

EAST GOSHEN MUNICIPAL AUTHORITY

December 11, 2023

7:00

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE

- Ask if anyone will be taping the meeting

2. CHAIRMAN’S REPORT/OTHER MEMBERS’ REPORTS

3. SEWER REPORTS

- Director of Public Work’s Report
- Pennoni Engineer’s Report
- Big Fish Environmental Report (not available at time of agenda printing)

4. APPROVAL OF MINUTES

- November 13, 2023

5. APPROVAL OF INVOICES

• Pennoni	Invoice #1199247	\$546.25
• Pennoni	Invoice #1199248	\$575.50
• Premium Power Services	Invoice #30568	\$17,500.00 (paid)
• Gatti Morrison	Invoice #525512	\$1,359.00 (paid)
• Colonial Electric Supply	Invoice #15490278	\$1,808.78 (paid)
• Colonial Electric Supply	Invoice #15499508	\$890.77 (paid)
• Yale Electric Supply	Invoice #S124442513.001	\$222.66 (paid)
• Gawthrop Greenwood	Invoice #281972	\$431.00

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. November 2023

8. OLD BUSINESS

- Approval of Payment Application #1: Chester Creek Interceptor Inspection & Repair

9. **2023 Goals:**

Goal	Status
Ridley Creek plant compliance	January, February, March, April, May, June, July, August, September, October, & November were in compliance and met all requirements.
Continue to implement infiltration and inflow for the sewer system	Ongoing
RCSTP UV Disinfection System	Temporary setups are in production.

10. **NEW BUSINESS**

- **Mark Miller:** Request for motion to purchase new lift station pump for the wet well at the treatment plant

- **Pennoni:**
 1. Proposal for Chester Creek Interceptor Inspection & Repair
 2. Proposal for RCSTP Generator 2 Replacement
 3. 2024 Reappointment Letter

- **Scott Towler:** 2024 Big Fish Reappointment Letter

- **Dave Ware:** 2024 Proposed Municipal Authority Budget

11. **CAPACITY REQUESTS**

12. **ANY OTHER MATTER**

13. **CORRESPONDENCE AND REPORTS OF INTEREST**

14. **PUBLIC COMMENT**

15. **ADJOURNMENT**

EAST GOSHEN MUNICIPAL AUTHORITY
EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199
610-692-7171

To: Municipal Authority

From: Mark Miller

Re: December 11, 2023, Monthly Report

The Public Works Department has been extremely busy this past month working the Interceptor. We assisted the video contractor to gain access to various areas along Chester Creek and while doing the clearing, we located several issues that will need attention:

- We found that the line that runs under the stream up to the Milltown stores has significant sag. The laterals from the stores have no cover and they are suspended in the area. The drainage ditch that they run through has been eroded away and will be repaired in the next few weeks.
- We had to remove an 8" ductile iron abandoned force main from the old Milltown pump station which ran through the bottom of Manhole 8, and we had to raise seven manholes that had been covered over.

You may heard that a sewage treatment plant and a water treatment plant were CYBER attacked by the Iranian government, which has affected our sewage flow meters. The township's new computer consultants are working with Allied Control to install firewalls. Below is the rest of my report:

Monthly Flows: The average daily flow to West Goshen was 721,972 per day.

Meters: Were read on a daily basis. Since the meters were taken out of service we will need to read the meters manually until the problem is corrected.

C.C. Collection:

- We were notified of two sewer lateral problems which resulted in the property owners having to hire a plumber to replace the broken traps and the cleanouts. The PWD televised the laterals and showed the homeowners.
- The pump stations were visited on a daily basis and wet wells were cleaned.
- We received a seal failure alarm at the Barkway Station on Thanksgiving Day. We disconnected the seal fail switch to get us through the holiday. This past week, we pulled all number 2 pumps from each station and sent them out to be serviced.

C.C. Interceptor:

- As I stated above, we have been busy taking care of several issues that were found by the contractor.
- The PWD located and raised 4 manholes in the Dutts Mill townhouse development.

R.C. Collection:

- The pumping stations were visited on a daily basis and wet wells cleaned.
- #2 pumps were pulled at the stations.
- We were called for a sewer blockage on Bowtree Dr – a trap need to be replaced.

Ridley Creek Plant:

- Routine maintenance at the plant
- Lenni has started to install conduit.
- Zimmerman is set up to start installing the temporary UV system on December 4th.
- We met with Mike Ellis onsite to discuss the pump location and decided to add an additional float for the temporary pumps.
- John Laidley was out to replace the floats in the wet well.
- The parts have arrived to rebuild the centrifuge and that work will be completed after the holidays.
- The new Muffin Monster arrived for the sludge room.
- We are still waiting for the Moyne screw pump - we were told not to expect it until the end of February.

Alarms: 18 (power outages)

PA One Calls: 75

Monthly Rainfall: 4.00"

Lateral Repairs or Caps: 2 in Fairway, 3 in Bow Tree, 1 in Mill Creek



EAST GOSHEN MUNICIPAL AUTHORITY ENGINEER'S REPORT

December 8, 2023

Ridley Creek Sewage Treatment Plant (RCSTP)

- **Caustic Soda Conversion** – During a site visit on October 4, it was noticed that the tank's outside insulation was cracked in some locations and loose/peeling off in others. The supplier, Pyrz, repaired the tank's insulation in November.

Once the outdoor emergency shower is installed, the tank can be put into operation.

We previously prepared a draft O&M Manual information for the system that was submitted to the Township and operator for review. We will set up a meeting to review so that the Manual can be finalized.

- **UV Disinfection System** – All temporary and permanent equipment has been delivered. Lenni installed the control boxes for the temporary pumps and initiated installation of permanent conduit and wiring. Zimmerman, the general contractor, has not yet mobilized, but we tentatively anticipate that he will start working next week.

We attended a field meeting on November 27 at the plant with Lenni, Mark Miller, the plant operator, and John Laidley (controls) to review progress of the electrical work, proposed equipment layout, and temporary alarms and controls setups. We thereafter evaluated alternative locations for the new UV electrical/controls cabinet to improve ease of channel raising concrete work. We also analyzed and recommended pump float and high level alarm settings along with proposed controls logic for the high level floats to automatically shut off the filter feed pumps.

An updated tentative construction schedule follows with completed work in italics:

- *Delivery of Permanent UV Equipment – October 30, 2023*
 - *Delivery of Bypass Pumps and Hoses – Week of November 13, 2023*
 - *Initiate Temporary Bypass Work – Mid-November 2023*
 - Complete Temporary Bypass Work and Initiate Use of Bypass System – Week of January 2, 2024
 - Two Week Trial and Sampling of Temporary Bypass System – January 8-22, 2024
 - Township to Perform Concrete Channel Work – January 23-February 23, 2024
 - 2nd Notice to Proceed to Contractors: Permanent Work – February 26, 2024
 - Redirect Flow back to Permanent Channel (30 days of 2nd NTP) – March 25, 2024
 - Two Week Trial of New UV System in Permanent Channel – March 25-April 8, 2024
 - Install Second UV Module into Permanent Channel – April 9, 2024
 - Two Week Trial of Second New UV System in Permanent Channel – April 10-24, 2024
 - Construction Completed – Early May 2024
- **Generator #2 Replacement** – Premium Power Services released the Cummins' 500 kW diesel generator for fabrication in early March 2023. The lead times on the generator and ATS are 43 weeks and 22 weeks respectively, so we expect delivery of the entire system around January 2024.

We are continuing to prepare electrical design and structural concrete pad plans for the new generator for use by the Township in construction.

- **Operating Cost Analysis** – We are continuing to coordinate with Scott Towler for the evaluation of industry WWTP operating costs in an effort to benchmark RCSTP costs against other similar WWTPs.

Sanitary Sewer Pipe Rehab

- **Chester Creek Sewer Rehab** – The contractor, Insituform, has performed cleaning and televising of approximately 75% of the contracted sewers. We reviewed the videos, and there are only minor deficiencies. We are evaluating potential repairs for the deficiencies and will coordinate with the Township and contractor to determine if there is available budget since those repairs were not known at the time of award and were thereby not awarded.

We reviewed shop drawings and construction submittals for the pipe lining and repairs that were in the contract award. We anticipate construction of the repairs will commence upon completion of the cleaning and televising work.

Additionally, the Contractor submitted the first pay application, and we provided a payment recommendation.

- **Hershey's Mill Estates** – The Contractor has completed all punchlist work. The only outstanding item is a damaged PECO meter manhole at the top of the tennis court access drive. We reviewed the Contractor's Maintenance Bond, Statement of Surety, and Contractor's Release and found all documents satisfactory.
- **LSA Grant Application** – We provided information to Dave Ware for preparation of the grant application for pipe lining and rehabilitation of the Chester Creek Interceptor Phases 1 and 2 and the remainder of pipe lining in Supplee Valley. We understand the grant application was submitted on November 30.

New Connections

- Millstone Meadows (1010 Hershey Mill Road) – We reviewed the 3rd submission of the Subdivision and Land Development Plan, including the revised sanitary sewer extension design. A revised, 4th submission was made thereafter and is currently under review.
- 301 Reservoir Road (5-Lot Residential Subdivision) – We reviewed a revised submission of Subdivision and Land Development Plans, including the proposed sanitary sewer main extension along Reservoir Road to the site.
- 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was previously installed, but we are not aware that the grinder pump has been installed.
- 14 Reservoir Road – No activity by Pennoni since our last report.

END OF REPORT



Executive Summary

The Ridley Creek sewage treatment plant outfall 001 is anticipated to meet all effluent limitations regarding water quality for November 2023. All supplemental reports were submitted for October 2023. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminum sulfate solution volumes increased slightly to a daily average of 71.7 from the previous standard of 70.7 gallons per day. No significant mechanical or operational issues were observed during the sludge dewatering equipment or SBR treatment process. Sludge dewatering experienced no mechanical issues impacting production. There were no odor complaints during the month.

Table 1

November 2023- Final Effluent - Outfall 001													
NPDES Permit Discharge Limitations	Flow	CBOD ₅		Total Nitrogen		TSS		NH ₄ -N		Total Phosphorus		Fecal Coliform	
	MGD	lbs/	lbs/	lbs/	lbs/	lbs/	lbs/	lbs/	lbs/	lbs/	Geo	Geo	
	Average	mg/L	month	mg/L	month	mg/L	month	mg/L	month	mg/L	month	Mean	Mean
	0.75	10	62	Report	Report	10	62	7.0	44	0.5	3	200	1,000
Inst. Max	20	94			15	94	14		1				
Sample Date													
November 7, 2023	0.256	2.0	4.3	6.60	14.1	4.8	10.2	0.10	0.21	0.10	0.21	1	0.0000
November 14, 2023	0.274	2.0	4.6	7.46	17.0	5.0	11.4	0.10	0.23	0.17	0.39	1	0.0000
November 21, 2023	0.408	2.7	9.2	*		4.0	13.6	0.10	0.34	*		28	1.4472
November 28, 2023	0.304	2.0	5.1	*		5.0	12.7	*		0.10	0.25	1	0.0000
Average	0.311	2.2	5.8	7.03	15.6	4.7	12.0	0.10	0.26	0.12	0.29	8	0.3618
Minimum	0.256	2.0	4.3	6.60	14.1	4.0	10.2	0.10	0.21	0.10	0.21	1	0.0000
Maximum	0.408	2.7	9.2	7.46	17.0	5.0	13.6	0.10	0.34	0.17	0.39	28	1.4472

* Sample results were not available at the time of the report preparation.

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for November 2023. The monthly average total phosphorus was reported as 0.14 mg/L compared to the permit limitation of 0.50 mg/L. The TSS samples were consistently in single digits. The results remain below the weekly maximum of 15 mg/L. The monthly average TSS is reported as 4.5 mg/L compared to the discharge limitation of 10 mg/L.

The final effluent test results demonstrate that the biological treatment performed well during November. The sequencing batch reactors (SBRs) numbered 2, 3, and 4 were in service.

Table 2 illustrates the final effluent composite sample data reported for outfall 002 for November 2023.

Table 2

November 2022 - Applebrook - Out Fall 002													
NPDES Permit Discharge Limitations	Flow	CBOD ₅		Total Nitrogen		TSS		NH ₄ -N		Phosphorus, Total		Fecal Coliform	
	MGD		lbs/		lbs/		lbs/		lbs/		lbs/	Geo	Geo
	Average	mg/L	month	mg/L	month	mg/L	month	mg/L	month	mg/L	month	Mean	Mean
	0.135	25		Report	Report	30		7.0	44	0.5	3	200	1,000
		40				45		14					
November 7, 2023	0.0315	2.0	0.53	6.60	1.73	4.8	1.26	0.10	0.21	0.10	0.21	1	0.0000
November 14, 2023	0.0329	2.0	0.55	7.46	2.05	5.0	1.37	0.10	0.23	0.17	0.39	1	0.0000
November 21, 2023	0.0411	2.7	0.93	*		4.0	1.37	0.10	0.34	*		28	1.4472
November 28, 2023	0.0339	2.0	0.57	*		5.0	1.41	*		0.10	0.25	1	0.0000
Average	0.0349	2.2	0.64	7.03	1.89	4.70	1.35	0.10	0.26	0.12	0.29	8	0.3618
Minimum	0.0315	2.0	0.53	6.60	1.73	4.00	1.26	0.10	0.21	0.10	0.21	1	0.0000
Maximum	0.0411	2.7	0.93	7.46	2.05	5.00	1.41	0.10	0.34	0.17	0.39	28	1.4472

* Sample results were not available at the time of the report preparation.

The influent wastewater pollutant concentrations and loading entering the wastewater treatment facility were reported as unusually elevated compared to historical and plant-design pollutant concentrations. Typical influent pollutant concentrations are generally within the design concentration and organic loading values. The elevated pollutant concentrations are attributed to the sample suction line dislodged into the flow channel, resulting in the collection of an unrepresentative sample. The Plant Operator replaced the suction tubing and repositioned the sampling probe. The Technician from the laboratory was instructed to check for sample “abnormalities” (aka appearing to have an abundance of solids in the sample bottle) and notify the Plant Operator.

PA DEP

No activity

Pennoni Associates

The UV system replacement project continues.

