice. The suction lift application provides the maximum economic benefit to the Authority, eliminating the purchase of potable water or the economic loss of diversion of beneficial reuse water. It also reduces the energy consumption of the overall process, a key consideration in the selection of the ozone technology for primary disinfection.

It is clear to the Authority and RETTEW, that an incorrect pump was chosen for this project's application. The installed pumps cannot meet the required flow and pressure to correctly dose the ozone gas to meet the requirements of the project. This includes its most fundamental requirement of achieving primary disinfection as measured by fecal coliform counts. The Authority allowed multiple modifications of the arrangement to attempt to improve this operating condition by PSI and AASI, all of these have failed to correct the incorrect pump selection. The pumping units require replacement, along with modification of the sidestream skids to accommodate the new pumps.

The Authority has been patient with PSI Pumping Solutions, Inc. and AASI related to challenges in the startup and operation of the Ozone System. To-date, the Authority and its consultants have expended considerable time and cost related to this extended period of time, with the Authority having further operating cost impacts from continued operation of the Ultraviolet Light Disinfection System and consumables such as lights, ballasts, control cards, etc.

The Ozone Project was to be Substantially Complete per the executed Agreement Between Owner and Contractor within 455 days of the date of Notice to Proceed. The date of Notice to Proceed was December 27, 2021, with a corresponding date of required Substantial Completion on March 27, 2023. This was further extended by Change Order No. 1 by eight (8) days with a resulting Substantial Completion date of April 4, 2023. Since this date, a total of 615 days have elapsed beyond the allowable time in the Contract Documents

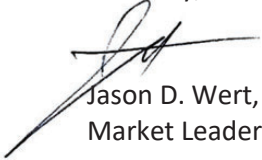
Consistent with Article 3.2 of the executed Agreement Between the Owner and Contractor, a total of 615 days of delay past the date of Substantial Completion represents accrued liquidated damages of \$415,125.00. RETTEW notes that these continue to accrue as the replacement of the sidestream pumps continues to extend the date of Substantial Completion.

RETTEW requests a written plan of action from PSI and AASI to replace the sidestream pumps, along with a schedule of implementation, by January 3, 2025.

The University Area Joint Authority reserves all rights under the Contract Documents and waives none.

If you have any questions, please don't hesitate to contact me at jwert@rettew.com or 814.933.2819.

Sincerely,



Jason D. Wert, PE, BCEE
Market Leader – Water, Renewables and Energy Production

c: Michele Aukerman – RETTEW
Cory Miller – UAJA
Jason Brown – UAJA

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UNIVERSITY AREA JOINT AUTHORITY

1576 Spring Valley Road
State College, PA 16801

EXECUTIVE DIRECTOR'S REPORT

December 18, 2024

INFORMATION ITEMS

State College Borough Delinquency

The unpaid balance for the State College Borough is \$1,369,669.30. The refusal to pay the full amount has, in part, resulted in the rate increase that went into effect January 1, 2024. If the Borough continues to underpay, it will result in an increase in rates to all the other customers in College, Ferguson, Harris and Patton Townships.

ACTION ITEMS

3. Public Comment

3.1 Other items not on the agenda

4. Old Business

4.1 Purchase of Phase One Solar Array

In May 2024, UAJA provided notice to Pace Energy, LLC, the owner of the Phase One Solar Array, that UAJA was exercising its right to purchase the solar array in accordance with the Power Purchase Agreement. The required appraisal was completed, and a sale price has been negotiated. UAJA can purchase the array for \$4,600,000. By owning the array, UAJA will save an estimated \$4.1 million over the 30 year life of the solar array.

Recommendation: Authorize the Executive Director to complete the purchase of the Phase One Solar Array for the price of \$4,600,000.

5. New Business

5.1 2025 Budget Approval

The draft 2025 Budget is included in the agenda report. The budget was also emailed to the entire board for review on December 5, 2024. A rate increase is needed to offset the continuing delinquency of the State College Borough. The rate increase for UAJA customers who receive treatment, conveyance and collection service will increase from \$113 to \$121 per quarter (7.08 percent increase). The rate for customers that receive treatment and conveyance service only will increase from \$73 to \$80 per quarter (9.59 percent increase). The bulk rate for volume surcharges and the few customers that have grandfathered contracts for billing based on volume will remain at \$5,624 per million gallons. These rates are recommended to go in effect January 1, 2025, which will be reflected on the first quarter bills that will be mailed in early April 2025.

Recommendation: Adopt the 2025 Budget.

5.2 2025 Rate Resolution

The proposed 2025 Rate Resolution is included in the agenda report. It reflects the rate changes in the 2025 budget. The rate resolution will be effective January 1, 2025.

Recommendation: Adopt the 2025 Rate Resolution, effective January 1, 2025.

5.3 2025 Meeting Dates

Meeting dates proposed for 2025 continue with the 3rd Wednesday of each month. Specifically:

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

Recommendation: Approve the 2025 meeting dates as submitted.

5.4 Extension of Interim Agreement with State College Borough

The Interim agreement with State College Borough expires January 1, 2025. The Borough would like to extend the agreement to the end of the first quarter March 31, 2025. The Borough's consultant and Borough Public Works staff appear to be committed to working quickly to produce their version of a rate study to compare with the UAJA methodology. If there is a slowdown in the work, the Board can terminate the interim agreement at any time.

Recommendation: Extend the interim agreement until March 31, 2025

5.5 Construction Engineer's Report

5.6 Final Design: Mount Nittany Manor Phase 1

Final design drawings for Mount Nittany Manor Phase 1 (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 34 EDUs. The review comments have been addressed.

Recommendation: Approve the drawings as submitted.

5.7 Final Design: Mount Nittany Manor Phase 2

Final design drawings for Mount Nittany Manor Phase 2 (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 15 EDUs. The review comments have been addressed.

