

# EAST GOSHEN MUNICIPAL AUTHORITY

May 13, 2024

7:00

- **CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE**

- Ask if anyone will be taping the meeting

- **CHAIRMAN'S REPORT/OTHER MEMBERS' REPORTS**

- **SEWER REPORTS**

- Director of Public Work's Report
- Pennoni Engineer's Report
- Big Fish Environmental Report

- **APPROVAL OF MINUTES**

- April 8, 2024

- **APPROVAL OF INVOICES**

<b>Company</b>	<b>Invoice #</b>	<b>Amount</b>	<b>Paid?</b>
Pennoni	1221069	\$123.00	
Pennoni	1221070	\$1,571.25	
Pennoni	1221071	\$4,015.50	
Pennoni	1221072	\$1,509.50	
Zook's Concrete Pumping	1537	\$575.00	yes
CB Dombach & Son	4179	\$800.00	yes
Gawthrop Greenwood	288540	\$431.00	yes
Gawthrop Greenwood	290046	\$475.50	

- **LIAISON REPORTS**

- **FINANCIAL REPORTS**

- April 2024

- **OLD BUSINESS**

- Director of Finance Response to Maillie 2023 Financial Statements Audit (audit report follows response)
- EGMA Sewer Rate Increase Request
  1. Draft Request from Dana Pizarro to Board of Supervisors
  2. Memo from Dave Ware to Board of Supervisors: 10-Year Analysis of Projected Total Sewer Fund Balance
  3. Sewer Operating Fund Analysis of \$30/Qtr Rate Increase if Implemented Q3 2024
  4. Asbestos Cement Pipe Map

- **2024 Goals:**

<b>Goal</b>	<b>Status</b>
Ridley Creek plant compliance	January through April were in compliance with PADEP permit requirements.
Continue to implement infiltration and inflow for the sewer system	Chester Creek Interceptor pipe grouting and cured-in-place pipe lining - completed.
RCSTP UV Disinfection System Construction Completion	The UV replacement is up and running.
Municipal Authority representative to attend West Goshen MA meetings. West Goshen MA meets 1 <sup>st</sup> Wed of each month at 6pm at the West Goshen Township Building.	Attend meetings on quarterly basis.
Long-term sustainability	Continue development of 10-year sustainability plan and study sewer rates annually. Currently under development with completion by May.
Caustic soda functionality	Completed.
Study sewer line expansion	

- **NEW BUSINESS**
- **CAPACITY REQUESTS**
- **ANY OTHER MATTER**
- **CORRESPONDENCE AND REPORTS OF INTEREST**
- **PUBLIC COMMENT**
- **ADJOURNMENT**

**EAST GOSHEN MUNICIPAL AUTHORITY**  
**EAST GOSHEN TOWNSHIP**  
1680 PAOLI PIKE, WEST CHESTER, PA 19380-6199  
610-692-7171

Date: May 13, 2024  
To: Municipal Authority  
From: Mark Miller  
Re: Monthly Report

**Monthly Flows:** The average daily flow to West Goshen was 900,234 per day.

**Meters:**

- Were read on a daily basis
- Weather stations reported the wettest month ever.

**C.C. Collection:**

- All pump stations were visited on a daily basis. Routine maintenance was performed with no problems to report.
- We repaired a broken lateral on Reservoir Rd.
- Restoration work was completed on the laterals we repaired last month.

**C.C. Interceptor:**

- The contractor was out last week to complete the work on the interceptor line.

**R.C. Collection:**

- The two pump stations were visited on a daily basis with no problems to report.

**Ridley Creek Plant:**

- The plant operator and Public Works shut down the temporary UV system and started using the reconstructed UV chamber. The operator made arrangements with the lab to pick up samples to check the UV treatment.
- We had a problem on May 3<sup>rd</sup> with the influent screen which caused the line to back up into the meter chamber. The operator pulled the muffin monster and found that the bottom end was worn out. The operator also determined that the screen was worn and will need to be replaced.
  - We called JWC about the muffin monster parts; however, the unit cannot be rebuilt so I ordered a replacement unit. The cost will be **\$27,691.00** and delivery is 4 to 6 weeks.

- On May 6<sup>th</sup> we utilized a vac truck to clean the pipe between the screen building and the meter pit to remove the grit and other debris. I advised the operator to schedule the installation of the new brush for the screen and I will send two guys to assist in the replacement.
- We need Pennoni or Lenni to figure out the power spikes. We have counters on the power units, but they only give a count of the spikes. What we need is a graph that shows the normal power and the surge, with date and time of the surge.

**Alarms:** 7

**PA One Calls:** 114

**Monthly Rainfall:** 5.65"

**Lateral Repairs or Caps:** 4





## EAST GOSHEN MUNICIPAL AUTHORITY ENGINEER'S REPORT

May 9, 2024

### Ridley Creek Sewage Treatment Plant (RCSTP)

- **Caustic Soda Conversion** – We were informed by Mark Miller that the tank's outside insulation is again pulling away from the tank in some locations. We contacted the supplier, Pyrz, to alert them of this issue on April 5. They were in contact with Mark in early May to discuss a site visit and repairs, but they have not yet provided a definitive schedule to do so.

The outdoor emergency shower was installed. On April 11, the tank was filled and put into operation. We provided chemical feed pump rates to the operator for system startup.

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

- **UV Disinfection System** – When installing the first UV module into the permanent channel on April 8, it was discovered that the width of the channel was too narrow due to two coats of parging applied to the walls, the chamfer at the top of the concrete wall creates an open strip that allows UV light to escape, and the top module compartment utilizes Glasco's latest design, which is shorter than the previous design.

On April 9, Public Works grinded away the additional parging on the channel wall to reduce the width of the channel.

To remedy the open strip that allows UV light to escape and to account for Glasco's latest design, Glasco is fabricating a shroud and vertical guides at no extra cost. Pennoni reviewed and returned the shroud and vertical guide submittals to Glasco on April 22. As of May 8, fabrication of the shrouds and vertical guides are anticipated to be ready for delivery by May 17.

As a temporary solution while the shrouds and vertical guides are being fabricated, Zimmerman installed plywood around the UV module to act as the shroud in order to allow the permanent system to go online.

The first UV module for the permanent system was put online April 24, and the temporary bypass system was put offline, but it remains in place in case flow needs to be diverted back into it. After sampling from the two week trial of the first permanent UV module comes back within the permitted discharge limits, the second permanent UV module will be installed. The jib crane is expected to be installed around that same time also. The temporary system will then be fully disassembled, and the temporary channel will be returned to Glasco.

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 – January 23, 2024*
  - *Two Week Trial and Sampling of Temporary Bypass System – completed February 9, 2024*
  - *Township to Perform Concrete Channel Work – completed late-March 2024 (end of initial curing)*
  - *2nd Notice to Proceed to Contractors: Permanent Work – Mid-March 2024*
  - *Redirect Flow back to Permanent Channel ( $\pm 30$  days of 2nd NTP) – April 24, 2024*
  - *Two Week Trial of New UV System in Permanent Channel – April 24 -May 8, 2024*
  - *Install Second UV Module into Permanent Channel – Mid-Late May, 2024*
  - *Two Week Trial of Second New UV System in Permanent Channel – Late May to Early June, 2024*
  - *Construction Completed – Early-Mid June 2024*
- **Generator #2 Replacement** – Public Works has constructed the concrete pad expansion for the generator, and the generator was delivered to the RCSTP on April 8. Electrical work and setting of the generator on the concrete pad is being scheduled with Lenni.

- **Influent BOD Loadings** – As requested by the Municipal Authority at the April MA meeting, Pennoni evaluated the influent BOD loadings for January to March 2024 as compared to the influent BOD concentrations in 2023. See the attached tables for the BOD loading data for January to March 2024 and for all months in 2023. It was observed that the influent daily BOD concentrations were unusually high in March 2024, with the daily average concentration being about 420 mg/L. The 2023 daily average influent BOD concentration was about 275 mg/L, and about 270 mg/L for January and February 2024.

## Sanitary Sewer Pipe Rehab

- **Chester Creek Sewer Rehab** – As of April 30, the Contractor, Insituform, is substantially complete all work. We received the pre and post videos of the pipe relining work on May 8 and are currently reviewing the videos. It initially appears that punchlist work is required in the segment of pipe that was pipe lined to clean up the rough lateral reinstatements. We will coordinate with the Contractor accordingly.
- **Supplee Valley Pipe Lining** – The next sewer rehabilitation project is planned to be installation of cured-in-place pipe liners in the remaining un-lined sewers in Supplee Valley. The sewers have been televised. Public Works will provide the videos to Pennoni for review, and we will then prepare a bid document. The goal is to construct this work by the end of 2024.

## New Connections

- **Millstone Meadows (1010 Hershey Mill Road)** – The Chester County Conservation District questioned portions of the proposed sanitary sewer main routing in their review of the project plans to avoid proposed stormwater features. We are coordinating with the design consultant to revise accordingly to the extent feasible.
- **301 Reservoir Road (5-Lot Residential Subdivision)** – We received a revised Land Development Plan submission that is currently being reviewed.
- **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** – We prepared the Sewage Facilities Planning Mailer and submitted it to the design consultant, who stated that they submitted it to PADEP on March 5. However, the design consultant contacted the Township on April 15 to inquire about the PADEP submission status. We followed up with the design consultant to confirm that they did actually submit the Sewage Facilities Planning Mailer on March 5, but we have not yet received a response.