Significant Rainfall

During November, there were four (4) days when rainfall occurred. Significant events occurred on the 21st resulting in 2.23 inches and on the 27th with 1.32 inches of precipitation. The total precipitation for October was 3.64 inches.

Table 3 presents the pollutant data for the influent wastewater collected at the doghouse manhole during November 2023.

Table 3

November 2023 - Influent Wastewater													
Design Basis	Flow	BOD ₅		CBOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
	MGD	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
		Average	335	2,098	NA	NA	320	2,001	32	200	48	301	9.1
Sample Date													
November 7, 2023	0.320	495	1,319	377	1,005	540	1,439	40.0	107	72.3	193	70.9	188.9
November 14, 2023	0.309	741	1,910	617	1,591	1270	3,274	36.5	94	82.6	213	8.90	22.9
November 21, 2023	0.411	659	2,261	590	2,024	795	2,728	*		79.3	272	*	
November 28, 2023	0.347	794	2,296	1,070	3,095	1370	3,962	*		89.7	259	10.70	30.9
Average	0.347	672	1,947	664	1,929	994	2,851	38.3	100	81.0	234	30.17	80.9
Minimum	0.309	495	1,319	377.0	1,005	540	1,439	36.5	94	72.3	193	8.90	22.9
Maximum	0.411	794	2,296	1,070	3,095	1,370	3,962	40.0	107	89.7	272	70.90	188.9

* Sample results were not available at the time of the report preparation.

Chemical Data

November 2023		
<u>Chemical</u>	Daily Average	Total Monthly
<u>Soda Ash, pounds</u>	300	9,300
<u>Aluminum Sulfate solution, gal</u>	70.7	2,151
<u>Sludge Dewatering, gal*</u>	23,360	490,554

*21 days of sludge dewatering

There was an increase of 67,518 gallons of sludge dewatering during the month. This is typical for this treatment facility to maintain the desired F:M ratio to achieve nutrient removal and manage the foam on the surface of the SBR basins.

Minor Preventative Maintenance

Flushed chemical feed lines to the SBRs.

Cleaned final effluent weir trough daily.

Skimmed surface of disc filters daily

Drained and cleaned disc filters bi-weekly.

Cleaned buildings and laboratory.

Flow Data

November 2023			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	9.990	332,989	447,670
Influent Wastewater to SBRs*	11.862	694,411	497,612
Internal Recycle**	1.872	62,422	102,898
Treated Effluent to Disc Filters	11.506	383,527	467,779
Final Effluent Discharge	8.673	289,000	408,000
Applebrook Golf Course	1.023	34,083	42,656

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
November 13, 2023

The East Goshen Township Municipal Authority held their regular meeting on Monday, November 13, 2023 at 7:00 pm. at the Township Building.

Members in attendance are indicated in **BOLD**:

Kevin Cummings, Chairman
Dana Pizarro, Vice Chairman
Jack Yahraes
Carmen Battavio
Walter Wujcik

Also in attendance were: **Mark Miller (Director of Public Works), Mike Ellis (Pennoni representative), Ellen Koopman (Attorney), Dave Ware (Finance Director), and Michael Lynch (Township Supervisor),** and Scott Towler (on phone)

COMMON ACRONYMS:

<i>ATS – Automatic Transfer Switch</i>	<i>MA- Municipal Authority</i>
<i>BFES – Big Fish Environmental Services</i>	<i>NPDES – National Pollutant Discharge Elimination System</i>
<i>BOS – Board of Supervisors</i>	<i>PC – Planning Commission</i>
<i>CB – Conservancy Board</i>	<i>PM – Prevention Maintenance</i>
<i>DEP – Department of Environmental Protection</i>	<i>PR – Park & Recreation Board</i>
<i>EPA – Environmental protection Agency</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>HC – Historical Commission</i>	<i>SBR – Sequencing Batch Reactor</i>
<i>I&I – Inflow & Infiltration</i>	<i>SSO – Sanitary System Overflow</i>
<i>LCSTP – Lockwood Chase Sewer Treatment Plant</i>	<i>WAS – Waste Activated Sludge</i>
<i>PWD – Public Works Department</i>	

Call to Order & Pledge of Allegiance

Kevin called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. He asked for a moment of silence for our First Responders and Military. He asked if anyone would be recording the meeting. There was no response.

Chairman’s Report

None

SEWER REPORTS

1. Director of Public Works, Mark Miller’s report for November 13, 2023

Monthly Flows – The average daily flow to West Goshen was 723,959 gallons per day.

Meters: The meters were read on a daily basis with no problems to report.

1 **C.C. Collection:** The pump stations were visited on a daily basis with no problems to report.

2
3 **C.C. Interceptor:** We inspected the lids and castings while we were clearing the right of way.

4
5 **R.C. Collection:** The pump stations were visited on a daily basis with no problems to report.

6
7 **Ridley Creek Plant:**

- 8 • Transducer went bad in the Ridley STP wet well. John Laidley came to replace it and
- 9 check the floats. We're looking into a float back-up system.
- 10 • The UV system has been delivered.
- 11 • The wet well electronic cabinet is rotted out. We have ordered a replacement cabinet and
- 12 are scheduling the work.

13
14 **Alarms:** 7 (storm related)

15
16 **PA 1 Calls:** 182

17
18 **Monthly Rainfall:** 1.76"

19
20 **Lateral Repairs or Caps:** Two lateral at 301 Reservoir Rd were dug and capped off.

21
22
23 **2. Pennoni Engineer's Report dated November 8, 2023**

24
25 **Ridley Creek Sewage Treatment Plant (RCSTP)**

- 26 • Caustic Soda Conversion – During a site visit on October 4, it was noticed that the tank's
- 27 outside insulation was cracked in some locations and loose/peeling off in others. We
- 28 contacted the supplier, Pyrzs, to alert them of this issue. Pyrzs is scheduling to make the repairs,
- 29 which we expect to happen in November. They indicated repairs will take about a half day of
- 30 work to allow the spray insulation to set and coat it.

31 Once the insulation is repaired and the outdoor emergency shower is installed, the tank can be

32 put into operation.

33 We previously prepared a draft O&M Manual information for the system that was submitted

34 to the Township and operator for review. We will set up a meeting to review so that the

35 Manual can be finalized.

- 36 • UV Disinfection System – The temporary channel was delivered to the Township on August
- 37 24. The UV modules were delivered to the Township on October 30, and the submersible
- 38 bypass pumps were delivered on November 2. The bypass hoses are scheduled for delivery
- 39 the week of November 13. Upon receipt of the hoses, construction can begin, starting with the
- 40 general contractor setting up the temporary channel and flow bypass system.

1 An updated tentative construction schedule follows with completed work in italics:

- 2 ○ *Delivery of Permanent UV Equipment – October 30, 2023*
- 3 ○ Delivery of Bypass Pumps and Hoses – Week of November 13-17, 2023
- 4 ○ Initiate Temporary Bypass Work – Mid-November 2023
- 5 ○ Complete Temporary Bypass Work and Initiate Use of Bypass System – December
- 6 20, 2023
- 7 ○ Two Week Trial and Sampling of Temporary Bypass System – December 20, 2023-
- 8 January 3, 2024
- 9 ○ Township to Perform Concrete Channel Work – January 8-February 29, 2024
- 10 ○ 2nd Notice to Proceed to Contractors: Permanent Work – March 1, 2024
- 11 ○ Redirect Flow back to Permanent Channel (30 days of 2nd NTP) – April 1, 2024
- 12 ○ Two Week Trial of New UV System in Permanent Channel –April 1-15, 2024
- 13 ○ Install Second UV Module into Permanent Channel – April 16, 2024
- 14 ○ Two Week Trial of Second New UV System in Permanent Channel – April 17-May 1,
- 15 2024
- 16 ○ Construction Completed – Early May 2024

- 17 ● Generator #2 Replacement – Premium Power Services released the Cummins’ 500 kW diesel
- 18 generator for fabrication in early March 2023. The lead times on the generator and ATS are
- 19 43 weeks and 22 weeks respectively, so we expect delivery of the entire system around
- 20 January 2024.

21 We are currently preparing electrical design and structural concrete pad plans for the new

22 generator for use by the Township in construction.

- 23 ● Operating Cost Analysis – We are continuing to coordinate with Scott Towler for the
- 24 evaluation of industry WWTP operating costs in an effort to benchmark RCSTP costs against
- 25 other similar WWTPs.

26 **Sanitary Sewer Pipe Rehab**

- 27 ● Chester Creek Sewer Rehab – We are reviewing shop drawings and construction submittals
- 28 from the contractor, Insituform. They will schedule the work upon approval of those
- 29 submittals.
- 30 ● Hershey’s Mill Estates – The contractor is scheduled to complete minor punchlist work – removing
- 31 E&S controls, cleaning up construction debris, and opening/unsealing new residential cleanout lids –
- 32 by November 10. We will perform a site visit to verify the remaining punchlist work has been
- 33 completed.

34 The contractor submitted the 3rd (final) pay application, and we provided a payment

35 recommendation. We also processed Change Order #2 to formally document changes to as-built

36 quantities for unit price bid items.

- 37 ● LSA Grant Application – We are assembling information and assisting Dave Ware with preparation of
- 38 the grant application for pipe lining and rehabilitation of the Chester Creek Interceptor Phases 1 and
- 39 2 and the remainder of pipe lining in Supplee Valley. The application is due November 30.

1 **New Connections**

- 2 • Millstone Meadows (1010 Hershey Mill Road) – We received the 3rd submission of
- 3 Subdivision and Land Development Plans. We are currently reviewing the plans, including
- 4 the revised sanitary sewer extension design.

- 5 • 301 Reservoir Road (5-Lot Residential Subdivision) – We received a revised submission of
- 6 Subdivision and Land Development Plans that is currently under review. We also discussed
- 7 modifications to the proposed sewer extension alignment with Mark Miller.

- 8 • 1712 E. Boot Road – The low pressure sewer was constructed via directional drilling from the
- 9 property and connected to the public sewer manhole. We performed an inspection of the
- 10 completed work at the manhole connection, and it was found acceptable with the exception of
- 11 debris/mud that needs to be cleaned from the manhole channel. The grinder pump has not yet
- 12 been installed.

13 14 Reservoir Road – We reviewed a revised Subdivision and Land Development plan submission,
14 which includes connection of one new lot to public sewer via grinder pump. We provided outstanding
15 comments to the Township and Applicant.

16
17
18 **3. Big Fish Environmental Services –**

19 The Ridley Creek sewage treatment plant outfall 001 has met all effluent limitations regarding water
20 quality for October 2023. All supplemental reports were submitted for the month of September 2023.
21 Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminum
22 sulfate solution volumes decreased slightly to a daily average of 70.7 gpd from the previous average
23 of 72. gallons per day. No significant mechanical or operational issues were observed during the
24 sludge dewatering equipment or SBR treatment process. Sludge dewatering experienced no
25 mechanical issues impacting production. There were no odor complaints during the month.
26 Walter mentioned that on page 3 the daily maximum flow doesn’t seem right. Mark will check with
27 Scott.

28
29 **Approval of Minutes**

30 The minutes of the October 16, 2023 meeting were approved.

31
32 **Approval of Invoices**

- 33 1. Walter moved to approve payment of the following Pennoni invoices:
- 34 a. Invoice #1194870 \$ 27.75 (paid)
- 35 b. Invoice #1194871 \$ 209.25 (paid)
- 36 c. Invoice #1194872 \$ 928.25 (paid)
- 37 d. Invoice #1194874 \$ 8,612.50 (paid)

38 Carmen seconded the motion. The motion passed unanimously.

- 39 2. Jack moved to approve payment of the Philadelphia Bearing & Drive Solutions invoice
- 40 #6522098 in the amount of \$17,834.75 (paid). Walter seconded the motion. The motion passed
- 41 unanimously.

- 42 3. Carmen moved to approve payment of JWC Environmental Invoice #116551 in the amount of
- 43 \$16,542.00 (paid). Dana seconded the motion. The motion passed unanimously.

4. Walter moved to approve payment of Gawthrop Greenwood Invoice #280886 in the amount of \$472.00. Jack seconded the motion. The motion passed unanimously.
5. Carmen moved to approve payment of E & W Equipment Co. Invoice #755 in the amount of \$80,991.00. Jack seconded the motion. The motion passed unanimously.

Liaison Reports

1. Conservancy Board – Walter reported that the CRC planted over 100 trees in Applebrook Park along the brook next to the Commerce building. There were 50 volunteers and all equipment was supplied.

2. Board of Supervisors – Mike Lynch reported that the two new Supervisors are Mr. Hicks and Ms. Emery. The proposed 2024 Budget will be available on the website for review tomorrow. PLTF has been working on the blue hydrogen hub from the Marcus Shale. It will involve a new pipeline.

Financial Reports

Dave Ware gave the following report:

Year to date October 2023, the Municipal Authority recorded \$613,704 in revenues (primarily from Sewer Operating transfers and Sewer Capital Reserve transfers and tapping fees) and \$609,817 in expenses (Engineering Services, Audit fees, Administrative Wages, Hershey’s Mill Estates Sewer costs, Caustic Soda project costs, capital costs at the Ridley Creek Sanitary Treatment Plant, capital improvements to the Westtown Way Pump station, auditor and legal fees). The net result of operations is \$3,887. As of October 31, 2023, the fund balance was (\$35,485). This negative balance is a function of balance versus cash reporting. There is \$44,544 in invoices being held so the actual cash balance is \$9,058.

Old Business

◦ Hershey’s Mill Estates Sanitary Sewer Replacement:

1. Change Order #2 – The Change Order #2 reflects a net decrease in contract price of \$78,572.00. Carmen moved to approve Change Order #2 for Hershey’s Mill Estates Sanitary Sewer Replacement Contract No. HME-2022 which reflects a net decrease in the contract price of \$78,572.00 as presented. Walter seconded the motion. The motion passed unanimously. Kevin signed the Change Order #2.
2. Payment Application #3 – The contractor Joao & Bradley Construction Co., Inc. has submitted the third and final invoice for work completed. Mike Ellis mentioned that they have observed the work-in-progress and recommend approval. Kevin moved to approve the Payment Application #3 in the amount of \$111,778.15 conditioned that payment not be made until the closeout documents are provided. Jack seconded the motion. The motion passed unanimously.