Recommendation: Approve the drawings as submitted.

5.8 Final Design: Mount Nittany Elementary School Addition & Sewer Relocation

Final design drawings for the Mount Nittany Elementary School addition and sewer replacement (College Township) have been received and reviewed by staff and our consulting engineer. The sewer extension will serve 3 EDUs. The review comments have been addressed.

Recommendation: Approve the drawings as submitted.

5.9 Requisitions

BRIF #936	HRG Park Lane Sewer Permitting	\$3,244.00
BRIF #937	HRG Woodledge Sewer Permitting	\$3,120.00
TOTAL BRIF-		\$6,364.00
Construction Fund #034	Helena Agri-Enterprises Sludge Drying Project-Lime	\$7,140.00
Construction Fund #035	Quandel Construction Group Pay App. #12- Sludge Drying Project-General	\$2,120,543.10
Construction Fund #036	Myco Mechanical Pay App. #8- Sludge Drying Project-Plumbing	\$5,139.00
Construction Fund #037	Myco Mechanical Pay App. #9- Sludge Drying Project-HVAC	\$2,724.30
Construction Fund #038	Hayden Power Group Pay App. #8- Sludge Drying Project-Electrical	\$359,450.10
TOTAL 2024 CONSTRUCTION FUND (Biosolids)-		\$2,494,996.50
Revenue Fund #213	Debt Service, Operation and Maintenance Expenses	\$1,000,000.00
TOTAL REVENUE FUND-		\$1,000,000.00

6. Reports of Officers

7. Other Business

8. Adjournment



RATE RESOLUTION

WASTEWATER RECYCLING

RATES AND OTHER

CHARGES

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State College, PA 16801
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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:	\$6550.00	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	\$3475.00	Per EDU
Special Purpose Circleville Inter.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.

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 per Rate Resolution 1.2b

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

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)**. Some bulk customers of the Authority, by contract or agreement only, may be charged based upon the **Bulk Treatment Rate** in effect at the time.

2.2 EDU Rate

The rate charged per EDU is One Hundred Twenty-One (\$121.00) dollars per quarter. Treatment and transmission rate is Eighty (\$80.00) per EDU.

2.3 Bulk Treatment Rate

The rate charged per one million gallons treated is Five Thousand Six Hundred and Twenty-Four (\$5624.00) dollars.

2.4 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	1/2
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	1/2
(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	1/2
Automobile Dealer/Garage (bays not Connected to sewer)	*

Beauty/Barber shops, per chair	1/2
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. 1
(for tapping fee & connection fee only)

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.

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 14th day of March. 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 EDU treatment rate currently in place.

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 temperatures 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

Sewer Tapping Fee Calculations

Exhibit 1a - Summary of Capacity Part Calculations

CAPACITY PART

HISTORICAL TRENDED COSTS

Project Completion	Total		Trend		Trended		Capacity	
Year	Historical Cost	Grants	Net Cost	ENR Index	Factor	Cost	Cost	Cost
1967	\$ 244,931.00	\$ -	\$ 244,931.00	1074	10132	9.43	\$ 2,310,652.60	\$ 2,310,652.60
1968	\$ 1,508,256.00	\$ 251,600.00	\$ 1,256,656.00	1155	10132	8.77	\$ 11,023,756.36	\$ 11,023,756.36
1969	\$ 786,805.00	\$ 257,900.00	\$ 528,905.00	1269	10132	7.98	\$ 4,222,904.22	\$ 4,222,904.22
1970	\$ 6,509,489.21	\$ 886,266.42	\$ 5,623,222.79	1381	10132	7.34	\$ 41,255,969.09	\$ 41,255,969.09
1971	\$ 3,656.00	\$ -	\$ 3,656.00	1581	10132	6.41	\$ 23,429.85	\$ 23,429.85
1972	\$ 1,088.00	\$ -	\$ 1,088.00	1753	10132	5.78	\$ 6,288.43	\$ 6,288.43
1974	\$ 92,170.00	\$ -	\$ 92,170.00	2020	10132	5.02	\$ 462,310.12	\$ 462,310.12
1975	\$ 49,531.00	\$ -	\$ 49,531.00	2212	10132	4.58	\$ 226,875.27	\$ 226,875.27
1976	\$ 108,570.00	\$ -	\$ 108,570.00	2401	10132	4.22	\$ 458,155.45	\$ 458,155.45
1977	\$ 14,975.00	\$ -	\$ 14,975.00	2576	10132	3.93	\$ 58,900.12	\$ 58,900.12
1978	\$ 18,575.00	\$ -	\$ 18,575.00	2776	10132	3.65	\$ 67,796.07	\$ 67,796.07
1979	\$ 183,793.00	\$ -	\$ 183,793.00	3003	10132	3.37	\$ 620,110.12	\$ 620,110.12
1980	\$ 143,207.00	\$ -	\$ 143,207.00	3237	10132	3.13	\$ 448,246.32	\$ 448,246.32
1981	\$ 6,815.00	\$ -	\$ 6,815.00	3535	10132	2.87	\$ 19,533.12	\$ 19,533.12
1982	\$ 99.00	\$ -	\$ 99.00	3825	10132	2.65	\$ 262.24	\$ 262.24
1983	\$ 1,055.00	\$ -	\$ 1,055.00	4066	10132	2.49	\$ 2,628.94	\$ 2,628.94
1984	\$ 4,736.00	\$ -	\$ 4,736.00	4146	10132	2.44	\$ 11,573.84	\$ 11,573.84
1985	\$ 95,971.00	\$ -	\$ 95,971.00	4195	10132	2.42	\$ 231,794.56	\$ 231,794.56