END OF REPORT

Organic Loading Sampling Data				
	A	B	C = A x B x 8.34	
Date of Sample	BOD <sub>5</sub> (mg/L)	Flow (MGD)	Daily BOD <sub>5</sub> (lbs/day)	Monthly Average (lbs/day)
1/2/2024	385	0.452	1,451	
1/9/2024	396	0.696	2,299	
1/16/2024	134	0.457	511	
1/23/2024	245	0.339	693	
1/30/2024	138	0.424	488	1,088
2/6/2024	110	0.319	293	
2/13/2024	339	0.450	1,272	
2/20/2024	370	0.357	1,101	
2/27/2024				888
3/5/2024	380	0.405	1,284	
3/12/2024	375	0.408	1,276	
3/19/2024	543	0.394	1,782	
3/26/2024	375	0.500	1,564	1,476



Table 2				
Organic Loading Sampling Data				
	A	B	C = A x B x 8.34	
Date of Sample	BOD <sub>5</sub> (mg/L)	Flow (MGD)	Daily BOD <sub>5</sub> (lbs/day)	Monthly Average (lbs/day)
1/3/2023	247	0.417	858	
1/10/2023	229	0.478	913	
1/17/2023	186	0.377	585	
1/24/2023	112	0.419	391	
1/31/2023	218	0.448	815	713
2/7/2023	254	0.389	824	
2/14/2023	275	0.414	949	
2/21/2023	296	0.425	1,050	
2/28/2023	319	0.419	1,114	984
3/7/2023	270	0.396	893	
3/14/2023	220	0.475	872	
3/21/2023	235	0.434	851	
3/28/2023	320	0.405	1,080	924
4/4/2023	258	0.412	886	
4/11/2023	331	0.394	1,089	
4/18/2023	271	0.359	812	
4/25/2023	240	0.363	726	878
5/2/2023	234	0.374	729	
5/9/2023	245	0.307	626	
5/16/2023	350	0.367	1,072	
5/23/2023	334	0.405	1,128	889
6/6/2023	285	0.390	926	
6/12/2023	304	0.402	1,019	
6/20/2023	339	0.360	1,019	
6/27/2023	252	0.419	881	961
7/5/2023	302	0.408	1,028	
7/11/2023	242	0.349	705	
7/18/2023	329	0.394	1,081	
7/25/2023	134	0.463	517	833
8/1/2023	206	0.357	612	
8/8/2023	190	0.371	588	
8/15/2023	182	0.317	480	
8/22/2023	285	0.394	936	
8/29/2023	211	0.356	626	649

Table 2				
Organic Loading Sampling Data				
	A	B	C = A x B x 8.34	
Date of Sample	BOD <sub>5</sub> (mg/L)	Flow (MGD)	Daily BOD <sub>5</sub> (lbs/day)	Monthly Average (lbs/day)
9/6/2023	215	0.360	645	
9/12/2023	241	0.362	727	
9/19/2023	246	0.343	704	
9/26/2023	615	0.409	2,097	1,043
10/3/2023	679	0.370	2,098	
10/10/2023	299	0.374	932	
10/17/2023	181	0.382	576	
10/26/2023	220	0.354	649	
10/31/2023	321	0.339	907	1,032
11/7/2023	495	0.386	1,592	
11/14/2023	741	0.370	2,289	
11/21/2023	659	0.480	2,638	
11/28/2023	794	0.384	2,542	2,265
12/5/2023	609	0.435	2,211	
12/14/2023	367	0.394	1,207	
12/22/2023	338	0.396	1,116	
12/26/2023	287	0.481	1,150	1,421
				1,158



**Executive Summary**

The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water quality for March 2024. All supplemental reports have been submitted for March 2024. The plant is anticipated to comply with the discharge effluent limitations for April. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminum sulfate solution volumes increased to an average of 84.7 gallons from the previous standard of 77.7 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 two odor complaints during the month. This is due to the rapid increase in temperatures and the residual left in SBR 1 after using it as an overflow tank during high-flow events. Measures have been taken to empty the tank and mitigate any further odor concerns

**Table 1**

APRIL 2024- Final Effluent - Outfall 001																
NPDES Permit Discharge Limitations	Flow	CBOD5		Total Nitrogen		TSS		NH4-N		Total Phosphorus		Fecal Coliform		Ultraviolet light Intensity	Copper, Total	Zinc, Total
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean			
	Average	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																
April 2, 2024	0.933	2.0	15.6	5.19	40.4	4.0	31.1	0.10	0.78	0.10	0.78	1	0.0000	NS		
April 9, 2024	0.446	2.7	10.0	6.82	25.4	6.5	24.2	0.10	0.37	0.19	0.71	1	0.0000	NS	0.003	0.04
April 16, 2024	0.449	3.7	13.9	6.43	24.1	6.8	25.5	0.10	0.37	0.10	0.37	1	0.0000	NS	NS	NS
April 23, 2024	0.451	9.0	33.9	8.34	31.4	8.0	30.1	0.10	0.38	0.11	0.41	1	0.0000	NS	NS	NS
Average	0.570	4.4	18.3	6.70	30.3	6.3	27.7	0.10	0.48	0.13	0.57	1		NA	NA	NA
Minimum	0.446	2.0	10.0	5.19	24.1	4.0	24.2	0.10	0.37	0.10	0.37	1		NA	NA	NA

**Treatment Process Operation**

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for April 2024. The monthly average total phosphorus was reported as 0.13 mg/L compared to the permit limitation of 0.50 mg/L. The TSS samples consistently showed single digits. The results remain below the weekly maximum of 15 mg/L. The monthly average TSS is reported as 6.3 mg/L compared to the 10 mg/L discharge limitation.

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

There was no discharge to Applebrook Golf Course (Outfall 002) for April.

Table 2 presents the pollutant data for the influent wastewater collected at the doghouse manhole during April 2024.

**Table 2**

<b>APRIL 2024 - Influent Wastewater</b>													
Design Basis	Flow	BOD5		CBOD5		TSS		NH4-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													
April 2, 2024	0.617	199	1,024	176	906	172	885	26.7	137	49.7	256	4.8	24.8
April 9, 2024	0.4680	233	909	197	769	243	948	21.8	85	42.1	164	5.9	22.9
April 16, 2024	0.4080	407	1,385	306	1,041	430	1,463	24.5	83	53.4	182	6.38	21.7
April 23, 2024	0.444	288	1,066	270	1,000	388	1,437	29	109	55.5	206	7	24.1
Average	0.484	282	1,096	237	929	308	1,183	25.6	104	50.2	202	5.90	23.4
Minimum	0.408	199	909	176.0	769	172	885	21.8	83	42.1	164	4.82	21.7
Maximum	0.617	407	1,385	306	1,041	430	1,463	29.4	137	55.5	256	6.52	24.8

**PA DEP**

No activity

**Pennoni Associates**

The UV system replacement project continues.

**Significant Rainfall**

During April, there were ten (11) days when rainfall occurred. Significant events occurred on the following dates:

(4/2) 0.86"

(4/3) 1.42"

(4/4) 1.55"

Total Rainfall for April was 4.89 inches.

## Chemical Data

April 2024		
Chemical	Daily Average	Total Monthly
Soda Ash, pounds*	226	7,000
Aluminum Sulfate solution, gal	84.7	2,540
Sludge Dewatering, gal**	19,847	408,177

\*21 days of sludge dewatering

\*\* Caustic was slowly put on-line, therefore decreasing daily soda ash consumption to 0 soda ash per day

There was a decrease of 118,816 gallons of sludge dewatering during the month of April as compared to March.

### 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.

### Major Repairs or Upgrades

4/22 The Gorman Rupp backwash pump on disk filter #2 was replaced.

4/24 UV system was put online for trial run in new channel.

Throughout April SBRs were slowly switched to caustic individually.

### Upcoming Repairs or Upgrades

-once the trial run is complete with the UV system, the second light will be placed into the permanent channel

-Lenni will move the UV control panel to its permanent spot

-Zimmerman will install the jib crane over the UV channel and disassemble the remaining pieces of the temporary bypass channel.



**Flow Data**

<b>April 2024</b>			
<b>Flow Meter Location</b>	<b>Total Volume for Month, MG</b>	<b>Average Daily Flow, gpd</b>	<b>Daily Maximum Flow, gpd</b>
Influent Wastewater to Screening Building	13.567	452,230	714,680
Influent Wastewater to SBRs	16.102	536,730	1,168,688
Internal Recycle	2.535	81,774	454,008
Treated Effluent to Disc Filters	15.518	517,257	977,080
Final Effluent Discharge	14.479	483,000	933,000
Applebrook Golf Course	No Discharge	No Discharge	No Discharge

The plant hydraulic design loading is 745,000 gpd.

There were 2 high-flow events during April due to rain. They occurred on April 2<sup>nd</sup> and 3<sup>rd</sup>.

**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**April 8, 2024**

The East Goshen Township Municipal Authority held their regular meeting on Monday, April 8, 2024 at 7:00 pm. at the Township Building.

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

**Dana Pizarro, Chairman**

Walter Wujcik, Vice Chairman

**Jack Yahraes**

**Carmen Battavio**

**Kevin Cummings**

Also in attendance were: **Mark Miller (Director of Public Works), Mike Ellis (Pennoni representative), Michele Truitt (Supervisor), Dave Ware (Finance Director) and Patrick McKenna (Attorney).**

**COMMON ACRONYMS:**

*ATS – Automatic Transfer Switch*

*BFES – Big Fish Environmental Services*

*BOS – Board of Supervisors*

*CB – Conservancy Board*

*DEP – Department of Environmental Protection*

*EPA – Environmental protection Agency*

*HC – Historical Commission*

*I&I – Inflow & Infiltration*

*LCSTP – Lockwood Chase Sewer Treatment Plant*

*PWD – Public Works Department*

*MA- Municipal Authority*

*NPDES – National Pollutant Discharge Elimination System*

*PC – Planning Commission*

*PM – Prevention Maintenance*

*PR – Park & Recreation Board*

*RCSTP – Ridley Creek Sewer Treatment Plant*

*SBR – Sequencing Batch Reactor*

*SSO – Sanitary System Overflow*

*WAS – Waste Activated Sludge*

**Call to Order & Pledge of Allegiance**

Dana called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance.

Dana asked for a moment of silence for our men and women serving in the Military at home and abroad, and EMTs and first responders.

Dana asked if anyone would be recording the meeting. There was no response.

**Chairman’s Report/Other Members Report**

Dana reported about the ABC meeting and reviewed the goals he presented.

West Goshen Sewer Authority – Michele attended the meeting. They expect for have the punchlist done in May and then set up a new punchlist. The first meeting in May they will give a tour of the pump station. Michele will attend. They reported that the pump has a 1 year warranty and hasn’t been used yet but the year is almost done. Carmen explained that he never had a problem with warranties. They actually start when the pump is turned on.

**SEWER REPORTS**

**1. Director of Public Works, Mark Miller’s report for April 8, 2023.**

1  
2 **Monthly Flows** – The average daily flow to West Goshen was 878,047 gallons per day.

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4 **Meters:** The meters were read on a daily basis. Weather stations reported the wettest month ever.

5  
6 **C.C. Collection:**

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- All pump stations were visited on a daily basis with no problems to report.
  - We were very busy doing lateral repairs.
  - Pipe Data was utilized to clean and televise 20,000Lf of some of our low areas.
  - We located some holes and half a dozen laterals that we have to go back to look at.

12 **C.C. Interceptor:**

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- Nothing to report at time of agenda printing.

15 **R.C. Collection:**

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- The two pump stations were visited on a daily basis with no real problems to report.

18 **I&I Work:**

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- The PWD worked for over a week plugging lines and checking for inflow. Several manholes were found to be leaking.

22 **Ridley Creek Plant**

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- Minor repair work done on as-needed basis.
  - The guys did a good job on the UV system channel.
  - The outside shower is in service.
  - The spare lift station pump that we ordered arrived last week.

28 **Alarms:** 14, all caused by power outages

29  
30 **PA 1 Calls:** Mark responded to an average of 15 calls per day.

31  
32 **Monthly Rainfall:** 6.80”

33  
34 **Lateral Repairs or Caps:**

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- We currently get notified by residents if they have a sewer problem. The theory was that if we could, we would go out to plunge the line and clear the blockage. I would like to explain some recent issues that have happened over the last month and would really like to get your input going forward.