Goals

The Goals for 2024 will be discussed at the next meeting. A sewer rate increase was discussed.

New Business - None

1 **Capacity Requests**
2 1. 301 Reservoir Road – Mark reviewed this plan to subdivide for 3 new single family homes.

3
4 **Any Other Matter** – None

5
6 **Correspondence-** None

7
8 **Public Comment -** None

9
10 **Adjournment**

11 There being no further business Walter moved to adjourn the meeting. Jack seconded the motion.
12 The motion passed unanimously. The meeting was adjourned at 8:00 pm.
13 The next regular meeting will be held on Monday, December 11, 2023 at 7:00 pm.

14
15 Respectfully submitted,

16
17
18 Ruth Kiefer, Recording Secretary



INVOICE

Remit Payment To:
Pennoni Associates Inc.
P.O. Box 827328
Philadelphia, PA 19182-7328

Mark Miller
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1199247
Invoice Date : 11/22/2023
Project : EGMAU21004
Project Name : HM Estates Sewer
Design & Permitting

For Services Rendered Through 11/12/2023

Construction Admin & Inspections: Reviewed contractor closeout documents and as-built redlines. Reviewed final pay application and processed Change Order #2.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Wetland & Watercourse Investigation	\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
02 -- Phase I Bog Turtle Habitat Assessment	\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
03 -- Survey	\$17,200.00	\$17,200.00	100.00%	\$17,200.00	\$0.00
04 -- Design	\$26,100.00	\$26,100.00	100.00%	\$26,100.00	\$0.00
05 -- Permitting	\$8,000.00	\$8,000.00	100.00%	\$8,000.00	\$0.00
06 -- Property Line Stakeout	est. \$5,000.00	\$7,520.50		\$7,520.50	\$0.00
07 -- Geotechnical	NTE \$10,000.00	\$6,271.25	62.71%	\$6,271.25	\$0.00
08 -- Bid Assistance	NTE \$9,690.50	\$9,690.50	100.00%	\$9,690.50	\$0.00
09 -- Construction Admin & Inspection	NTE \$60,000.00	\$51,811.75	87.26%	\$52,358.00	\$546.25
Total :	\$149,490.50	\$140,094.00		\$140,640.25	\$546.25

Phase: 09 -- Construction Admin & Inspection

Labor

Class	Hours	Rate	Amount
Authority Engineer	0.50	149.00	74.50
Associate Professional	4.25	111.00	471.75

Labor 546.25

Phase Subtotal

\$546.25

Amount Due This Invoice

\$546.25

PAID

APPROVED BY: _____
DATE PAID: _____
CHECK # _____
AMOUNT PAID: 19-409-6050

West Goshen HM Estates Sewer Design Permitting
EGMAU21004 Invoice Summary
Invoice Date 11/22/2023

Project:	EGMAU21004		
Pennoni Job No.:	HM Estates Sewer Design & Permitting		
Invoice No:	1199247		
Invoice Period:	10/16/2023	to	11/12/2023
Initial Authorization:	\$ 64,800.00	Date:	11/22/2023
Contract Amount:	\$ 149,490.50		
Previously Invoiced:	\$ 140,094.00		
Current Invoice:	\$ 546.25		
Invoiced to Date (\$):	\$ 140,640.25		
Invoiced to Date (%):	94%		
Remaining Budget (\$):	\$ 8,850.25		
Remaining Budget (%):	6%		

Budget by Phase:

Phase Name:	HM Estates Sewer Design & Permitting		
Phase Budget:	\$ 149,490.50		
Previously Invoiced:	\$ 140,094.00		
Current Invoice:	\$ 546.25		
Invoiced to Date (\$):	\$ 140,640.25		
Invoiced to Date (%):	94%		
Remaining Budget (\$):	\$ 8,850.25		
Remaining Budget (%):	6%		

Comments: Construction Admin & Inspections: Reviewed contractor closeout documents and as-built redlines. Reviewed final pay application and processed Change Order #2.



INVOICE

Remit Payment To:
Pennoni Associates Inc.
P.O. Box 827328
Philadelphia, PA 19182-7328

Mark Miller
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1199248
Invoice Date : 11/22/2023
Project : EGMAU23001
Project Name : 2023 General
Services

For Services Rendered Through 11/12/2023

Prepared November Engineer's Report.

Chester Creek Interceptor Sewer Rehab: Initiated review of construction submittals; pre-construction and schedule coordination with contractor and Township. Prepared documentation for LSA grant application.

Billing Limits	Current	Prior	To-Date
Total Billings	575.50	39,423.25	39,998.75
Limit			42,000.00
Remaining			2,001.25

Labor

	Hours	Rate	Amount
Authority Engineer	2.00	149.00	298.00
Associate Professional	2.50	111.00	277.50
Totals	4.50		575.50
Total Labor			575.50
Total this Invoice			<u><u>\$575.50</u></u>

PAID

PAID BY: _____
CHECK # _____
DATE: 07-424-3180

INVOICES DUE ON RECEIPT. Invoices outstanding over 30 days will have a Service Charge of 1 1/2% per month.

2023 General Services
EGMAU23001 Invoice Summary
Invoice Date 11/22/2023

Project: EGMAU23001
Pennoni Job No.: 2023 General Services
Invoice No: 1199248
Invoice Period: 10/16/2023 to 11/12/2023
Initial Authorization: \$ 42,000.00 **Date:** 11/22/2023
Contract Amount: \$ 42,000.00
Previously Invoiced: \$ 39,423.25
Current Invoice: \$ 575.50
Invoiced to Date (\$): \$ 39,998.75
Invoiced to Date (%): 95%
Remaining Budget (\$): \$ 2,001.25
Remaining Budget (%): 5%

Budget by Phase:

Phase Name: 2023 General Services
Phase Budget: \$ 42,000.00
Previously Invoiced: \$ 39,423.25
Current Invoice: \$ 575.50
Invoiced to Date (\$): \$ 39,998.75
Invoiced to Date (%): 95%
Remaining Budget (\$): \$ 2,001.25
Remaining Budget (%): 5%

Comments: Prepared November Engineer's Report.

Chester Creek Interceptor Sewer Rehab: Initiated review of construction submittals; pre-construction and schedule coordination with contractor and Township. Prepared documentation for LSA grant application.

Premium Power Services, LLC

505 Schoolhouse Road
 Kennett Square, PA 19348
 Phone: (610) 444-1232 Fax: (610) 444-2120

Invoice

Date	Invoice
9/1/2023	30568

Bill To
East Goshen Township Office Accounts Payable 1580 Paoli Pike West Chester, PA 19380-6199

P.O. No.	Terms
17409	Net 30

Description	Amount
Partial invoice for Ridley Creek Generator Supply and Commission as detailed in proposal #PEN-JMC012423. - Supply (1) Cummins 1000amp automatic transfer switch. PROVED BY: _____ DATE PAID: _____ CHECK #: _____ CHARGED TO: <u>07-4291-150A</u>	17,500.00

PAID

Thank you for your business. We impose a 2% surcharge on Visa and Mastercard payments.

Subtotal	\$17,500.00
Sales Tax (0.0%)	\$0.00
Total	\$17,500.00



INVOICE

801 First Avenue
 King Of Prussia, PA 19406
 Tel: (610) 992-9700
 Fax: (610) 992-9672
 www.gattimorrison.com

6352 Chapmans Road
 Allentown, PA 18106
 Tel: (610) 992-9101
 Fax: (610) 992-9102

Invoice No.	Page
525512	1
Invoice Date	Cust No.
10/11/23	EAST05
Total Amount	
\$1,359.00	

COPY

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EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER, PA 19380

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SHOP
 LYNN 610-692-7171
 1580 PAOLI PIKE
 WEST CHESTER, PA 19380

Deliv Rec.	PO Number	Slpn	Order Date	Ship Date	Ship Via	FOB	Terms	Loc
490225	LYNN	KM	10/04/23	10/10/23	OUR TRUCK	DELIVERED	NET 30 DAYS	1

Item Number	Qty Order	Qty Ship	UOM	Description	Unit Price	Extended Price
HA-WSS-0100	1	1	BX	SWELLSTOP WATERSTOP 3/4" X 1" 100'/BOX	\$275.00	275.00
HA-WSS-P00Q	4	4	EA	SWELLSTOP PRIMER/ADHESIVE QUART CAN	\$40.00	160.00
KA-SIA-0110	1	1	UN	SIKA ARMATEC 110 3.5 GAL UN (BAG+CTN)	\$235.00	235.00
KA-SIT-107G	8	8	UN	SIKATOP SEAL #107 GRAY BAG+JUG 2.65 GL	\$80.00	640.00
KA-SIG-0050	2	2	BG	SIKAGROUT 212 NS GROUT 50 LB	\$12.00	24.00
				FUEL S/C KOP - NON TAXED		25.00

PAID

MOVED BY: *Msk*
 REPAID:
 CHECK # 07429-156
 CHARGED TO:

\$25 FUEL S/C WILL APPLY TO DELIVERIES MK:SEWER TREATMENT PLANT	Freight	0.00	
	Misc Charges	0.00	
	Sales Tax	0.00	
PAY BY THIS INVOICE, STATEMENT WILL NOT FOLLOW PLEASE REMIT PAYMENTS TO THE KING OF PRUSSIA ADDRESS		Total >	\$1,359.00

Divisions of Colonial Electric:

Original Invoice
INVOICE



INVOICE NUMBER	INVOICE DATE
15492078	11/15/23
PLEASE REMIT PAYMENT TO	
Colonial Electric Supply Company, Inc. PO BOX 414564 Boston MA 02241-4564	

Billing Questions?
Call: THOMAS KARACKAI
484-679-2295

BILLING ADDRESS

10780 1 AB 0.537 E0086X J0148 D12071457618 S2 P10000284 0001:0001

SHIPPING ADDRESS

EAST GOSHEN TOWNSHIP
SHOP
1751 TOWNE DR
WEST CHESTER PA 19380

EAST GOSHEN TOWNSHIP
ATTN: ACCOUNTS PAYABLE
1580 PAOLI PIKE
WEST CHESTER PA 19380-6107

CUSTOMER PO	ORDER DATE	ORDERED BY	SHIP DATE	SHIPPED VIA	FREIGHT TERM
32353-23	11/14/23	DANIELLE	11/15/23		PPD
COMMENTS	CO. UNIT / WH	ENTERED BY	ACCOUNT ID	ORIGINAL INVOICE	SALESPERSON
	02 / DC	9795	E163	QT406077	0001

LINE	SKU	CUSTOMER SKU	DESCRIPTION	ORD QTY	SHIP QTY	BO QTY	UNIT PRICE	UM	EXTENDED AMT
10	RIG1		RIG1 1" RIGID CONDUIT \$	100	100	0	428.96	C	428.96
20	84765607334		CALPVC1 PVC COATED RIG	100	100	0	1061.40	C	1061.40
30	FREECPL100		FREE 1" PVC COAT CPLG	10	10	0	0.00	E	0.00
40	78636401382		STRUTDPALSLT12-10 1-5/8 AL SLT	30	30	0	725.01	C	217.50
50	60000007280		HAYC1102X1AL 1 ALUM PIPE STRAP	20	20	0	233.21	C	46.64
60	78285635013		BOLTROD3/8 3/8" BLT ROD 6' \$	60	60	0	90.47	C	54.28
70		MESSAGE	ALL STOCK						

PAID

11/15/23
07429 - 1505

Invoice Due By: 12/15/2023

Invoices not paid within 30 days from the billing date are subject to a late fee of 1.5% per month. All sales are subject to Colonial's standard terms and conditions of sale in effect as of the date of the placement of an order. Colonial objects to any proposed term that is inconsistent with its standard terms of sale. Colonial's current standard terms and conditions of sale can be found at <http://www.colonialelectric.com/termsandsale> or a copy can be obtained from Colonial's Customer Financial Services Dept. All terms and conditions are subject to change without notice. To ensure proper customer service, Colonial Electric records all calls for quality and training.

SUBTOTAL	1808.78
S&H CHGS	
0.00% TAX	0.00
PAY THIS AMOUNT	1808.78

For a Complete List of Locations
Please Visit
www.colonialelectric.com

Accepted By

JOE

www.BrightLightDesignCenter.com www.AnnapolisLighting.com

0001:0001

Divisions of Colonial Electric:

Original Invoice
INVOICE



INVOICE NUMBER	INVOICE DATE
15499508	11/20/23
PLEASE REMIT PAYMENT TO	
Colonial Electric Supply Company, Inc. PO BOX 414564 Boston MA 02241-4564	

Billing Questions?
Call: THOMAS KARACKAI
484-679-2295

BILLING ADDRESS

11497 1 AB 0.537 E0091X 10146 D12088346132 S2 P10005658 0001:0001

SHIPPING ADDRESS

EAST GOSHEN TOWNSHIP
RIDLEY CREEK SEWAGE PLANT
1751 TOWNE DR
WEST CHESTER PA 19380

EAST GOSHEN TOWNSHIP
ATTN: ACCOUNTS PAYABLE
1580 PAOLI PIKE
WEST CHESTER PA 19380-6107

CUSTOMER PO	ORDER DATE	ORDERED BY	SHIP DATE	SHIPPED VIA	FREIGHT TERM
32353-24	11/17/23	DANIELLE	11/20/23		PPD
COMMENTS	CO. UNIT / WH	ENTERED BY	ACCOUNT ID	ORIGINAL INVOICE	SALESPERSON
	02 / DC	9795	E163	QT407588	0001

LINE	SKU	CUSTOMER SKU	DESCRIPTION	ORD QTY	SHIP QTY	BO QTY	UNIT PRICE	UM	EXTENDED AMT
10	84765607255		CALPV1000B2010 1IN PVC PIP S	30	30	0	17.21	E	516.30
20	84765607321		CALPV1000T37 1IN PVC CONBDY	2	2	0	154.65	E	309.30
30	78599150950		SC500 BEAM CLAMP 1/4"-20 \$	50	50	0	130.33	C	65.17
40		MESSAGE	ALL STOCK						

MOVED BY: *MM*
CHECK # *07429-1505*

PAID

Invoice Due By: 12/20/2023

Invoices not paid within 30 days from the billing date are subject to a late fee of 1.5% per month. All sales are subject to Colonial's standard terms and conditions of sale in effect as of the date of the placement of an order. Colonial objects to any proposed term that is inconsistent with its standard terms of sale. Colonial's current standard terms and conditions of sale can be found at <http://www.colonialelectric.com/termsofsale> or a copy can be obtained from Colonial's Customer Financial Services Dept. All terms and conditions are subject to change without notice. To ensure proper customer service, Colonial Electric records all calls for quality and training.