1986	\$	169,656.00	\$	-	\$	169,656.00	4295	10132	2.36	\$	400,222.26	\$	400,222.26
1987	\$	232,802.00	\$	-	\$	232,802.00	4406	10132	2.30	\$	535,349.49	\$	535,349.49
1988	\$	736,093.00	\$	-	\$	736,093.00	4519	10132	2.24	\$	1,650,385.99	\$	1,650,385.99
1989	\$	981,229.00	\$	-	\$	981,229.00	4615	10132	2.20	\$	2,154,238.84	\$	2,154,238.84
1990	\$	8,091,034.00	\$	-	\$	8,091,034.00	4732	10132	2.14	\$	17,324,251.16	\$	17,324,251.16
1991	\$	18,019,993.00	\$	-	\$	18,019,993.00	4835	10132	2.10	\$	37,761,855.03	\$	37,761,855.03
1992	\$	5,933,112.00	\$	-	\$	5,933,112.00	4985	10132	2.03	\$	12,059,035.26	\$	12,059,035.26
1993	\$	1,117,936.00	\$	-	\$	1,117,936.00	5210	10132	1.94	\$	2,174,074.39	\$	2,174,074.39
1994	\$	456,565.00	\$	-	\$	456,565.00	5408	10132	1.87	\$	855,383.98	\$	855,383.98
1995	\$	411,257.00	\$	-	\$	411,257.00	5471	10132	1.85	\$	761,626.01	\$	761,626.01
1996	\$	106,350.00	\$	-	\$	106,350.00	5620	10132	1.80	\$	191,732.78	\$	191,732.78
1997	\$	296,887.00	\$	-	\$	296,887.00	5826	10132	1.74	\$	516,316.35	\$	516,316.35
1998	\$	1,631,664.00	\$	-	\$	1,631,664.00	5920	10132	1.71	\$	2,792,570.89	\$	2,792,570.89
1999	\$	1,714,730.00	\$	260,000.00	\$	1,454,730.00	6059	10132	1.67	\$	2,432,633.17	\$	2,432,633.17
2000	\$	2,752,597.00	\$	-	\$	2,752,597.00	6221	10132	1.63	\$	4,483,091.59	\$	4,483,091.59
2001	\$	3,609,790.00	\$	105,000.00	\$	3,504,790.00	6343	10132	1.60	\$	5,598,381.25	\$	5,598,381.25
2002	\$	12,444,054.00	\$	-	\$	12,444,054.00	6538	10132	1.55	\$	19,284,667.35	\$	19,284,667.35
2003	\$	16,854,836.00	\$	-	\$	16,854,836.00	6694	10132	1.51	\$	25,511,383.08	\$	25,511,383.08
2004	\$	16,266,860.13	\$	-	\$	16,266,860.13	7129	10132	1.42	\$	23,119,066.75	\$	23,119,066.75
2006	\$	62,320.00	\$	-	\$	62,320.00	7751	10132	1.31	\$	81,463.84	\$	81,463.84
2007	\$	1,858,303.00	\$	-	\$	1,858,303.00	7967	10132	1.27	\$	2,363,289.32	\$	2,363,289.32
2008	\$	5,395,900.20	\$	-	\$	5,395,900.20	8310	10132	1.22	\$	6,578,972.42	\$	6,578,972.42
2009	\$	77,500.00	\$	-	\$	77,500.00	8570	10132	1.18	\$	91,625.44	\$	91,625.44
2010	\$	68,140.00	\$	-	\$	68,140.00	8802	10132	1.15	\$	78,436.09	\$	78,436.09
2011	\$	396,061.86	\$	100,000.00	\$	296,061.86	9070	10132	1.12	\$	330,727.54	\$	330,727.54
2012	\$	1,638,099.00	\$	-	\$	1,638,099.00	9308	10132	1.09	\$	1,783,113.35	\$	1,783,113.35
2013	\$	236,875.00	\$	-	\$	236,875.00	9547	10132	1.06	\$	251,389.70	\$	251,389.70
2014	\$	205,871.84	\$	-	\$	205,871.84	9806	10132	1.03	\$	212,716.04	\$	212,716.04
2015	\$	7,528,858.00	\$	25,000.00	\$	7,503,858.00	10034	10132	1.01	\$	7,577,146.63	\$	7,577,146.63

Total Historical & Trended Cost	\$ 119,069,096.24	\$ 1,885,766.42	\$ 117,183,329.82		\$ 240,406,332.70	\$ 240,406,332.70
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Total Capacity Costs (Historical)	\$ 240,406,332.70
<u>Less Outstanding Debt Related to Facilities</u>	<u>\$ 75,436,404.74</u>
Total Trended Adjusted Cost	\$ 164,969,927.96

CAPACITY PART

Capacity (Gallons Per Day) - (Equals UAJA max discharge) ¹	7,000,000
Cost per Gallon	\$23.57
Gallons per Residential User Maximum Capacity Part	90 GPD x 2.38=
Maximum Capacity Part	\$5,044.00