41 **2. Pennoni Engineer’s Report dated April 4, 2024**

42 ***Ridley Creek Sewage Treatment Plant (RCSTP)***

- 43  
44
- **Caustic Soda Conversion** – No activity by Pennoni since our last report. Once the outdoor emergency shower is installed, the tank can be put into operation.

1 We previously prepared a draft O&M Manual for the system that was submitted to the  
2 Township and operator for review. We will set up a meeting to review once the system is  
3 ready for operation so that the Manual can be finalized.

- 4 • **UV Disinfection System** –The temporary bypass system remains active.

5 Public Works performed construction to raise the concrete walls of the UV channel. Concrete  
6 was poured on February 29. Zimmerman completed installation of the finger weir and one  
7 permanent UV module in the permanent channel on March 29. Redirection of flow into the  
8 permanent channel and start-up of that UV module was scheduled for April 3, but it has been  
9 tentatively pushed back to April 8 while awaiting missing module eye shields from Glasco.  
10 The vendor will be on site for the startup and will bring the missing eye shields as well as  
11 shorter cables that were not previously provided.

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

- 13 ○ *Delivery of Permanent UV Equipment – October 30, 2023*
- 14 ○ *Delivery of Bypass Pumps and Hoses – Week of November 13, 2023*
- 15 ○ *Initiate Temporary Bypass Work – Mid-November 2023*
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19 *curing)*
- 20 ○ *2nd Notice to Proceed to Contractors: Permanent Work – Mid-March 2024*
- 21 ○ Redirect Flow back to Permanent Channel (±30 days of 2nd NTP) – April 8, 2024
- 22 ○ Two Week Trial of New UV System in Permanent Channel – April 8-22, 2024
- 23 ○ Install Second UV Module into Permanent Channel – April 23, 2024
- 24 ○ Two Week Trial of Second New UV System in Permanent Channel – April 23-May 7, 2024
- 25 ○ Construction Completed – Mid-May 2024

26 Zimmerman drilled additional test holes in the CMU walls on March 29 to confirm the  
27 frequency of the grout and determine the size of the CMU blocks. Every other cell has grout  
28 and the blocks are 16” wide by 12” deep. With this information, our structural department  
29 designed an amended mounting system for the jib crane accordingly. The design has been  
30 provided to Zimmerman to order materials and for installation. The jib crane will be installed  
31 after the permanent channel is operational.

- 32 • **Generator #2 Replacement** – Premium Power Services released the Cummins’ 500 kW  
33 diesel generator for fabrication in early March 2023. The generator is scheduled to be  
34 delivered to the RCSTP on April 8, with electrical work to follow.

35 We prepared electrical design and structural concrete pad plans for the new generator for use  
36 by the Township in construction. It is our understanding that the concrete slab was  
37 subsequently constructed by Public Works.

## 38 ***Sanitary Sewer Pipe Rehab***

- 39 • **Chester Creek Sewer Rehab** – The Contractor, Insituform, has completed all work with the  
40 exception of grouting one lateral connection, one manhole with infiltration that was identified  
41 during construction, and installing manhole-to-manhole cured-in-place pipe lining for one  
42 sewer run. They are performing lateral grouting on April 4 and cured-in-place pipe lining on

1 April 5. The manhole grouting will be scheduled thereafter.

## 2 ***New Connections***

- 3 • Millstone Meadows (1010 Hershey Mill Road) – No activity by Pennoni since our last report.
- 4 • 301 Reservoir Road (5-Lot Residential Subdivision) – No activity by Pennoni since our last  
5 report. We previously reviewed a revised Land Development Plan submission and provided  
6 comments to the design consultant, including comments on the proposed sanitary sewer  
7 extension alignment and other sewer design aspects. We are awaiting a resubmission.
- 8 • 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was  
9 previously installed, but we are not aware that the grinder pump has been installed.
- 10 • 14 Reservoir Road – No activity by Pennoni since our last report. We prepared the Sewage  
11 Facilities Planning Mailer and submitted it to the Design Consultant, who then submitted it to  
12 PADEP on March 5.

## 13 ***Chapter 94 Reports***

- 14 • We completed the 2023 reports for the Ridley Creek, West Goshen (Chester Creek), and  
15 Westtown systems. We submitted the Ridley Creek report directly to PADEP via their  
16 OnBase system on March 29, and we submitted the Chester Creek and Westtown Tributary  
17 reports to West Goshen Township and Westtown Township respectively on March 25. East  
18 Goshen’s existing and projected treatment and conveyance needs for all three systems are all  
19 well within available and permitted capacities.

20 A summary of the RCSTP and West Goshen reports follows:

- 21 • RCSTP:
  - 22 ○ The RCSTP’s average influent flow was 404,000 gpd in 2023, which is slightly less  
23 than the flow from 2022. Flows remain well within the 750,000 gpd permitted average  
24 capacity of the plant. The 2023 flows are equivalent to 201 gpd/EDU, which is less  
25 than the Township’s planning flow rate of 225 gpd/EDU. See Table 1 in the RCSTP  
26 Chapter 94 Report for a tabulation of 5-year flow history.
  - 27 ○ The projected future 5-year average and maximum monthly flows to the RCSTP are  
28 460,000 gpd and 519,000 gpd, which is below the permitted capacity of the plant.  
29 Refer to the attached Chart 1 excerpt for a graph of the 5-year historical and 5-year  
30 projected flows.
  - 31 ○ The RCSTP’s average organic loading was 915 lbs BOD<sub>5</sub>/day in 2023, which is  
32 slightly less than the loading in 2022. Organic loadings remain well within the 2,098  
33 lbs/day permitted capacity. See Table 3 in the RCSTP Chapter 94 Report for a  
34 tabulation of 5-year organic loading history.
  - 35 ○ The 5-year projected average and maximum monthly organic loading to the plant is  
36 924 lbs BOD<sub>5</sub>/day and 1,246 lbs BOD<sub>5</sub>/day, which is well within the permitted  
37 capacity. Refer to the attached Chart 2 excerpt for a graph of the 5-year historical and  
38 5-year projected organic loadings.

- The Hershey’s Mill and Hunt Country Pump Stations operated within their permitted hydraulic capacities in 2023, and they are projected to continue to do so in the future due to little to no projected upstream connections. See Table 8 in the RCSTP Chapter 94 Report for a summary of 2023 pump station flows versus capacities.

- West Goshen Service Area:

- East Goshen’s average daily flow was 688,000 gpd in 2023, which is an increase of 9.6% from 2022 and 8.0% from 2021. The actual flow rate in 2023 was 194 gpd/EDU, which is well under the planning flow rate of 225 gpd/EDU. This likely due to the ongoing success of the Township’s aggressive I&I elimination program. See Table 1 in the West Goshen Chapter 94 Report for a tabulation of 5-year flow history.
- The projected future 5-year average and maximum monthly flows to West Goshen are 687,000 gpd and 785,000 gpd, which is well within the intermunicipal capacity of 1 MGD. Refer to the attached Chart 1 excerpt for a graph of the 5-year historical and 5-year projected flows.
- The Barkway and Ashbridge Pump Stations operated within their permitted hydraulic capacities in 2023 and are projected to continue to do so. See Table 8 in the West Goshen Chapter 94 Report for a summary of 2023 pump station flows versus capacities.

### **3. Big Fish Environmental Services –**

The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water quality for March 2024. All supplemental reports were submitted for the March 2024. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminum sulfate solution volumes decreased slightly to a daily average of 77.7 gpd from the previous standard of 79.1 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.

#### **Capacity Requests**

1338 Morstein Rd - There will be a total of 16 lots, 3 in East Goshen at the end of the cul-de-sac. Mike explained that 90% of the pipe would go to the West Whiteland system. He spoke with the West Whiteland engineer and feels that West Whiteland would be in charge. The rates that the East Goshen lots would pay were discussed. Carmen mentioned that all East Goshen residents pay the same rate.

Chris Coleman (West Whiteland resident) stated that he is a current West Whiteland resident next to this property. Last week the current residents attended the West Whiteland meeting, but he is representing the current residents at this meeting. They are on public sewer but private water. Carmen recommended that they call Aqua about curb stops.

Carmen made a motion to approve capacity requests for 3 EDUs on Morstein Road. Jack seconded the motion. The motion passed unanimously.

#### **Approval of Minutes**

The minutes of the March 11, 2024 meeting were approved as amended.

1  
2 **Approval of Invoices**

3 1. Carmen moved to approve payment of the following paid Pennoni invoices:

- 4 a. Invoice #1216255 \$ 661.50  
5 b. Invoice #1216256 \$ 3,163.50  
6 c. Invoice #1216257 \$ 1,028.50  
7 d. Invoice #1216258 \$ 1,609.50  
8 e. Invoice #1216259 \$ 1,101.75

9 Jack seconded the motion. The motion passed unanimously.

10 2. Kevin moved to approve payment of the Maillie paid invoice #104543 in the amount of  
11 \$7,000.00. Carmen seconded the motion. The motion passed unanimously.

12 3. Kevin moved to approve payment of the Delaware River Basin Commission (DCRC) paid  
13 invoice #242175 in the amount of \$749.00. Carmen seconded the motion. The motion passed  
14 unanimously.

15 4. Kevin moved to approve payment of the Gawthrop Greenwood paid invoice #286743 in the  
16 amount of \$430.50. Carmen seconded the motion. The motion passed unanimously.

17 5. Jack moved to approve the Heilmann Landscaping (dumpster rental) paid invoice dated 3/8/24 in  
18 the amount of \$450.00. Kevin seconded the motion. The motion passed unanimously.

19 6. Kevin moved to approve payment of the Sherwin Williams paid invoice #2485-3 in the amount of  
20 \$118.95. Carmen seconded the motion. The motion passed unanimously.

21 7. Kevin moved to approve payment of the Horn Plumbing & Heating paid invoice #1456133 in the  
22 amount of \$3,101. Jack seconded the motion. The motion passed unanimously.

23 8. Kevin moved to approve payment of the Juan Martinez – prep seal & paint block chamber at  
24 RCSTP paid invoice dated 3/22/24 in the amount of \$245.00. Carmen seconded the motion. The  
25 motion passed unanimously.  
26  
27

28 **Liaison Reports**

29 1. Board of Supervisors – Michele mentioned that the next BOS meeting is April 16<sup>th</sup>.  
30

31 **Financial Reports**

32 Dave Ware provided the following report:

33 Year to date March 2024, the Municipal Authority recorded \$250,628 in revenues (primarily from  
34 Sewer Capital Reserve transfers) and \$247,033 in expenses (RCSTP UV replacement capital costs,  
35 Flygt pump, and Chester Creek Interceptor work by Insituform Technologies). The net result of  
36 operations is \$3,594. As of March 31, 2024, the fund balance was \$11,156.  
37

38 Sewer rates report – Dave is conducting a sewer rate analysis. He took the actual 2022 & 2023 rates  
39 and explained how he constructed the rates. He put all sewer funds together. He projected 2024. He  
40 used a 5% increase. He explained the graphs he provided. He spoke about risk factors. Usage of  
41 water was discussed and when to start an increase. Michele recommended that Dave come to the  
42 next BOS meeting to discuss this presentation.  
43

44 **Old Business**

45 None  
46

47 **Goals** – The “Study sewer line expansion” should be removed.

