



UNIVERSITY AREA JOINT AUTHORITY

A G E N D A

Regular Meeting - 4:00 p.m. – December 15, 2021

1. Call to Order

2. Approval of the Minutes: Regular Meeting- November 17, 2021

3. Public Comment

3.1 Other items not on the agenda

4. Old Business

4.1 Potential Refinance Opportunity Series 2017 Bonds and Future Financing Needs

4.2 Contract 2020-11 High Voltage Switchgear Change Order No. 2

4.3 2022 Meeting Dates

5. New Business

5.1 Requisitions

6. Reports of Officers

6.1 SCBWA Liaison

6.2 Financial Report

6.3 Chairman's Report

6.4 Plant Superintendent's Report

6.5 Collection Systems Superintendent's Report

6.6 Consulting Engineer's Report

6.7 Construction Engineer

6.8 Executive Directors Report

7. Other Business

8. Adjournment

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

Regular Meeting – November 17, 2021

1. Call to Order

Mr. Lapinski, Chair, called the regular meeting to order at 4:00 p.m., Wednesday, November 17, 2021. The meeting was held in the Board Room in the office of the Authority with the following in attendance in person: Messrs. Auman, Dempsey Ebaugh, Guss and Kunkle; Cory Miller, Executive Director; Jason Brown, Assistant Executive Director; Mark Harter, Collection System Superintendent; Art Brant, Plant Superintendent; Jennifer Grove, Administrative Assistant; Jason Wert, Rettew; David Gaines, Solicitor; C-NET; Ben Burns, HRG Consulting Engineer; and Jeff Garrigan, HRG Consulting Engineer. The following were in attendance via Zoom: Messr. Derr, Miller and Nucciarone; Adrienne Vicari, HRG; Eric Brooks, State College Borough and Brian Robbins, State College Borough.

2. Reading of the Minutes

UAJA Regular Meeting – October 20, 2021

**UAJA Meeting
Minutes Approved**

A motion was made by Mr. Dempsey, second by Mr. Ebaugh, to approve the minutes of the UAJA meeting held on October 20, 2021. The motion passed unanimously.

3. Public Comment

3.1 Other items not on the agenda

None.

4. Old Business

4.1 Tapping Fee Study

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

Recommendation: Accept the report.

**Tapping Fee Study
Report Accepted**

A motion was made by Mr. Guss, second by Mr. Derr, to accept the tapping fee study report. The motion passed unanimously.

4.2 State College Borough Rate

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

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

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

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

**Approval of Rate
Change for State
College Borough**

A motion was made by Mr. Kunkle, second by Mr. Ebaugh, to approve the rate study that has been submitted that provides for a change in the rates for State College Borough at approximately 17.5%, that we include the revenue from that rate increase in our 2022 budget, and that we review the rate increase as well as the budget prior to our first quarter billing in March 2022. The motion passed unanimously.

4.3 2022 Budget

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

Recommendation: Approve the 2022 Budget

**2022 Budget
Approved**

A motion was made by Mr. Nucciarone, second by Mr. Guss, to approve the 2022 budget. The motion passed unanimously.

4.4 2022 Health Insurance

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

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

**2022 Health
Insurance
Approved**

A motion was made by Mr. Derr, second by Mr. Dempsey, to approve the 2022 health insurance. The motion passed unanimously. Mr. Kunkle did not vote.

4.5 Easement Condemnation Scott Road Project

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

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

**Scott Road Project
Condemnation of
Easements
Authorized**

A motion was made by Mr. Auman, second by Mr. Ebaugh, to authorize condemnation of any and all easements associated with the Scott Road Project. The motion passed unanimously.

5. New Business

5.1 Ozone Project Bid Awards

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

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

**General Contract,
Electrical Contract
and Mechanical
Contract Awarded**

A motion was made by Mr. Guss, second by Mr. Kunkle to award the general contract to PSI Solutions for \$5,448,000, the electrical contract to PSI Solutions for \$350,000, and the mechanical contract to McClure Company for \$223,000. The motion passed unanimously.

5.2 Requisitions

BRIF #624	HRG Shiloh Road Project	\$312.50
BRIF #625	HRG Scott Road Pump Station Project	\$1,300.00
BRIF #626	HRG Greenbriar Record Drawings	\$780.00
BRIF #627	HRG Fiber Optic Conduits	\$1,350.00

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

**BRIF
Approved**

A motion was made by Mr. Dempsey, second by Mr. Derr to approve BRIF #624, #625, #626, #627, #628, #629, #630, #631, #632, #633, #634, #635, #636, #637, #638 and #639 in the amount of \$264,237.53. The motion passed unanimously.

Construction Fund #024	Rettew Biosolids Upgrade Project	\$3,054.25
Construction Fund #025	Penns Valley Code Enforcement Ozone Project Permit	\$3,136.50

TOTAL 2020 A CONSTRUCTION FUND

\$6,190.75

**Construction Fund
Approved**

A motion was made by Mr. Derr, second by Mr. Dempsey to approve Construction Fund #240 and #025 in the amount of \$6,190.75. The motion passed unanimously.

Revenue Fund #182

Debt Service, Operation and
Maintenance Expenses

\$1,000,000

TOTAL REVENUE FUND

\$1,000,000

**Revenue Fund
Approved**

A motion was made by Mr. Ebaugh, second by Mr. Auman to approve Revenue Fund #182 in the amount of \$1,000,000. The motion passed unanimously.

6. Reports of Officers

6.1 SCBWA Liaison

None.

6.2 Financial Report

The different cost centers of the YTD budget report for the period ending October 31, 2021, were reviewed with the Board by Jason Brown.

6.3 Chairman's Report

Mr. Lapinski thanked HRG for their work on the rate study as well as the board members for their involvement. Mr. Cory Miller asked for Mr. Dempsey to give an update on the Rate Committee. Mr. Dempsey said they added a new member, Mr. Songer, and they discussed fixed and variable costs. At the last meeting they also looked into other rates around Pennsylvania. At the December meeting they will discuss the issues to be considered the most important in terms of determining the rate.

6.4 Plant Superintendent's Report

Compost & Septage Operations Report

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

COMPOST PRODUCTION AND DISTRIBUTION

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

SEPTAGE OPERATIONS

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

Plant Operation

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for October was 3.56mgd with the average for the month being 4.32mgd. The average monthly **influent** flow was 5.64mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	Oct. 2021	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	30,000	276,000		
Centre Hills	3,465,000	29,358,000	Oct. -21	Oct. -21
Cintas	515,000	4,888,000	68.6	67.9
Red Line	326,000	4,635,000		
UAJA Wetland	6,180,000	48,170,000		
GDK Vault	38,071,000	303,955,000		
Elks	1,710,000	6,911,000		
Kissingers	1,519,000	18,883,000		
Stewarts/M.C.	4,200	43,310		
TOTAL	51,820,200	417,119,310		

Plant Maintenance

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

- Replaced belts and pulleys in the Compost MUA units. PBCI Allen was in to inspect and adjusted the units.

6.5 Collection System Superintendent's Report

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

Mainline Maintenance:

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

Lift Station Maintenance:

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

Next Month Projects:

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

Inspection: Final As-Built Approved:

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

Mainline Construction:

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

New Connections:

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

TOTAL 8

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

6.6 Engineer's Report

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

Odor Control System Upgrades (R001178.0597)

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

Proposed Air Quality Emissions Inventory and Operation Permit Schedule

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

Based on DEP's input and timeline for review.

Shiloh Road Pump Station Upgrades (R001178.0632)

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

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

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

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

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

Proposed Meeks Lane Pump Station Project Implementation Schedule

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

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

**Minimum construction period required for UAJA Construction Crew.

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

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

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

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

Scot Road Pump Station Project Milestone Dates

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

Fiber Optic Conduit – (R001178.0687)

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

Entry Road Storm Water Improvements – (R001178.0688)

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

Entry Road Project Implementation Schedule

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

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

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

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

Princeton Drive Sanitary Sewer Replacement – (R001178.0699)

- Updated design information was provided by Ferguson Township for the proposed rock structures that will be placed on top of the existing alignment. If a new sewer line is installed along the existing alignment at minimum slope, there will be a minimum of two feet of clearance between the top of the pipe and the bottom of the rock structure.

- Alternative alignments (placing the sewer outside of the swale) were considered; however, Ferguson Township was concerned about impacts to trees.

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

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

Developer Plan Reviews

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

6.7 Construction Report

ENR/AWT Upgrade Project (094612009)

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

Aeration Line Improvements (094612035)

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

Payment Requests To Date						
Contract Number	Application for Payment #	Current Payment Due	Contract Price to Date incld/CO	Total Work to Date	% Monetarily Complete	Balance of Contract Amount
2020-08			\$539,073.95	\$539,073.95	100.00 %	\$26,953.70
2020-09			\$108,302.06	\$108,302.06	100.00 %	\$0.00
		\$0.00	\$647,376.01	\$647,376.01	100.00 %	\$26,953.70

WWTP NPDES Permit – Phosphorus Study (094612027)

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

Ozone Disinfection for Effluent (094612023)

- Bids were received for the three contracts on November 10th. A full tabulation of the bid results is attached to this report and a total of twelve bids were received for the various contracts. RETTEW's estimate for the project was \$5,500,000 and the bids received are approximately 9% higher than the estimate. We have discussed this with the various parties and note the following:
 - Pricing on the Ozone Equipment (approximately 40% of the General Construction Price) had an increase of approximately \$100k since our last quotation received just before bidding. Combined with Contractor markup, this was a significant portion of the General Construction price increase.
 - Contractors indicated that they are carrying increased inflation rates for materials over the life of the construction project (12 months duration) as overall pricing is volatile.
 - The Mechanical Construction had significant inflationary costs built in as their work would not actually begin until mid-2022 once the building is erected.
- While disappointing to see a price increase, the overall construction market is volatile and pricing pressures are intense. Given that the primary goals of the Ozone Project are to reduce operating costs, increase disinfection performance, and replace obsolete equipment, RETTEW verified that the Authority would still have significant operational costs savings payback at the slight increase in capital costs. Net Operational Cost savings are projected at \$3.8mm (assuming a 1.5% rate of inflation on electricity rates) and avoided capital costs are in excess of \$3.5mm, resulting in total savings to the Authority of \$7.3mm over the next twenty years.
- Based on our review of the bids received and economics, we recommend the Authority issue Notices of Intent to Award as follows:

Contract No. 2021-05: General Construction	PSI Pumping Solutions	\$5,448,000.00
Contract No. 2021-06: Electrical Construction	PSI Pumping Solutions	\$350,000.00
Contract No. 2021-07: Mechanical Construction	McClure Company	\$223,000.00

Anaerobic Digestion Project (094612026)

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

High Voltage Switchgear Replacement (094612045)

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

Payment Requests to Date						
Contract Number	Application for Payment #	Current Payment Due	Contract Price To Date incld/CO	Total Work To Date	% Monetarily Complete	Balance of Contract Amount
2020-11	6	\$117,301.84	\$1,121,436.21	\$1,119,986.21	99.87%	\$23,764.00
		\$117,301.84	\$1,121,436.21	\$1,119,986.21	99.87%	\$23,764.00

Modifications to GD Kissinger Meadow Stream Augmentation

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

6.8 Executive Director's Report

Sheep for the Solar Field

The authority is still working on the use of sheep for the grass in the solar field.

7 Other Business

None.

8 Adjournment

The meeting was adjourned at 5:17 p.m. via motion by Mr. Dempsey and second by Mr. Kunkle.

Respectfully submitted,

UNIVERSITY AREA JOINT AUTHORITY

Secretary/Assistant Secretary

12/07/2021 09:14
kwheeler

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

P 1
glytdbud

FOR 2021 11

ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1040410 REVENUE-SEWER	-14,873,932	0	-14,873,932	-10,842,750.06	.00	-4,031,181.94	72.9%
1040420 REVENUE-SOLIDS	-74,000	0	-74,000	-98,960.05	.00	24,960.05	133.7%
1040425 REVENUE-BU WATER	-25,000	0	-25,000	-22,208.00	.00	-2,792.00	88.8%
1040430 MAINTENANCE	-65,000	0	-65,000	-83,424.50	.00	18,424.50	128.3%
1040440 REVENUE-PERMIT/TAP FEES	-1,114,079	0	-1,114,079	-1,325,155.39	.00	211,076.39	118.9%
1040450 REVENUE-ADVCD. CONSTRC FEE	-40,000	0	-40,000	-20,777.06	.00	-19,222.94	51.9%
1040451 REVENUE-MISC. REIMBURSEMNT	-272,914	0	-272,914	-138,579.02	.00	-134,334.66	50.8%
1040470 INTEREST EARNINGS-CASH ACCT	-1,410	0	-1,410	-375.48	.00	-1,034.52	26.6%
1040472 INTEREST EARNINGS-PLIGIT	-375	0	-375	-1.82	.00	-373.18	.5%
1040474 INTEREST EARNINGS - TRUSTEE	-90,555	0	-90,555	-147,283.36	.00	56,728.36	162.6%
1040480 REVENUES-MISCELLANEOUS	-95,000	0	-95,000	-50,935.16	.00	-44,064.84	53.6%
1045919 CIP-WWTP-LAB	14,700	0	14,700	13,833.93	.00	866.07	94.1%
1045921 CIP-COLLECTION MAINT I&I	2,070,500	0	2,070,500	762,219.24	.00	1,308,280.76	36.8%
1045922 CIP-COLLECTION-CONST. EQUIP	379,776	0	379,776	22,668.30	.00	357,107.70	6.0%
1045924 CIP-WWTP-PHYSICAL PLANT	6,589,060	0	6,589,060	2,444,577.37	.00	4,144,482.63	37.1%
1045928 CIP-BENEFICIAL REUSE	242,250	0	242,250	278,740.30	.00	-36,490.30	115.1%
1045929 CIP-WWTP-DEWATERING FACILIT	0	0	0	49,279.09	.00	-49,279.09	100.0%
1045930 CIP-WWTP-COMPOST FACILITY	10,330,000	0	10,330,000	418,934.03	.00	9,911,065.97	4.1%
1045950 CIP-GENERAL & ADMINISTRATIV	190,000	0	190,000	.00	.00	190,000.00	.0%
1050050 GENERAL & ADMINISTRATIVE	1,757,627	0	1,757,627	1,630,087.86	.00	127,539.14	92.7%
1050053 G & A - INFORMATION TECHNOL	94,265	0	94,265	85,146.34	.00	9,118.66	90.3%
1050054 G & A - FLEET/FUEL	197,000	0	197,000	162,773.19	.00	34,226.81	82.6%
1052052 DEBT SERVICE	6,655,882	0	6,655,882	2,029,978.55	.00	4,625,903.71	30.5%
1060019 WWTP - LABORATORY	323,063	0	323,063	280,068.50	.00	42,994.29	86.7%
1060022 TREATMENT PLANT MAINTENANCE	1,120,589	0	1,120,589	1,048,263.43	.00	72,325.57	93.5%
1060023 MAIN STATION	89,000	0	89,000	52,770.03	.00	36,229.97	59.3%
1060025 WWTP - IPP	117,018	0	117,018	95,214.78	.00	21,803.22	81.4%
1060028 WWTP - BENEFICIAL REUSE	848,408	0	848,408	834,612.35	.00	13,795.65	98.4%
1060029 WWTP - DEWATERING	476,278	0	476,278	329,463.72	.00	146,814.28	69.2%
1060030 WWTP - COMPOST	917,004	0	917,004	811,296.83	.00	105,707.17	88.5%
1060032 TREATMENT PLANT OPERATION	1,896,631	0	1,896,631	1,903,486.87	.00	-6,855.87	100.4%
1070021 COLLECTION-MAINTENANCE	1,757,721	0	1,757,721	1,569,084.39	.00	188,636.61	89.3%
1070022 CONSTRUCT EQUIP MAINTENANCE	65,000	0	65,000	67,203.96	.00	-2,203.96	103.4%
1070034 COLLECTION-INSPECTION	450,239	0	450,239	412,568.76	.00	37,670.24	91.6%
1070036 COLLECTION-PUMP STATION	157,600	0	157,600	100,909.56	.00	56,690.44	64.0%
TOTAL OPERATING FUND	20,087,346	0	20,087,346	2,672,731.48	.00	17,414,614.89	13.3%
TOTAL REVENUES	-16,652,265	0	-16,652,265	-12,730,449.90	.00	-3,921,814.78	
TOTAL EXPENSES	36,739,611	0	36,739,611	15,403,181.38	.00	21,336,429.67	