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 1.0 MGD. Therefore, the 2.00 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 2.00 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	\$ 6,151,546.89	\$ 807,531.05	\$ 5,344,015.84	1381	10132	\$ 39,207,507.97	\$ 39,207,507.97
1999	\$ 110,782.00	-	\$ 110,782.00	6060	10132	\$ 185,221.65	\$ 185,221.65
2003	\$ 152,455.00	-	\$ 152,455.00	6695	10132	\$ 230,720.55	\$ 230,720.55
2005	\$ 1,314,124.00	\$ 1,314,124.00	\$ -	7446	10132	\$ -	\$ -
2006	\$ 1,402,896.00	\$ 1,402,896.00	\$ -	7751	10132	\$ -	\$ -
2007	\$ 785,055.00	\$ 785,055.00	\$ -	7967	10132	\$ -	\$ -
2008	\$ 522,182.45	\$ 504,192.45	\$ 17,990.00	8310	10132	\$ 21,934.38	\$ 21,934.38
2009	\$ 1,157,316.39	\$ 1,157,316.39	\$ -	8570	10132	\$ -	\$ -
2010	\$ 990,316.00	\$ 990,316.00	\$ -	8802	10132	\$ -	\$ -
2011	\$ 108,562.44	\$ 108,562.44	\$ -	9070	10132	\$ -	\$ -
2012	\$ 676,520.00	\$ 676,520.00	\$ -	9308	10132	\$ -	\$ -
2013	\$ 2,640,435.00	\$ 2,640,435.00	\$ -	9547	10132	\$ -	\$ -
2014	\$ 1,124,344.68	\$ 1,124,344.68	\$ -	9806	10132	\$ -	\$ -
2015	\$ 62,741.00	\$ -	\$ 62,741.00	10034	10132	\$ 63,353.78	\$ 63,353.78
<i>Total Historical & Trended Cost</i>	\$ 17,136,535.85	\$ 11,511,293.01	\$ 5,625,242.84			\$ 39,645,384.54	\$ 39,645,384.54

REPLACEMENT COSTS

Description	Total Replacement Cost *	Grants	Net Cost	ENR Index	Trend Factor	Trended Cost	Collection Cost
Sewer Collection Syste	\$ 120,830,416.98	\$ 113,851,579.53	\$ 6,978,837.45	NA	NA	\$ 6,978,837.45	\$ 6,978,837.45
<i>Total Replacement Cos</i>	\$ 120,830,416.98	\$ 113,851,579.53	\$ 6,978,837.45			\$ 6,978,837.45	\$ 6,978,837.45
Total Collection Costs (Historical and Replacement)							
Less Outstanding Debt Related to Facilities							
							\$ 46,624,221.99
Total Trended Adjusted Cost							\$ 43,952,925.39

COLLECTION PART

Capacity (Gallons Per Day) - (Equals UAJA max discharge) ¹	7,000,000
Cost per Gallon	\$6.28
Gallons per Residential User Maximum Capacity Part	90 GPD x 2.38=
Maximum Collection Part	214
	\$ 1,344.00

TOTAL MAXIMUM TAPPING FEE - CAPACITY AND COLLECTION PARTS, HYDRAULIC CAPACITY (PER HOUSEHOLD)

\$6,388.00

* Replacement cost is based on engineer's estimate and comprehensive report by Industrial Appraisal Company dated May 1, 2015; historical is not ascertainable

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 1.0 MGD. Therefore, the 2.00 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 2.00 MGD was not included as capacity in the denominator.