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**New Business –**

Lateral repair policy & procedure – Mark mentioned that in the last 4 weeks they have done sewer repairs. In older developments, they have traps which may be hard to find. He discussed one resident’s issues. They went to the house, worked on it and ran a new sewer line. Carmen mentioned that no municipality can go to the house. Patrick advised not to go on personal property. This problem was caused by a tree in the right of way. There was discussion about the right of way.

**Any Other Matter -**

Maillie Report - The Maillie report was discussed. Kevin feels that a letter from the Finance Department should be sent to Maillie describing responses.

**Correspondence-** None

**Public Comment -** None

**Adjournment**

There being no further business Jack moved to adjourn the meeting. Kevin seconded the motion. The motion passed unanimously. The meeting was adjourned at 8:40 pm.  
The next regular meeting will be held on Monday, May 13, 2024 at 7:00 pm.

Respectfully submitted,

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 : 1221069  
Invoice Date : 04/30/2024  
Project : EGMAU20004  
Project Name : RCSTP Caustic Soda  
Conversion

**For Services Rendered Through 04/14/2024**

Contacted tank supplier about new exterior tank insulation defect. Provided guidance to WWTP operator on initial chemical feed pump rates for system start-up.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Design and Permitting	\$26,500.00	\$26,500.00	100.00%	\$26,500.00	\$0.00
02 -- Construction Phase Services	est. \$5,400.00	\$2,745.50		\$2,868.50	\$123.00
<b>Total :</b>	<b>\$31,900.00</b>	<b>\$29,245.50</b>		<b>\$29,368.50</b>	<b>\$123.00</b>

**Phase: 02 -- Construction Phase Services**

Labor Class	Hours	Rate	Amount
Authority Engineer	0.25	153.00	38.25
Associate Professional	0.75	113.00	84.75
<b>Labor</b>			<b>123.00</b>

**Phase Subtotal**

**\$123.00**

**Amount Due This Invoice**

**\$123.00**

APPROVED BY: \_\_\_\_\_

*DM 5/1/24*

DATE PAID: \_\_\_\_\_

CHECK #: \_\_\_\_\_

CHARGED TO: 07-429-1520

West Goshen RCSTP Caustic Soda Conversion  
EGMAU20004 Invoice Summary  
Invoice Date 4/30/2024

<b>Project:</b>	EGMAU20004		
<b>Pennoni Job No.:</b>	RCSTP Caustic Soda Conversion		
<b>Invoice No:</b>	1221069		
<b>Invoice Period:</b>	10/16/2023	to	4/14/2024
<b>Initial Authorization:</b>	\$ 31,900.00	<b>Date:</b>	4/30/2024
<b>Contract Amount:</b>	\$ 31,900.00		
<b>Previously Invoiced:</b>	\$ 29,245.50		
<b>Current Invoice:</b>	\$ 123.00		
<b>Invoiced to Date (\$):</b>	\$ 29,368.50		
<b>Invoiced to Date (%):</b>	92%		
<b>Remaining Budget (\$):</b>	\$ 2,531.50		
<b>Remaining Budget (%):</b>	8%		

**Budget by Phase:**

<b>Phase Name:</b>	RCSTP Caustic Soda Conversion		
<b>Phase Budget:</b>	\$ 31,900.00		
<b>Previously Invoiced:</b>	\$ 29,245.50		
<b>Current Invoice:</b>	\$ 123.00		
<b>Invoiced to Date (\$):</b>	\$ 29,368.50		
<b>Invoiced to Date (%):</b>	92%		
<b>Remaining Budget (\$):</b>	\$ 2,531.50		
<b>Remaining Budget (%):</b>	8%		

**Comments:** Contacted tank supplier about new exterior tank insulation defect. Provided guidance to WWTP operator on initial chemical feed pump rates for system start-up.



# 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 : 1221070  
Invoice Date : 04/30/2024  
Project : EGMAU22004  
Project Name : RCSTP UV  
Replacement

For Services Rendered Through 04/14/2024

Construction Phase Services: Prepared structural design and sketch for jib crane mounting to partially grouted walls; coordinated with Glasco for missing equipment (eye screens and cabling) and for shrouds around modules; responded to contractor questions on permanent module installations; coordinated for permanent module startup; and consultation with Public Works on as-built channel adjustments to address vendor requests.

Phase	02	Construction Phase Services		
<b>Labor</b>				
		<b>Hours</b>	<b>Rate</b>	<b>Amount</b>
	Authority Engineer	2.00	153.00	306.00
	Senior Professional	2.25	148.00	333.00
	Associate Professional	8.25	113.00	932.25
	Totals	12.50		1,571.25
	<b>Total Labor</b>			<b>1,571.25</b>
<b>Billing Limits</b>				
		<b>Current</b>	<b>Prior</b>	<b>To-Date</b>
	Total Billings	1,571.25	13,311.50	14,882.75
	Limit			16,000.00
	Remaining			1,117.25
			<b>Total this Phase</b>	<b>\$1,571.25</b>
			<b>Total this Invoice</b>	<b><u><u>\$1,571.25</u></u></b>

APPROVED BY: SA 5/1/24  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07-424-1505

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

RCSTP UV Replacement  
EGMAU22004 Invoice Summary  
Invoice Date 4/30/2024

<b>Project:</b>	EGMAU22004		
<b>Pennoni Job No.:</b>	RCSTP UV Replacement		
<b>Invoice No:</b>	1221070		
<b>Invoice Period:</b>	2/13/2024	to	4/14/2024
<b>Initial Authorization:</b>	\$ 30,000.00	<b>Date:</b>	4/30/2024
<b>Contract Amount:</b>	\$ 60,000.00		
<b>Previously Invoiced:</b>	\$ 57,207.25		
<b>Current Invoice:</b>	\$ 1,571.25		
<b>Invoiced to Date (\$):</b>	\$ 58,778.50		
<b>Invoiced to Date (%):</b>	98%		
<b>Remaining Budget (\$):</b>	\$ 1,221.50		
<b>Remaining Budget (%):</b>	2%		

**Budget by Phase:**

<b>Phase Name:</b>	RCSTP UV Replacement		
<b>Phase Budget:</b>	\$ 60,000.00		
<b>Previously Invoiced:</b>	\$ 57,207.25		
<b>Current Invoice:</b>	\$ 1,571.25		
<b>Invoiced to Date (\$):</b>	\$ 58,778.50		
<b>Invoiced to Date (%):</b>	98%		
<b>Remaining Budget (\$):</b>	\$ 1,221.50		
<b>Remaining Budget (%):</b>	2%		

**Comments:** Construction Phase Services: Prepared structural design and sketch for jib crane mounting to partially grouted walls; coordinated with Glasco for missing equipment (eye screens and cabling) and for shrouds around modules; responded to contractor questions on permanent module installations; coordinated for permanent module startup; and consultation with Public Works on as-built channel adjustments to address vendor requests.



# 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 : 1221071  
Invoice Date : 04/30/2024  
Project : EGMAU24001  
Project Name : 2024 General  
Services

### For Services Rendered Through 04/14/2024

Prepared for and attended April MA meeting including review of monthly RCSTP operator's report. Submitted April Engineer's Report. Continued assistance to Finance Director and PW Director on long-term collection system rehabilitation planning and budgeting, including preparation of quantity estimate and budgetary cost opinion for cured-in-place pipe lining of all asbestos cement pipes in the sewer systems. Initiated analysis of previous months' RCSTP influent BOD loading concentrations due to high loadings in March. Performed scoping and inspections for additional lateral and manhole grouting work for Chester Creek Interceptor construction project that was identified during the contractor's TV Investigations and was not part of Pennoni's original scope.

Billing Limits	Current	Prior	To-Date
Total Billings	4,015.50	3,134.25	7,149.75
Limit			42,000.00
Remaining			34,850.25

### Authority Engineer::

#### Labor

	Hours	Rate	Amount
Authority Engineer	5.75	153.00	879.75
Associate Professional	27.75	113.00	3,135.75
Totals	33.50		4,015.50
<b>Total Labor</b>			<b>4,015.50</b>

Total this Invoice \$4,015.50

APPROVED BY: [Signature]  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07-424-8130

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

2024 General Services  
EGMAU24001 Invoice Summary  
Invoice Date 4/30/2024

<b>Project:</b>	EGMAU24001		
<b>Pennon Job No.:</b>	2024 General Services		
<b>Invoice No:</b>	1221071		
<b>Invoice Period:</b>	2/13/2024	to	4/14/2024
<b>Initial Authorization:</b>	\$ 42,000.00	<b>Date:</b>	4/30/2024
<b>Contract Amount:</b>	\$ 42,000.00		
<b>Previously Invoiced:</b>	\$ 3,134.25		
<b>Current Invoice:</b>	\$ 4,015.50		
<b>Invoiced to Date (\$):</b>	\$ 7,149.75		
<b>Invoiced to Date (%):</b>	17%		
<b>Remaining Budget (\$):</b>	\$ 34,850.25		
<b>Remaining Budget (%):</b>	83%		

**Budget by Phase:**

<b>Phase Name:</b>	2024 General Services		
<b>Phase Budget:</b>	\$ 42,000.00		
<b>Previously Invoiced:</b>	\$ 3,134.25		
<b>Current Invoice:</b>	\$ 4,015.50		
<b>Invoiced to Date (\$):</b>	\$ 7,149.75		
<b>Invoiced to Date (%):</b>	17%		
<b>Remaining Budget (\$):</b>	\$ 34,850.25		
<b>Remaining Budget (%):</b>	83%		

**Comments:** Prepared for and attended April MA meeting including review of monthly RCSTP operator's report. Submitted April Engineer's Report. Continued assistance to Finance Director and PW Director on long-term collection system rehabilitation planning and budgeting, including preparation of quantity estimate and budgetary cost opinion for cured-in-place pipe lining of all asbestos cement pipes in the sewer systems. Initiated analysis of previous months' RCSTP influent BOD loading concentrations due to high loadings in March. Performed scoping and inspections for additional lateral and manhole grouting work for Chester Creek Interceptor construction project that was identified during the contractor's TV investigations and was not part of Pennoni's original scope.





# 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 : 1221072  
Invoice Date : 04/30/2024  
Project : EGMAU24002  
Project Name : 2023 Chapter 94  
Reports

### For Services Rendered Through 04/14/2024

Finalized Chapter 94 Reports. Submitted Westtown and West Goshen Tributary Reports to respective municipalities.  
Submitted RCSTP Report to PADEP.

FINAL INVOICE unless PADEP provides review comments.