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1040410 REVENUE-SEWER							
1040410 4101 UAJA TOTAL SEWER R	-10,324,932	0	-10,324,932	-7,799,317.00	.00	-2,525,615.00	75.5%*
1040410 4102 BORO SEWER TOTAL R	-3,800,000	0	-3,800,000	-2,622,402.23	.00	-1,177,597.77	69.0%*
1040410 4103 PGM TOTAL SEWER RE	-379,000	0	-379,000	-254,502.52	.00	-124,497.48	67.2%*
1040410 4104 PSU TOTAL SEWER RE	-220,000	0	-220,000	-71,576.31	.00	-148,423.69	32.5%*
1040410 4105 SURCHARGES TOTAL R	-150,000	0	-150,000	-94,952.00	.00	-55,048.00	63.3%*
TOTAL REVENUE-SEWER	-14,873,932	0	-14,873,932	-10,842,750.06	.00	-4,031,181.94	72.9%
1040420 REVENUE-SOLIDS							
1040420 4201 N5001 NONTAXABLE	-45,000	0	-45,000	-53,737.50	.00	8,737.50	119.4%
1040420 4201 N5002 TAXABLE COMPO	-6,000	0	-6,000	-10,472.20	.00	4,472.20	174.5%
1040420 4203 SLUDGE DISPOSAL	-23,000	0	-23,000	-34,750.35	.00	11,750.35	151.1%
TOTAL REVENUE-SOLIDS	-74,000	0	-74,000	-98,960.05	.00	24,960.05	133.7%
1040425 REVENUE-BU WATER							
1040425 4251 REVENUE-BU WATER	-25,000	0	-25,000	-22,208.00	.00	-2,792.00	88.8%*
TOTAL REVENUE-BU WATER	-25,000	0	-25,000	-22,208.00	.00	-2,792.00	88.8%
1040430 MAINTENANCE							
1040430 4301 REVENUE-MAINT BORO	-65,000	0	-65,000	-83,424.50	.00	18,424.50	128.3%
TOTAL MAINTENANCE	-65,000	0	-65,000	-83,424.50	.00	18,424.50	128.3%
1040440 REVENUE-PERMIT/TAP FEES							
1040440 4401 PERMIT/CONNECTION	-20,250	0	-20,250	-18,823.23	.00	-1,426.77	93.0%*
1040440 4402 TAP FEE-TREATMENT	-846,400	0	-846,400	-1,190,159.65	.00	343,759.65	140.6%

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1040440 4403 GHANER TAP FEE	-18,550	0	-18,550	-12,642.00	.00	-5,908.00	68.2%*
1040440 4404 TAP FEE-PGM COLLEC	-4,428	0	-4,428	-2,214.00	.00	-2,214.00	50.0%*
1040440 4405 IPP USER FEES	-4,750	0	-4,750	-3,800.00	.00	-950.00	80.0%*
1040440 4409 WATER QUALITY MNGT	-500	0	-500	-400.00	.00	-100.00	80.0%*
1040440 4410 REPAIR PERMIT	-1,550	0	-1,550	-1,450.00	.00	-100.00	93.5%*
1040440 4411 TAP FEE - ROUTE 26	-109,850	0	-109,850	-19,775.00	.00	-90,075.00	18.0%*
1040440 4412 CIRCLEVILLE TAP FE	-79,306	0	-79,306	-51,325.71	.00	-27,980.29	64.7%*
1040440 4413 VALLEY VISTA TAP F	-28,495	0	-28,495	-24,565.80	.00	-3,929.20	86.2%*
TOTAL REVENUE-PERMIT/TAP FEES	-1,114,079	0	-1,114,079	-1,325,155.39	.00	211,076.39	118.9%
1040450 REVENUE-ADVCD. CONSTRC FEE							
1040450 4407 INSPECTION FEES	-40,000	0	-40,000	.00	.00	-40,000.00	.0%*
1040450 4407 B5026 GRAYSWOOD BRY	0	0	0	-6,304.69	.00	6,304.69	100.0%
1040450 4407 B5353 INSPECTION FE	0	0	0	-2,936.59	.00	2,936.59	100.0%
1040450 4407 B5457 INSPECTION FE	0	0	0	-2,199.39	.00	2,199.39	100.0%
1040450 4407 B5468 INSPECTION FE	0	0	0	-4,866.09	.00	4,866.09	100.0%
1040450 4407 B5472 INSPECTION FE	0	0	0	-4,470.30	.00	4,470.30	100.0%
TOTAL REVENUE-ADVCD. CONSTRC FEE	-40,000	0	-40,000	-20,777.06	.00	-19,222.94	51.9%
1040451 REVENUE-MISC. REIMBURSEMNT							
1040451 4503 EMPLOYEE GROUP INS	-22,914	0	-22,914	-17,816.52	.00	-5,097.16	77.8%*
1040451 4508 SALE OF ASSETS	-250,000	0	-250,000	-120,762.50	.00	-129,237.50	48.3%*
TOTAL REVENUE-MISC. REIMBURSEMNT	-272,914	0	-272,914	-138,579.02	.00	-134,334.66	50.8%
1040470 INTEREST EARNINGS-CASH ACCTS							
1040470 4701 GENERAL CHECKING-I	-10	0	-10	.00	.00	-10.00	.0%*
1040470 4702 PAYROLL-INTEREST E	-400	0	-400	-84.51	.00	-315.49	21.1%*
1040470 4717 SWEEP CHECKING-INT	-1,000	0	-1,000	-290.97	.00	-709.03	29.1%*
TOTAL INTEREST EARNINGS-CASH ACCTS	-1,410	0	-1,410	-375.48	.00	-1,034.52	26.6%
1040472 INTEREST EARNINGS-PLIGIT							
1040472 4703 PLIGIT-INTEREST EA	-30	0	-30	-.12	.00	-29.88	.4%*

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1040472 4711 PLIGIT-EMMAUS-INTE	-200	0	-200	-.21	.00	-199.79	.1%*
1040472 4719 PLIGIT PLUS - INTE	-145	0	-145	-1.49	.00	-143.51	1.0%*
TOTAL INTEREST EARNINGS-PLIGIT	-375	0	-375	-1.82	.00	-373.18	.5%
1040474 INTEREST EARNINGS - TRUSTEE							
1040474 4706 BOND REMP/IMP-INTE	-30,000	0	-30,000	-46,905.49	.00	16,905.49	156.4%
1040474 4707 BRIF/EMMAUS-INTERE	-555	0	-555	-9.02	.00	-545.98	1.6%*
1040474 4724 INTEREST 93 DEBT S	-50,000	0	-50,000	-366,662.10	.00	316,662.10	733.3%
1040474 4725 INT 93 OPERATING E	-2,000	0	-2,000	-4,661.04	.00	2,661.04	233.1%
1040474 4726 INT 93 DEBT SERVIC	-5,000	0	-5,000	271,705.24	.00	-276,705.24	5434.1%*
1040474 4727 INT REVENUE FUND	-3,000	0	-3,000	-132.83	.00	-2,867.17	4.4%*
1040474 4733 2020A CONSTRUCTION	0	0	0	-345.10	.00	345.10	100.0%
1040474 4734 2021 CONSTRUCTION	0	0	0	-273.02	.00	273.02	100.0%
TOTAL INTEREST EARNINGS - TRUSTEE	-90,555	0	-90,555	-147,283.36	.00	56,728.36	162.6%
1040480 REVENUES-MISCELLANEOUS							
1040480 4899 MISCELLANEOUS RECE	-50,000	0	-50,000	-5,935.16	.00	-44,064.84	11.9%*
1040480 4909 SOLAR MAINTENANCE	-45,000	0	-45,000	-45,000.00	.00	.00	100.0%
TOTAL REVENUES-MISCELLANEOUS	-95,000	0	-95,000	-50,935.16	.00	-44,064.84	53.6%
1045919 CIP-WWTP-LAB							
1045919 0019 6318 BOD INCUBATOR	6,200	0	6,200	5,682.43	.00	517.57	91.7%
1045919 0019 6319 ANALYTICAL BAL	8,500	0	8,500	8,151.50	.00	348.50	95.9%
TOTAL CIP-WWTP-LAB	14,700	0	14,700	13,833.93	.00	866.07	94.1%
1045921 CIP-COLLECTION MAINT I&I							
1045921 0021 6271 SHILOH RELOCAT	70,000	0	70,000	121,903.10	.00	-51,903.10	174.1%*
1045921 0021 6272 GREENBRIAR ENG	50,000	0	50,000	8,931.97	.00	41,068.03	17.9%

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1045921 0021 6285 WHITEHALL ROAD	35,000	0	35,000	12,802.77	.00	22,197.23	36.6%
1045921 0021 6300 CAPITAL IN PRO	516,000	0	516,000	294,636.77	.00	221,363.23	57.1%
1045921 0021 6312 HAYMARKET PROJ	35,000	0	35,000	1,417.50	.00	33,582.50	4.1%
1045921 0021 6315 UAJA CONDUIT P	91,000	0	91,000	74,858.76	.00	16,141.24	82.3%
1045921 5405 6235 GRAYSWOODS ENG	15,000	0	15,000	4,664.00	.00	10,336.00	31.1%
1045921 5405 6271 SHILOH RELOCAT	5,000	0	5,000	1,935.95	.00	3,064.05	38.7%
1045921 5405 6272 GREENBRIAR ENG	10,000	0	10,000	9,075.00	.00	925.00	90.8%
1045921 5405 6300 SCOTT ROAD UPG	177,000	0	177,000	105,591.90	.00	71,408.10	59.7%
1045921 5405 6310 WHITEHALL ROAD	19,200	0	19,200	15,100.00	.00	4,100.00	78.6%
1045921 5405 6313 HAYMARKET ENGI	16,800	0	16,800	.00	.00	16,800.00	.0%
1045921 5405 6316 UAJA CONDUIT E	24,000	0	24,000	51,055.00	.00	-27,055.00	212.7%*
1045921 5505 6300 PUMP STATION M	749,000	0	749,000	.00	.00	749,000.00	.0%
1045921 ER01 6271 SHILOH RELOCAT	5,000	0	5,000	670.00	.00	4,330.00	13.4%
1045921 ER05 6300 RENTAL-TRUCK	75,000	0	75,000	2,280.00	.00	72,720.00	3.0%
1045921 PV01 6271 SHILOH TRENCH	25,000	0	25,000	26,046.52	.00	-1,046.52	104.2%*
1045921 PV01 6300 PAVING CONTRAC	30,000	0	30,000	.00	.00	30,000.00	.0%
1045921 PV01 6311 WHITEHALL ROAD	15,000	0	15,000	.00	.00	15,000.00	.0%
1045921 PV01 6314 HAYMARKET TREN	17,500	0	17,500	.00	.00	17,500.00	.0%
1045921 PV01 6317 UAJA CONDUIT T	25,000	0	25,000	.00	.00	25,000.00	.0%
1045921 PV02 6271 SHILOH BIKE PA	65,000	0	65,000	31,250.00	.00	33,750.00	48.1%
TOTAL CIP-COLLECTION MAINT I&I	2,070,500	0	2,070,500	762,219.24	.00	1,308,280.76	36.8%
1045922 CIP-COLLECTION-CONST. EQUIPM							
1045922 0021 6288 NEW COLLECTION	20,000	0	20,000	22,668.30	.00	-2,668.30	113.3%*
1045922 0021 6328 NEW UNIT 22	11,821	0	11,821	.00	.00	11,821.00	.0%
1045922 0021 6329 NEW T-TAG	20,860	0	20,860	.00	.00	20,860.00	.0%
1045922 0021 6330 NEW JET TRUCK	172,095	0	172,095	.00	.00	172,095.00	.0%
1045922 0021 6331 NEW STORAGE BU	155,000	0	155,000	.00	.00	155,000.00	.0%
TOTAL CIP-COLLECTION-CONST. EQUIPM	379,776	0	379,776	22,668.30	.00	357,107.70	6.0%
1045924 CIP-WWTP-PHYSICAL PLANT							
1045924 0024 6256 ENR/AWT PROJEC	0	0	0	212,366.80	.00	-212,366.80	100.0%*
1045924 0024 6260 SOLAR PROJECT	98,000	0	98,000	135,087.07	.00	-37,087.07	137.8%*
1045924 0024 6294 NEW TRUCK PLAN	15,300	0	15,300	17,272.26	.00	-1,972.26	112.9%*
1045924 0024 6304 AERATION SYSTE	725,000	0	725,000	637,812.56	.00	87,187.44	88.0%
1045924 0024 6320 5000 LB FORKLI	10,083	0	10,083	.00	.00	10,083.00	.0%