Revised 12/11/2024

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	\$ 244,931.00	\$ -	\$ 244,931.00	1074	10132	\$ 2,310,652.60	\$ 2,310,652.60
1968	\$ 1,508,256.00	\$ 251,600.00	\$ 1,256,656.00	1155	10132	\$ 11,023,756.36	\$ 11,023,756.36
1969	\$ 786,805.00	\$ 257,900.00	\$ 528,905.00	1269	10132	\$ 4,222,904.22	\$ 4,222,904.22
1970	\$ 6,509,489.21	\$ 886,266.42	\$ 5,623,222.79	1381	10132	\$ 41,255,969.09	\$ 41,255,969.09
1971	\$ 3,656.00	\$ -	\$ 3,656.00	1581	10132	\$ 23,429.85	\$ 23,429.85
1972	\$ 1,088.00	\$ -	\$ 1,088.00	1753	10132	\$ 6,288.43	\$ 6,288.43
1974	\$ 92,170.00	\$ -	\$ 92,170.00	2020	10132	\$ 462,310.12	\$ 462,310.12
1975	\$ 49,531.00	\$ -	\$ 49,531.00	2212	10132	\$ 226,875.27	\$ 226,875.27
1976	\$ 108,570.00	\$ -	\$ 108,570.00	2401	10132	\$ 458,155.45	\$ 458,155.45
1977	\$ 14,975.00	\$ -	\$ 14,975.00	2576	10132	\$ 58,900.12	\$ 58,900.12
1978	\$ 18,575.00	\$ -	\$ 18,575.00	2776	10132	\$ 67,796.07	\$ 67,796.07
1979	\$ 183,793.00	\$ -	\$ 183,793.00	3003	10132	\$ 620,110.12	\$ 620,110.12
1980	\$ 143,207.00	\$ -	\$ 143,207.00	3237	10132	\$ 448,246.32	\$ 448,246.32
1981	\$ 6,815.00	\$ -	\$ 6,815.00	3535	10132	\$ 19,533.12	\$ 19,533.12
1982	\$ 99.00	\$ -	\$ 99.00	3825	10132	\$ 262.24	\$ 262.24
1983	\$ 1,055.00	\$ -	\$ 1,055.00	4066	10132	\$ 2,628.94	\$ 2,628.94
1984	\$ 4,736.00	\$ -	\$ 4,736.00	4146	10132	\$ 11,573.84	\$ 11,573.84
1985	\$ 95,971.00	\$ -	\$ 95,971.00	4195	10132	\$ 231,794.56	\$ 231,794.56
1986	\$ 169,656.00	\$ -	\$ 169,656.00	4295	10132	\$ 400,222.26	\$ 400,222.26
1987	\$ 232,802.00	\$ -	\$ 232,802.00	4406	10132	\$ 535,349.49	\$ 535,349.49
1988	\$ 736,093.00	\$ -	\$ 736,093.00	4519	10132	\$ 1,650,385.99	\$ 1,650,385.99
1989	\$ 981,229.00	\$ -	\$ 981,229.00	4615	10132	\$ 2,154,238.84	\$ 2,154,238.84
1990	\$ 8,091,034.00	\$ -	\$ 8,091,034.00	4732	10132	\$ 17,324,251.16	\$ 17,324,251.16
1991	\$ 18,019,993.00	\$ -	\$ 18,019,993.00	4835	10132	\$ 37,761,855.03	\$ 37,761,855.03
1992	\$ 5,933,112.00	\$ -	\$ 5,933,112.00	4985	10132	\$ 12,059,035.26	\$ 12,059,035.26
1993	\$ 1,117,936.00	\$ -	\$ 1,117,936.00	5210	10132	\$ 2,174,074.39	\$ 2,174,074.39
1994	\$ 456,565.00	\$ -	\$ 456,565.00	5408	10132	\$ 855,383.98	\$ 855,383.98
1995	\$ 411,257.00	\$ -	\$ 411,257.00	5471	10132	\$ 761,626.01	\$ 761,626.01
1996	\$ 106,350.00	\$ -	\$ 106,350.00	5620	10132	\$ 191,732.78	\$ 191,732.78
1997	\$ 296,887.00	\$ -	\$ 296,887.00	5826	10132	\$ 516,316.35	\$ 516,316.35
1998	\$ 1,631,664.00	\$ -	\$ 1,631,664.00	5920	10132	\$ 2,792,570.89	\$ 2,792,570.89
1999	\$ 1,714,730.00	\$ 260,000.00	\$ 1,454,730.00	6059	10132	\$ 2,432,633.17	\$ 2,432,633.17