SUBTOTAL	890.77
S&H CHGS	
0.00% TAX	0.00
PAY THIS AMOUNT	890.77

For a Complete List of Locations
Please Visit
www.colonialelectric.com

www.BrightLightDesignCenter.com www.AnnapolisLighting.com

Accepted By
Joe
JOE



Yale ELECTRIC SUPPLY CO.
 A U.S. Electrical Services Inc. Company
 200 GARFIELD AVENUE
 WEST CHESTER PA 19380-4512
 610-719-9253 Fax

INVOICE

CUSTOMER NUMBER	SUB ACCOUNT #
117491	117491
INVOICE NUMBER	INVOICE DATE
S124442513.001	11/28/23
REMIT TO:	
US ELECTRICAL SERVICES, INC. PO BOX 412485 BOSTON MA 02241-2485	

BILL TO:

EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER PA 19380-6107

SHIP TO:

EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER PA 19380-6107

CUSTOMER PO #	JOB NAME / RELEASE #	ORDERED BY	SALESPERSON	
UV TEMP PUMP			HOUSE ACCOUNT	
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE
DAVID A SMITH	WILL CALL	NET 15TH	11/28/23	11/27/23
ORDER QTY	SHIP QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
2ea	2ea	ORDER PICKED UP IN WEST CHESTER, PA - 19380-4512 TB 5234-TB 1" STR L/T FLEX CONN MADE IN USA !! TAGGED ITEM !!	1535.610 c	30.71
1000ft	1000ft	CAB CAT6 RISER 23GA 4PR SOL CMR BLUE PVC JKT 1000' REEL-IN-BOX	191.950 m	191.95

PAID

APPROVED BY: MJM
 DATE PAID: _____
 CHECK #: _____
 CHARGED TO: 07429-1505



SAVE TIME AND MONEY WITH OUR FREE E-BILLING SERVICE

Choose from three easy ways to receive your invoices: email, fax or Invoice Gateway, our secure online site. With Invoice Gateway, you are notified by email when new invoices are posted. You can search, sort, view, print, download and pay your bills on this site. With email and fax delivery, your invoices are sent once per day and you get an exact replica of your paper bill.

Contact the Credit Department at 717-606-1317 and get set up today!

Invoice is due by 01/15/24.

For complete Terms & Conditions go to:
<https://tinyurl.com/Yale-Customer-TC>

A **Electrical Company**

Visit us at www.usesi.com

TO VIEW ONLINE GO TO: [HTTP://USESI.BILLTRUST.COM](http://usesi.billtrust.com)

PROOF OF DELIVERY SIGNATURE	
2023/11/28 08:52:09 AM	S124442513.1
	

Subtotal	222.66
Shipping Chgs	0.00
Tax	0.00
Payments	0.00
Amount Due	222.66

USE THIS ENROLLMENT TOKEN: VHD QLP SLM



Gawthrop Greenwood, PC
Attorneys at Law

gglaw@gawthrop.com | (p) 610-696-8225
www.gawthrop.com | (f) 610-344-0922

GAWTHROP GREENWOOD CLIENT INVOICE

Please Mail checks to:
P.O. Box 562
West Chester, PA 19381-0562

To Make a Payment with a Credit Card, please visit:
<https://secure.lawpay.com/pages/gawthrop/operating>

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
12/05/2023
Client No: 6604-001M
Invoice No. 281972

General Authority Services

Fees


		Hours	
11/09/2023			
PMM	Email from L. Werkheiser in preparation for Board meeting.	0.20	41.00
11/13/2023			
EBK	Review and analyze materials for monthly meeting		
	Travel to/from and attend monthly meeting	<u>2.00</u>	<u>390.00</u>
	For Current Services Rendered	2.20	431.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna, Esquire	0.20	\$205.00	\$41.00
Ellen B. Koopman, Esquire	2.00	195.00	390.00

Previous Balance	\$472.00
Total Current Charges	431.00

11/30/2023	Payment	-472.00
	Balance Due	<u>\$431.00</u>

APPROVED BY:  12/6/23
 VFE PAID: _____
 CHECK #:
 CHARGED TO: 07-424-3140

To ensure proper credit, please write your client number on your check when returning payment.
 A finance charge of 1.25% per month (15% annually) may be charged on balances not paid 60 days after the invoice date.



Gawthrop Greenwood, PC
Attorneys at Law

gglaw@gawthrop.com | (p) 610-696-8225
www.gawthrop.com | (f) 610-344-0922

GAWTHROP GREENWOOD CLIENT INVOICE
Please Mail checks to:
P.O. Box 562
West Chester, PA 19381-0562

To Make a Payment with a Credit Card, please visit:
<https://secure.lawpay.com/pages/gawthrop/operating>

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
12/05/2023
Client No: 6604M

Previous Balance	Fees	Expenses	Payments	Balance
6604-001 General Authority Services				
472.00	431.00	0.00	-472.00	<u>\$431.00</u>

To ensure proper credit, please write your client number on your check when returning payment.
A finance charge of 1.25% per month (15% annually) may be charged on balances not paid 60 days after the invoice date.

Memo

To: Municipal Authority
From: Dave Ware
Re: MA November 2023 YTD Financial Report
Date: December 7, 2023

YTD November 2023, the Municipal Authority recorded \$708,804 in revenues (primarily from Sewer Operating transfers, Sewer Capital Reserve transfers, and tapping fees) and \$704,590 in expenses (Engineering Services, Audit Fees, Administrative Wages, Hershey's Mill Estates Sewer costs, Caustic Soda project costs, capital costs at the Ridley Creek Sanitary Treatment Plant, capital improvements to the Westtown Way Pump station and auditor and legal fees). The net result of operations is \$4,214. As of November 30, 2023, the fund balance was (\$50,319). This negative balance is a function of balance versus cash reporting. There is \$59,705 in invoices being held so the actual cash balance is \$9,386.

Attached is a complete list of 2023 full year MA revenues and expenses.

EAST GOSHEN TOWNSHIP
Municipal Authority Fund
November 2023

Account Id	Account Description	Annual Budget	Current YTD	Prior YTD
REVENUE				
07-341-1000	INTEREST EARNINGS	0.00	255.64	5.71
07-354-0400	DCED GRANT	152,980.00	0	0
07-364-1100	C.C. TAPPING FEES	2,300.00	0.00	2,300.00
07-364-1110	R.C.TAPPING FEES	2,000.00	5,776.24	1,791.36
07-364-1130	CONNECTION FEES - SEWER	1,000.00	563.76	563.76
07-380-1000	MISCELLANEOUS REVENUE	282.24	282.24	282.24
07-392-0500	TRANSFER FROM SEWER OPERATING	100,000.00	135,263.29	82,107.15
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	1,471,553.00	566,662.88	265,426.86
	Total Revenue	1,730,115.24	708,804.05	352,477.08
EXPENSES				
07-424-1400	ADMINISTRATIVE WAGES	32,055.45	29,687.04	25,116.15
07-424-3000	MISCELLANEOUS EXPENSE	1,748.79	1,759.25	1,665.25
07-424-3110	MUNIC.AUTH.-AUDITING	10,815.00	10,500.00	10,250.00
07-424-3130	ENGINEERING SERVICES	47,250.00	48,661.25	42,469.00
07-424-3140	LEGAL SERVICES	8,400.00	7,709.00	6,140.00
07-424-7440	R.C. CAPITAL-STP	355,793.00	0.00	0.00
07-424-7490	CAP.REPLACEMENT R.C.	488,847.00	34,376.75	0.00
07-426-3001	RELINING	260,000.00	0.00	0.00
07-429-1501	BARKWAY PUMP STATION CAPITAL	0.00	0.00	2,215.00
07-429-1502	ASHBRIDGE PUMP STATION CAPITAL	0.00	0.00	11,493.05
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	78,000.00	10,240.62	153,398.99
07-429-1504	HUNT CO PUMP STATION CAPITAL	0.00	0.00	1,870.00
07-429-1505	RCSTP CAPITAL	260,000.00	233,347.32	120,403.18
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	0.00	90,113.64	0.00
07-429-1520	RCSTP - CAUSTIC SODA	0.00	55,932.87	0.00
07-429-6100	WEST GOSHEN CAPITAL	187,206.00	182,262.24	0.00
07-492-0100	TRANSFER TO GENERAL FUND	0.00	0.00	212.99
	Total Expenses	1,730,115.24	704,589.98	375,233.61
	Net Result From Operations	0.00	4,214.07	-22,756.53

Municipal Authority
YTD Revenues and Expenses thru 11/30/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-341-1000	INTEREST EARNINGS	01/31/23	Revenue Journal	INTEREST EARNED JAN 2023	2.65
07-341-1000	INTEREST EARNINGS	02/28/23	Revenue Journal	INTEREST EARNED FEBRUARY 2023	6.32
07-341-1000	INTEREST EARNINGS	03/31/23	Revenue Journal	INTEREST EARNED MARCH 2023	23.37
07-341-1000	INTEREST EARNINGS	04/30/23	Revenue Journal	INTEREST EARNED APRIL 2023	12.47
07-341-1000	INTEREST EARNINGS	05/31/23	Revenue Journal	INTEREST EARNED MAY 2023	32.83
07-341-1000	INTEREST EARNINGS	06/30/23	Revenue Journal	INTEREST EARNED JUNE 2023	67.17
07-341-1000	INTEREST EARNINGS	07/31/23	Revenue Journal	INTEREST EARNED JULY 2023	10.61
07-341-1000	INTEREST EARNINGS	08/31/23	Revenue Journal	INTEREST EARNED AUGUST 2023	9.11
07-341-1000	INTEREST EARNINGS	09/30/23	Revenue Journal	INTEREST EARNED SEPTEMBER 2023	29.99
07-341-1000	INTEREST EARNINGS	10/31/23	Revenue Journal	INTEREST EARNED SEPTEMBER 2023	31.43
07-341-1000	INTEREST EARNINGS	11/30/23	Revenue Journal	INTEREST EARNED NOVEMBER 2023	29.69
07-364-1110	R.C.TAPPING FEES	01/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	02/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	03/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	04/03/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	05/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	06/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	06/28/23	Revenue Journal	TAP IN FEE 1712 E BOOT RD	2,000.00
07-364-1110	R.C.TAPPING FEES	06/28/23	Revenue Journal	SEWER INSPECTION FEE 1712 E BOOT RD	500.00
07-364-1110	R.C.TAPPING FEES	07/03/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	08/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	09/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	10/02/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	11/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1130	CONNECTION FEES - SEWER	01/27/23	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 12838	281.88
07-364-1130	CONNECTION FEES - SEWER	03/23/23	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 12839	281.88
07-380-1000	MISCELLANEOUS REVENUE	01/27/23	Revenue Journal	PINE ROCK INTEREST PORTION - STOFFLET	141.12
07-380-1000	MISCELLANEOUS REVENUE	03/23/23	Revenue Journal	PINE ROCK INTEREST PORTION - PAPPANO	141.12
07-392-0500	TRANSFER FROM SEWER OPERATING	01/20/23	Revenue Journal	XFER TO 07 FROM 05 RE: MA EXPENSES	3,384.75
07-392-0500	TRANSFER FROM SEWER OPERATING	01/30/23	Revenue Journal	XFER \$ TO MA07 FROM 05-SEWER	14,572.43
07-392-0500	TRANSFER FROM SEWER OPERATING	01/31/23	Revenue Journal	XFER \$ FROM 05 TO 07 RE: MA EXPENSES	3,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	02/17/23	Revenue Journal	XFER TO 07 FROM 05 RE: EXPENSES	36,455.37
07-392-0500	TRANSFER FROM SEWER OPERATING	02/23/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	2,877.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/22/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	715.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/23/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	880.25
07-392-0500	TRANSFER FROM SEWER OPERATING	03/24/23	Revenue Journal	XFER TO 07 FROM 05 RE: EXPENSES	6,738.25
07-392-0500	TRANSFER FROM SEWER OPERATING	03/29/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	8,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/31/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	8,944.84
07-392-0500	TRANSFER FROM SEWER OPERATING	04/17/23	Revenue Journal	FROM 05 SEWER OP TO 07 MA	4,992.75
07-392-0500	TRANSFER FROM SEWER OPERATING	05/10/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	707.00
07-392-0500	TRANSFER FROM SEWER OPERATING	05/10/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	5,627.50

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Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-392-0500	TRANSFER FROM SEWER OPERATING	06/08/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	1,253.25
07-392-0500	TRANSFER FROM SEWER OPERATING	06/30/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	10,398.41
07-392-0500	TRANSFER FROM SEWER OPERATING	07/13/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	1,041.00
07-392-0500	TRANSFER FROM SEWER OPERATING	08/08/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	60.00
07-392-0500	TRANSFER FROM SEWER OPERATING	08/24/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	5,040.00
07-392-0500	TRANSFER FROM SEWER OPERATING	09/27/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	10,343.79
07-392-0500	TRANSFER FROM SEWER OPERATING	10/11/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	104.00
07-392-0500	TRANSFER FROM SEWER OPERATING	10/13/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	17,834.75
07-392-0500	TRANSFER FROM SEWER OPERATING	10/17/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	16,542.00
07-392-0500	TRANSFER FROM SEWER OPERATING	10/18/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	15,755.75
07-392-0500	TRANSFER FROM SEWER OPERATING	11/07/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	8,612.50
07-392-0500	TRANSFER FROM SEWER OPERATING	11/27/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	1,047.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/12/23	Revenue Journal	XFER \$ FROM 09 TO 07 TO COVER CAP.EXP.	41,381.95
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/20/23	Revenue Journal	XFER TO 07 FROM 09 RE: MA EXPENSES	11,730.76
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/30/23	Revenue Journal	XFER \$ TO MA07 FROM 09- SEWER CAP	5,221.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/10/23	Revenue Journal	FROM 09 SEWER CAP RESERVE TO 07 MA	115,362.26
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/23/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	8,690.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/01/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	20,201.84
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/09/23	Revenue Journal	XFER \$ TO 07 FROM 09	1,264.96
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/22/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,961.86
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/24/23	Revenue Journal	XFER TO 07 FROM 09 RE: EXPENSES	11,080.96
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/29/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,221.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/05/23	Revenue Journal	XFER FROM 09 SEWER OP TO 07 MA	1,041.75
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/21/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	977.06
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/25/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,801.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/26/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	252.28
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/28/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	688.81
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/04/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,069.52
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/10/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,953.58
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/19/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	66,899.98
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/08/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	56,078.05
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/13/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	450.18
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/20/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	888.22
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/03/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	6,746.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/11/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	209.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/13/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	824.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/08/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	22.12
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/24/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,626.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/31/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	18,930.40
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	09/07/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	17,500.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	09/22/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,137.72