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

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1045950 0050 6047 COMPUTER SOFTW	100,000	0	100,000	.00	.00	100,000.00	.0%
TOTAL CIP-GENERAL & ADMINISTRATIVE	190,000	0	190,000	.00	.00	190,000.00	.0%
1050050 GENERAL & ADMINISTRATIVE							
1050050 5001 SUPERVISOR LABOR	256,417	0	256,417	203,556.01	.00	52,860.99	79.4%
1050050 5002 REGULAR LABOR	355,201	0	355,201	271,194.57	.00	84,006.43	76.3%
1050050 5006 VACATION	0	0	0	45,155.23	.00	-45,155.23	100.0%*
1050050 5007 SICK	0	0	0	8,677.44	.00	-8,677.44	100.0%*
1050050 5008 PERSONAL	0	0	0	7,081.19	.00	-7,081.19	100.0%*
1050050 5009 JURY/CIVIL/VOLUNTE	0	0	0	2,304.36	.00	-2,304.36	100.0%*
1050050 5010 HOLIDAY	0	0	0	19,217.24	.00	-19,217.24	100.0%*
1050050 5101 FICA EXPENSE	37,920	0	37,920	34,545.68	.00	3,374.32	91.1%
1050050 5102 MEDICARE EXPENSE	8,868	0	8,868	8,079.13	.00	788.87	91.1%
1050050 5201 UNEMPLOYMENT EXPEN	23,000	0	23,000	18,020.90	.00	4,979.10	78.4%
1050050 5202 GROUP HEALTH INSUR	154,661	0	154,661	136,097.50	.00	18,563.50	88.0%
1050050 5203 PENSION (401) UAJA	86,804	0	86,804	53,932.80	.00	32,871.20	62.1%
1050050 5205 COBRA EMPLOYEE INS	10,000	0	10,000	17,123.71	.00	-7,123.71	171.2%*
1050050 5207 GROUP LIFE INSURAN	80,400	0	80,400	87,946.38	.00	-7,546.38	109.4%*
1050050 5208 HEALTH DEDUCTIBLE	175,000	0	175,000	127,739.09	.00	47,260.91	73.0%
1050050 5301 OFFICE SUPPLIES	15,000	0	15,000	17,870.84	.00	-2,870.84	119.1%*
1050050 5302 POSTAGE/SHIPPING	30,000	0	30,000	29,446.32	.00	553.68	98.2%
1050050 5303 JANITORIAL SUPPLIE	7,000	0	7,000	5,679.01	.00	1,320.99	81.1%
1050050 5307 PETTY CASH EXPENDI	200	0	200	130.42	.00	69.58	65.2%
1050050 5401 ADVERTISING	3,000	0	3,000	2,199.45	.00	800.55	73.3%
1050050 5402 AUDIT	23,000	0	23,000	22,589.94	.00	410.06	98.2%
1050050 5403 6107 MAYLIE PROPERT	0	0	0	1,793.84	.00	-1,793.84	100.0%*
1050050 5405 ENGINEERING-RETAIN	20,000	0	20,000	16,368.51	.00	3,631.49	81.8%
1050050 5406 LEGAL	60,000	0	60,000	55,422.20	.00	4,577.80	92.4%
1050050 5408 INSURANCE - COMMER	280,000	0	280,000	310,671.00	.00	-30,671.00	111.0%*
1050050 5499 MISCELLANEOUS OUTS	15,000	0	15,000	22,559.85	.00	-7,559.85	150.4%*
1050050 5501 1054 O & M - COPIER	5,000	0	5,000	10,306.04	.00	-5,306.04	206.1%*
1050050 5601 COMMUNICATIONS	40,000	0	40,000	27,814.30	.00	12,185.70	69.5%
1050050 5701 TRAINING, SEMINARS	5,000	0	5,000	14,512.00	.00	-9,512.00	290.2%*
1050050 5702 MEMBERSHIPS, SUBSC	6,500	0	6,500	7,731.00	.00	-1,231.00	118.9%*
1050050 5703 UNIFORMS-BOOTS-GLO	18,000	0	18,000	16,110.39	.00	1,889.61	89.5%
1050050 5704 VACCINATIONS	1,500	0	1,500	.00	.00	1,500.00	.0%
1050050 5706 EMPLOYEE/EMPLOYER	2,500	0	2,500	4,670.60	.00	-2,170.60	186.8%*
1050050 5707 MEAL ALLOWANCE	500	0	500	143.79	.00	356.21	28.8%
1050050 5708 SAFETY EQUIPMENT	8,000	0	8,000	3,476.93	.00	4,523.07	43.5%
1050050 5709 SAFETY TRAINING	3,000	0	3,000	.00	.00	3,000.00	.0%

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1050050 5710 DRUG/ALCOHOL TESTI	500	0	500	754.00	.00	-254.00	150.8%*
1050050 6006 MISCELLANEOUS EXPE	1,000	0	1,000	60.00	.00	940.00	6.0%
1050050 6007 BANK FEES/CHARGES	0	0	0	12.00	.00	-12.00	100.0%*
1050050 6015 WATER-CTWA	6,000	0	6,000	6,436.00	.00	-436.00	107.3%*
1050050 6017 GARBAGE	10,000	0	10,000	4,023.70	.00	5,976.30	40.2%
1050050 6019 CNET	8,656	0	8,656	8,634.50	.00	21.50	99.8%
TOTAL GENERAL & ADMINISTRATIVE	1,757,627	0	1,757,627	1,630,087.86	.00	127,539.14	92.7%
1050053 G & A - INFORMATION TECHNOLOGY							
1050053 IT71 INTERNET SERVICE	5,000	0	5,000	3,700.12	.00	1,299.88	74.0%
1050053 IT72 HARDWARE-DATA PROC	18,365	0	18,365	16,679.54	.00	1,685.46	90.8%
1050053 IT73 SOFTWARE-DATA PROC	69,900	0	69,900	64,616.68	.00	5,283.32	92.4%
1050053 IT74 TRAINING-DATA PROC	1,000	0	1,000	150.00	.00	850.00	15.0%
TOTAL G & A - INFORMATION TECHNOLOGY	94,265	0	94,265	85,146.34	.00	9,118.66	90.3%
1050054 G & A - FLEET/FUEL							
1050054 5502 VEHICLE MAINTENANC	75,000	0	75,000	42,481.68	.00	32,518.32	56.6%
1050054 5603 1006 GASOLINE.	35,000	0	35,000	26,784.63	.00	8,215.37	76.5%
1050054 5603 1008 DIESEL FUEL	87,000	0	87,000	93,506.88	.00	-6,506.88	107.5%*
TOTAL G & A - FLEET/FUEL	197,000	0	197,000	162,773.19	.00	34,226.81	82.6%
1052052 DEBT SERVICE							
1052052 5801 INTEREST PAID-1993	2,678,441	0	2,678,441	1,224,910.96	.00	1,453,530.04	45.7%
1052052 5802 INTEREST PAID - EM	500	0	500	124.55	.00	375.45	24.9%
1052052 5804 BOND ISSUANCE COST	0	0	0	339,570.04	.00	-339,570.04	100.0%*
1052052 5901 PRINCIPAL PAID-199	3,865,000	0	3,865,000	360,000.00	.00	3,505,000.00	9.3%
1052052 5903 PRINCIPAL PAID-EMM	95,000	0	95,000	95,000.00	.00	.00	100.0%
1052052 6106 TRUSTEE FEES EMMAU	2,100	0	2,100	2,123.00	.00	-23.00	101.1%*
1052052 6120 TRUSTEE FEE 12	1,886	0	1,886	.00	.00	1,885.63	.0%
1052052 6122 2015 TRUSTEE FEES	1,886	0	1,886	1,650.00	.00	235.63	87.5%
1052052 6123 TRUSTEE FEE 2016	1,750	0	1,750	.00	.00	1,750.00	.0%
1052052 6124 TRUSTEE FEE 2017	1,750	0	1,750	1,650.00	.00	100.00	94.3%

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1052052 6125 TRUSTEE FESS 2017A	1,750	0	1,750	1,650.00	.00	100.00	94.3%
1052052 6126 TRUSTEE FEE 2017B	2,520	0	2,520	.00	.00	2,520.00	.0%
1052052 6127 TRUSTEE FEE 2018	1,650	0	1,650	1,650.00	.00	.00	100.0%
1052052 6128 TRUSTEE FEE 2020	1,650	0	1,650	1,650.00	.00	.00	100.0%
TOTAL DEBT SERVICE	6,655,882	0	6,655,882	2,029,978.55	.00	4,625,903.71	30.5%
1060019 WWTP - LABORATORY							
1060019 5001 SUPERVISOR LABOR	82,847	0	82,847	64,452.05	.00	18,394.53	77.8%
1060019 5002 REGULAR LABOR	140,638	0	140,638	104,103.54	.00	36,534.67	74.0%
1060019 5003 OVERTIME LABOR	500	0	500	401.17	.00	98.83	80.2%
1060019 5006 VACATION	0	0	0	6,715.66	.00	-6,715.66	100.0%*
1060019 5007 SICK	0	0	0	9,539.21	.00	-9,539.21	100.0%*
1060019 5008 PERSONAL DAY	0	0	0	1,092.61	.00	-1,092.61	100.0%*
1060019 5009 JURY/CIVIL/VOLUNTE	0	0	0	276.14	.00	-276.14	100.0%*
1060019 5010 HOLIDAY	0	0	0	5,157.08	.00	-5,157.08	100.0%*
1060019 5101 FICA EXPENSE	14,000	0	14,000	12,063.25	.00	1,936.75	86.2%
1060019 5102 MEDICARE EXPENSE	3,241	0	3,241	2,820.93	.00	420.07	87.0%
1060019 5202 GROUP HEALTH INSUR	41,270	0	41,270	37,484.91	.00	3,785.09	90.8%
1060019 5203 PENSION (401) UAJA	15,317	0	15,317	12,895.63	.00	2,421.37	84.2%
1060019 5305 SMALL EQUIPMT/TOOL	250	0	250	105.15	.00	144.85	42.1%
1060019 5306 LAB SUPPLIES	22,000	0	22,000	20,468.29	.00	1,531.71	93.0%
1060019 5501 EQUIPMENT MAINTENA	3,000	0	3,000	2,492.88	.00	507.12	83.1%
TOTAL WWTP - LABORATORY	323,063	0	323,063	280,068.50	.00	42,994.29	86.7%
1060022 TREATMENT PLANT MAINTENANCE							
1060022 5001 SUPERVISOR LABOR	37,815	0	37,815	27,513.85	.00	10,301.15	72.8%
1060022 5002 REGULAR LABOR	462,062	0	462,062	298,695.65	.00	163,366.35	64.6%
1060022 5003 OVERTIME LABOR	5,000	0	5,000	8,685.51	.00	-3,685.51	173.7%*
1060022 5006 VACATION	0	0	0	57,907.48	.00	-57,907.48	100.0%*
1060022 5007 SICK	0	0	0	32,628.25	.00	-32,628.25	100.0%*
1060022 5008 PERSONAL DAY	0	0	0	14,133.78	.00	-14,133.78	100.0%*
1060022 5009 JURY/CIVIL/VOLUNTE	0	0	0	256.18	.00	-256.18	100.0%*
1060022 5010 HOLIDAY	0	0	0	13,444.18	.00	-13,444.18	100.0%*
1060022 5101 FICA EXPENSE	31,000	0	31,000	26,084.03	.00	4,915.97	84.1%
1060022 5102 MEDICARE EXPENSE	7,250	0	7,250	6,100.23	.00	1,149.77	84.1%
1060022 5202 GROUP HEALTH INSUR	98,577	0	98,577	103,836.30	.00	-5,259.30	105.3%*