2000	\$ 2,752,597.00	\$ -	\$ 2,752,597.00	6221	10132	\$ 4,483,091.59	\$ 4,483,091.59
2001	\$ 3,609,790.00	\$ 105,000.00	\$ 3,504,790.00	6343	10132	\$ 5,598,381.25	\$ 5,598,381.25
2002	\$ 12,444,054.00	\$ -	\$ 12,444,054.00	6538	10132	\$ 19,284,667.35	\$ 19,284,667.35
2003	\$ 16,854,836.00	\$ -	\$ 16,854,836.00	6694	10132	\$ 25,511,383.08	\$ 25,511,383.08
2004	\$ 16,266,860.13	\$ -	\$ 16,266,860.13	7129	10132	\$ 23,119,066.75	\$ 23,119,066.75
2006	\$ 62,320.00	\$ -	\$ 62,320.00	7751	10132	\$ 81,463.84	\$ 81,463.84
2007	\$ 1,858,303.00	\$ -	\$ 1,858,303.00	7967	10132	\$ 2,363,289.32	\$ 2,363,289.32
2008	\$ 5,395,900.20	\$ -	\$ 5,395,900.20	8310	10132	\$ 6,578,972.42	\$ 6,578,972.42
2009	\$ 77,500.00	\$ -	\$ 77,500.00	8570	10132	\$ 91,625.44	\$ 91,625.44
2010	\$ 68,140.00	\$ -	\$ 68,140.00	8802	10132	\$ 78,436.09	\$ 78,436.09
2011	\$ 396,061.86	\$ 100,000.00	\$ 296,061.86	9070	10132	\$ 330,727.54	\$ 330,727.54
2012	\$ 1,638,099.00	\$ -	\$ 1,638,099.00	9308	10132	\$ 1,783,113.35	\$ 1,783,113.35
2013	\$ 236,875.00	\$ -	\$ 236,875.00	9547	10132	\$ 251,389.70	\$ 251,389.70
2014	\$ 205,871.84	\$ -	\$ 205,871.84	9806	10132	\$ 212,716.04	\$ 212,716.04
2015	\$ 7,528,858.00	\$ 25,000.00	\$ 7,503,858.00	10034	10132	\$ 7,577,146.63	\$ 7,577,146.63
<i>Total Historical & Trended Cost</i>	\$ 119,069,096.24	\$ 1,885,766.42	\$ 117,183,329.82			\$ 240,406,332.70	\$ 240,406,332.70

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	\$ 6,151,546.89	\$ 807,531.05	\$ 5,344,015.84	1381	10132	7.34	\$ 39,207,507.97	\$ 39,207,507.97			
1999	\$ 110,782.00	\$ -	\$ 110,782.00	6060	10132	1.67	\$ 185,221.65	\$ 185,221.65			
2003	\$ 152,455.00	\$ -	\$ 152,455.00	6695	10132	1.51	\$ 230,720.55	\$ 230,720.55			
2005	\$ 1,314,124.00	\$ 1,314,124.00	\$ -	7446	10132	1.36	\$ -	\$ -			
2006	\$ 1,402,896.00	\$ 1,402,896.00	\$ -	7751	10132	1.31	\$ -	\$ -			
2007 ¹	\$ 785,055.00	\$ 785,055.00	\$ -	7967	10132	1.27	\$ -	\$ -			
2008 ¹	\$ 522,182.45	\$ 504,192.45	\$ 17,990.00	8310	10132	1.22	\$ 21,934.38	\$ 21,934.38			
2009	\$ 1,157,316.39	\$ 1,157,316.39	\$ -	8570	10132	1.18	\$ -	\$ -			
2010	\$ 990,316.00	\$ 990,316.00	\$ -	8802	10132	1.15	\$ -	\$ -			
2011	\$ 108,562.44	\$ 108,562.44	\$ -	9070	10132	1.12	\$ -	\$ -			
2012	\$ 676,520.00	\$ 676,520.00	\$ -	9308	10132	1.09	\$ -	\$ -			
2013 ¹	\$ 2,640,435.00	\$ 2,640,435.00	\$ -	9547	10132	1.06	\$ -	\$ -			
2014 ¹	\$ 1,124,344.68	\$ 1,124,344.68	\$ -	9806	10132	1.03	\$ -	\$ -			
2015	\$ 62,741.00	\$ -	\$ 62,741.00	10034	10132	1.01	\$ 63,353.78	\$ 63,353.78			
<i>Total Historical & Trended Cost</i>							\$ 17,199,276.85	\$ 11,511,293.01	\$ 5,687,983.84	\$ 39,708,738.32	\$ 39,708,738.32