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Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	10/13/23	Revenue Journal	XFER FROM 09 SEWER OPERATING TO 07 MA	5,028.13
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	10/18/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	11,234.25
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	10/24/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,408.75
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	11/01/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	156.69
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	11/07/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	956.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	11/20/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,650.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	11/27/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	80,991.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	11/29/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,359.00
Total Revenue					708,804.05
07-424-1400	ADMINISTRATIVE WAGES	03/31/23	Pay Check: 3402	23-00878 QTR 1 2023 MA CHARGE BACK	8,944.84
07-424-1400	ADMINISTRATIVE WAGES	06/30/23	Pay Check: 3431	23-01745 QTR 2 2023 MA CHARGE BACK	10,398.41
07-424-1400	ADMINISTRATIVE WAGES	09/29/23	Expd	QTR 3 2023 MA CHARGE BACK	10,343.79
07-424-3000	MISCELLANEOUS EXPENSE	03/22/23	Pay Check: 3395	23-00707 2023 ANNUAL DAILY DISCHARGE CA	715.00
07-424-3000	MISCELLANEOUS EXPENSE	03/23/23	Expd	REIMBURSE 01 FOR 07 CC EXPENSE	880.25
07-424-3000	MISCELLANEOUS EXPENSE	08/08/23	Expd	REIMBURSE 01 FOR 07 CC EXPENSE	60.00
07-424-3000	MISCELLANEOUS EXPENSE	10/11/23	Pay Check: 3442	23-02597 GEN, SEWER, MUN AUTH CHECKS	104.00
07-424-3110	MUNIC.AUTH.-AUDITING	02/15/23	Pay Check: 3389	23-00406 PROGRESS BILLING EGT MUA123122	1,793.00
07-424-3110	MUNIC.AUTH.-AUDITING	03/29/23	Pay Check: 3401	23-00870 PROGRESS BILLING AUD EGT MUA	8,000.00
07-424-3110	MUNIC.AUTH.-AUDITING	05/10/23	Pay Check: 3417	23-01270 PROGRESS BILLING AUDIT EGT MUA	707.00
07-424-3130	ENGINEERING SERVICES	01/20/23	Pay Check: 3379	23-00111 SERV.THRU 12/18/22 GEN.SERV.22	3,384.75
07-424-3130	ENGINEERING SERVICES	02/23/23	Pay Check: 3392	23-00443 SERV THRU 011523 GEN SERVICES	2,294.00
07-424-3130	ENGINEERING SERVICES	03/24/23	Pay Check: 3399	23-00816 SERV THRU 021223 CHAPTER 94 RE	2,246.00
07-424-3130	ENGINEERING SERVICES	03/24/23	Pay Check: 3399	23-00815 SERV THRU 021223 GENERAL SERVI	3,482.75
07-424-3130	ENGINEERING SERVICES	04/17/23	Pay Check: 3406	23-01018 SERV THRU 031923 GENERAL SERVI	2,614.75
07-424-3130	ENGINEERING SERVICES	04/17/23	Pay Check: 3406	23-01019 SERV THRU 031923 CHAPTER 94 RE	1,654.50
07-424-3130	ENGINEERING SERVICES	05/10/23	Pay Check: 3420	23-01302 SERV THRU 041623 2023 GEN SERV	3,663.25
07-424-3130	ENGINEERING SERVICES	05/10/23	Pay Check: 3420	23-01303 SERV THRU 041623 2022 CHAPT 94	1,377.25
07-424-3130	ENGINEERING SERVICES	06/08/23	Pay Check: 3425	23-01576 SERV THRU 051423 2023 GEN SERV	1,253.25
07-424-3130	ENGINEERING SERVICES	07/13/23	Pay Check: 3435	23-01882 SERV THRU 061823 2023 GEN SERV	651.50
07-424-3130	ENGINEERING SERVICES	08/24/23	Pay Check: 3437	23-02177 SERV THRU 071623 2023 GEN SERV	2,900.00
07-424-3130	ENGINEERING SERVICES	10/18/23	Pay Check: 3447	23-02710 SERV THRU 091723 2023 GEN SERV	13,951.25
07-424-3130	ENGINEERING SERVICES	11/07/23	Pay Check: 3449	23-02855 SERV THRU 101523 2023 GEN SERV	8,612.50
07-424-3130	ENGINEERING SERVICES	11/27/23	Pay Check: 3453	23-02954 SERV THRU 111223 2023 GEN SERV	575.50
07-424-3140	LEGAL SERVICES	02/23/23	Pay Check: 3391	23-00442 LEGAL SERV. JAN 2023 GEN AUTH	583.00
07-424-3140	LEGAL SERVICES	03/24/23	Pay Check: 3398	23-00812 LEGAL SERV FEB 2023 GEN AUTHOR	389.50
07-424-3140	LEGAL SERVICES	03/24/23	Pay Check: 3398	23-00813 LEGAL SERV DEC 2022 GEN AUTHOR	620.00
07-424-3140	LEGAL SERVICES	04/17/23	Pay Check: 3405	23-01020 LEGAL SERV MARCH 2023 GEN AUTH	431.00
07-424-3140	LEGAL SERVICES	04/17/23	Pay Check: 3405	23-01017 LEGAL SERV FEB 2023 GEN AUTH	292.50
07-424-3140	LEGAL SERVICES	05/10/23	Pay Check: 3419	23-01304 LEGAL SERV APRIL 2023 GEN AUTH	587.00

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Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-424-3140	LEGAL SERVICES	07/13/23	Pay Check: 3434	23-01883 LEGAL SERV MAY 2023 GEN AUTH	389.50
07-424-3140	LEGAL SERVICES	08/24/23	Pay Check: 3436	23-02176 LEAL SERV JUNE 2023 GEN AUTH	348.50
07-424-3140	LEGAL SERVICES	08/24/23	Pay Check: 3436	23-02175 LEGAL SERV JULY 2023 GEN AUTH	1,791.50
07-424-3140	LEGAL SERVICES	10/18/23	Pay Check: 3446	23-02706 LEGAL SERV SEPT 2023 GEN AUTH	658.50
07-424-3140	LEGAL SERVICES	10/18/23	Pay Check: 3446	23-02705 LEGAL SERV AUG 2023 GEN AUTH	1,146.00
07-424-3140	LEGAL SERVICES	11/27/23	Pay Check: 3452	23-02953 LEGAL SERV OCT 2023 GEN AUTH	472.00
07-424-7490	CAP.REPLACEMENT R.C.	10/13/23	Pay Check: 3443	23-01990 RCSTP-REPLACEMENT MYERS PUMP	17,834.75
07-424-7490	CAP.REPLACEMENT R.C.	10/17/23	Pay Check: 3445	23-01869 10K0804 INLINE MUFFIN MONSTER	16,542.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	01/20/23	Pay Check: 3379	23-00110 SERV.THRU 12/18/22 HM EST SEWR	9,690.50
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	02/06/23	Pay Check: 3385	23-00331 STONE, AASHTO #57	550.12
07-429-1505	RCSTP CAPITAL	01/10/23	Pay Check: 3377	23-00030 CONDUITS, STRAPS, LOCKNUTS +	1,161.95
07-429-1505	RCSTP CAPITAL	01/10/23	Pay Check: 3378	23-00075 PULSAFEEDER - RCSPT CAUSTIC SO	40,220.00
07-429-1505	RCSTP CAPITAL	01/20/23	Pay Check: 3379	23-00109 SERV.THRU 12/18/22 RCSTP SODA	861.51
07-429-1505	RCSTP CAPITAL	01/20/23	Pay Check: 3379	23-00112 SERV.THRU 12/18/22 RCSTP UV	1,178.75
07-429-1505	RCSTP CAPITAL	01/27/23	Pay Check: 3380	23-00151 HELIFLOW 408 PD BLOWER	5,221.00
07-429-1505	RCSTP CAPITAL	02/06/23	Pay Check: 3384	23-00305 50HP 3540RPM BALDOR MOTOR	4,683.69
07-429-1505	RCSTP CAPITAL	03/24/23	Pay Check: 3399	23-00817 SERV THRU 021223 RCSTP CAU SOD	4,144.21
07-429-1505	RCSTP CAPITAL	03/29/23	Pay Check: 3400	23-00827 HELIFLOW 408 LHBD BLOWER	5,221.00
07-429-1505	RCSTP CAPITAL	06/08/23	Pay Check: 3422	23-01548 UV DISINFECTION SYS PYMT- 30%	40,495.80
07-429-1505	RCSTP CAPITAL	06/08/23	Pay Check: 3425	23-01575 SERV THRU 051423 RCSTP UV REPL	5,770.00
07-429-1505	RCSTP CAPITAL	06/08/23	Pay Check: 3425	23-01573 SERV THRU 051423 RCSTP CAU SOD	37.25
07-429-1505	RCSTP CAPITAL	07/13/23	Pay Check: 3435	23-01881 SERV THRU 061823 RCSTP CAU SOD	824.50
07-429-1505	RCSTP CAPITAL	08/24/23	Pay Check: 3437	23-02178 SERV THRU 060823 RCSTP UV REPL	5,626.50
07-429-1505	RCSTP CAPITAL	09/07/23	Pay Check: 3439	23-02333 PARTIAL PYMT RC GENERATOR SUPP	17,500.00
07-429-1505	RCSTP CAPITAL	09/22/23	Pay Check: 3440	23-02474 441T TWINTIER REBAR TYING TOOL	3,008.05
07-429-1505	RCSTP CAPITAL	09/22/23	Pay Check: 3440	23-02474 441T TWINTIER REBAR TYING TOOL	-30.08
07-429-1505	RCSTP CAPITAL	09/22/23	Pay Check: 3441	23-02452 ROD 1/2X20' UV PROJECT	159.75
07-429-1505	RCSTP CAPITAL	10/18/23	Pay Check: 3447	23-02709 SERV THRU 091723 RCSTP UV REPL	10,769.75
07-429-1505	RCSTP CAPITAL	10/24/23	Pay Check: 3448	23-02754 ADHESIVE DISPENSER& CARTRIDGES	1,408.75
07-429-1505	RCSTP CAPITAL	11/01/23	Pay Check: 701	23-02825 VARIOUS PURCHASES- SEE NOTES	156.69
07-429-1505	RCSTP CAPITAL	11/07/23	Pay Check: 3449	23-02854 SERV THRU 101523 RCSTP UV REPL	928.25
07-429-1505	RCSTP CAPITAL	11/20/23	Pay Check: 3450	23-02919 RCSTP-5/8" REBAR VARIOUS LENGT	1,650.00
07-429-1505	RCSTP CAPITAL	11/27/23	Pay Check: 3451	23-02952 UV DISINFECTION SYS PYMT- 60%	80,991.00
07-429-1505	RCSTP CAPITAL	11/29/23	Pay Check: 3454	23-02976 SWELLSTOP WATERSTOP, PRIMER	1,359.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00148	6,904.64
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00364	430.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00429	1,708.22
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00412	17,817.91
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00411	3,771.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00381	6,498.99
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00415	4,866.25