Billing Limits	Current	Prior	To-Date
Total Billings	1,509.50	2,496.00	4,005.50
Limit			9,000.00
Remaining			4,994.50

### Authority Engineer:

#### Labor

	Hours	Rate	Amount
Authority Engineer	5.25	153.00	803.25
Associate Professional	6.25	113.00	706.25
Totals	11.50		1,509.50
<b>Total Labor</b>			<b>1,509.50</b>
<b>Total this Invoice</b>			<b>\$1,509.50</b>

APPROVED BY: *[Signature]*  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07-424-3130

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

2023 Chapter 94 Reports  
EGMAU24002 Invoice Summary  
Invoice Date 4/30/2024

**Project:** EGMAU24002  
**Pennoni Job No.:** 2023 Chapter 94 Reports  
**Invoice No:** 1221072  
**Invoice Period:** 2/13/2024 to 4/14/2024  
**Initial Authorization:** \$ 9,000.00 **Date:** 4/30/2024  
**Contract Amount:** \$ 9,000.00  
**Previously Invoiced:** \$ 2,496.00  
**Current Invoice:** \$ 1,509.50  
**Invoiced to Date (\$):** \$ 4,005.50  
**Invoiced to Date (%):** 45%  
**Remaining Budget (\$):** \$ 4,994.50  
**Remaining Budget (%):** 55%

**Budget by Phase:**

**Phase Name:** 2023 Chapter 94 Reports  
**Phase Budget:** \$ 9,000.00  
**Previously Invoiced:** \$ 2,496.00  
**Current Invoice:** \$ 1,509.50  
**Invoiced to Date (\$):** \$ 4,005.50  
**Invoiced to Date (%):** 45%  
**Remaining Budget (\$):** \$ 4,994.50  
**Remaining Budget (%):** 55%

**Comments:** Finalized Chapter 94 Reports. Submitted Westtown and West Goshen Tributary Reports to respective municipalities.  
Submitted RCSTP Report to PADEP.  
FINAL INVOICE unless PADEP provides review comments.



**INVOICE**

Zook's Concrete Pumping  
5881 Timothy Dr.  
Narvon, PA 17555

contact@zooksconcretepumping.com  
+1 (717) 617-4042



EAST GOSHEN TOWNSHIP  
Bill to  
EAST GOSHEN TOWNSHIP

Ship to  
EAST GOSHEN TOWNSHIP

**Invoice details**

Invoice no.: 1537  
Terms: Net 30  
Invoice date: 02/29/2024  
Due date: 03/30/2024

**PAID**

#	Date	Product or service	Description	Qty	Rate	Amount
1.	02/29/2024	JOB LOCATION	1751 Town dr West Chester pa	1	\$0.00	\$0.00
2.		Concrete Pumping - Non-local	Concrete pumping for locations outside of 25 miles	1	\$475.00	\$475.00
3.		Fuel Surcharge - Non-local		1	\$50.00	\$50.00
4.		Hourly Surcharge	Surcharge for services over 3 hours	0.5	\$80.00	\$40.00
5.		Per-yard Charge	Cost for pumping per-yard	4	\$2.50	\$10.00

Total **\$575.00**

**Ways to pay**



**Overdue**

03/30/2024

APPROVED BY: MAN  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 0742951505

*4/9/24*



CB Dombach and Son  
 2919 Old Philadelphia Pike  
 Bird in Hand, PA 17505

# Invoice

Date	Invoice #
4/3/2024	4179
Due Date	4/3/2024

Bill To

East Goshen Township  
 1751 Town Drive  
 West Chester, PA 19380

Phone 717-392-0578

email info@cbdombach.com

www.cbdombach.com

P.O. No.	Terms	Project

Description	Amount
1 - 20X20 Frame Tent Rental Service (4/3/24-5/1/24)	800.00
APPROVED BY: <u>[Signature]</u> <u>4/9/24</u> DATE PAID: _____ CHECK #: _____ CHARGED TO: <u>07429-1505</u>	

Subtotal	\$800.00
Sales Tax (6.0%)	\$0.00
Total	\$800.00
Payments/Credits	\$0.00
<b>Balance Due</b>	<b>\$800.00</b>

**PAID**



Gawthrop Greenwood, PC  
Attorneys at Law

17 East Gay Street, Suite 100 (p) 610-696-8225  
West Chester, PA 19381-0562 (f) 610-344-0922  
gglaw@gawthrop.com www.gawthrop.c

**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  
04/05/2024  
Client No: 6604-001M  
Invoice No. 288540

**PAID**

General Authority Services

Fees

		Hours	
03/08/2024			
EBK	Review and analyze meeting materials	0.30	58.50
PMM	Email from L. Werkheiser regarding authority Board meeting materials.	0.20	41.00
03/11/2024			
EBK	Travel to/from and attend monthly meeting	1.50	292.50
03/20/2024			
EBK	Review and respond to email from D Ware regarding changes to sewer rates	0.20	39.00
	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 \$430.50  
Total Current Charges 431.00

APPROVED BY: [Signature] 4/8/24  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_

03/27/2024 Payment -430.50  
Balance Due 431.00

CHARGED TO: 07-424-3140



Gawthrop Greenwood, PC  
Attorneys at Law

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

**GAWTHROP GREENWOOD CLIENT INVOICE**

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

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<https://secure.lawpay.com/pages/gawthrop/operating>

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

APPROVED BY: [Signature]  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07-424-3140

Page: 1  
05/07/2024  
Client No: 6604-001M  
Invoice No: 290046

General Authority Services

Fees

		Hours	
04/05/2024			
PMM	Telephone conference with M. Miller in preparation for Authority Board meeting; Email from L. Werkheiser regarding meeting materials; Email from M. Ellis regarding 1338 Morstein Road sewer capacity request.	0.60	123.00
04/08/2024			
PMM	Review and analyze meeting materials in preparation for Authority Board meeting; Attend Board meeting.	1.70	348.50
	For Current Services Rendered	2.30	471.50

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna, Esquire	2.30	\$205.00	\$471.50
Previous Balance			\$431.00
Total Current Charges			471.50
04/19/2024	Payment		-431.00
Balance Due			<u>\$471.50</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.



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East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
05/07/2024  
Client No: 6604M

Previous Balance	Fees	Expenses	Payments	Balance
6604-001 General Authority Services				
431.00	471.50	0.00	-431.00	<u>\$471.50</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 April 2024 YTD Financial Report  
Date: May 9, 2024

---

YTD April 2024, the Municipal Authority recorded \$261,356 in revenues (primarily from Sewer Capital Reserve transfers) and \$257,025 in expenses (RCSTP UV replacement capital costs, Flygt pump, Chester Creek Interceptor work by Insituform Technologies, engineering and audit expenses). The net result of operations is \$4,331. As of April 30, 2024, the fund balance was \$11,893.

Attached is a complete list of 2024 YTD detailed MA revenues and expenses.



**EAST GOSHEN TOWNSHIP**  
**Municipal Authority Fund**  
**YTD April 2024**

<u>Account Id</u>	<u>Account Description</u>	<u>Annual Budget</u>	<u>Current YTD</u>	<u>Prior YTD</u>
<b>REVENUE</b>				
07-341-1000	INTEREST EARNINGS	0.00	142.87	44.81
07-364-1100	C.C. TAPPING FEES	2,300.00	0.00	0.00
07-364-1110	R.C.TAPPING FEES	8,574.08	1,191.36	1,191.36
07-364-1130	CONNECTION FEES - SEWER	1,127.52	563.76	563.76
07-380-1000	MISCELLANEOUS REVENUE	564.06	282.24	282.24
07-392-0500	TRANSFER FROM SEWER OPERATING	109,517.00	37,407.37	40,895.84
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	837,464.00	221,768.46	279,543.29
	<b>Total Revenue</b>	<b>959,546.66</b>	<b>261,356.06</b>	<b>322,521.30</b>
<b>EXPENSES</b>				
07-424-1400	ADMINISTRATIVE WAGES	39,847.10	11,190.26	8,944.84
07-424-3000	MISCELLANEOUS EXPENSE	3,286.22	1,056.61	1,595.25
07-424-3110	MUNIC.AUTH.-AUDITING	21,630.00	7,500.00	9,793.00
07-424-3130	ENGINEERING SERVICES	48,667.50	6,151.75	15,676.75
07-424-3140	LEGAL SERVICES	8,652.00	1,923.00	2,316.00
07-424-3700	CHESTER CREEK ENGINEERING	0.00	9,154.75	0.00
07-424-7490	CAP.REPLACEMENT R.C.	310,500.00	0.00	0.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	85,000.00	0.00	10,240.62
07-429-1505	RCSTP CAPITAL	366,963.84	133,513.46	62,692.11
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	0.00	0.00	90,113.64
07-429-1520	RCSTP - CAUSTIC SODA	0.00	0.00	6,368.47
07-429-3700	CHESTER CREEK CAPITAL	0.00	86,535.00	0.00
07-429-6100	WEST GOSHEN CAPITAL	75,000.00	0.00	115,362.26
	<b>Total Expenses</b>	<b>959,546.66</b>	<b>257,024.83</b>	<b>323,102.94</b>
	<b>Net Result From Operations</b>	<b>0.00</b>	<b>4,331.23</b>	<b>-581.64</b>

Municipal Authority  
YTD Revenues and Expenses thru 4/30/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-341-1000	INTEREST EARNINGS	01/31/24	Revenue Journal	INTEREST EARNED JANUARY 2024	35.21
07-341-1000	INTEREST EARNINGS	02/29/24	Revenue Journal	INTEREST EARNED FEBRUARY 2024	41.23
07-341-1000	INTEREST EARNINGS	03/31/24	Revenue Journal	INTEREST EARNED MARCH 2024	50.34
07-341-1000	INTEREST EARNINGS	04/30/24	Revenue Journal	INTEREST EARNED APRIL 2024	16.09
07-364-1110	R.C.TAPPING FEES	01/02/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	02/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	03/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	04/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1130	CONNECTION FEES - SEWER	01/25/24	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 13262	281.88
07-364-1130	CONNECTION FEES - SEWER	04/24/24	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 13263	281.88
07-380-1000	MISCELLANEOUS REVENUE	01/25/24	Revenue Journal	PINE ROCK INTEREST PORTION - STOFFLET	141.12
07-380-1000	MISCELLANEOUS REVENUE	04/24/24	Revenue Journal	PINE ROCK INTEREST PORTION - PAPPANO	141.12
07-392-0500	TRANSFER FROM SEWER OPERATING	01/09/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	431.00
07-392-0500	TRANSFER FROM SEWER OPERATING	01/11/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	533.00
07-392-0500	TRANSFER FROM SEWER OPERATING	02/14/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	4,349.75
07-392-0500	TRANSFER FROM SEWER OPERATING	02/22/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	500.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/11/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	749.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/15/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	6,041.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/21/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	7,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/26/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	245.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/27/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	11,190.26
07-392-0500	TRANSFER FROM SEWER OPERATING	04/01/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	62.61
07-392-0500	TRANSFER FROM SEWER OPERATING	04/03/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	5,874.75
07-392-0500	TRANSFER FROM SEWER OPERATING	04/09/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	431.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/02/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,720.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/05/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	94.02
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/10/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	97.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/26/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	14,805.16
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/26/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	9,530.65
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/31/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,136.12
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/06/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	6,860.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/08/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	91.92
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/14/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,598.99
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/15/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	73,665.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/22/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,848.97
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/27/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	46,517.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/29/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	923.91
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/05/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,703.78
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/06/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	800.00