TOTAL HISTORICAL COSTS (ROUNDED) \$ 39,708,738.32

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	\$ 35,600.84	\$ 35,600.84	\$ 35,600.84	\$ -
1970	South Meter Pit	Building and Structures	1	\$ 35,600.84	\$ 35,600.84	\$ 35,600.84	\$ -
1970	Land ²	Land - Maylie	1	\$ 491,291.64	\$ 491,291.64	\$ 368,468.73	\$ 122,822.91
1972	Land ²	Land - ROW	1	\$ 186,277.85	\$ 186,277.85	\$ 139,708.39	\$ 46,569.46
1974	Harris Drive	Pumps and Controls	180 gpm	\$ 206,484.89	\$ 206,484.89	\$ 206,484.89	\$ -
1974	Harris Drive	Wetwell and Structures	1	\$ 299,047.08	\$ 299,047.08	\$ 299,047.08	\$ -
1974	Outer Drive	Pumps and Controls	180 gpm	\$ 206,484.89	\$ 206,484.89	\$ 206,484.89	\$ -
1974	Outer Drive	Wetwell and Structures	1	\$ 299,047.08	\$ 299,047.08	\$ 299,047.08	\$ -
1974	Kaywood	Pumps and Controls	180 gpm	\$ 206,484.89	\$ 206,484.89	\$ 206,484.89	\$ -
1974	Kaywood	Wetwell and Structures	1	\$ 299,047.08	\$ 299,047.08	\$ 299,047.08	\$ -
1979	Whitehall Road	Pumps and Controls	60 gpm	\$ 149,523.54	\$ 149,523.54	\$ 149,523.54	\$ -
1979	Whitehall Road	Wetwell and Structures	1	\$ 242,085.73	\$ 242,085.73	\$ 242,085.73	\$ -
1980	Gravity Sewer	Four Foot Diameter Brick or Concrete	5386	\$ 4,200.00	\$ 22,621,200.00	\$ 21,782,577.57	\$ 838,622.43
1980	Gravity Sewer	Five Foot Diameter Concrete	50	\$ 5,000.00	\$ 250,000.00	\$ 187,500.00	\$ 62,500.00
1980	Gravity Sewer	Air Release Manholes	45	\$ 4,000.00	\$ 180,000.00	\$ 135,000.00	\$ 45,000.00
1980	Gravity Sewer	8" Diameter Gravity Sewer	780344	\$ 100.00	\$ 78,034,400.00	\$ 78,034,400.00	\$ -
1980	Gravity Sewer	10" Diameter Gravity Sewer	17002	\$ 105.00	\$ 1,785,210.00	\$ -	\$ 1,785,210.00
1980	Gravity Sewer	12" Diameter Gravity Sewer	13041	\$ 110.00	\$ 1,434,510.00	\$ -	\$ 1,434,510.00
1980	Forcemain	1.5" Diameter Forcemain ¹	375	\$ 39.00	\$ 14,625.00	\$ 10,968.75	\$ 3,656.25
1980	Forcemain	2" Diameter Forcemain ¹	414	\$ 39.00	\$ 16,146.00	\$ 12,109.50	\$ 4,036.50
1980	Forcemain	3" Diameter Forcemain ¹	4120	\$ 42.00	\$ 173,040.00	\$ 129,780.00	\$ 43,260.00
1980	Land ²	Pump Station/Meter Pit Sites	1	\$ 1,246,029.52	\$ 1,246,029.52	\$ 934,522.14	\$ 311,507.38
1980	Land ²	Forcemain and Gravity Sewer Easements	1	\$ 6,764,160.22	\$ 6,764,160.22	\$ 5,073,120.17	\$ 1,691,040.06
1986	North Meter Pit	Metering Equipment	1	\$ 242,085.73	\$ 242,085.73	\$ 242,085.73	\$ -
1986	South Meter Pit	Metering Equipment	1	\$ 242,085.73	\$ 242,085.73	\$ 242,085.73	\$ -
1986	Haymarket	Pumps and Controls	83 gpm	\$ 156,643.71	\$ 156,643.71	\$ 156,643.71	\$ -
1986	Haymarket	Wetwell and Structures	1	\$ 256,326.07	\$ 256,326.07	\$ 256,326.07	\$ -
1988	Persia	Pumps and Controls	69 gpm	\$ 156,643.71	\$ 156,643.71	\$ 156,643.71	\$ -
1988	Persia	Wetwell and Structures	1	\$ 256,326.07	\$ 256,326.07	\$ 256,326.07	\$ -
1988	Scenery Park	Pumps and Controls	68 gpm	\$ 156,643.71	\$ 156,643.71	\$ 156,643.71	\$ -
1988	Scenery Park	Wetwell and Structures	1	\$ 256,326.07	\$ 256,326.07	\$ 256,326.07	\$ -
1990	Piney Ridge	Pumps and Controls	174 gpm	\$ 206,484.89	\$ 206,484.89	\$ 206,484.89	\$ -
1990	Piney Ridge	Wetwell and Structures	1	\$ 299,047.08	\$ 299,047.08	\$ 299,047.08	\$ -
1990	Piney Ridge	Generator	1	\$ 42,721.01	\$ 42,721.01	\$ 42,721.01	\$ -
1991	Aspen Heights	Pumps and Controls	111 gpm	\$ 170,884.05	\$ 170,884.05	\$ 170,884.05	\$ -
1991	Aspen Heights	Wetwell and Structures	1	\$ 249,205.90	\$ 249,205.90	\$ 249,205.90	\$ -
1992	St. Ives Place	Pumps and Controls	90 gpm	\$ 163,763.88	\$ 163,763.88	\$ 163,763.88	\$ -
1992	St. Ives Place	Wetwell and Structures	1	\$ 270,566.41	\$ 270,566.41	\$ 270,566.41	\$ -
1994	Land ²	Land - ROW	1	\$ 30,349.01	\$ 30,349.01	\$ 22,761.76	\$ 7,587.25
1995	Graysdale 2A	Pumps and Controls	76 gpm	\$ 156,643.71	\$ 156,643.71	\$ 156,643.71	\$ -
1995	Graysdale 2A	Wetwell and Structures	1	\$ 256,326.07	\$ 256,326.07	\$ 256,326.07	\$ -
1999	Graysdale 2B	Pumps and Controls	76 gpm	\$ 156,643.71	\$ 156,643.71	\$ 156,643.71	\$ -
1999	Graysdale 2B	Wetwell and Structures	1	\$ 256,326.07	\$ 256,326.07	\$ 256,326.07	\$ -
1999	Graysdale 2B	Generator	1	\$ 35,600.84	\$ 35,600.84	\$ 35,600.84	\$ -
1999	Fox Hill Road	Pumps and Controls	167 gpm	\$ 199,364.72	\$ 199,364.72	\$ 199,364.72	\$ -
1999	Fox Hill Road	Wetwell and Structures	1	\$ 284,806.75	\$ 284,806.75	\$ 284,806.75	\$ -
1999	Fox Hill Road	Generator	1	\$ 49,841.18	\$ 49,841.18	\$ 49,841.18	\$ -
2003	Claster's Meter Pit	Building and Structures	1	\$ 58,385.38	\$ 58,385.38	\$ -	\$ 58,385.38
2004	Marywood	Pumps and Controls (146 gpm)	1	\$ 185,124.39	\$ 185,124.39	\$ 185,124.39	\$ -
2004	Marywood	Wetwell and Structures	1	\$ 270,566.41	\$ 270,566.41	\$ 270,566.41	\$ -
2004	Marywood	Generator	1	\$ 42,721.01	\$ 42,721.01	\$ 42,721.01	\$ -
2013	Land ²	Land - Top of Hill	1	\$ 28,715.64	\$ 28,715.64	\$ 21,536.73	\$ 7,178.91
<i>Total Replacement Cost</i>				\$ 120,313,466.05	\$ 113,851,579.53	\$ 6,461,886.53	