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Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00153	2,642.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00152	5,025.79
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/23/23	Pay Check: 3392	23-00444 SERV THRU 011523 HM ESTATES SW	8,690.50
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/28/23	Pay Check: 3393	23-00536 STONE, AASHTO #57 329.79 TON	8,244.78
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/28/23	Pay Check: 3393	23-00534 STONE, AASHTO #57 251.05 TON	6,276.27
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/28/23	Pay Check: 3393	23-00535 STONE, AASHTO #57 227.23 TON	5,680.79
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/09/23	Pay Check: 3394	23-00582 SPLIT COUPLERS	305.40
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/09/23	Pay Check: 3394	23-00581 SEWER HUB ADAPTERS,COUPLERS +	959.56
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/22/23	Pay Check: 3396	23-00723 36" MARMAC POLYSEAL COUPLER	803.20
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/22/23	Pay Check: 3397	23-00731 JOHN DEERE 550K RENTL 2/28-3/1	434.50
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/22/23	Pay Check: 3397	23-00730 JOHNDEERE 550K RENTL 2/23-2/24	724.16
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/24/23	Pay Check: 3399	23-00814 SERV THRU 021223 HM ESTATES SE	6,936.75
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	04/25/23	Pay Check: 3410	23-01141 SINGLE SIDED STRAW MAT,PINS	1,407.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	04/25/23	Pay Check: 3410	23-01141 SINGLE SIDED STRAW MAT,PINS	-14.07
07-429-1520	RCSTP - CAUSTIC SODA	04/05/23	Pay Check: 3403	23-00889 VARIOUS PURCHASES- SEE NOTES	215.75
07-429-1520	RCSTP - CAUSTIC SODA	04/05/23	Pay Check: 3404	23-00906 ROD 5/8 X 20 FT-CAUSTIC SODA	826.00
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check: 3407	23-01081 3" TWISTER CORE BITS	441.00
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check: 3407	23-01081 3" TWISTER CORE BITS	-4.41
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check: 3408	23-01056 GALV CAP, GFCI RCPT, GREY COVR	168.21
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check: 3408	23-01057 GALV CAP, STEEL CLAMPBACK	372.26
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check: 3409	23-01131 PVC CONDBY, DEV BOX, CTD CPLG	890.32
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check: 3411	23-01112 (30) BUSS FUSES	2,160.00
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check: 3411	23-01144 GALV BLCK CAP,COMPRESSION CPLG	286.08
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check: 3411	23-01128 IRON THRDED T BODY, SHEET STEE	72.17
07-429-1520	RCSTP - CAUSTIC SODA	04/26/23	Pay Check: 700	23-01151 CAUSTIC SODA-(2) HVY DUTY TARP	252.28
07-429-1520	RCSTP - CAUSTIC SODA	04/28/23	Pay Check: 3412	23-01177 BLINE SS CHANNEL SLOTTED HOLES	374.17
07-429-1520	RCSTP - CAUSTIC SODA	04/28/23	Pay Check: 3412	23-01176 EMT HW STRAP,MACH SCREW ANCHOR	233.47
07-429-1520	RCSTP - CAUSTIC SODA	04/28/23	Pay Check: 3412	23-01175 GALV RED CAP, COMM SWITCH,	81.17
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check: 3413	23-01225 PVC BELL END PIPE, PVC COUPLNG	2,574.00
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check: 3414	23-01227 10 YD CONCRETE 4500 PSI	1,930.00
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check: 3415	23-01219 (30) BLINE EMT-HW STRAP	83.82
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check: 3415	23-01212 OUTLET BOX, SS SWITCH,HW STRAP	481.70
07-429-1520	RCSTP - CAUSTIC SODA	05/10/23	Pay Check: 3416	23-01276 SCH 40 2" PIPE, 2" COUPLING	1,030.64
07-429-1520	RCSTP - CAUSTIC SODA	05/10/23	Pay Check: 3416	23-01275 CORP BALL STOP, SERVICE SADDLE	905.59
07-429-1520	RCSTP - CAUSTIC SODA	05/10/23	Pay Check: 3418	23-01295 TAYMAC GRY METAL INUSE COVER	17.35
07-429-1520	RCSTP - CAUSTIC SODA	06/08/23	Pay Check: 3423	23-01553 RC WWTP CHEMICAL STORAGE TANK	6,415.00
07-429-1520	RCSTP - CAUSTIC SODA	06/08/23	Pay Check: 3424	23-01554 RIDLEY CREEK-RAN CONDUIT	2,008.00
07-429-1520	RCSTP - CAUSTIC SODA	06/08/23	Pay Check: 3424	23-01555 RIDLEY CR-RAN CONDUIT FOR TANK	1,352.00
07-429-1520	RCSTP - CAUSTIC SODA	06/13/23	Pay Check: 3428	23-01617 BALL CORP STOP,BRASS THRD NIPL	450.18
07-429-1520	RCSTP - CAUSTIC SODA	06/20/23	Pay Check: 3429	23-01658 BRASS THREADED NIPPLE&COUPLING	57.22
07-429-1520	RCSTP - CAUSTIC SODA	06/20/23	Pay Check: 3430	23-01654 PULSAFEEDER TUBING & KOPKIT	831.00

Municipal Authority
YTD Revenues and Expenses thru 11/30/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1520	RCSTP - CAUSTIC SODA	07/03/23	Pay Check: 3432	23-01739 RC WWTP CHEMICAL STORAGE TANK	6,746.00
07-429-1520	RCSTP - CAUSTIC SODA	07/11/23	Pay Check: 3433	23-01860 GATE & POST- BLAST PRIMER	209.00
07-429-1520	RCSTP - CAUSTIC SODA	08/08/23	Expd	REIMBURSE 01 FOR 07 CC EXPENSE	22.12
07-429-1520	RCSTP - CAUSTIC SODA	08/31/23	Pay Check: 3438	23-02291 RC PIPING FOR CAUSTICSODA TANK	18,930.40
07-429-1520	RCSTP - CAUSTIC SODA	10/13/23	Pay Check: 3444	23-02664 HEATED SAFETY EYEWASH/SHOWER	5,028.13
07-429-1520	RCSTP - CAUSTIC SODA	10/18/23	Pay Check: 3447	23-02707 SERV THRU 091723 RCSTP CAU SOD	464.50
07-429-1520	RCSTP - CAUSTIC SODA	11/07/23	Pay Check: 3449	23-02853 SERV THRU 101523 RCSTP CAU SOD	27.75
07-429-6100	WEST GOSHEN CAPITAL	02/06/23	Pay Check: 3383	23-00366 WWPS PYMT LAST INSTALLMENT	115,362.26
07-429-6100	WEST GOSHEN CAPITAL	06/12/23	Pay Check: 3426	23-01363 2022 WG SEWER AUTH BOND FUND E	19,143.34
07-429-6100	WEST GOSHEN CAPITAL	06/12/23	Pay Check: 3427	23-01364 2022 WG SEWER AUTH TAPPING FEE	47,756.64
Total Expense					704,589.98
Net Operating					4,214.07

BOARD OF SUPERVISORS

EAST GOSHEN TOWNSHIP

CHESTER COUNTY

1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

Date: December 6, 2023

To: Municipal Authority

From: Mark Miller, Director of Public Works

RE: New Lift Station Pump Purchase

On November 29, 2023, we pulled the three pumps at the lift station to check the impellers and general condition as part of our regular preventative maintenance. After looking at the pumps, I would like to make the following recommendations:

1. We purchase a new lift station pump in the amount of **\$33,647.00 (quote attached)**
 2. Once the new pump is received, we need to start pulling the other pumps out to be rebuilt. The rebuild costs will be approximately **\$8,500 to \$12,000 per pump.**
- **PUMP P11: 10,299.1 hours**
 - **PUMP P12: 9,975.2 hours**
 - **PUMP P13: 12,259 hours**



**Xylem Water Solutions USA, Inc.
Flygt Products**

December 4, 2023

2330 Yellow Springs Rd
Malvern, PA 19355
Tel 610/408-6500
Fax 610/647-5563

EAST GOSHEN TOWNSHIP
WEST CHEST PA 19380

Quote # 2023-MAL-1547
Project Name: East Goshen - 2023
Job Name: Ridley Creek WWTP Influent PS

Attn: Mark Miller
Xylem Water Solutions USA, Inc. is pleased to provide a quote for the following Flygt equipment.

Co-Stars Contract # 016-E23-311

3171.095-0016 Replacement				
Qty	Part Number	Description	Unit Price	Extended Price
1	3171.095-0016	Flygt Model NP-3171.095 6" volute Submersible pump equipped with a 460 Volt / 3 phase / 60 Hz 30 HP 1750 RPM motor, 434 impeller, 1 x 50 Ft. length of SUBCAB 4G25+S(2x0,5) submersible cable, FLS leakage detector, volute is prepared for Flush Valve	\$ 30,147.00	\$ 30,147.00
1	14-69 98 30N	SHIPPING AND HANDLING-NO TAX	\$ 3,500.00	\$ 3,500.00
Total Price				\$ 33,647.00

Terms & Conditions

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between the parties.

Purchase Orders: Please make purchase orders out to: Xylem Water Solutions USA, Inc.

Freight Terms: 3 DAP - Delivered At Place 08 - Jobsite (per IncoTerms 2020)
See Freight Payment (Delivery Terms) below.

Taxes: State, local and other applicable taxes are not included in this quotation.

Back Charges: Buyer shall not make purchases nor shall Buyer incur any labor that would result in a back charge to Seller without prior written consent of an authorized employee of Seller.

Shortages: Xylem will not be responsible for apparent shipment shortages or damages incurred in shipment that are not reported within two weeks from delivery to the



jobsite. Damages should be noted on the receiving slip and the truck driver advised of the damages. Please contact our office as soon as possible to report damages or shortages so that replacement items can be shipped and the appropriate claims made.

Terms of Delivery: PP/Add Order Position

Terms of Payment: 100% N30 after invoice date.

Xylem's payment shall not be dependent upon Purchaser being paid by any third party unless Owner denies payment due to reasons solely attributable to items related to the equipment being provided by FLYGT.

Validity:

This Quote is valid for thirty (30) days.

Please note that this pricing is valid for 30 days and contingent upon final approval of submittals and release to fabrication by (within 90 days of bid date).

This quotation is subject to change if any changes to the specifications or plans are made that alter the scope of supply.

Schedule:

Shipment lead times are approximately 5-6 weeks after order acceptance.

COVID 19:

Delivery lead-times may be impacted by the current COVID-19 virus pandemic relative to transportation logistics.

Sincerely,



AJ Wilson
Sales Representative
Phone: 610-408-6515
Cell: 610-314-6856
aj.wilson@xylem.com



Emily Cooper
Customer Service
Phone: 610-408-6503

emily.cooper@xylem.com





Customer Acceptance

This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at <http://www.xylem.com/en-us/Pages/terms-conditions-of-sale.aspx> and incorporated herein by reference and made a part of the agreement between the parties.

A signed copy of this Quote is acceptable as a binding contract.

Purchase Orders: Please make purchase orders out to: Xylem Water Solutions USA, Inc.

Quote #: 2023-MAL-1547
Customer Name: EAST GOSHEN TOWNSHIP
Job Name: Ridley Creek WWTP Influent PS
Total Amount: \$ 33,647.00
(excluding freight)

Signature: _____	Name: _____ (PLEASE PRINT)
Company/Utility: _____	PO: _____
Address: _____	Date: _____
_____	Phone: _____
_____	Email: _____
_____	Fax: _____





December 8, 2023

EGMAU23001P

East Goshen Municipal Authority

Attn: Mark Miller, Public Works Director
1580 Paoli Pike
West Chester, PA 19380

**RE: Proposal for Chester Creek Interceptor Inspection and Repair
East Goshen Township, Pennsylvania**

Dear Mr. Miller:

Pennoni Associates Inc. (Pennoni) is pleased to submit the following proposal to the East Goshen Municipal Authority for construction services for the inspection and repair of the Chester Creek Interceptor in East Goshen Township.

Background

East Goshen Township televised pipes along a portion of the Chester Creek Interceptor on January 26-27, 2023. Pennoni provided a sanitary sewer inspection summary, dated March 28, 2023, based on the results of the televised pipes. It was recommended that approximately 360 LF of existing pipe be lined with cured-in-place pipe lining, two pipes be pipe grouted, four manholes be pressure grouted, asphalt/debris be removed from one pipe, and one lateral be replaced to address the leaks, infiltration, and blockages discovered in the pipe videos. In addition, it was recommended that the downstream 4,900 LF of pipe along the Chester Creek Interceptor be televised to assess the condition of the interceptor to determine if additional repairs to the system are necessary. We prepared bid documents and conducted the bidding process, and construction award was made. The project is under construction, and we have been performing construction phase services as requested, consisting of pre-construction coordination, conducting the pre-construction meeting, reviewing construction material submittals, and reviewing initial videos of a portion of the downstream interceptor that has already been televised by the contractor.

All work to-date has been performed under our 2023 General Engineering task. However, that task is approaching budget, and capital projects are not intended to be performed under that task. Therefore, the purpose of this proposal is to create a separate task order to fund the remainder of engineering for the project through a separate capital project.

The scope of this proposal is to provide construction phase support services for the remainder of construction.

Scope of Services

Pennoni will provide construction engineering support as requested, which is expected to include: review of inspection videos of the remainder of the contracted interceptor extents, recommendations for any additional repairs, coordination with the contractor and Township for pricing and budget feasibility for any such repairs, additional construction submittal reviews, part-time inspection of rehabilitation work including cured-in-place pipe lining, review of post-construction videos, processing of pay applications, review of prevailing wage certifications, and processing of project closeout.

We are estimating 80 hours of on-site construction inspection and 24 hours of engineering office support for the remainder of construction within this proposal.

Deliverables

We will provide recommendations for any further repairs based on review of inspection videos along with payment application recommendation letters.

Schedule

Performance of services will be conducted based on the contractor's construction schedule.

Fee

We will perform the Scope of Services on a Time and Materials basis at the hourly rates to be billed at the Authority's approved rates for Pennoni for the calendar year in which work is performed for an estimated fee not to exceed **Twelve Thousand Dollars (\$12,000.00)** without prior approval of the Authority.

Billing and Payment


Invoices will be submitted monthly. Payment is due within 30 days of invoicing.

Thank you for the opportunity to provide our professional services to East Goshen Municipal Authority. If you wish to discuss any of the above, please do not hesitate to contact Mike Ellis at 302-351-5236 or mellis@pennoni.com.

If this proposal is acceptable, please execute by signing and returning a copy to this office to serve as our Notice to Proceed.

Sincerely,

PENNONI ASSOCIATES INC.



Michael J. Ellis, PE
Authority Engineer

ACCEPTED BY:

Written Name:

East Goshen Municipal Authority

DATE:



December 8, 2023

EGMAU23001P

East Goshen Municipal Authority

Attn: Mark Miller, Public Works Director
1580 Paoli Pike
West Chester, PA 19380

**RE: Proposal for RCSTP Generator 2 Replacement
East Goshen Township, Pennsylvania**

Dear Mr. Miller:

Pennoni Associates Inc. (Pennoni) is pleased to submit the following proposal to the East Goshen Municipal Authority for construction phase services and remaining design services for the proposed replacement of the existing emergency generator "Generator 2" at the Ridley Creek Sewage Treatment Plant (RCSTP).

Background

The RCSTP contains two emergency generators on-site. Generator 1 was replaced in 2019. Generator 2 is a 500 KW / 625KVA diesel-fueled Cummins generator. This generator was installed as part of the 2008-2009 expansion and is due for replacement.

We have already performed sizing analysis for the Generator 2 replacement, obtained quotes, and assisted with acquisition of the generator and automatic transfer switch. We also evaluated concept alternatives for siting and constructability of the replacement generator, performed multiple site visits, and initiated preparation of plans. All work to-date has been performed under our 2023 General Engineering task. However, that task is approaching budget, and capital projects are not intended to be performed under that task. Therefore, the purpose of this proposal is to create a separate task order to fund the remainder of engineering for the project through a separate capital project.

The scope of this proposal is to finalize design and plans including associated electric work, new/expanded concrete pad, construction sequence to maintain backup power during construction to maximum extent practical, and other limited plan information needed for the Township Public Works Department to perform construction. It also includes limited construction phase support.