Municipal Authority  
YTD Revenues and Expenses thru 4/30/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/11/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,991.86
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/15/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	37,659.48
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/21/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,101.53
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/01/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	558.07
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/03/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,690.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/09/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,375.00
<b>Total Revenue</b>					<b>261,356.06</b>
07-424-1400	ADMINISTRATIVE WAGES	03/26/24	Pay Check: 706	24-00730 QTR 1 2024 MA CHARGE BACK	11,190.26
07-424-3000	MISCELLANEOUS EXPENSE	03/11/24	Pay Check: 3493	24-00582 2024 ANNUAL DAILY DISCHARGE CA	749.00
07-424-3000	MISCELLANEOUS EXPENSE	03/26/24	Pay Check: 3502	24-00722 PREP SEAL & PAINT BLOCK CHAMBER	245.00
07-424-3000	MISCELLANEOUS EXPENSE	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	27.02
07-424-3000	MISCELLANEOUS EXPENSE	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	35.59
07-424-3110	MUNIC.AUTH.-AUDITING	02/22/24	Pay Check: 3486	24-00447 PROGRESS BILLING AUDIT EGT MUA	500.00
07-424-3110	MUNIC.AUTH.-AUDITING	03/21/24	Pay Check: 3501	24-00676 PROGRESS BILLING AUDIT EGT MUA	7,000.00
07-424-3130	ENGINEERING SERVICES	02/14/24	Pay Check: 3483	24-00380 SERV THRU 011424 23 CHAPTER 94	744.50
07-424-3130	ENGINEERING SERVICES	02/14/24	Pay Check: 3483	24-00381 SERV THRU 011424 2024 GEN SERV	799.75
07-424-3130	ENGINEERING SERVICES	02/14/24	Pay Check: 3483	24-00384 SERV THRU 011424 2023 GEN SERV	521.50
07-424-3130	ENGINEERING SERVICES	03/15/24	Pay Check: 3497	24-00647 SERV THRU 021124 23 CHAPTER 94	649.75
07-424-3130	ENGINEERING SERVICES	03/15/24	Pay Check: 3497	24-00648 SERV THRU 021124 2024 GEN SERV	725.00
07-424-3130	ENGINEERING SERVICES	04/03/24	Pay Check: 3503	24-00780 SERV THRU 031724 2024 GEN SERV	1,609.50
07-424-3130	ENGINEERING SERVICES	04/03/24	Pay Check: 3503	24-00779 SERV THRU 031724 23 CHAPTER 94	1,101.75
07-424-3140	LEGAL SERVICES	01/11/24	Pay Check: 3474	24-00076 LEGAL SERV DEC 2023 GEN AUTH	533.00
07-424-3140	LEGAL SERVICES	02/14/24	Pay Check: 3481	24-00378 LEGAL SERV JAN 2024 GEN AUTH	528.50
07-424-3140	LEGAL SERVICES	03/15/24	Pay Check: 3496	24-00635 LEGAL SERVICES 2/5-2/12/24 GEN	430.50
07-424-3140	LEGAL SERVICES	04/09/24	Pay Check: 3505	24-00826 LEGAL SERV MARCH 2024 GEN AUTH	431.00
07-424-3700	CHESTER CREEK ENGINEERING	02/14/24	Pay Check: 3483	24-00383 SERV THRU 011424 CHESTER CREEK	1,755.50
07-424-3700	CHESTER CREEK ENGINEERING	03/15/24	Pay Check: 3497	24-00645 SERV THRU 021124 CHESTER CREEK	4,235.75
07-424-3700	CHESTER CREEK ENGINEERING	04/03/24	Pay Check: 3503	24-00782 SERV THRU 031724 CHESTER CREEK	3,163.50
07-429-1505	RCSTP CAPITAL	01/05/24	Pay Check: 3472	24-00033 TYPE B C&G 3" COUOLER X M NPT	94.02
07-429-1505	RCSTP CAPITAL	01/10/24	Pay Check: 703	24-00056 VARIOUS PURCHASES- SEE NOTES	97.00
07-429-1505	RCSTP CAPITAL	01/17/24	Pay Check: 3475	24-00098 RC ST-RAN CONDUIT FOR TEMP PUM	9,530.65
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 ADAPTER 4" FNPT X 6" MCAM	429.92
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 ADAPTER 6" FRMALE CAM X MNPT	1,337.24
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 HOSE 6" X 50' CAMLOCK LAYFLAT	12,392.88
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 DELIVERY	645.12
07-429-1505	RCSTP CAPITAL	01/31/24	Pay Check: 3477	24-00210 SAND BAR (YELLOW) & BAGS	67.00
07-429-1505	RCSTP CAPITAL	01/31/24	Pay Check: 3478	24-00237 HOSE 6"X10' HD TANK TRUCK CAML	4,069.12

Municipal Authority  
YTD Revenues and Expenses thru 4/30/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1505	RCSTP CAPITAL	02/06/24	Pay Check: 3479	24-00271 TROUGH AND CMU WALL ABLATION	6,860.00
07-429-1505	RCSTP CAPITAL	02/08/24	Pay Check: 704	24-00317 VARIOUS PURCHASES- SEE NOTES	91.92
07-429-1505	RCSTP CAPITAL	02/14/24	Pay Check: 3482	24-00379 RCSTP- UV REPLACEMENT PYMT 1	4,296.24
07-429-1505	RCSTP CAPITAL	02/14/24	Pay Check: 3483	24-00382 SERV THRU 011424 RCSTP GENERAT	302.75
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3484	24-00426 UV SYSTEM INSTALLATION-FILTER	1,427.00
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3484	24-00425 DISK FILTER#1 FAILURE, ALARM T	300.00
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3485	24-00436 PIPING FOR NEW MUFFIN MONSTER	3,980.40
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3487	24-00437 ELECTRICAL PARTS-INSTL MUFFIN M	141.57
07-429-1505	RCSTP CAPITAL	02/27/24	Pay Check: 3489	24-00513 FLYGT NP-3171.095 6" SUBMERSIB	33,647.00
07-429-1505	RCSTP CAPITAL	02/29/24	Pay Check: 705	24-00520 VARIOUS PURCHASES- SEE NOTES	794.81
07-429-1505	RCSTP CAPITAL	02/29/24	Pay Check: 705	24-00520 VARIOUS PURCHASES- SEE NOTES	129.10
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check: 3490	24-00539 PURCHASE TENT HEATERS & DELIVER	2,149.78
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check: 3491	24-00530 (20) ROD 5/8 X 20' (#5)	356.00
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check: 3491	24-00550 5.5 YD CONCRETE 4000 PSI	1,198.00
07-429-1505	RCSTP CAPITAL	03/06/24	Pay Check: 3492	24-00567 20X20 TENT RENTAL UV CONCRETE	800.00
07-429-1505	RCSTP CAPITAL	03/11/24	Pay Check: 3494	24-00606 DUMPSTER RENTAL- CONSTRUCTION	450.00
07-429-1505	RCSTP CAPITAL	03/11/24	Pay Check: 3495	24-00607 RCSTP-UV DISINFEC RPLCMT PYMT2	3,541.86
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3497	24-00646 SERV THRU 021124 RCSTP GENERAT	3,658.25
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3497	24-00644 SERV THRU 031124 RCSTP UV REPL	2,698.50
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3498	24-00659 (5) 5 GALLONS WHITE PAINT	118.95
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3499	24-00625 RCSTP-UV DISINFECTION SYS REP	31,183.78
07-429-1505	RCSTP CAPITAL	03/21/24	Pay Check: 3500	24-00698 INSTALL EMER. SHOWER & EYEWASH	3,101.53
07-429-1505	RCSTP CAPITAL	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	18.49
07-429-1505	RCSTP CAPITAL	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	313.32
07-429-1505	RCSTP CAPITAL	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	226.26
07-429-1505	RCSTP CAPITAL	04/03/24	Pay Check: 3503	24-00783 SERV THRU 031724 RCSTP UV REPL	661.50
07-429-1505	RCSTP CAPITAL	04/03/24	Pay Check: 3503	24-00781 SERV THRU 031724 RCSTP GENERAT	1,028.50
07-429-1505	RCSTP CAPITAL	04/09/24	Pay Check: 3504	24-00872 20X20 FRAME TENT RENTAL4/3-5/1	800.00
07-429-1505	RCSTP CAPITAL	04/09/24	Pay Check: 3506	24-00869 CONCRETE PUMPING- 1751 TOWNE	575.00
07-429-3700	CHESTER CREEK CAPITAL	02/14/24	Pay Check: 3480	24-00376 CHESTERCREEK INTERCEPTOR PYMT1	20,340.00
07-429-3700	CHESTER CREEK CAPITAL	02/14/24	Pay Check: 3480	24-00377 CHESTERCREEK INTERCEPTOR PYMT2	53,325.00
07-429-3700	CHESTER CREEK CAPITAL	02/27/24	Pay Check: 3488	24-00516 CHESTERCREEK INTERCEPTOR PYMT3	12,870.00

**Total Expense** 257,024.83

**Net Operating** 4,331.23

# Response to 2023 Audit Letter

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To: Municipal Authority  
From: Dave Ware  
Re: 2023 MA Audit  
Date: May 9, 2024

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Members and liaisons of the East Goshen Municipal Authority,  
As requested, below is my response to the letter received from our auditor, Maillie, for the 2023 Financial Statements Audit.

As the East Goshen Township Finance Director responsible for Municipal Authority finances, I take issue specifically with the section in the Maillie letter titled "Significant Risks Identified". As indicated in their letter, as part of their audit, they "considered the system of internal control of East Goshen Municipal Authority solely for the purpose of determining" [their] "audit procedures and not to provide any assurance concerning such system of internal control". In my opinion, this is misleading. They identified three significant risks - Risk of Management Override of Internal Controls, Risk of Improper Revenue Recognition, and Risk of Improper Recording of Journal Entries. While Maillie considers these risks to their audit planning purposes, I would not consider these internal risks to our financial statements. If any finding of errors was reported by Maillie, they would issue a SAS 115 letter, which would explain the issue they found and they would make a recommendation on how to remedy the issue. They did not and have not since my time at East Goshen Township since 2021. They also freely admit that these same three "significant risks" are considered standard and are identified on most of their audits. The remainder of the letter provides the qualitative aspects of EGMA's significant accounting practices where any issues with accounting policies, accounting estimates, financial statement disclosures, unusual transactions, audit difficulties, misstatements, disagreements with management, management representation requests, consultations, and other significant matters or findings. They found no issues or findings with any of these processes.