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1060022 5203 PENSION (401) UAJA	26,885	0	26,885	21,789.13	.00	5,095.87	81.0%
1060022 5304 OPERATIONAL SUPPLI	5,000	0	5,000	3,598.44	.00	1,401.56	72.0%
1060022 5305 SMALL EQUIPMT/TOOL	14,000	0	14,000	11,399.83	.00	2,600.17	81.4%
1060022 5501 EQUIPMENT MAINTENA	190,000	0	190,000	190,305.19	.00	-305.19	100.2%*
1060022 5501 6174 SCADIA MAINT	40,000	0	40,000	52,231.65	.00	-12,231.65	130.6%*
1060022 5501 6175 UV MAINT	55,000	0	55,000	20,645.14	.00	34,354.86	37.5%
1060022 5501 6283 SOLAR MAINTENA	21,000	0	21,000	45,022.25	.00	-24,022.25	214.4%*
1060022 5503 BUILDING & GROUND	52,000	0	52,000	31,468.32	.00	20,531.68	60.5%
1060022 5508 GRIT REMOVAL-PLANT	22,000	0	22,000	33,648.59	.00	-11,648.59	152.9%*
1060022 5603 FUEL, OIL, LUBRICA	18,000	0	18,000	19,909.66	.00	-1,909.66	110.6%*
1060022 7511 LANDSCAPE	35,000	0	35,000	28,959.79	.00	6,040.21	82.7%
TOTAL TREATMENT PLANT MAINTENANCE	1,120,589	0	1,120,589	1,048,263.43	.00	72,325.57	93.5%
1060023 MAIN STATION							
1060023 5002 B5001 REGULAR LABOR	0	0	0	17,160.15	.00	-17,160.15	100.0%*
1060023 5101 B5001 FICA EXPENSE	0	0	0	1,063.98	.00	-1,063.98	100.0%*
1060023 5102 B5001 MEDICARE EXPE	0	0	0	248.89	.00	-248.89	100.0%*
1060023 5202 B5001 GROUP HEALTH	0	0	0	2,935.11	.00	-2,935.11	100.0%*
1060023 5203 B5001 PENSION (401)	0	0	0	857.90	.00	-857.90	100.0%*
1060023 5505 B5001 PUMP STATION	50,000	0	50,000	2,600.29	.00	47,399.71	5.2%
1060023 5602 B5001 O&M MAIN STAT	39,000	0	39,000	27,903.71	.00	11,096.29	71.5%
TOTAL MAIN STATION	89,000	0	89,000	52,770.03	.00	36,229.97	59.3%
1060025 WWTP - IPP							
1060025 5001 SUPERVISOR LABOR	81,347	0	81,347	64,392.18	.00	16,954.82	79.2%
1060025 5006 VACATION	0	0	0	1,091.05	.00	-1,091.05	100.0%*
1060025 5007 SICK	0	0	0	199.02	.00	-199.02	100.0%*
1060025 5010 HOLIDAY	0	0	0	823.38	.00	-823.38	100.0%*
1060025 5101 FICA EXPENSE	5,044	0	5,044	4,123.45	.00	920.55	81.7%
1060025 5102 MEDICARE EXPENSE	1,180	0	1,180	964.48	.00	215.52	81.7%
1060025 5202 GROUP HEALTH INSUR	17,162	0	17,162	14,919.05	.00	2,242.95	86.9%
1060025 5203 PENSION (401) UAJA	8,135	0	8,135	6,650.50	.00	1,484.50	81.8%
1060025 5304 OPERATION SUPPLIES	0	0	0	11.98	.00	-11.98	100.0%*
1060025 5305 SMALL EQUIPMT/TOOL	150	0	150	89.69	.00	60.31	59.8%
1060025 5410 ANALYSIS	3,500	0	3,500	1,950.00	.00	1,550.00	55.7%
1060025 5501 EQUIPMENT MAINTENA	500	0	500	.00	.00	500.00	.0%

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TOTAL WWTP - IPP		117,018	0	117,018	95,214.78	.00	21,803.22	81.4%
1060028 WWTP - BENEFICIAL REUSE								
1060028	5001 SUPERVISOR LABOR	37,815	0	37,815	27,513.85	.00	10,301.15	72.8%
1060028	5006 VACATION	0	0	0	1,091.05	.00	-1,091.05	100.0%*
1060028	5007 SICK	0	0	0	199.02	.00	-199.02	100.0%*
1060028	5010 HOLIDAY	0	0	0	823.38	.00	-823.38	100.0%*
1060028	5101 FICA EXPENSE	2,345	0	2,345	1,836.96	.00	508.04	78.3%
1060028	5102 MEDICARE EXPENSE	548	0	548	429.68	.00	118.32	78.4%
1060028	5202 GROUP HEALTH INSUR	7,918	0	7,918	6,571.08	.00	1,346.92	83.0%
1060028	5203 PENSION (401) UAJA	3,782	0	3,782	2,962.65	.00	819.35	78.3%
1060028	5304 OPERATIONAL SUPPLI	15,000	0	15,000	4,749.71	.00	10,250.29	31.7%
1060028	5304 1065 OPERATIONAL SU	375,000	0	375,000	438,291.23	.00	-63,291.23	116.9%*
1060028	5305 SMALL EQUIPMT/TOOL	1,000	0	1,000	1,184.89	.00	-184.89	118.5%*
1060028	5410 LAB ANALYSIS	15,000	0	15,000	19,150.00	.00	-4,150.00	127.7%*
1060028	5501 EQUIPMENT MAINTENA	125,000	0	125,000	108,282.00	.00	16,718.00	86.6%
1060028	5602 1064 POWER	200,000	0	200,000	166,047.41	.00	33,952.59	83.0%
1060028	5605 CTWA REIMBURSE	65,000	0	65,000	55,479.44	.00	9,520.56	85.4%
TOTAL WWTP - BENEFICIAL REUSE		848,408	0	848,408	834,612.35	.00	13,795.65	98.4%
1060029 WWTP - DEWATERING								
1060029	5001 SUPERVISOR LABOR	37,815	0	37,815	27,509.70	.00	10,305.30	72.7%
1060029	5002 REGULAR LABOR	134,339	0	134,339	97,014.30	.00	37,324.70	72.2%
1060029	5003 OVERTIME LABOR	2,000	0	2,000	3,625.52	.00	-1,625.52	181.3%*
1060029	5004 SHIFT LABOR	0	0	0	8.88	.00	-8.88	100.0%*
1060029	5006 VACATION	0	0	0	9,983.82	.00	-9,983.82	100.0%*
1060029	5007 SICK	0	0	0	5,910.98	.00	-5,910.98	100.0%*
1060029	5008 PERSONAL	0	0	0	1,301.54	.00	-1,301.54	100.0%*
1060029	5009 JURY/CIVIL/VOLUNTE	0	0	0	510.94	.00	-510.94	100.0%*
1060029	5010 HOLIDAY	0	0	0	3,910.35	.00	-3,910.35	100.0%*
1060029	5101 FICA EXPENSE	10,674	0	10,674	9,504.84	.00	1,169.16	89.0%
1060029	5102 MEDICARE EXPENSE	2,496	0	2,496	2,222.92	.00	273.08	89.1%
1060029	5202 GROUP HEALTH INSUR	24,956	0	24,956	34,634.27	.00	-9,678.27	138.8%*
1060029	5203 PENSION (401) UAJA	10,498	0	10,498	8,886.86	.00	1,611.14	84.7%
1060029	5304 OPERATIONAL SUPPLI	500	0	500	139.49	.00	360.51	27.9%
1060029	5304 1036 POLYMER	55,000	0	55,000	39,420.00	.00	15,580.00	71.7%

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1060029 5501 EQUIPMENT MAINTENA	125,000	0	125,000	9,403.21	.00	115,596.79	7.5%
1060029 5602 1042 POWER-DEWATERI	73,000	0	73,000	75,476.10	.00	-2,476.10	103.4%*
TOTAL WWTP - DEWATERING	476,278	0	476,278	329,463.72	.00	146,814.28	69.2%
1060030 WWTP - COMPOST							
1060030 5001 SUPERVISOR LABOR	37,815	0	37,815	27,509.70	.00	10,305.30	72.7%
1060030 5002 REGULAR LABOR	258,231	0	258,231	196,384.47	.00	61,846.53	76.0%
1060030 5003 OVERTIME LABOR	10,000	0	10,000	22,807.03	.00	-12,807.03	228.1%*
1060030 5006 VACATION	0	0	0	20,241.82	.00	-20,241.82	100.0%*
1060030 5007 SICK	0	0	0	3,507.15	.00	-3,507.15	100.0%*
1060030 5008 PERSONAL	0	0	0	1,996.21	.00	-1,996.21	100.0%*
1060030 5010 HOLIDAY	0	0	0	8,356.06	.00	-8,356.06	100.0%*
1060030 5101 FICA EXPENSE	18,355	0	18,355	17,792.63	.00	562.37	96.9%
1060030 5102 MEDICARE EXPENSE	4,293	0	4,293	4,161.19	.00	131.81	96.9%
1060030 5202 GROUP HEALTH INSUR	82,230	0	82,230	42,958.49	.00	39,271.51	52.2%
1060030 5203 PENSION (401) UAJA	16,693	0	16,693	14,221.95	.00	2,471.05	85.2%
1060030 5304 OPERATIONAL SUPPLI	2,000	0	2,000	343.55	.00	1,656.45	17.2%
1060030 5304 1038 COMPOST AMEND	120,000	0	120,000	78,685.00	.00	41,315.00	65.6%
1060030 5305 SMALL EQUIPMT/TOOL	2,500	0	2,500	500.97	.00	1,999.03	20.0%
1060030 5409 LICENSE & FEES	5,500	0	5,500	6,217.62	.00	-717.62	113.0%*
1060030 5410 LAB ANALYSIS	11,500	0	11,500	7,287.00	.00	4,213.00	63.4%
1060030 5413 MARKETING	500	0	500	.00	.00	500.00	.0%
1060030 5415 VECTOR CONTROL	4,887	0	4,887	4,886.50	.00	.50	100.0%
1060030 5501 EQUIPMENT MAINTENA	50,000	0	50,000	31,558.01	.00	18,441.99	63.1%
1060030 5506 1032 SKID STEER 184	5,000	0	5,000	2,529.28	.00	2,470.72	50.6%
1060030 5506 1033 FRONT END LOAD	10,000	0	10,000	6,002.69	.00	3,997.31	60.0%
1060030 5506 1055 STREET SWEEPER	4,000	0	4,000	4,301.78	.00	-301.78	107.5%*
1060030 5506 1062 CAT SKID STEER	7,500	0	7,500	13,950.46	.00	-6,450.46	186.0%*
1060030 5506 1071 LOADER MAINT 6	10,000	0	10,000	5,425.54	.00	4,574.46	54.3%
1060030 5506 1072 TROMMEL	5,000	0	5,000	7,867.33	.00	-2,867.33	157.3%*
1060030 5602 1041 POWER-COMPOST	131,000	0	131,000	135,856.95	.00	-4,856.95	103.7%*
1060030 5603 1007 NATURAL GAS -	120,000	0	120,000	145,947.45	.00	-25,947.45	121.6%*
TOTAL WWTP - COMPOST	917,004	0	917,004	811,296.83	.00	105,707.17	88.5%
1060032 TREATMENT PLANT OPERATION							
1060032 5001 SUPERVISOR LABOR	37,815	0	37,815	27,509.70	.00	10,305.30	72.7%

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ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1060032 5002 REGULAR LABOR	623,915	0	623,915	479,387.06	.00	144,527.94	76.8%
1060032 5003 OVERTIME LABOR	60,000	0	60,000	53,072.39	.00	6,927.61	88.5%
1060032 5004 SHIFT LABOR	12,000	0	12,000	9,991.49	.00	2,008.51	83.3%
1060032 5006 VACATION	0	0	0	28,282.95	.00	-28,282.95	100.0%*
1060032 5007 SICK	0	0	0	20,924.30	.00	-20,924.30	100.0%*
1060032 5008 PERSONAL DAY	0	0	0	7,343.96	.00	-7,343.96	100.0%*
1060032 5009 JURY/CIVIL/VOLUNTE	0	0	0	480.49	.00	-480.49	100.0%*
1060032 5010 HOLIDAY	0	0	0	18,515.31	.00	-18,515.31	100.0%*
1060032 5101 FICA EXPENSE	41,027	0	41,027	40,309.13	.00	717.87	98.3%
1060032 5102 MEDICARE EXPENSE	9,595	0	9,595	9,427.11	.00	167.89	98.3%
1060032 5202 GROUP HEALTH INSUR	174,552	0	174,552	186,289.97	.00	-11,737.97	106.7%*
1060032 5203 PENSION (401) UAJA	34,977	0	34,977	26,370.14	.00	8,606.86	75.4%
1060032 5304 OPERATION SUPPLIES	500	0	500	313.13	.00	186.87	62.6%
1060032 5304 1034 ALUM	200,000	0	200,000	184,711.01	.00	15,288.99	92.4%
1060032 5304 1070 CARBON SUPPLEM	225,000	0	225,000	231,797.58	.00	-6,797.58	103.0%*
1060032 5405 1053 STREAM MONITOR	14,250	0	14,250	14,250.00	.00	.00	100.0%
1060032 5409 LICENSE & FEES	9,000	0	9,000	6,102.04	.00	2,897.96	67.8%
1060032 5410 ANALYSIS	10,000	0	10,000	28,347.66	.00	-18,347.66	283.5%*
1060032 5499 MISCELLANEOUS OUTS	40,000	0	40,000	35,558.25	.00	4,441.75	88.9%
1060032 5602 1043 POWER-PLANT	404,000	0	404,000	494,503.20	.00	-90,503.20	122.4%*
TOTAL TREATMENT PLANT OPERATION	1,896,631	0	1,896,631	1,903,486.87	.00	-6,855.87	100.4%
1070021 COLLECTION-MAINTENANCE							
1070021 5001 SUPERVISOR LABOR	133,058	0	133,058	104,473.06	.00	28,584.94	78.5%
1070021 5002 REGULAR LABOR	1,008,605	0	1,008,605	260,711.49	.00	747,893.51	25.8%
1070021 5002 6172 REGULAR LABOR	0	0	0	72,351.64	.00	-72,351.64	100.0%*
1070021 5002 6262 WATERLINE PH 2	0	0	0	79,710.01	.00	-79,710.01	100.0%*
1070021 5002 6271 REGULAR LABOR	0	0	0	134,055.96	.00	-134,055.96	100.0%*
1070021 5002 6272 REGULAR LABOR	0	0	0	13,022.39	.00	-13,022.39	100.0%*
1070021 5002 6285 REGULAR LABOR	0	0	0	20,193.54	.00	-20,193.54	100.0%*
1070021 5002 6300 REGULAR LABOR	0	0	0	101,959.51	.00	-101,959.51	100.0%*
1070021 5002 6315 REGULAR LABOR	0	0	0	24,127.50	.00	-24,127.50	100.0%*
1070021 5002 B5001 REGULAR LABOR	0	0	0	64.05	.00	-64.05	100.0%*
1070021 5002 B5002 REGULAR LABOR	0	0	0	7,350.57	.00	-7,350.57	100.0%*
1070021 5002 B5003 REGULAR LABOR	0	0	0	7,371.54	.00	-7,371.54	100.0%*
1070021 5002 B5004 REGULAR LABOR	0	0	0	6,777.75	.00	-6,777.75	100.0%*
1070021 5002 B5472 REGULAR LABOR	0	0	0	1,001.39	.00	-1,001.39	100.0%*
1070021 5003 OVERTIME LABOR	15,000	0	15,000	18,796.91	.00	-3,796.91	125.3%*
1070021 5006 VACATION	0	0	0	53,973.01	.00	-53,973.01	100.0%*
1070021 5007 SICK	0	0	0	36,784.66	.00	-36,784.66	100.0%*