SUBTOTAL REPLACEMENT COSTS (ROUNDED) \$ 6,461,886.53
 Engineering, Permitting, Bidding, & Construction Administration \$ 387,713.19 (6%)
 Legal and Financing Costs (2.0%) \$ 129,237.73
 TOTAL REPLACEMENT COSTS \$ 6,978,837.45

TOTAL COSTS (HISTORICAL + REPLACEMENT) \$ 46,687,575.77

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	10A Principle	10A Interest	2011A Principle	2011A Interest	2012 Principle	2012 Interest	2014 Principle	2014 Interest	2015 Principle	2015 Interest	Emmaus Prin.	Emmaus Int.	Total Debt Service Due
Mar-16	\$2,500	\$114,265	\$170,000	\$82,299	\$1,317,500	\$232,200	\$795,000	\$662,060	\$153,660	\$153,660	\$75,000	\$18,977	\$3,623,460
Sep-16	\$2,500	\$114,265	\$170,000	\$82,299	\$1,317,500	\$232,200	\$795,000	\$662,060	\$153,660	\$153,660	\$75,000	\$18,977	\$3,529,483
Mar-17	\$2,500	\$114,213	\$187,500	\$78,899	\$1,387,500	\$179,500	\$807,500	\$623,979	\$153,660	\$153,660	\$80,000	\$15,515	\$3,630,765
Sep-17	\$2,500	\$114,213	\$187,500	\$78,899	\$1,387,500	\$179,500	\$807,500	\$623,979	\$153,660	\$153,660	\$80,000	\$15,515	\$3,535,250
Mar-18	\$2,500	\$114,154	\$200,000	\$75,149	\$1,422,500	\$151,750	\$827,500	\$584,815	\$153,660	\$153,660	\$80,000	\$12,035	\$3,624,063
Sep-18	\$2,500	\$114,154	\$200,000	\$75,149	\$1,422,500	\$151,750	\$827,500	\$584,815	\$153,660	\$153,660	\$80,000	\$12,035	\$3,532,028
Mar-19	\$15,000	\$114,089	\$215,000	\$70,449	\$1,512,500	\$80,625	\$827,500	\$544,268	\$153,660	\$153,660	\$85,000	\$8,356	\$3,626,446
Sep-19	\$15,000	\$114,089	\$215,000	\$70,449	\$1,512,500	\$80,625	\$827,500	\$544,268	\$153,660	\$153,660	\$85,000	\$8,356	\$3,533,090
Mar-20	\$20,000	\$113,661	\$227,500	\$64,806	\$250,000	\$5,000	\$1,225,000	\$503,720	\$153,660	\$153,660	\$90,000	\$4,459	\$2,657,805
Sep-20	\$20,000	\$113,661	\$227,500	\$64,806	\$250,000	\$5,000	\$1,225,000	\$503,720	\$153,660	\$153,660	\$90,000	\$4,459	\$2,563,346
Mar-21	\$172,500	\$113,061	\$245,000	\$58,322	\$245,000	\$5,000	\$1,285,000	\$443,695	\$205,000	\$153,660	\$95,000	\$344	\$2,771,582
Sep-21	\$172,500	\$113,061	\$245,000	\$58,322	\$245,000	\$5,000	\$1,285,000	\$443,695	\$205,000	\$153,660	\$95,000	\$344	\$2,676,238
Mar-22	\$215,000	\$107,541	\$260,000	\$50,972	\$260,000	\$50,972	\$1,350,000	\$380,730	\$302,500	\$144,947	\$302,500	\$0	\$2,811,690
Sep-22	\$215,000	\$107,541	\$260,000	\$50,972	\$260,000	\$50,972	\$1,350,000	\$380,730	\$302,500	\$144,947	\$302,500	\$0	\$2,811,690
Mar-23	\$212,500	\$100,339	\$280,000	\$42,847	\$1,415,000	\$314,580	\$1,415,000	\$314,580	\$312,500	\$132,847	\$312,500	\$0	\$2,810,613
Sep-23	\$212,500	\$100,339	\$280,000	\$42,847	\$1,415,000	\$314,580	\$1,415,000	\$314,580	\$312,500	\$132,847	\$312,500	\$0	\$2,810,613
Mar-24	\$207,500	\$93,008	\$297,500	\$33,747	\$297,500	\$33,747	\$1,490,000	\$245,245	\$325,000	\$120,347	\$325,000	\$0	\$2,812,346
Sep-24	\$207,500	\$93,008	\$297,500	\$33,747	\$297,500	\$33,747	\$1,490,000	\$245,245	\$325,000	\$120,347	\$325,000	\$0	\$2,812,346
Mar-25	\$207,500	\$85,641	\$320,000	\$23,706	\$320,000	\$23,706	\$1,557,500	\$172,235	\$332,500	\$112,628	\$332,500	\$0	\$2,811,711
Sep-25	\$207,500	\$85,641	\$320,000	\$23,706	\$320,000	\$23,706	\$1,557,500	\$172,235	\$332,500	\$112,628	\$332,500	\$0	\$2,811,711
Mar-26	\$200,000	\$78,171	\$345,000	\$12,506	\$345,000	\$12,506	\$1,635,000	\$95,918	\$342,500	\$104,316	\$342,500	\$0	\$2,813,411
Sep-26	\$200,000	\$78,171	\$345,000	\$12,506	\$345,000	\$12,506	\$1,635,000	\$95,918	\$342,500	\$104,316	\$342,500	\$0	\$2,813,411
Mar-27	\$907,500	\$70,771	\$907,500	\$0	\$907,500	\$0	\$1,577,500	\$15,803	\$1,565,000	\$95,325	\$1,565,000	\$0	\$2,811,899
Sep-27	\$907,500	\$70,771	\$907,500	\$0	\$907,500	\$0	\$1,577,500	\$15,803	\$1,565,000	\$95,325	\$1,565,000	\$0	\$2,811,899
Mar-28	\$942,500	\$36,286	\$942,500	\$0	\$942,500	\$0	\$1,612,500	\$8,085	\$1,612,500	\$48,375	\$1,612,500	\$0	\$2,812,746
Sep-28	\$942,500	\$36,286	\$942,500	\$0	\$942,500	\$0	\$1,612,500	\$8,085	\$1,612,500	\$48,375	\$1,612,500	\$0	\$2,812,746
TOTAL	\$6,215,000	\$2,510,400	\$5,495,000	\$1,187,406	\$11,780,000	\$1,298,150	\$27,075,000	\$9,190,262	\$9,995,000	\$3,361,483	\$505,000	\$59,686	\$78,672,387
Percent Capacity	100%	100%	100%	100%	100%	100%	100%	100%	80%	80%	0%	0%	
Total Capacity	\$6,215,000	\$2,510,400	\$5,495,000	\$1,187,406	\$11,780,000	\$1,298,150	\$27,075,000	\$9,190,262	\$7,996,000	\$2,689,186	\$0	\$0	\$75,436,405
Percent Collection	0%	0%	0%	0%	0%	0%	0%	0%	20%	20%	0%	0%	
Total Collection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,999,000	\$672,297	\$0	\$0	\$2,671,297
Percent Special Purpose	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	
Total Special Purpose	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$505,000	\$59,686	\$564,686.00

Exhibit 4 - Derivation of Organic Based Tapping Fee Charge

A. Determination of Conversion Factor Based Upon Historic UAJA Loadings

Avg. Historic BOD Loading (Years 2010 - 2014) (Per Chapter 94 Report)	0.38 lb/day/EDU
	2.63 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 = 2.38	(Census Data - Centre County)

Lbs/day/EDU = 0.17 lb/day/cap * 2.38 people per household =	0.40 lb/day/EDU
	2.47 EDUs/1 lb BOD

(UAJA historic loading data appears appropriate when compared to standard industry approximations. With the consideration given to water saving appliances, UAJA's wastewater stream has a slightly higher concentration than predicted by the standard model.)

C. Verification Based Upon Capacity of AWTF

UAJA Influent BOD Loading Capacity Per Day =	38,801 lb.
UAJA Permitted Capacity =	9,000,000 gpd
Gallons/ lb. BOD =	231.95
Gallons per Residential User (EDU) 90 * 2.38 =	214
No. of EDUs in 1lb. BOD =	1.08 EDUs/1 lb BOD
No. of lb. BOD/ EDU =	0.92 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 =	2.63 EDUs/1 lb BOD
Max Tapping Fee/EDU - Capacity Part =	\$5,044.00 *2.63 EDUs/lb.
Capacity Part : Cost per Pound BOD₅ (non-residential) =	\$ 13,273.68 /lb
Max Tapping Fee/EDU - Collection Part =	\$1,344.00 *2.63 EDUs/lb.
Collection Part : Cost per Pound BOD₅ (non-residential) =	\$ 3,536.84 /lb
Total Residential Tapping Fee =	\$ 16,810.53 /lb