While the language of the letter is misleading as to whether our financial statements are "at risk", they do not indicate a weakness within East Goshen Municipal Authority's organization or internal controls.

Respectfully Submitted,



Dave Ware  
Director of Finance  
East Goshen Township

April 17, 2024

Chairman Walter Wujcik  
East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380-6107

Dear Chairman Wujcik:

I have enclosed two copies of the financial statements of the East Goshen Municipal Authority for the year ended December 31, 2023, and two copies of the communication with those charged with governance to be distributed to the members of the Board.

Please call if you have any questions or if I can be of assistance in any other way.

Very truly yours,

MAILLIE LLP



Dale Umbenhauer, CPA

Enclosures



March 18, 2024

To the Members of the Board  
East Goshen Municipal Authority  
West Chester, Pennsylvania

We have audited the financial statements of the East Goshen Municipal Authority as of and for the year ended December 31, 2023, and have issued our report thereon dated March 18, 2024. Professional standards require that we advise you of the following matters relating to our audit.

### **OUR RESPONSIBILITY IN RELATION TO THE FINANCIAL STATEMENT AUDIT**

As communicated in our engagement letter dated January 9, 2024, our responsibility, as described by professional standards, is to form and express an opinion(s) about whether the financial statements that have been prepared by management with your oversight are presented fairly, in all material respects, in conformity with accounting principles generally accepted in the United States of America. Our audit of the financial statements does not relieve you or management of your respective responsibilities.

Our responsibility, as prescribed by professional standards, is to plan and perform our audit to obtain reasonable, rather than absolute, assurance about whether the financial statements are free of material misstatement. An audit of financial statements includes consideration of the system of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's system of internal control over financial reporting. Accordingly, as part of our audit, we considered the system of internal control of East Goshen Municipal Authority solely for the purpose of determining our audit procedures and not to provide any assurance concerning such system of internal control.

We are also responsible for communicating significant matters related to the audit that are, in our professional judgment, relevant to your responsibilities in overseeing the financial reporting process. However, we are not required to design procedures for the purpose of identifying other matters to communicate to you.

### **PLANNED SCOPE AND TIMING OF THE AUDIT**

We conducted our audit consistent with the planned scope and timing we previously communicated to you.

### **COMPLIANCE WITH ALL ETHICS REQUIREMENTS REGARDING INDEPENDENCE**

The engagement team, others in our firm, as appropriate, and our firm have complied with all relevant ethical requirements regarding independence.

## **SIGNIFICANT RISKS IDENTIFIED**

The following were significant risks identified during our planning process for your audit. These risks were identified for planning purposes and our firm performed specific audit procedures to address these risks. The identified risks do not necessarily indicate a weakness within East Goshen Municipal Authority's organization or internal controls:

- **Risk of Management Override of Internal controls** - Even though system of internal control over financial reporting may appear to be well-designed, controls that are otherwise effective can be overridden by management.
- **Risk of Improper Revenue Recognition** - Improper timing of revenue recognition happens when an entity inappropriately records revenue in one period that should be recorded in another.
- **Risk of Improper Recording of Journal Entries** - Journal entries are not recorded to the proper account, for the proper amount or to the proper period; Journal entries are recorded without the proper approval.

## **QUALITATIVE ASPECTS OF THE ENTITY'S SIGNIFICANT ACCOUNTING PRACTICES**

### **Significant Accounting Policies**

Management has the responsibility to select and use appropriate accounting policies. A summary of the significant accounting policies adopted by the East Goshen Municipal Authority is included in Note A to the financial statements. There have been no initial selection of accounting policies and no changes in significant accounting policies or their application during the year. No matters have come to our attention that would require us, under professional standards, to inform you about (1) the methods used to account for significant unusual transactions and (2) the effect of significant accounting policies in controversial or emerging areas for which there is a lack of authoritative guidance or consensus.

### **Significant Accounting Estimates**

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's current judgments. Those judgments are normally based on knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ markedly from management's current judgments. There are no significant accounting estimates.



To the Members of the Board  
East Goshen Municipal Authority

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March 18, 2024

### **Financial Statement Disclosures**

Certain financial statement disclosures involve significant judgment and are particularly sensitive because of their significance to financial statement users. The most sensitive disclosures affecting the East Goshen Municipal Authority's financial statements relate to:

- Cash
- Lease agreement
- Guaranteed note payable

The financial statement disclosures are neutral, consistent and clear.

### **SIGNIFICANT UNUSUAL TRANSACTIONS**

For purposes of this communication, professional standards require us to communicate to you significant unusual transactions identified during our audit. No significant unusual transactions were identified during the audit.

### **SIGNIFICANT DIFFICULTIES ENCOUNTERED DURING THE AUDIT**

We encountered no significant difficulties in dealing with management relating to the performance of the audit.

### **UNCORRECTED AND CORRECTED MISSTATEMENTS**

For purposes of this communication, professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that we believe are trivial, and communicate them to the appropriate level of management. We did not identify any misstatements during our audit.

### **DISAGREEMENTS WITH MANAGEMENT**

For purposes of this letter, professional standards define a disagreement with management as a matter, whether or not resolved to our satisfaction, concerning a financial accounting, reporting, or auditing matter, which could be significant to East Goshen Municipal Authority's financial statements or the auditors' report. No such disagreements arose during the course of the audit.

### **REPRESENTATIONS REQUESTED FROM MANAGEMENT**

We have requested certain written representations from management, which are included in the management representation letter dated March 18, 2024.

To the Members of the Board  
East Goshen Municipal Authority

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March 18, 2024

### **MANAGEMENT'S CONSULTATIONS WITH OTHER ACCOUNTANTS**

In some cases, management may decide to consult with other accountants about auditing and accounting matters. Management informed us that, and to our knowledge, there were no consultations with other accountants regarding auditing and accounting matters.

### **OTHER SIGNIFICANT MATTERS, FINDINGS OR ISSUES**

In the normal course of our professional association with the East Goshen Municipal Authority, we generally discuss a variety of matters, including the application of accounting principles and auditing standards, operating and regulatory conditions affecting the entity and operational plans and strategies that may affect the risks of material misstatement. None of the matters discussed resulted in a condition to our retention as the East Goshen Municipal Authority's auditors.

### **MODIFICATION OF THE AUDITORS' REPORT**

We have made the following modifications to our auditors' report:

As discussed in Note E to the financial statements, the opening net position has been restated to correct a misstatement. Our opinion is not modified with respect to this matter.

This report is intended solely for the information and use of the Members of the Board and management of the East Goshen Municipal Authority and is not intended to be and should not be used by anyone other than these specified parties.

Very truly yours,



MAILLIE LLP  
*Certified Public Accountants and  
Business Consultants*



**EAST GOSHEN MUNICIPAL AUTHORITY**

**FINANCIAL STATEMENTS**

*Year Ended December 31, 2023*

# INTRODUCTORY SECTION

**EAST GOSHEN MUNICIPAL AUTHORITY**  
**TABLE OF CONTENTS**  
**YEAR ENDED DECEMBER 31, 2023**

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# FINANCIAL SECTION

## *Independent Auditors' Report*

To the Members of the Board  
East Goshen Municipal Authority  
West Chester, Pennsylvania

### ***Opinion***

We have audited the accompanying financial statements of the East Goshen Municipal Authority (a component unit of East Goshen Township), which comprise the statement of net position as of December 31, 2023, and the related statements of revenues, expenses and changes in net position and cash flows for the year then ended and the related notes to the financial statements.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the East Goshen Municipal Authority as of December 31, 2023, and the changes in its financial position and its cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.

### ***Basis for Opinion***

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of East Goshen Municipal Authority and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

### ***Emphasis of Matter***

As discussed in Note E to the financial statements, the opening net position has been restated to correct a misstatement. Our opinion is not modified with respect to this matter.

### ***Responsibilities of Management for the Financial Statements***

East Goshen Municipal Authority's management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about East Goshen Municipal Authority's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

To the Members of the Board  
East Goshen Municipal Authority  
West Chester, Pennsylvania

### ***Auditors' Responsibilities for the Audit of the Financial Statements***

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of East Goshen Municipal Authority's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about East Goshen Municipal Authority's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

To the Members of the Board  
East Goshen Municipal Authority  
West Chester, Pennsylvania

***Required Supplementary Information***

Accounting principles generally accepted in the United States of America require that management's discussion and analysis on pages 5 through 7 be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

*Maillie LLP*

New Castle, Delaware  
March 18, 2024



**EAST GOSHEN MUNICIPAL AUTHORITY**  
**MANAGEMENT'S DISCUSSION AND ANALYSIS (Unaudited)**  
**YEAR ENDED DECEMBER 31, 2023**

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Our discussion and analysis of the East Goshen Municipal Authority's (the "Authority") financial performance provides an overview of the Authority's financial activities for the fiscal year ended December 31, 2023. Please read it in conjunction with the Authority's financial statements, which begin with the statement of net position.

**FINANCIAL HIGHLIGHTS**

Cash and Prepaid expenses represents 0.1% of the Authority's total assets, and the lease rental receivable accounts for 99.9% of the total assets.

The Authority has \$6,078,000 in outstanding debt compared to \$6,620,000 last year. The Series of 2008 matures annually through 2032. The Series of 2013 debt matures annually through 2033.

The total liabilities of the Authority exceeded its assets by \$5,503 (net position).

During the year ended December 31, 2023, total revenues of the Authority were \$1,576,991, and total expenses were \$1,514,911. This resulted in an increase in net position for the year of \$62,080.

Included in expenses for 2023 was \$1,223,550 of capital contributions and payments to East Goshen Township. Funds expended for payments to West Goshen Township for sewage treatment and other operating expenses were \$182,262 in 2023.

The following two tables summarize the Authority's net position and changes in net position.