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ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1070021 5008 PERSONAL	0	0	0	9,111.26	.00	-9,111.26	100.0%*
1070021 5009 JURY/CIVIL/VOLUNTE	0	0	0	1,339.48	.00	-1,339.48	100.0%*
1070021 5010 HOLIDAY	0	0	0	38,301.52	.00	-38,301.52	100.0%*
1070021 5101 FICA EXPENSE	70,803	0	70,803	57,455.86	.00	13,347.14	81.1%
1070021 5101 6172 FICA EXPENSE	0	0	0	4,485.77	.00	-4,485.77	100.0%*
1070021 5101 B5001 FICA-O & M MA	0	0	0	3.97	.00	-3.97	100.0%*
1070021 5102 MEDICARE EXPENSE	16,554	0	16,554	13,437.12	.00	3,116.88	81.2%
1070021 5102 6172 MEDICARE EXPEN	0	0	0	1,049.37	.00	-1,049.37	100.0%*
1070021 5102 B5001 MEDICARE-O &	0	0	0	.93	.00	-.93	100.0%*
1070021 5202 GROUP HEALTH INSUR	332,465	0	332,465	297,785.43	.00	34,679.57	89.6%
1070021 5202 6172 GROUP HEALTH I	0	0	0	26,996.14	.00	-26,996.14	100.0%*
1070021 5202 B5001 GRP HEALTH IN	0	0	0	20.92	.00	-20.92	100.0%*
1070021 5203 PENSION (401) UAJA	63,736	0	63,736	47,673.68	.00	16,062.32	74.8%
1070021 5203 6172 PENSION (401)	0	0	0	3,165.03	.00	-3,165.03	100.0%*
1070021 5203 B5001 PENSION-O&M M	0	0	0	3.20	.00	-3.20	100.0%*
1070021 5305 SMALL EQUIPMT/TOOL	13,000	0	13,000	13,129.15	.00	-129.15	101.0%*
1070021 5504 SEWER LINE MAINTEN	90,000	0	90,000	102,209.80	.00	-12,209.80	113.6%*
1070021 ER01 RENTAL OF EQUIPMEN	1,000	0	1,000	.00	.00	1,000.00	.0%
1070021 ER14 RENTAL LOWBOY	3,500	0	3,500	5,027.80	.00	-1,527.80	143.7%*
1070021 PV01 TRENCH PAVING-CONT	10,000	0	10,000	5,162.98	.00	4,837.02	51.6%
TOTAL COLLECTION-MAINTENANCE	1,757,721	0	1,757,721	1,569,084.39	.00	188,636.61	89.3%
1070022 CONSTRUCT EQUIP MAINTENANCE							
1070022 5501 SMALL EQUIPMENT MA	5,000	0	5,000	6,458.27	.00	-1,458.27	129.2%*
1070022 5506 LG. CONSTRC. EQUIP	60,000	0	60,000	60,745.69	.00	-745.69	101.2%*
TOTAL CONSTRUCT EQUIP MAINTENANCE	65,000	0	65,000	67,203.96	.00	-2,203.96	103.4%
1070034 COLLECTION-INSPECTION							
1070034 5001 SUPERVISOR LABOR	133,058	0	133,058	104,473.39	.00	28,584.61	78.5%
1070034 5002 REGULAR LABOR	208,723	0	208,723	144,412.09	.00	64,310.91	69.2%
1070034 5002 B5026 GRAYSWOODS	0	0	0	2,728.90	.00	-2,728.90	100.0%*
1070034 5002 B5342 REGULAR LABOR	0	0	0	706.43	.00	-706.43	100.0%*
1070034 5002 B5387 CANTERBURY CR	0	0	0	596.29	.00	-596.29	100.0%*
1070034 5002 B5466 HARNER FARM S	0	0	0	2,600.35	.00	-2,600.35	100.0%*
1070034 5002 B5468 REGULAR LABOR	0	0	0	2,398.83	.00	-2,398.83	100.0%*
1070034 5002 B5474 REGULAR LABOR	0	0	0	889.31	.00	-889.31	100.0%*

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ACCOUNTS FOR: 10 OPERATING FUND	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1070034 5003 OVERTIME LABOR	11,000	0	11,000	8,553.55	.00	2,446.45	77.8%
1070034 5006 VACATION	0	0	0	10,381.22	.00	-10,381.22	100.0%*
1070034 5007 SICK	0	0	0	13,617.83	.00	-13,617.83	100.0%*
1070034 5008 PERSONAL	0	0	0	2,291.97	.00	-2,291.97	100.0%*
1070034 5009 JURY/CIVIL/VOLUNTE	0	0	0	883.76	.00	-883.76	100.0%*
1070034 5010 HOLIDAY	0	0	0	7,720.29	.00	-7,720.29	100.0%*
1070034 5101 FICA EXPENSE	21,190	0	21,190	18,932.42	.00	2,257.58	89.3%
1070034 5102 MEDICARE EXPENSE	4,956	0	4,956	4,427.89	.00	528.11	89.3%
1070034 5202 GROUP HEALTH INSUR	45,470	0	45,470	44,713.18	.00	756.82	98.3%
1070034 5203 PENSION (401) UAJA	23,742	0	23,742	20,103.94	.00	3,638.06	84.7%
1070034 5304 OPERATIONAL SUPPLI	1,600	0	1,600	2,335.67	.00	-735.67	146.0%*
1070034 5305 SMALL EQUIPMT/TOOL	500	0	500	30.20	.00	469.80	6.0%
1070034 5507 SEWER LINE INSPEC/	0	0	0	3,766.16	.00	-3,766.16	100.0%*
1070034 5507 B5026 GRAYSWOODS	0	0	0	2,631.50	.00	-2,631.50	100.0%*
1070034 5507 B5342 HAWK RIDGE	0	0	0	1,905.00	.00	-1,905.00	100.0%*
1070034 5507 B5353 INSPECTION EN	0	0	0	905.55	.00	-905.55	100.0%*
1070034 5507 B5387 CANTERBURY CR	0	0	0	1,661.14	.00	-1,661.14	100.0%*
1070034 5507 B5457 GRACE HILLS C	0	0	0	561.00	.00	-561.00	100.0%*
1070034 5507 B5466 INSPECTION EN	0	0	0	3,112.50	.00	-3,112.50	100.0%*
1070034 5507 B5468 INSPECTION EN	0	0	0	783.06	.00	-783.06	100.0%*
1070034 5507 B5473 INSPECTION EN	0	0	0	1,764.78	.00	-1,764.78	100.0%*
1070034 5507 B5474 INSPECTION EN	0	0	0	1,640.56	.00	-1,640.56	100.0%*
1070034 5507 B5475 INSPECTION EN	0	0	0	1,040.00	.00	-1,040.00	100.0%*
TOTAL COLLECTION-INSPECTION	450,239	0	450,239	412,568.76	.00	37,670.24	91.6%
1070036 COLLECTION-PUMP STATION							
1070036 5305 SMALL EQUIPMT/TOOL	1,000	0	1,000	1,392.40	.00	-392.40	139.2%*
1070036 5501 EQUIPMENT MAINTENA	22,000	0	22,000	8,023.11	.00	13,976.89	36.5%
1070036 5505 O & M PUMP STATION	70,000	0	70,000	44,186.90	.00	25,813.10	63.1%
1070036 5505 B5002 O & M CLASTER	200	0	200	137.84	.00	62.16	68.9%
1070036 5505 B5003 O & M NORTH M	200	0	200	.00	.00	200.00	.0%
1070036 5505 B5004 O & M SOUTH M	200	0	200	137.84	.00	62.16	68.9%
1070036 5602 POWER	62,000	0	62,000	45,617.34	.00	16,382.66	73.6%
1070036 5602 B5002 POWER-CLASTER	500	0	500	86.41	.00	413.59	17.3%
1070036 5602 B5004 POWER-SOUTH M	500	0	500	319.64	.00	180.36	63.9%
1070036 5603 PUMP STATION PROP	1,000	0	1,000	1,008.08	.00	-8.08	100.8%*
TOTAL COLLECTION-PUMP STATION	157,600	0	157,600	100,909.56	.00	56,690.44	64.0%
TOTAL OPERATING FUND	20,087,346	0	20,087,346	2,672,731.48	.00	17,414,614.89	13.3%
TOTAL REVENUES	-16,652,265	0	-16,652,265	-12,730,449.90	.00	-3,921,814.78	
TOTAL EXPENSES	36,739,611	0	36,739,611	15,403,181.38	.00	21,336,429.67	



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

Cash Accounts

General Checking	\$368,316.06
Payroll Checking	\$6,253.29
PLIGIT Checking	\$1,521.36
Petty Cash	\$87.12

Revenue Fund Accounts

Revenue Sweep	\$119,606.33
Revenue Trustee	\$3,149,506.03

Savings Accounts

PLIGIT Plus	\$8,487.28
93 BRIF	\$2,556,623.03
Emmaus BRIF	\$217,100.81

TOTAL LIQUID ASSETS

\$6,427,501.31

Dedicated Accounts

2015 DSF	\$238.30
2016 DSF	\$0.00
2017 DSF	\$162.39
2017A DSF	\$158.58
2017 B & C DSF	\$782.88
2018 DSF	\$304.61
2020 DSF	\$6,527.48
2020A DSF	\$1.51
2021 DSF	\$1.21
2021A DSF	\$1,015.01
2020A Construction Fund	\$8,138,559.32
2021 Construction Fund	\$8,818,913.15
2020A Capitalized Interest Fund	\$258,790.11
2021 Capitalized Interest Fund	\$320,089.99

TOTAL DEDICATED ASSETS

\$17,545,544.54

Restricted Accounts

93 Oper. Expense Reserve	\$308,088.38
93 Debt Service Reserve	\$6,675,353.25

\$6,983,441.63

Receivables Outstanding (3rd quarter 2021)

UAJA Sewer	\$315,303.02
UAJA Surcharge	\$13,468.00
Borough Sewer	\$908,050.71
PGM Sewer	\$12,748.07
PSU Sewer	\$0.00

TOTAL OUTSTANDING

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COMPOST & SEPTAGE OPERATIONS REPORT

December, 2021

COMPOST PRODUCTION AND DISTRIBUTION

	<u>Jun. 2021</u>	<u>Jul. 2021</u>	<u>Aug. 2021</u>	<u>Sep. 2021</u>	<u>Oct. 2021</u>	<u>Nov. 2021</u>
Production	878 cu/yds.	913 cu/yds.	866 cu/yds.	890 cu/yds.	990 cu/yds.	701 cu/yds.
YTD. Production	4,859 cu/yds.	5,772 cu/yds.	6,662 cu/yds.	7,652 cu/yds.	8,506 cu/yds.	9,207 cu/yds.
Distribution	1,442 cu/yds.	731 cu/yds.	969 cu/yds.	911 cu/yds.	803 cu/yds.	1,015cu/yds.
YTD. Distribution	5,646 cu/yds.	6,377 cu/yds.	7,346 cu/yds.	8,257 cu/yds.	9,060 cu/yds.	10,075cu/yds.
Immediate Sale	867 cu/yds.	1,014 cu/yds.	3,850 cu/yds.	958 cu/yds.	937 cu/yds.	963 cu/yds.
Currently in Storage	1,745 cu/yds.	1,927 cu/yds.	1,848 cu/yds.	1,927 cu/yds.	1,978 cu/yds.	1,664 cu/yds.

SEPTAGE OPERATIONS

	<u>Jun. 2021</u>	<u>Jul. 2021</u>	<u>Aug. 2021</u>	<u>Sep. 2021</u>	<u>Oct. 2021</u>	<u>Nov. 2021</u>
Res./Comm.	68,700 gals.	40,000 gals.	68,150 gals.	89,675 gals.	62,100 gals.	56,850 gals.
CH/Potter	1,517.88 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids	0.00 lbs/solids
Port Matilda	1,200.96 lbs/solids	1,951.56 lbs/solids	1,234.32 lbs/solids	1,084.20 lbs/solids	1,100.88 lbs/solids	1,017.48 lbs/solids
Huston Twp.	500.40 lbs/solids	467.04 lbs/solids	650.52 lbs/solids	583.80 lbs/solids	517.08 lbs/solids	533.76 lbs/solids
Total Flow	105,500gals.	66,000 gals.	90,150gals.	111,675 gals.	84,100 gals.	76,850 gals.



SUPERINTENDENT'S REPORT

December 10, 2021

Arthur G. Brant

PLANT OPERATION

The treatment plant is operating well with no exceptions. The 12-month rolling average flow for November was 3.64mgd with the average for the month being 3.51mgd. The average monthly **influent** flow was 5.74mgd.

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

Below is the chart for Reuse Distribution and Temperature Data:

	Nov-21	YTD	Plant Effl. Temp	Wetland Effl. Temp.
Best Western	33,000	309,000		
Centre Hills	1,534,000	30,892,000	Nov-21	Nov-21
Cintas	507,000	5,395,000	62.5	61.3
Red Line	344,000	4,979,000		
Uaja Wetland	5,679,000	53,849,000		
GDK Vault	34,658,000	338,613,000		
Elks	0	6,911,000		
Kissingers	1,191,000	20,074,000		
Stewarts/M.C.	1,000	44,310		
TOTAL	43,947,000	461,066,310		

PLANT MAINTENANCE

- Replaced heat pump for file room.
- Replaced belts and pulleys on the AWT exhaust fans.
- Rebuilt AWT CL2 Pump #1, replaced CL2 Pump #2 and replaced pressure relief valve.
- Air-Tech replaced the variable speed drives on both Primary Air Compressors.
- Replaced motor bearings in MAU-1306 and the burner control in MAU-1304.
- Replaced diaphragms in Primary Pumps #2 and #10.
- Replaced TOC transfer pump.
- Replaced the Alum pumps and connected the controls to have the ability to flow pace.
- Replaced a hydraulic hose on Composter #2 and one on the Street Sweeper.
- Replaced the battery in the T-Tag.
- The HVAC unit at Septage has failed and will be replaced as it becomes available.