Scope of Services

Pennoni will provide the following professional engineering services:

- Prepare a design for the selected generator layout based on electrical requirements and existing site conditions.
- Prepare a construction plan set consisting of a cover sheet, demolition and site plan, electrical plan, erosion and sediment (E&S) control plan, E&S details and notes, and construction details and notes including concrete pad.
- Prepare a structural design for a new or expanded concrete pad for the generator.
- Prepare electrical design for the installation of the new generator and any associated equipment.
- Provide construction engineering support as requested.

We assume that no permitting will be required, and that Public Works will perform the construction so bid documents and cost estimates are not needed.

Deliverables

Deliverables consist of a construction plan set.

Schedule

Performance of services will commence upon receipt of Notice to Proceed (NTP). We anticipate final construction plans will be provided approximately eight weeks after NTP.

Fee

We will perform the Scope of Services on a Time and Materials basis at the hourly rates to be billed at the Authority's approved rates for Pennoni for the calendar year in which work is performed for an estimated fee not to exceed **Fifteen Thousand Dollars (\$15,000.00)** without prior approval of the Authority.

Billing and Payment

Invoices will be submitted monthly. Payment is due within 30 days of invoicing.

Thank you for the opportunity to provide our professional services to East Goshen Municipal Authority. If you wish to discuss any of the above, please do not hesitate to contact Mike Ellis at 302-351-5236 or mellis@pennoni.com.

If this proposal is acceptable, please execute by signing and returning a copy to this office to serve as our Notice to Proceed.

Sincerely,

PENNONI ASSOCIATES INC.



Michael J. Ellis, PE
Associate Vice President

ACCEPTED BY:

Written Name:

East Goshen Municipal Authority

DATE:

From: [Michael Ellis](#)
To: [Derek Davis](#); [Mark Miller](#); [David Ware](#)
Cc: [Lynn Werkheiser](#); [Nathan M. Cline](#)
Subject: 2024 EGT & EGMA Annual Services
Date: Monday, November 20, 2023 4:10:29 PM
Attachments: [ATT00001.png](#)
[2024 EG Annual Services Ltr.pdf](#)

Hi Derek, Mark, and Dave,

Please find attached our annual services and rates letter for 2024 for the Township and MA.

As previously communicated, the rates reflect an average 2.2% increase due to inflationary conditions (vs 3.2% Federal COLA for 2024) and salary pressures to retain our experienced and talented staff to ensure continued provision of high quality service to the Township and MA.

Please do not hesitate to call Nate or me if you have any comments or questions.

Thank you!
Mike

Michael Ellis, PE

Municipal Division Manager

Pennoni

121 Continental Drive, Suite 207 | Newark, DE 19713

Direct: +1 302-351-5236 | **Mobile:** +1 302-561-4235

www.pennoni.com | MEllis@Pennoni.com



[Watch Now: I-95 CAP Groundbreaking!](#)



November 20, 2023

East Goshen Township

Attn: Derek Davis, Township Manager
1580 Paoli Pike
West Chester, PA 19380

**RE: Fee Schedule for Year 2024
East Goshen Township and East Goshen Municipal Authority**

Dear Derek:

Pennoni is proud to serve East Goshen Township and East Goshen Municipal Authority, and we look forward to working with you again in 2024.

Our rates for 2024 for Township and Authority Engineering services are listed below for the categories of staff that most frequently provide services to the Township and Authority. The rates reflect an average increase of 2.2%, which is below the 2024 federal cost of living adjustment (COLA) of 3.2%.

Authority/Township Engineer.....	\$153/hr
Senior Professional.....	\$148/hr
Project Professional	\$131/hr
Staff Professional	\$120/hr
Associate Professional.....	\$113/hr
Senior Engineering Technician.....	\$109/hr
Graduate Professional.....	\$104/hr
Engineering Technician	\$92/hr

We will continue to provide services to the Township and Authority as requested.

For typical general engineering services to the Authority, we recommend budgeting the following under the expectation of a similar level of effort in 2024 as in 2023. Similar to previous years, we will establish separate accounts for each activity listed below, and each activity will be invoiced separately.

- General Consultation and monthly meetings.....\$43,000
 - Chapter 94 reports.....\$9,000
- TOTAL\$52,000

Other Authority capital projects outside of general services, as requested, will be proposed separately, such as the following project that is planned for 2024:

- Chester Creek Interceptor Phase 2 and Supplee Valley Sewer Rehabilitation

We thank you again for the confidence you have placed in Pennoni over the years and look forward to continuing to serve you in the future!

Sincerely,
PENNONI ASSOCIATES INC.


Michael J. Ellis, PE
Associate Vice President


Nathan M. Cline, PE
Associate Vice President



December 7, 2023

Mr. Mark Miller, Director of Public Work
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380-6199

Subject: Professional Services for Ridley Creek STP O&M

Mr. Miller:

Big Fish Environmental Services, Inc. has successfully provided the operation and maintenance services for the Ridley Creek Sewage Treatment plant since 2012. I have been involved with the facility's construction beginning in 2009. During this tenure, the fees were last increased at the beginning of January 2016. I request that the Township increase the base fee from \$8,823.63 to \$11,512.84 and adjust the hourly fee for sludge dewatering and mechanical services from \$58.82 to \$68.00. The wastewater industry is very competitive in obtaining qualified plant operators within an industry at an attrition rate higher than the rate of those entering the industry. This fee increase is directly related to increasing the compensation for the lead Plant Operator, Matthew Mullin, Jr. Mathew is a licensed PA DEP licensed WW Operator and possesses a degree in mechanical engineering from the University of Delaware. The remaining increase is to assist with operations assistance provided by Walton Water Services.

The increase is comparable to an annual increase of 3%. In comparison, the previous increase was based on the local CPI. Using CPI as a basis for an increase, the proposed fee would be nearly \$17,000. I feel that the proposed annual base fee of \$11,512.84 and new hourly rate of \$65/hour is reasonable.

I look forward to continuing to service the Township and provide professional services for the RCTP O&M.

Kind regards,

Scott A. Towler

Scott A. Towler, PE, LO

Memo

To: Municipal Authority
From: Dave Ware
Re: 2024 Proposed Budget for the MA
Date: December 7, 2023

Gentlemen,

I wanted to share the 2024 Proposed Municipal Authority Budget with you all, as well as the 2024 Adopted Budget for Sewer Operating Fund and Sewer Capital Reserve Fund.

I anticipate nearly \$1.0M of expenses in 2024 to fund additional relining, Chester Creek Interceptor Project (Phase 1 and Phase 2), Supplee Valley relining, replacement generator, replacement pumps at RCSTP, and upgrades to the Hershey Mill Pump Station. Also included in the ARPA Fund budget is over \$100K to offset the cost of the Caustic Soda and UV Replacement Projects.

Without adjusting sewer rates next July the Sewer Operating Fund is expected to have nearly a \$200K balance reduction, and the Sewer Capital Reserve Fund a nearly \$500K balance reduction. That's nearly \$700K needed from Reserves and the Operating Fund. The 5 Year Capital Plan for EGT Sewer Capital Maintenance is included. Looking at the recent costs of relining and televising, we should be putting \$260K per year into the Sewer Capital Reserve Fund as opposed to the \$130K we currently transfer. We will maximize balances through PLGIT Prime interest Rates and possibly short-term notes after continued review of interest rate projections. I applied for \$350K to offset our costs anticipated for Supplee Valley and the Chester Creek Interceptor.

I hope this provides some clarity to the figures shared in the 2024 MA Budget. I will begin updating the 10-year Sewer Plan as we begin the new year in preparation for a sewer rate increase proposal. As always, please call or email with any questions.

Sincerely,



Dave Ware
Director of Finance
East Goshen Township

2024-2028 Capital Improvement Program



EGT Sewer Capital Maintenance (RC STP & Pump Stations)

Category	2024	2025	2026	2027	2028
Hunt Country/HM Lift Station Pump Replacement		\$ 20,000	\$ 20,000		
Hunt Country P/S Mag Meter		\$ 15,000			
Hunt Country P/S Muffin Monster		\$ 67,000			
Hunt Country P/S Bypass Pump		\$ 2,000			
Relining AC sewer lines and brick manholes	\$ 130,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 130,000
Ridley Creek STP rebuild 2 SBR pumps	\$ 16,000				
Ridley Creek STP rebuild 2 Sludge pumps	\$ 7,500				
Ridley Creek STP replace generator	\$ 225,000				
Ridley Creek STP Filter Feed Pump**		\$ 30,000	\$ 20,000	\$ 20,000	\$ 20,000
Ridley Creek STP Blower Replacement	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000
Chester Creek Coll manhole lining (?) for 5 manholes	\$ 50,000				
Chester Creek Coll HM Pumpstation upgrade	\$ 85,000				
Chester Creek Interceptor Phase 2/Supplee Valley Re-lining	\$ 366,964	\$ 315,000			
Chester Creek Coll Muffin Monster swap out		\$ 22,000		\$ 22,000	
Total	\$ 892,464	\$ 613,000	\$ 182,000	\$ 184,000	\$ 162,000
Category	2024	2025	2026	2027	2028
Capital Reserve Fund					
Sewer Capital Reserve Fund	\$ 892,464	\$ 613,000	\$ 182,000	\$ 184,000	\$ 162,000
Grants					
Series 2017 Bonds					
Infrastructure Sustainability Fund					
Total	\$ 892,464	\$ 613,000	\$ 182,000	\$ 184,000	\$ 162,000

- Ongoing maintenance and pump station upgrades per RCSTP Asset Depreciation inventory and staff recommendation.
- Replacement generator needed in 2024.
- Proactive Chester Creek Interceptor inspection & cleaning; Phase 1 in 2023, Phase 2 in 2024; Supplee Valley re-lining. Staff will seek grant funds to offset sewer capital fund contribution.

Account Title	Acct #	2021 Actual	2022 Actual	2023 Budget	2023 Projection	2024 PROPOSED Budget	\$ Increase (vs '23 Proj)	% Increase	vs. 23 Budget
MUNICIPAL AUTHORITY, PROPOSED 2024 BUDGET									
ESTIMATED BEGINNING FUND BALANCE		6,372	11,619	5,171	5,171	5,171			
REVENUE									
INTEREST EARNINGS	07341 1000	3	7	-	290	-	(290)	-100.0%	-
INTEREST EARNED - CONSTRUCTION	07341 1020	-	-	-	-	-	-		-
DCED GRANT	07354 0400	-	-	152,980	-	-	-		(152,980)
C.C. TAPPING FEES	07364 1100	2,060	2,300	2,300	2,300	2,300	-	0.0%	-
R.C.TAPPING FEES	07364 1110	11,508	2,089	2,000	8,574	8,574	-	0.0%	6,574
CONNECTION FEES - SEWER	07364 1130	3,368	564	1,000	1,128	1,128	-	0.0%	128
MISCELLANEOUS REVENUE (PINE ROCK)	07380 1000	2,664	282	282	564	564	-	0.0%	282
TRANSFER FROM GENERAL ACCT	07392 0100	-	-	-	-	-	-		-
TRANSFER FROM SEWER OPERATING	07392 0500	90,338	90,979	100,000	117,764	109,517	(8,247)	-7.0%	9,517
TRANSFER FROM SEWER CAP RESV	07392 0501	-	-	-	-	-	-		-
TRANSFER FROM SEWER CAP RESERVE	07392 0900	179,592	286,657	1,471,553	635,907	837,464	201,557	31.7%	(634,089)
TOTAL REVENUE		289,534	382,879	1,730,115	766,527	959,547	193,020	25.2%	(770,568)
EXPENSES									
ADMINISTRATIVE WAGES	07424 1400	30,920	33,488	32,055	38,687	39,847	1,161	3.0%	7,792
MISCELLANEOUS EXPENSE	07424 3000	1,693	1,665	1,749	3,191	3,286	96	3.0%	1,538
MUNIC.AUTH.-AUDITING	07424 3110	10,000	10,250	10,815	21,000	21,630	630	3.0%	10,815
ENGINEERING SERVICES	07424 3130	55,389	42,469	47,250	47,250	48,668	1,418	3.0%	1,418
LEGAL SERVICES	07424 3140	9,194	6,640	8,400	8,400	8,652	252	3.0%	252
R.C. CAPITAL-STP	07424 7440	-	-	355,793	-	-	-		(355,793)
CAP.REPLACEMENT R.C.	07424 7490	(10,985)	-	488,847	-	310,500	310,500		(178,347)
HERSHEY MILL STATION - ENGINEER	07426 1000	-	-	-	-	-	-		-
TALLMADGE DRIVE	07426 3000	-	-	-	-	-	-		-
RELINING	07426 3001	-	-	260,000	260,000	-	(260,000)	-100.0%	(260,000)
RESERVOIR PUMP STATION - ENGINEER	07428 1000	-	-	-	-	-	-		-
BARKWAY PUMP STATION CAPITAL	07429 1501	5,117	2,215	-	-	-	-		-
ASHBRIDGE PUMP STATION CAPITAL	07429 1502	30,324	11,493	-	-	-	-		-
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503	76,693	153,399	78,000	78,000	85,000	7,000	9.0%	7,000
HUNT CO PUMP STATION CAPITAL	07429 1504	8,277	1,870	-	-	-	-		-
RCSTP CAPITAL	07429 1505	67,251	125,837	260,000	260,000	366,964	106,964	41.1%	106,964
WEST GOSHEN CAPITAL	07429 6100	-	-	187,206	50,000	75,000	25,000	50.0%	(112,206)
Bank Fees	07491 5001	414	-	-	-	-	-		-
TRANSFER TO GENERAL FUND	07492 0100	-	-	-	-	-	-		-
TOTAL EXPENSES		284,287	389,327	1,730,115	766,527	959,547	193,020	25.2%	(770,568)
NET RESULT FROM OPERATIONS		5,247	(6,448)	0	(0)	0	1		0
ESTIMATED ENDING FUND BALANCE		11,619	5,171	5,172	5,171	5,171			