UNIVERSITY AREA JOINT AUTHORITY

1576 Spring Valley Road
State College, PA 16801

COLLECTION SYSTEM SUPERINTENDENT'S REPORT

Activities for the month of November 2021

Mark Harter, Superintendent

MAINLINE MAINTENANCE:

Scott Road force main project – Installed 1082 ft of 10" force main.

Whitehall Road low pressure system – Installed 942 ft of force main. This project is now complete.

Main Line Televising – 438 ft televised - 3 manholes inspected.

LIFT STATION MAINTENANCE

Cleaned (2) lift station wet wells.

Replaced (3) E-One pumps in Huntridge Development.

Replaced UPS at the Ghaner station.

Replaced starter capacitor at St. Ives station.

Routine Maintenance.

NEXT MONTH PROJECTS:

Continue Scott Road upgrade project.

Mainline flushing and televising.

Wet well cleaning.

Equipment maintenance.

INSPECTION:

Final As-Built Approved: None

Mainline Construction:

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

New Connections:

a.	Single-Family Residential	2	c.	Commercial	1
b.	Multi-Family Residential	0	d.	Non-Residential	0

TOTAL 3

PA One-Calls Responded to 11/1-30/21: 236

ENGINEER'S REPORT

University Area Joint Authority

December 15, 2021

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

Odor Control System Upgrades (R001178.0597)

- An inventory of air emission sources for the entire facility has been compiled as required by DEP. Estimated emissions have calculated and will be submitted to the PA DEP.

Proposed Air Quality Emissions Inventory and Operation Permit Schedule

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

Based on DEP's input and timeline for review.

Shiloh Road Pump Station Upgrades (R001178.0632)

- Record Drawings were finalized and submitted.

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

- Record Drawings were finalized and submitted.

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

- The special study was discussed at the December 2nd Public Services and Environmental/Transportation and Land Use Joint Committee meeting. The Committee recommended that the study be referred back to the UAJA to revise the study so that it does not include consideration of any equivalent dwelling units from Halfmoon Township. An additional alternative is being incorporated into the study that does not consider future capacity beyond build-out within the current sewer service area.
- A field visit was conducted on November 17th to review the project area with the Pennsylvania Fish and Boat Commission (PFBC), pursuant to Spadefoot Toad habitat. The PFBC issued conservation measures restricting work periods (construction to occur between November 1 through March 31) and/or requiring a qualified herpetologist to clear the work area in advance of construction.

Proposed Meeks Lane Pump Station Project Implementation Schedule

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

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

**Minimum construction period required for UAJA Construction Crew

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

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

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

- Progress Meeting No. 2 was held on December 1, 2021. Meeting minutes are being distributed.
- The review of submittals is ongoing.
- At the progress meeting, both Contractors stated concerns regarding delivery times for materials and equipment. The General Contractor is nearly complete with the force main portion of the work.
- HRG is providing construction stake-out of the force main as requested by the UAJA Construction Crew.
- Contract 21-03 (John Nastase Construction) has submitted Application for Payment No. 1 in the amount of \$101,700.00. Payment is recommended based on the work complete and the contract requirements.
- Contract 21-04 (Westmoreland Electric Services, LLC) has submitted Application for Payment No. 1 in the amount of \$22,682.25. Payment is recommended based on the work complete and the contract requirements.
- Contract 21-04 submitted a no cost, time extension change order request. Additional details have been requested since the request did not clearly identify the amount of time requested. The request specifically references the global shortage on electrical components for the emergency generator.

Scott Road Pump Station Project Milestone Dates

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

Fiber Optic Conduit – (R001178.0687)

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

Entry Road Storm Water Improvements – (R001178.0688)

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

Entry Road Project Implementation Schedule

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

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

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

- Record Drawings will be prepared when field data is provided by the Authority.

Princeton Drive Sanitary Sewer Replacement – (R001178.0699)

- A field meeting was conducted on December 2nd to review the proposed alignment and assess tree impacts. It was requested by Ferguson Township that an additional manhole be added to move the alignment further away from some critical trees. A new plan and profile is being developed.

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

- HRG is available to present the rate study or assist in any discussions going forward.

Developer Plan Reviews:

- There are no Developer plans under review.

Respectfully Submitted,

HERBERT, ROWLAND & GRUBIC, INC.



Benjamin R. Burns, P.E.

Team Leader | Water & Wastewater

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University Area Joint Authority Summation of Project Activities

December 2021

ENR/AWT Upgrade Project (094612009)

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

Aeration Line Improvements (094612035)

- G.M. McCrossin (2020-08) has submitted Application for Payment No. 04-Final in the amount of \$26,953.70 for release of retainage. We are recommending payment to complete the closeout of this contract.

Payment Requests To Date						
Contract Number	Application for Payment #	Current Payment Due	Contract Price To Date incld/CO	Total Work To Date	% Monetarily Complete	Balance of Contract Amount
2020-08	4-Final	\$26,953.70	\$539,073.95	\$539,073.95	100.00%	\$0.00
2020-09			\$108,302.06	\$108,302.06	100.00%	\$0.00
		\$26,953.70	\$647,376.01	\$647,376.01	100.00%	\$0.00

WWTP NPDES Permit – Phosphorus Study (094612027)

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

Ozone Disinfection for Effluent (094612023)

- Executed Contract Documents have been received for all three Contracts as follows:
 - Contract No. 2021-05: General Construction PSI Pumping Solutions \$5,448,000.00
 - Contract No. 2021-06: Electrical Construction PSI Pumping Solutions \$350,000.00
 - Contract No. 2021-07: Mechanical Construction McClure Company \$223,000.00
- We anticipate notice to proceed will be issued within the next three weeks.

Anaerobic Digestion Project (094612026)

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

High Voltage Switchgear Replacement (094612045)

- Change Order No. 2-Final has been prepared to add additional pavement restoration around the plant site to this Contract as well as a small retaining wall below the new switchgear to accommodate a change in grade required for the new gear. RETTEW recommends an increase of \$12,638.81 in the total contract amount.
- Thoroughbred has submitted Application for Payment No. 07 and we are recommending payment in the amount of \$30,552.81. The remaining punchlist items, which consist of Record Drawings and Operation and Maintenance Manuals, should be complete prior to the end of the year.

Payment Requests To Date						
Contract Number	Application for Payment #	Current Payment Due	Contract Price To Date incld/CO	Total Work To Date	% Monetarily Complete	Balance of Contract Amount
2020-11	7	\$30,552.81	\$1,134,075.02	\$1,133,325.02	99.93%	\$5,850.00
		\$30,552.81	\$1,134,075.02	\$1,133,325.02	99.93%	\$5,850.00

Modifications to GD Kissinger Meadow Stream Augmentation

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

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November 9, 2021

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

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

Dear Mr. Reese:

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

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

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

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



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

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

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

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

Sincerely,

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

Jason D. Wert, PE, BCEE
National Market Leader

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

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August 16, 2021

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

Attention: Jason Wert, PE, BCEE

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

Dear Mr. Wert:

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

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

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

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

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

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

Any questions, please give me a call at 814.574.7347.

Sincerely,
HRI, Inc.



Curtis A. Reese
Sr. Project Manager

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

April 13, 2021

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

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

Dear Mr. Reese:

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

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

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

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



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

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

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

Sincerely,



Jason D. Wert, PE, BCEE
National Market Leader

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

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Midwestern Fabricators

July 26, 2021

Attn: Curt Reese ~ UAJA Troughs

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

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

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

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

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

Best regards,
Shaun Crossley

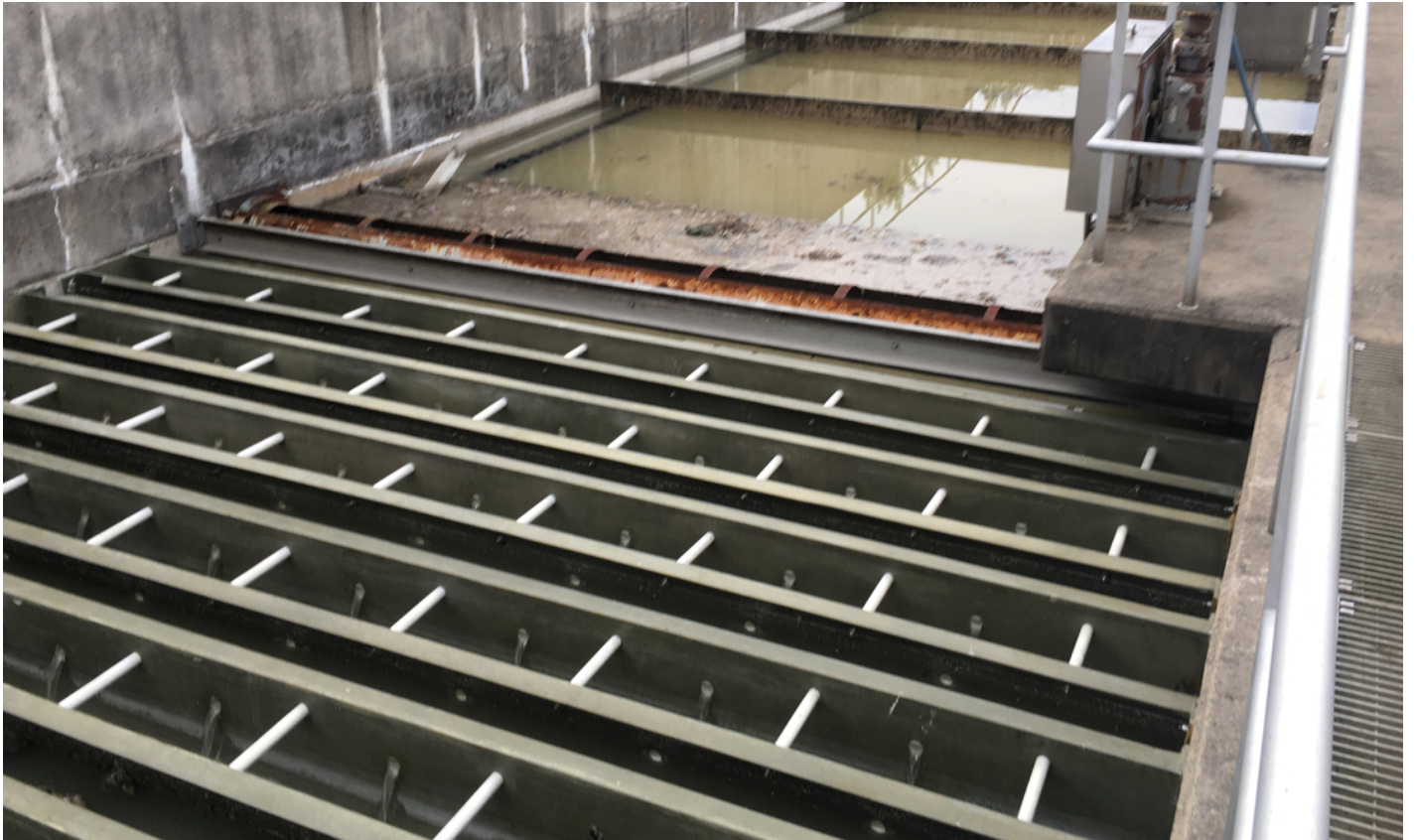
MIDWESTERN FABRICATORS

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

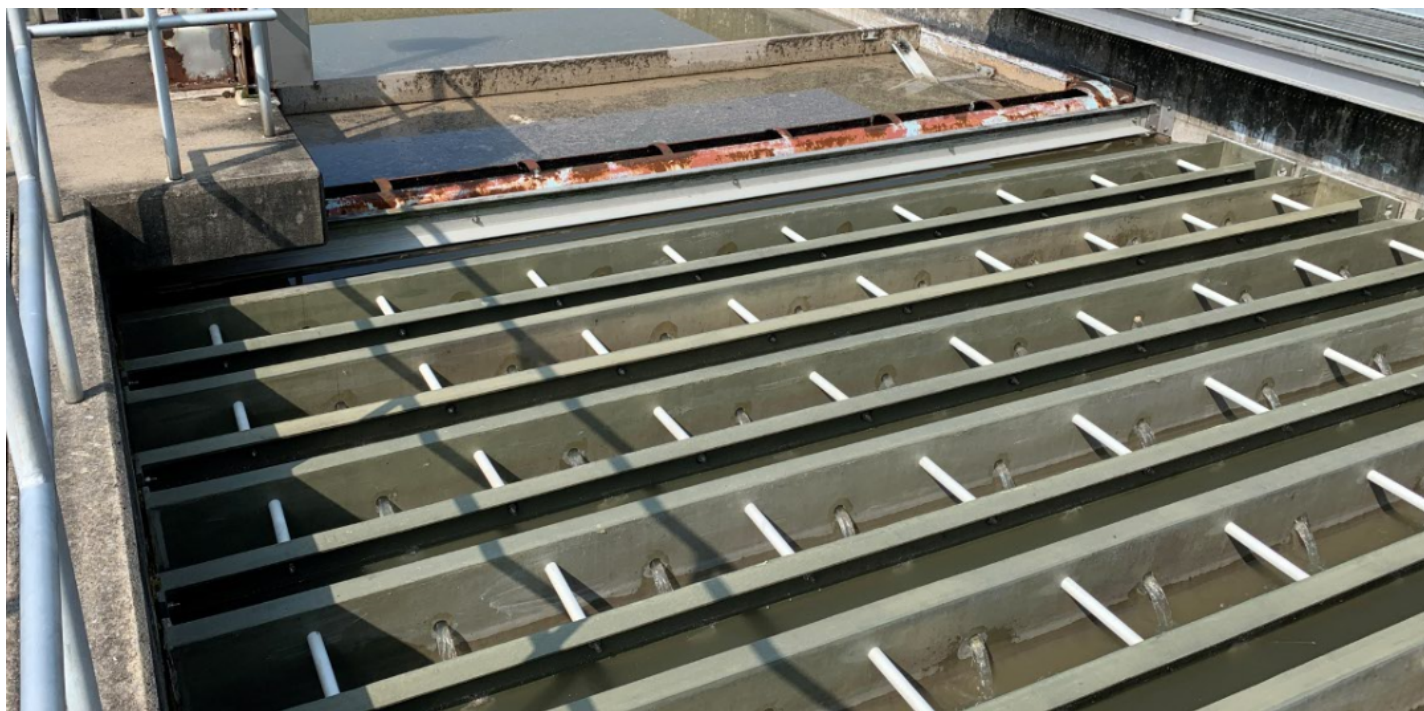
Initial installation and utilization - some debris sitting on top edge of troughs



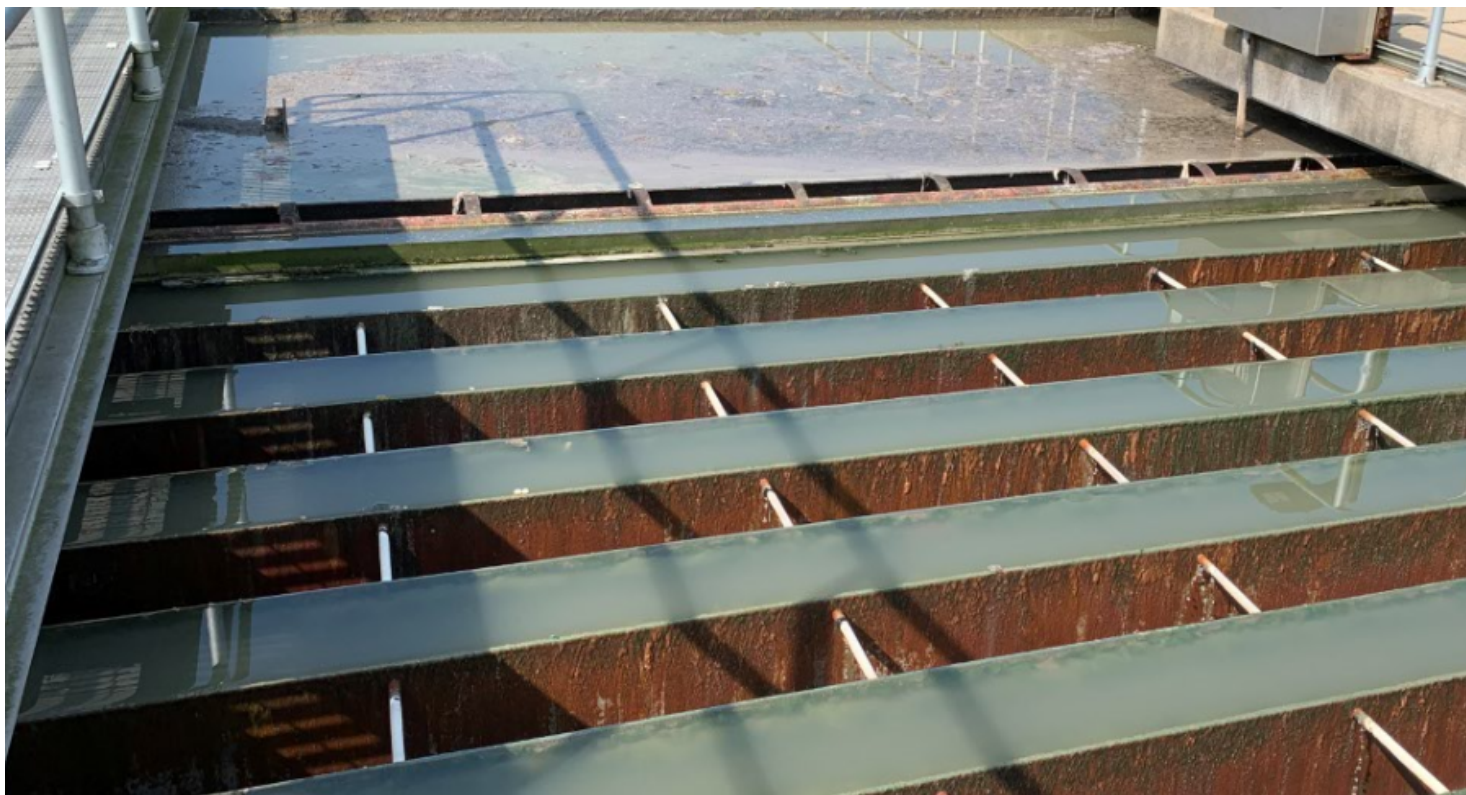
Orifice hole installation - water level too low for scum equipment



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



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





EXECUTIVE DIRECTOR'S REPORT

December 15, 2021

ACTION ITEMS

3. Public Comment

3.1 Other items not on the agenda

4. Old Business

4.1 Potential Refinance Opportunity Series 2017 Bonds and Future Financing Needs

Based on current market conditions, there is an opportunity to refinance the Series 2017 Bonds. A presentation will be made by Public Financial Management (PFM). A copy of the presentation is included in the agenda report. PFM will also discuss the future financing requirements to complete the Biosolids Project.

Recommendation: Presentation, no action required.

4.2 Contract 2020-11 High Voltage Switchgear Change Order No. 2

This change order incorporates additional paving from other small projects around the plant that required the cutting of pavement. To obtain better pricing, all of the paving was transferred to this contract and removed from others. The change order also includes the addition of a small retaining wall to protect the new switchgear. The need for the wall resulted from changes in grade required to work around existing infrastructure that was not in the location shown on the old plant drawings. The amount is an increase of \$12,638.81 to the contract.

Recommendation: Approve Change Order No. 2 Contract 2020-11 High Voltage Switchgear Project in the amount of \$12,638.81.

4.3 2022 Meeting Dates

Proposed Board Meeting Dates for 2022. Meetings are the third Wednesday, with the exception of February. Meeting time is 4PM.

January 19, 2022

February 23, 2022 *Note meeting moved to fourth Wednesday

March 16, 2022

April 20, 2022

May 18, 2022

June 15, 2022

July 20, 2022

August 17, 2022

September 21, 2022

October 19, 2022

November 16, 2022

December 21, 2022

Recommendation: Adopt the meeting dates for 2022.

5. New Business

5.1 Requisitions

BRIF- EL #001	HRG Shiloh Road Project	\$1,125.00
BRIF-EL #002	HRG Scott Road Pump Station Project	\$2,348.34
BRIF-EL #003	HRG Greenbriar Record Drawings	\$2,880.00
BRIF-EL #004	HRG Fiber Optic Conduits	\$1,080.00
BRIF-EL #005	HRG Entry Road Project	\$1,742.93
BRIF-EL #006	HRG Treatment Plant Emissions Study	\$883.00
BRIF-EL #007	HRG Harris Reuse Record Drawings	\$8,700.00
BRIF-EL #008	Rettew Switchgear Project	\$3,564.74
BRIF-EL #009	Rettew Phosphorus Study	\$11,108.68
BRIF-EL #010	Rettew Solar Battery Operations	\$3,021.05
BRIF-EL #011	Rettew AWT Control Panel Upgrade	\$1,772.57
BRIF-EL #012	Morefield Communications Plant Network Upgrade	\$60,471.44
BRIF-EL #013	CDW Government, Inc. Server Upgrades	\$90,404.00
BRIF-EL #014	Glenn O. Hawbaker Whitehall Road Project	\$2,408.11

BRIF-EL #015	Best Line Equipment Scott Road Project	\$2,895.00
BRIF-EL #016	Westmoreland Electric Services Pay App. #1- Scott Road Project	\$22,682.25
BRIF-EL #017	Ducken Tree Farm, LLC Whitehall Road Project	\$13.70
TOTAL BRIF- Emmaus Loan		\$217,100.81

BRIF #640	Ducken Tree Farm, LLC. Whitehall Road Project	\$1,141.30
BRIF #641	Mid-State Paving Scott Road Project	\$12,375.98
BRIF #642	L/B Water Scott Road & Whitehall Road	\$1,612.30
BRIF #643	Siteone Landscape Scott Road & Whitehall Road	\$1,120.55
BRIF #644	Thoroughbred Construction Pay App. #7- Switchgear Project	\$30,552.81
BRIF #645	John Nastase Construction Pay App. #1- Scott Road Project	\$101,700.00
BRIF #646	Skelly and Loy Toad Survey	\$2,536.00
BRIF #647	Thoroughbred Construction Pay App. #8- Switchgear Project	\$5,850.00
TOTAL BRIF-		\$156,888.94

Construction Fund #026	Rettew Aeration Line Project	\$840.00
Construction Fund #027	Rettew Ozone Disinfection Project	\$4,032.16
Construction Fund #028	G.M. McCrossin, Inc. Pay App. #4- Aeration Line Project	\$26,953.70

TOTAL 2020 A CONSTRUCTION FUND

\$31,825.86

6. Reports of Officers

7. Other Business

8. Adjournment



UNIVERSITY AREA JOINT AUTHORITY

University Area Joint Authority

Refinancing Discussion

December 15, 2021

Prepared by:

Scott Shearer

Managing Director

&

Karli Keisling

Senior Analyst



PFM Financial Advisors LLC

100 Market Street

Harrisburg, PA 17101

717.231.6265 (P)

www.pfm.com

University Area Joint Authority
Topics for Discussion
December 15, 2021

2022 Financing Plan

- 1) Refinance the Authority's existing Sewer Revenue Bonds, Series of 2017 to achieve highest overall net debt service savings (Series of 2022).
 - a) The Authority is also contemplating an additional new money issuance for various projects, a portion of which may be borrowed in late 2022.

Upcoming Refinancing Opportunity

- 1) Series of 2022 (*Refunds Series of 2017*)
 - a) Series of 2017
 - i) Outstanding Par: \$8,800,000
 - ii) Call Date: May 1, 2022
 - iii) Average Rate: 2.99%
 - iv) Final Maturity: November 1, 2030

Bank Qualified Bonds Review

- 1) Current IRS tax law states that a tax-exempt issuer can issue \$10 million of Bank Qualified ("BQ") bonds per calendar year.
 - a) Holder of BQ bonds enjoy certain additional tax benefits, resulting in higher demand.
 - b) BQ bonds typically have lower interest rates and a shorter call feature than non-BQ bonds.
 - c) Depending on market conditions, it is typically in the Authority's best interest to issue BQ bonds when possible to take advantage of the lower rates and a shorter call feature.

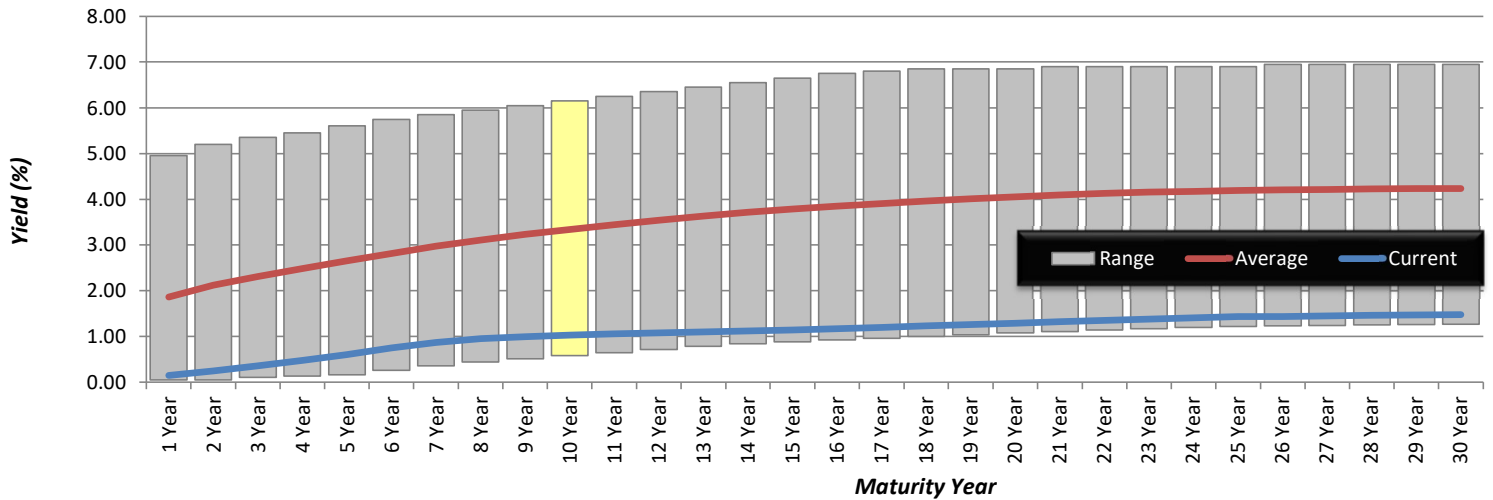
Estimated Timeline

December 15, 2021	Initial Presentation / Authorization to Proceed
January 19, 2022	Adoption of 2022 Resolution / Selection of Underwriter
February 7, 2022 (or later)	Pricing of the Bonds (Refunding – lock-in rates)
March 14, 2022 (or later)	Settlement of 2022 Refunding Bonds