Account Title	Acct #	2021 Actual	2022 Actual	2023 Budget	2023 Projection	2024 PROPOSED Budget	\$ Increase (vs '23 Proj)	% Increase	vs. 23 Budget
SEWER OPERATING FUND, PROPOSED 2024 BUDGET									
ESTIMATED BEGINNING FUND BALANCE		1,000,248	1,021,129	1,158,670	1,158,670	971,770			
REVENUE									
INTEREST EARNINGS	05341 1000	418	7,664	12,000	35,191	30,000	(5,191)	-14.8%	18,000
REVENUE - SEWER FEES	05364 1000	3,546,858	3,749,490	4,148,573	3,895,183	3,895,183	-	0.0%	(253,390)
REVENUE - SEWER PENALTIES	05364 1010	28,773	34,559	45,076	27,476	27,476	-	0.0%	(17,600)
REVENUE - LIEN PAYMENTS	05364 1025	72,133	52,830	69,614	19,678	19,678	-	0.0%	(49,936)
REVENUE - SEWER CERTIFICATION FEES	05364 1030	2,380	4,270	4,000	2,173	2,173	-	0.0%	(1,827)
REVENUE - WG CONVEYANCE FEE	05364 1040	15,935	22,649	20,935	54,571	54,571	-	0.0%	33,636
ADMIN.COST FROM WESTTOWN	05364 1060	4,827	2,896	4,827	4,713	4,713	-	0.0%	(113)
O&M FEES FOR BARKWAY PUMP STATION	05364 1070	21,625	12,562	21,625	22,666	22,666	-	0.0%	1,041
O&M FEES FOR ASHBRIDGE PUMP STATION	05364 1080	1,807	-	1,807	4,867	4,867	-	0.0%	3,059
MISCELLANEOUS SEWER REVENUE	05380 1000	181	-	-	-	-	-	-	-
SEWER INSURANCE CLAIMS	05391 2000	8,845	-	-	-	-	-	-	-
TOTAL REVENUE		3,703,781	3,886,920	4,328,456	4,066,518	4,061,327	(5,191)	-0.1%	(267,129)
CHESTER CREEK EXPENSES									
C.C. METERS -WAGES	05420 1400	12,891	14,175	19,169	2,043	2,104	61	3.0%	(17,064)
C.C. INTERCEPTOR - WAGES	05420 1401	5,204	16,865	3,985	21,942	22,600	658	3.0%	18,615
C.C. COLLECTION - WAGES	05420 1402	38,874	28,629	40,637	35,151	36,205	1,055	3.0%	(4,432)
C.C. COLLECTION - WAGES - I&I	05420 1404	13,297	1,282	2,015	-	-	-	-	(2,015)
ASHBRIDGE WAGES	05420 1405	13,531	11,284	12,844	8,427	8,680	253	3.0%	(4,164)
MILL VALLEY - WAGES	05420 1406	7,584	10,925	22,762	7,968	8,207	239	3.0%	(14,555)
C.C. METERS -VEHICLE OPER.	05420 2510	9,406	10,286	7,199	1,304	1,343	39	3.0%	(5,856)
C.C. INTERCPT-VEHICLE OPER	05420 2511	2,318	13,750	3,649	15,923	16,401	478	3.0%	12,752
C.C. COLLEC.-VEHICLE OPER.	05420 2512	23,191	16,508	14,741	37,309	38,428	1,119	3.0%	23,688
C.C. COLLECT.-VEH OPER - I&I	05420 2514	6,547	778	817	-	-	-	-	(817)
ASHBRIDGE - VEHICLE OPER	05420 2515	5,428	5,917	3,684	5,792	5,965	174	3.0%	2,281
MILL VALLEY - VEHICLE OPER	05420 2516	3,270	5,991	17,224	5,358	5,518	161	3.0%	(11,706)
C.C. METERS - UTILITIES	05420 3600	121	125	135	107	110	3	3.0%	(25)
C.C. INTERCEPTOR-UTILITIES	05420 3601	1,345	1,442	1,377	1,554	1,601	47	3.0%	224
C.C. COLLECTION -UTILITIES	05420 3602	6,885	8,741	6,949	8,785	9,048	264	3.0%	2,099
ASHBRIDGE - UTILITIES	05420 3603	5,991	6,492	7,172	6,362	6,553	191	3.0%	(619)
MILL VAL./BARKWAY UTILITIES	05420 3604	3,695	4,449	3,900	4,231	4,358	127	3.0%	458
C.C. METERS-MAINT.& REPRS.	05420 3700	3,732	13,616	11,176	6,388	6,580	192	3.0%	(4,596)
C.C. INTERCEPT.-MAINT.&REP	05420 3701	5,432	12,902	3,142	4,540	4,676	136	3.0%	1,535
C.C. COLLEC.-MAINT.& REPR.	05420 3702	64,812	41,160	118,968	139,082	50,000	(89,082)	-64.1%	(68,968)
C.C. INTERCEPT.-MAINT & REP - I&I	05420 3703	3,843	5,499	5,774	4,824	4,969	145	3.0%	(805)
C.C. COLLECT.-MAINT & REP - I&I	05420 3704	15,083	7,844	8,237	8,782	9,045	263	3.0%	808
ASHBRIDGE-MAINT.&REPR	05420 3705	5,084	19,203	16,188	267	9,275	9,008	3378.0%	(6,914)
BARKWAY -MAINT.& REPR.	05420 3706	2,204	525	1,409	133	137	4	3.0%	(1,271)
C.C. WEST GOSHEN OPER/MAINT	05420 3850	608,660	539,224	700,000	985,655	992,000	6,345	0.6%	292,000
TOTAL CHESTER CREEK EXPENSES		868,427	797,613	1,033,152	1,311,926	1,243,804	(68,121)	-5.2%	210,652

Account Title	Acct #	2021 Actual	2022 Actual	2023 Budget	2023 Projection	2024 PROPOSED Budget	\$ Increase (vs '23 Proj)	% Increase	vs. 23 Budget
RIDLEY CREEK EXPENSES									
R.C. STP- WAGES	05422 1400	11,501	49,539	20,696	66,857	68,862	2,006	3.0%	48,166
R.C. COLLEC.- WAGES	05422 1401	84,660	33,001	60,000	54,940	56,589	1,648	3.0%	(3,411)
R.C. COLLECTIONS WAGES I&I	05422 1402	8,198	10,326	7,223	-	-	-		(7,223)
R.C. STP- CHEMICALS	05422 2440	109,686	123,321	116,295	108,635	111,894	3,259	3.0%	(4,401)
R.C. COLLEC.-CHEMICALS	05422 2441	-	-	-	7,356	7,577	221	3.0%	7,577
R.C. STP-VEHICLE OPER.	05422 2510	3,372	45,071	5,918	61,240	63,078	1,837	3.0%	57,160
R.C. COLLEC-VEHICLE OPER.	05422 2511	49,686	17,514	14,802	15,505	15,970	465	3.0%	1,167
R.C. COLLECT.-VEH OPERATING - I&I	05422 2512	4,222	7,545	3,631	-	-	-		(3,631)
R.C. STP-MINOR EQUIP.	05422 2600	2,127	-	-	-	15,600	15,600		15,600
R.C. STP -UTILITIES	05422 3600	99,795	90,915	121,961	89,636	92,325	2,689	3.0%	(29,636)
R.C. COLLEC.-UTILITIES	05422 3601	7,533	7,259	8,239	5,777	5,950	173	3.0%	(2,289)
R.C. STP-MAINT.& REPAIRS	05422 3700	93,876	100,546	143,381	82,874	85,360	2,486	3.0%	(58,020)
R.C. COLLEC.-MAINT.& REPR	05422 3701	72,762	57,922	62,172	46,073	47,455	1,382	3.0%	(14,717)
R.C. COLLECTION-MAINT. & REP I&I	05422 3702	6,438	32,078	28,941	30,959	31,888	929	3.0%	2,946
RCSTP - APPLEBROOK	05422 3703				9,393	9,675			
R.C. STP-CONTRACTED SERV.	05422 4500	192,074	214,511	221,578	204,914	211,062	6,147	3.0%	(10,516)
R.C. SLUDGE-LAND CHESTER	05422 4502	43,070	44,208	43,971	52,681	54,262	1,580	3.0%	10,291
TOTAL RIDLEY CREEK EXPENSES		789,000	833,754	858,809	836,840	877,545	40,423	4.8%	18,737

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ADMINISTRATION									
MISCELLANEOUS EXPENSE	05424 2700	182	182	201	243	250	7	3.0%	49
ADMIN.- WAGES	05429 1400	86,208	114,216	89,220	84,468	87,002	2,534	3.0%	(2,217)
PA ONE CALL - WAGES	05429 1401	1,723	6,801	3,424	8,904	9,171	267	3.0%	5,748
PA ONE CALL - VEH OPER	05429 2501		2,180		8,473	8,727			8,727
ADMIN.-COMPUTER EXPENSES	05429 2600	-	-	6,388	-	-	-		(6,388)
ADMIN.-GENERAL EXPENSE	05429 3000	36,162	37,811	1,029	1,274	1,312	38	3.0%	282
ADMIN.-PAYMENT PORTAL	05429 3001	6,891	7,661	5,431	7,585	7,812	228	3.0%	2,382
ADMIN.- PROFESSIONAL SERV	05429 3100	1,965	2,000	2,065	2,619	2,698	79	3.0%	633
ADMIN - LEGAL	05429 3140	4,616	675	3,530	1,249	1,287	37	3.0%	(2,243)
ADMIN.- POSTAGE	05429 3250	4,726	5,175	5,053	5,322	5,482	160	3.0%	429
ADMIN. - PRINTING	05429 3400	722	2,061	1,731	1,945	2,003	58	3.0%	272
ADMIN.- INSURANCE	05429 3500	33,963	32,611	26,901	46,454	47,847	1,394	3.0%	20,947
ADMIN.-BLDG.OVERHEAD	05429 3730	58,801	65,814	88,760	88,760	91,423	2,663	3.0%	2,663
CONTR. SERV. SUMMIT HOUSE	05429 4500	349,320	369,000	385,125	385,125	396,679	11,554	3.0%	11,554
CONTR. SERV. CIDER KNOLL	05429 4510	78,720	59,040	86,789	86,789	89,392	2,604	3.0%	2,604
CONTR. SERV. MALVERN INSTITUTE	05429 4520	7,446	7,949	10,732	10,732	11,054	322	3.0%	322
LOCK BOX FEE	05429 5000	-	-	3,859	-	-	-		(3,859)
Bank Fees	05429 5001	1,311	1,495	1,380	1,380	1,380			-
DVRFA--PRINCIPAL PMT ON \$9,500,000	05471 7220	389,000	405,000	421,000	421,000	438,000	17,000	4.0%	17,000
DVRFA - PRINCIPAL ON DIVERSION LOAN	05471 7240	114,000	117,000	121,000	121,000	125,000	4,000	3.3%	4,000
SERIES 2017 GO BONDS - PRINCIPAL	05471 7250	120,000	125,000	130,000	130,000	135,000	5,000	3.8%	5,000
DVRFA - INTEREST ON \$9,500,000 LOAN	05472 7220	223,839	208,118	191,763	191,763	174,755	(17,008)	-8.9%	(17,008)
DVRFA - INTEREST ON DIVERSION LOAN	05472 7240	53,952	50,453	47,778	47,778	44,089	(3,689)	-7.7%	(3,689)
SERIES 2017 GO BONDS - INTEREST	05472 7250	71,589	66,789	61,789	61,789	59,189	(2,600)	-4.2%	(2,600)
TRANSFER TO MUNIC AUTHORITY	05492 0700	90,338	90,979	100,000	100,000	100,000	-	0.0%	-
TRANSFER TO BOND FUND - SEWER	05492 0805		50,000						-
TRANSFER TO SEWER CAPITAL RESERVE	05492 0900	290,000	290,000	800,706	290,000	290,000	-	0.0%	(510,706)
TOTAL ADMINISTRATIVE EXPENSES		2,025,473	2,118,013	2,595,652	2,104,652	2,129,553	24,647	1.2%	(466,099)
TOTAL SEWER EXPENSES		3,682,900	3,749,379	4,487,612	4,253,418	4,250,903	(3,051)	-0.1%	(236,710)
NET RESULT FROM OPERATIONS		20,881	137,541	(159,156)	(186,900)	(189,575)	(2,676)		(30,419)
ESTIMATED ENDING FUND BALANCE		1,021,129	1,158,670	999,513	971,770	782,194			

Account Title	Acct #	2021 Actual	2022 Actual	2023 Budget	2023 Projection	2024 PROPOSED Budget	\$ Increase (vs '23 Proj)	% Increase	vs. 23 Budget
SEWER CAPITAL RESERVE FUND, PROPOSED 2024 BUDGET									
ESTIMATED BEGINNING FUND BALANCE		2,250,329	2,361,152	2,384,772	2,384,772	2,130,452			
REVENUE									
INTEREST EARNINGS	09341 1000	830	28,246	22,500	91,588	85,870	(5,717)	-6.2%	63,370
TRFR FROM SEWER OP FOR SEWER CAP RESRV	09342 0500	290,000	290,000	800,706	290,000	290,000	-	0.0%	(510,706)
TRANSFER FROM SEWER CAP RESERVE	09392 0300	-	-	-	-	-	-		-
TRANSFER FROM MUNICIPAL FUND	09392 0700	-	-	-	-	-	-		-
TOTAL REVENUE		290,830	318,246	823,206	381,588	375,870	(5,717)	-1.5%	(447,336)
EXPENSES									
MACHINERY/EQUIPMENT - REPLACEMENT	09429 7400	-	7,969	-	-	-	-		-
MACHINERY/EQUIPMENT - NEW	09429 7450	-	-	-	-	-	-		-
Bank Fees	09491 5001	414	-	-	-	-	-		-
TRANSFER TO MUNIC AUTHORITY	09492 0700	179,592	286,657	1,471,553	635,907	837,464	201,557	31.7%	(634,089)
TOTAL EXPENSES		180,006	294,626	1,471,553	635,907	837,464	201,557	31.7%	(634,089)
NET RESULT FROM OPERATIONS		110,823	23,620	(648,347)	(254,320)	(461,594)	(207,274)		186,753
ESTIMATED ENDING FUND BALANCE		2,361,152	2,384,772	1,736,425	2,130,452	1,668,859			