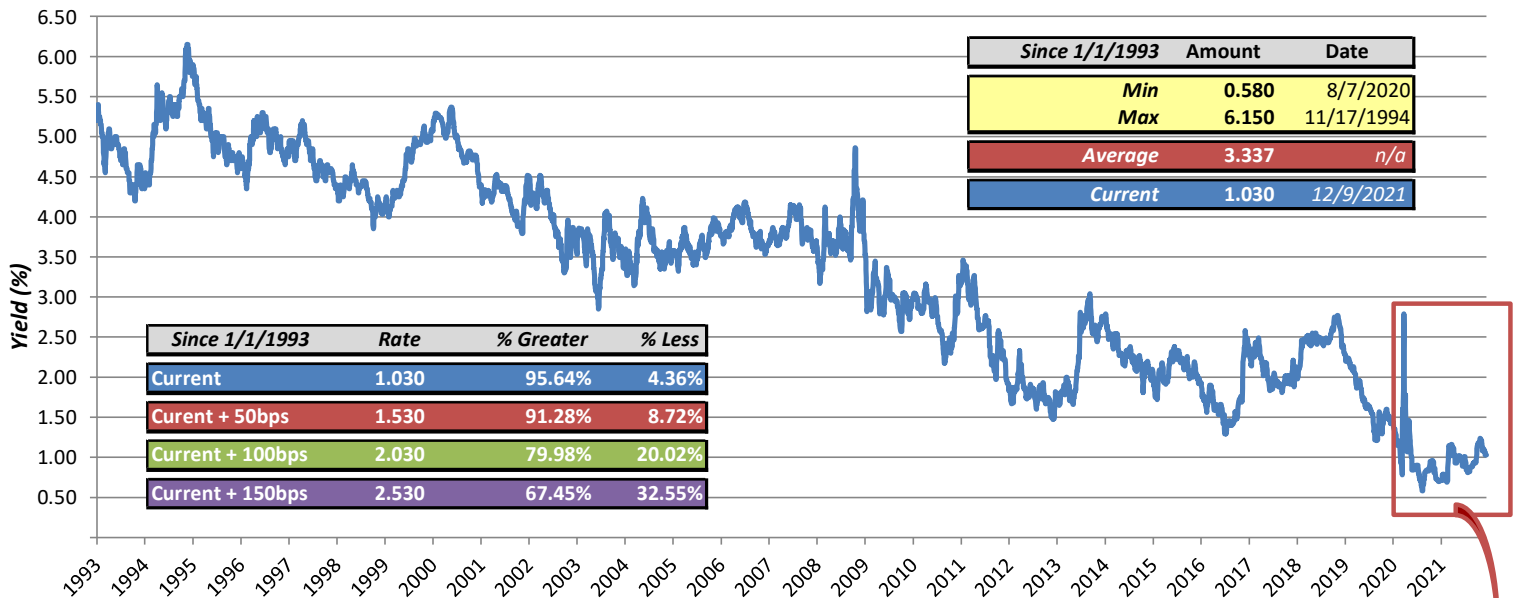
MUNICIPAL MARKET UPDATE

December 9, 2021

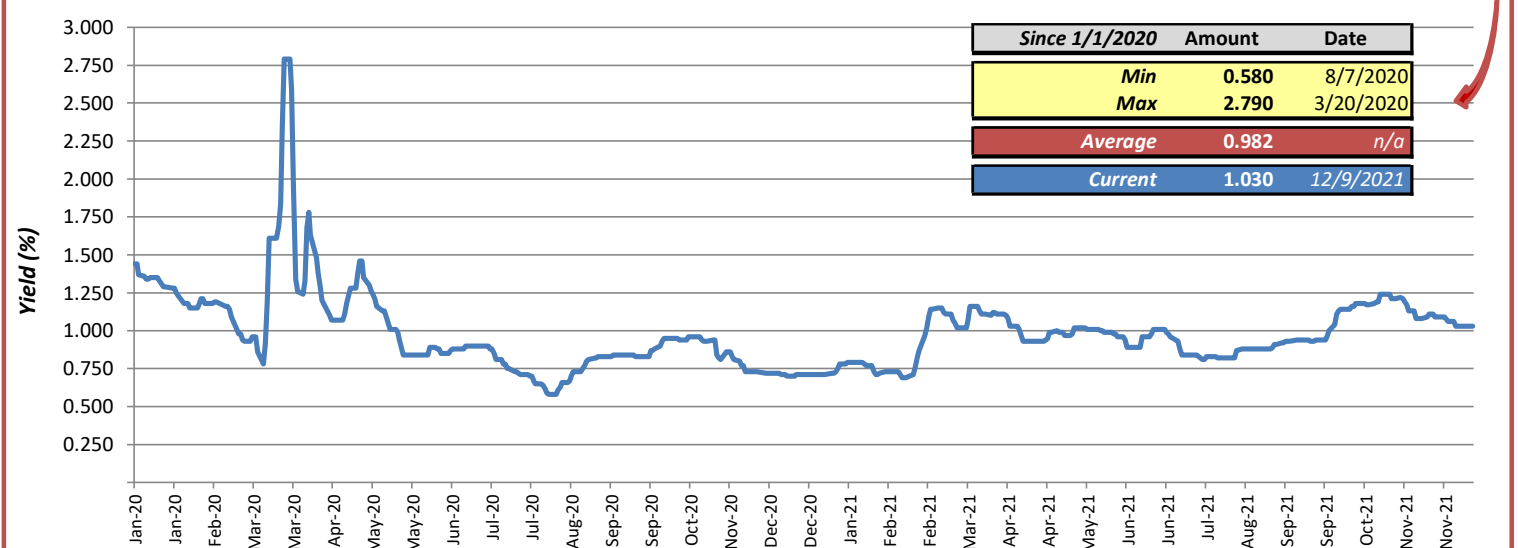
HISTORICAL MMD CURVE ILLUSTRATION - SINCE JANUARY 1, 1993



SPOT ANALYSIS - 10 YEAR MMD - SINCE JANUARY 1, 1993



SPOT ANALYSIS - 10 YEAR MMD - SINCE JANUARY 1, 2020



UNIVERSITY AREA JOINT AUTHORITY
SUMMARY OF OUTSTANDING INDEBTEDNESS

Debt Service Requirements										
1	2	3	4	5	6	7	8	9	10	11
Fiscal Year Ended	FIRST LIEN DEBT									
	Revenue Bonds	Revenue Bonds	JSSB	Revenue Bonds	Revenue Bonds	Revenue Bonds	Revenue Bonds	Revenue Bonds	Revenue Bonds	Total
	Series of 2015	Series of 2017	Series A of 2017 ^[1]	Series B of 2017	Series of 2018	Series of 2020	Series A of 2020 ^[2]	Series of 2021 ^[3]	Series A of 2021	Debt Service
12/31/2022	7,481	338,125	621,707	3,446,300	416,419	889,250			626,600	6,345,882
12/31/2023	7,481	341,625	645,599	3,442,300	416,419	883,050	190,900	265,500	606,500	6,799,374
12/31/2024	322,481	335,250	662,298	3,461,800	416,419	566,050	190,900	265,500	576,600	6,797,298
12/31/2025		339,000	687,070	3,448,300	416,419	890,650	190,900	265,500	562,100	6,799,939
12/31/2026		332,350	714,970	3,448,050	416,419	893,900	190,900	265,500	534,200	6,796,289
12/31/2027		335,850		335,050	416,419	3,318,900	190,900	265,500	1,935,200	6,797,819
12/31/2028		334,131		330,750	416,419	3,320,100	190,900	265,500	1,938,000	6,795,800
12/31/2029		5,957,413			416,419		190,900	265,500		6,830,231
12/31/2030		2,842,813			3,531,419		190,900	265,500		6,830,631
12/31/2031					6,372,969		190,900	265,500		6,829,369
12/31/2032					4,418,906		2,145,900	265,500		6,830,306
12/31/2033							6,566,800	265,500		6,832,300
12/31/2034							1,198,500	5,630,500		6,829,000
12/31/2035								3,589,550		3,589,550
12/31/2036										
Totals	337,444	11,156,556	3,331,644	17,912,550	17,654,644	10,761,900	11,629,300	12,140,550	6,779,200	91,703,788
Principal*:	315,000	8,800,000	3,066,000	15,450,000	13,450,000	9,635,000	9,545,000	8,850,000	6,155,000	75,266,000
Call Date:	5/1/2020	5/1/2022	Anytime	11/1/2025	5/1/2026	5/1/2025	11/1/2025	11/1/2026	10/1/2026	
Reset Rate:			60% WSJ Prime							
Purpose:	Cur Ref 2010	New Money	Cur Ref 2011A	Cur Ref 2014 FRN	New Money	Cur Ref 2015	New Money	New Money	Cur Ref 2016	

^[1] Assumes a 7-Year Fixed Rate of 1.98% through November 1, 2024, variable thereafter at the cap rate of 6.00%

^[2] Net of capitalized interest. Assumes \$190,900 in FY21-22.

^[3] Net of capitalized interest. Assumes \$265,500 in FY21-22.

* Outstanding as of December 10, 2021

UNIVERSITY AREA JOINT AUTHORITY
Summary of 2022 Refinancing Plan

1

(Estimated)

	Series of 2022
Purpose	2017 Bonds Refunding
Bond Proceeds	\$9,180,000
Est. DSRF Deposit	\$28,011
Settlement	March 14, 2022

2

Bank Qualified ^[1]	Yes
Est. BQ Usage	\$380,000

3

Est. Net Savings ^[2]	\$402,090
As a % of Refunded Principal	4.57%

(Estimated)

4 Fiscal Year Ending	5 Existing Debt Service	6 Est. 2022 Refunding Debt Service ^[2] ^[3]	7 Est. Debt Service Savings ^[2]	8 Est. New Total Net Debt Service
12/31/2022	6,345,882	102,166	235,959	6,109,923
12/31/2023	6,799,374	186,700	154,925	6,644,449
12/31/2024	6,797,298	331,700	3,550	6,793,748
12/31/2025	6,799,939	338,800	200	6,799,739
12/31/2026	6,796,289	330,700	1,650	6,794,639
12/31/2027	6,797,819	332,700	3,150	6,794,669
12/31/2028	6,795,800	334,600	(469)	6,796,269
12/31/2029	6,830,231	5,956,400	1,013	6,829,219
12/31/2030	6,830,631	2,840,700	2,113	6,828,519
12/31/2031	6,829,369			6,829,369
12/31/2032	6,830,306			6,830,306
12/31/2033	6,832,300			6,832,300
12/31/2034	6,829,000			6,829,000
12/31/2035	3,589,550			3,589,550
12/31/2036				
12/31/2037				
12/31/2038				
12/31/2039				
12/31/2040				
TOTAL	91,703,788	10,754,466	402,090	91,301,698

Notes

[1] For these purposes, assumes refunding bonds issued as Bank Qualified can be structured so their weighted average maturity can be less or equal to the bonds being refunded.

[2] For these purposes, assumes a conservative estimate of current interest rates. Actual rates subject to change based on changing market conditions.

[3] 2022 Bonds assume 4/1 and 10/1 payment dates, with principal being paid annually on 10/1

UNIVERSITY AREA JOINT AUTHORITY					
SERIES OF 2017					
Bonds to be Refunded			Optional Redemption: May 1, 2022		

1	2	3	4	5	6
<u>Date</u>	<u>Principal</u>	<u>Rate</u>	<u>Interest</u>	<u>Semi-Annual Debt Service</u>	<u>Fiscal Year Debt Service</u>
5/1/2022			144,062.50	144,062.50	
11/1/2022	50,000	3.000	144,062.50	194,062.50	338,125.00
5/1/2023			143,312.50	143,312.50	
11/1/2023	55,000	2.500	143,312.50	198,312.50	341,625.00
5/1/2024			142,625.00	142,625.00	
11/1/2024	50,000	2.500	142,625.00	192,625.00	335,250.00
5/1/2025			142,000.00	142,000.00	
11/1/2025	55,000	3.000	142,000.00	197,000.00	339,000.00
5/1/2026			141,175.00	141,175.00	
11/1/2026	50,000	3.000	141,175.00	191,175.00	332,350.00
5/1/2027			140,425.00	140,425.00	
11/1/2027	55,000	3.125	140,425.00	195,425.00	335,850.00
5/1/2028			139,565.63	139,565.63	
11/1/2028	55,000	3.125	139,565.63	194,565.63	334,131.25
5/1/2029			138,706.25	138,706.25	
11/1/2029	5,680,000	3.250	138,706.25	5,818,706.25	5,957,412.50
5/1/2030			46,406.25	46,406.25	
11/1/2030	2,750,000	3.375	46,406.25	2,796,406.25	2,842,812.50
TOTALS	8,800,000		2,356,556.25	11,156,556.25	11,156,556.25

UNIVERSITY AREA JOINT AUTHORITY AMOUNT REQUIRED TO CALL
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1	2	3	4	5
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SERIES OF 2017	Optional Redemption Date: May 1, 2022
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AMOUNT REQUIRED TO CALL *				
<u>Date</u>	<u>Principal</u>	<u>Interest</u>	<u>Escrow Agent</u>	<u>Required</u>
5/1/2022	8,800,000.00	144,062.50		8,944,062.50
TOTALS	8,800,000.00	144,062.50	0.00	8,944,062.50

* Escrow will be gross funded from settlement through optional redemption date

UNIVERSITY AREA JOINT AUTHORITY

Series of 2022

Settle 3/14/2022

REFUNDS THE SERIES OF 2017

Dated 3/14/2022

1	2	3	4	5	6	7	8	9
<u>Date</u>	<u>Principal</u>	<u>Coupon</u>	<u>Yield</u>	<u>Interest</u>	<u>Semi-Annual Debt Service</u>	<u>Fiscal Year Debt Service</u>	<u>Existing Debt Service</u>	<u>Savings</u>
10/1/2022		2.000	1.550	102,166.39	102,166.39	102,166.39	338,125.00	235,958.61
4/1/2023				93,350.00	93,350.00			
10/1/2023		2.000	1.570	93,350.00	93,350.00	186,700.00	341,625.00	154,925.00
4/1/2024				93,350.00	93,350.00			
10/1/2024	145,000	2.000	1.650	93,350.00	238,350.00	331,700.00	335,250.00	3,550.00
4/1/2025				91,900.00	91,900.00			
10/1/2025	155,000	2.000	1.770	91,900.00	246,900.00	338,800.00	339,000.00	200.00
4/1/2026				90,350.00	90,350.00			
10/1/2026	150,000	2.000	1.890	90,350.00	240,350.00	330,700.00	332,350.00	1,650.00
4/1/2027				88,850.00	88,850.00			
10/1/2027	155,000	2.000	2.000	88,850.00	243,850.00	332,700.00	335,850.00	3,150.00
4/1/2028				87,300.00	87,300.00			
10/1/2028	160,000	2.000	2.110	87,300.00	247,300.00	334,600.00	334,131.25	(468.75)
4/1/2029				85,700.00	85,700.00			
10/1/2029	5,785,000	2.000	2.220	85,700.00	5,870,700.00	5,956,400.00	5,957,412.50	1,012.50
4/1/2030				27,850.00	27,850.00			
10/1/2030	2,785,000	2.000	2.330	27,850.00	2,812,850.00	2,840,700.00	2,842,812.50	2,112.50
TOTALS	9,335,000			1,419,466.39	10,754,466.39	10,754,466.39	11,156,556.25	402,089.86

* Optional redemption date of April 1, 2027

Savings as a % of Refunded Par**4.57%**



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