**Table 1 - Net Position**

	<u>2023</u>	<u>RESTATED 2022</u>
<b>ASSETS</b>		
Cash and cash equivalents	\$ 7,562	\$ 5,172
Prepaid expenses	982	-
Lease rental receivable	<u>6,078,000</u>	<u>6,620,000</u>
<b>TOTAL ASSETS</b>	<u><u>\$ 6,086,544</u></u>	<u><u>\$ 6,625,172</u></u>
<b>LIABILITIES AND NET POSITION</b>		
<b>LIABILITIES</b>		
Accounts payable	\$ 10,255	\$ 68,624
Accrued interest payable	3,792	4,131
Guaranteed notes payable	<u>6,078,000</u>	<u>6,620,000</u>
<b>TOTAL LIABILITIES</b>	<u>6,092,047</u>	<u>6,692,755</u>
<b>NET POSITION</b>	<u>(5,503)</u>	<u>(67,583)</u>
<b>TOTAL LIABILITIES AND NET POSITION</b>	<u><u>\$ 6,086,544</u></u>	<u><u>\$ 6,625,172</u></u>

**EAST GOSHEN MUNICIPAL AUTHORITY**  
**MANAGEMENT'S DISCUSSION AND ANALYSIS (Unaudited)**  
**YEAR ENDED DECEMBER 31, 2023**

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**Table 2 - Change in Net Position**

	<u>2023</u>	<u>RESTATED 2022</u>
REVENUES	\$ 1,576,991	\$ 1,163,449
EXPENSES	<u>1,514,911</u>	<u>1,211,676</u>
CHANGE IN NET POSITION	62,080	(48,227)
NET POSITION AT BEGINNING OF YEAR	<u>(67,583)</u>	<u>(19,356)</u>
NET POSITION AT END OF YEAR	<u>\$ (5,503)</u>	<u>\$ (67,583)</u>

Refer to Note F for additional information on the 2022 restatement.

**OVERVIEW OF THE FINANCIAL STATEMENTS**

The Authority's annual financial report consists of several sections. Taken together, they provide a comprehensive financial look at the Authority. The components of the report include the independent auditors' report, management's discussion and analysis, financial statements and notes to the basic financial statements.

The independent auditors' report briefly describes the audit engagement and also renders an opinion as to the material components of the Authority's financial statements.

The Management's Discussion and Analysis (MD&A), prepared by the Township staff, provides a narrative introduction and overview that users of the financial statements need to interpret the basic financial statements. The MD&A also provides analysis of some key data that is presented in the basic financial statements. It also addresses any other currently known facts, decisions, or conditions that are expected to have a significant effect on financial position or results of operations.

The basic financial statements include the statement of net position, statement of revenues, expenses and changes in net position, statement of cash flows and the notes to the basic financial statements.

- The statement of net position shows the financial condition of the Authority at the end of the fiscal period or a specific snapshot in time.
- The statement of revenues, expenses and changes in net position measures the results of operations of the Authority during the fiscal period.
- The statement of cash flows measures the resources provided during the fiscal period and the uses to which they are put.
- The notes to the basic financial statements provide additional disclosures required by governmental accounting standards and provide information to assist the reader in understanding the Authority's financial condition.

**EAST GOSHEN MUNICIPAL AUTHORITY**  
MANAGEMENT'S DISCUSSION AND ANALYSIS (Unaudited)  
YEAR ENDED DECEMBER 31, 2023

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**DEBT ADMINISTRATION**

At the end of the year, the Authority had total long-term debt of \$6,078,000. This debt consists of two guaranteed notes payable to the Delaware Valley Regional Finance Authority (DVRFA) and backed by the full faith and credit of the Township. Details of the Authority's debt holding and related long-term debt service requirements can be found in Note D to the financial statements.

**REPORTING**

East Goshen Municipal Authority was established in 1967 to finance the construction of the Township's sewage collection and treatment facilities. A five-member board, appointed by the Township's Board of Supervisors, governs the Authority. Although legally separate, the Authority is considered a component unit of the Township because the Township is financially accountable for it. The major function of the Authority is to provide financing for capital construction, expansion and upgrades to the Township's sewage collection and treatment facilities. The Authority owns one sewage treatment plant, four pumping stations and 86 miles of sewer lines. The Township has the responsibility for daily operations through a leaseback arrangement with the Authority. One sewage treatment plant, the Lockwood Plant, was taken off-line in 2012, and capital improvements largely completed by the end of 2013 resulted in the closure of two pump stations, with the flows diverted to the Township's remaining sewage treatment plant.

Currently, the Township sewer system services 6,495 residential units and 134 commercial units with 519 units utilizing on-lot systems. An average of 1.0 million gallons of waste water flows through the system each day. All of the business and commercial establishments in the Township are connected to either the public sewer system or to a community sewer system that serves Hershey's Mill Village. (Note: The Green Hill Sewer Association provides sewer service to the 1,720 dwelling units, Village Square Shopping Center and Wellington Hall life care facility, all of which are located within Hershey's Mill Village.)

The Authority funded the construction costs for improvements to serve the homes connected by the Authority through a combination of tapping fees paid by property owners at the time of connection, a federal grant and debt incurred by the Authority.

**ECONOMIC FACTORS AND NEXT YEAR'S BUDGET AND RATES**

The Authority is part of the Township's annual budget. Information regarding economic factors and next year's budget and rates for the Township are included in the Township's financial statements.

**REQUESTS FOR INFORMATION**

This financial report is designed to provide our citizens, taxpayers, customers, investors, and creditors with a general overview of the Authority's finances and to show the Authority's accountability for the funds it receives and disburses. If you have questions about this report or need additional information, please contact the Director of Finance at East Goshen Township, 1580 Paoli Pike, West Chester, PA 19380.

# EAST GOSHEN MUNICIPAL AUTHORITY

## STATEMENT OF NET POSITION

DECEMBER 31, 2023

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### ASSETS

#### CURRENT ASSETS

Cash and cash equivalents	\$	7,562
Current portion of lease rental receivable		563,000
Prepaid expenses		982
TOTAL CURRENT ASSETS		<u>571,544</u>

#### NONCURRENT ASSETS

Lease rental receivable, less current portion		<u>5,515,000</u>
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TOTAL ASSETS \$ 6,086,544

### LIABILITIES AND NET POSITION

#### CURRENT LIABILITIES

Accounts payable	\$	10,255
Accrued interest payable		3,792
Current portion of guaranteed notes payable		563,000
TOTAL CURRENT LIABILITIES		<u>577,047</u>

GUARANTEED NOTES PAYABLE, less current portion 5,515,000

TOTAL LIABILITIES 6,092,047

#### NET POSITION

Unrestricted (5,503)

TOTAL LIABILITIES AND NET POSITION \$ 6,086,544

*See accompanying notes to the basic financial statements.*

**EAST GOSHEN MUNICIPAL AUTHORITY**  
**STATEMENT OF REVENUES, EXPENSES AND**  
**CHANGES IN NET POSITION**  
**YEAR ENDED DECEMBER 31, 2023**

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OPERATING REVENUES	
Lease rental collections	\$ <u>780,619</u>
OPERATING EXPENSES	
East Goshen Township administrative charge	40,031
Engineering fees	48,135
Legal and accounting fees	19,173
Other administrative expenses	1,760
TOTAL OPERATING EXPENSES	<u>109,099</u>
OPERATING INCOME	<u>671,520</u>
NONOPERATING REVENUES (EXPENSES)	
Investment income	287
Tapping fees	6,920
Payments from East Goshen Township	789,165
Payments to East Goshen Township	(542,000)
Payments to Other Governments	(182,262)
Capital contribution to East Goshen Township	(681,550)
TOTAL NONOPERATING REVENUES (EXPENSES)	<u>(609,440)</u>
CHANGE IN NET POSITION	62,080
NET POSITION AT BEGINNING OF YEAR, RESTATED	<u>(67,583)</u>
NET POSITION AT END OF YEAR	<u><u>\$ (5,503)</u></u>

*See accompanying notes to the basic financial statements.*

# EAST GOSHEN MUNICIPAL AUTHORITY

## STATEMENT OF CASH FLOWS YEAR ENDED DECEMBER 31, 2023

CASH FLOWS FROM OPERATING ACTIVITIES	
Lease rental payments	\$ 780,619
Payments to suppliers	(168,450)
NET CASH PROVIDED BY OPERATING ACTIVITIES	<u>612,169</u>
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES	
Payments received for lease rental receivable	541,661
Payments from East Goshen Township	789,165
Payments to East Goshen Township	(542,000)
Payments to Other Governments	(182,262)
Capital contribution to East Goshen Township	(681,550)
NET CASH USED BY NONCAPITAL FINANCING ACTIVITIES	<u>(74,986)</u>
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES	
Tapping fees received	6,920
Principal payments on debt	(542,000)
NET CASH USED BY CAPITAL AND RELATED FINANCING ACTIVITIES	<u>(535,080)</u>
CASH FLOWS FROM INVESTING ACTIVITIES	
Investment income	<u>287</u>
NET INCREASE IN CASH AND CASH EQUIVALENTS	2,390
CASH AND CASH EQUIVALENTS AT BEGINNING OF YEAR	<u>5,172</u>
CASH AND CASH EQUIVALENTS AT END OF YEAR	<u>\$ 7,562</u>
RECONCILIATION OF OPERATING INCOME TO NET CASH PROVIDED BY OPERATING ACTIVITIES	
Operating income	\$ 671,520
Adjustments to reconcile operating income to net cash provided by operating activities	
Increase in prepaid expenses	(982)
Decrease in accounts payable	(58,369)
NET CASH PROVIDED BY OPERATING ACTIVITIES	<u>\$ 612,169</u>

See accompanying notes to the basic financial statements.

**EAST GOSHEN MUNICIPAL AUTHORITY**  
**NOTES TO THE BASIC FINANCIAL STATEMENTS**  
**DECEMBER 31, 2023**

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**NOTE A - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

East Goshen Municipal Authority (the "Authority") is a body corporate and politic, incorporated under the Municipal Authorities Act of 1945, P. L. 382, as amended, pursuant to ordinances enacted by East Goshen Township (the "Township"). The Authority was established in 1967 to finance construction of the Township's sewage collection and treatment facilities. The major function of the Authority is to provide financing for capital construction, expansion and upgrades to the Township's sewer plants and other facilities. The Township has the responsibility for daily operations of the sewer system through a leaseback arrangement with the Authority which expires in 2033. The Authority's members are appointed by the Township.

In preparing its separate financial statements, the Authority applies the following significant accounting policies:

**Measurement Focus and Basis of Accounting**

The Authority is a blended component unit of the Township. The Authority's activities are financed and operated as an enterprise fund. The accompanying financial statements of the Authority have been prepared using the economic resources measurement focus and the accrual basis of accounting in conformity with accounting principles generally accepted in the United States of America applicable to governmental entities as prescribed by the Government Accounting Standards Board (GASB). Under this method, revenues are recorded when earned, and expenses are recorded at the time liabilities are incurred, regardless of the timing of the related cash flows. Operating revenues and expenses generally result from providing services and leasing in connection with the Authority's ongoing operations. Operating expenses include engineering fees, legal and accounting fees, repairs and maintenance, and other administrative charges and expenses. All revenues and expenses not meeting this definition are recorded as nonoperating revenues or expenses. When an expense is incurred that can be paid using either restricted or unrestricted resources, it is the Authority's policy to first apply the expense towards restricted resources and then towards unrestricted resources.

**Cash and Cash Equivalents**

For purposes of the statement of cash flows, the Authority considers all highly liquid investments with an original maturity of three months or less and no restrictions on withdraws to be cash equivalents.

**Lease Rental Collections**

The lease agreement requires that the Township pay rents to the Authority equal to the amount of the Authority's monthly debt service on long-term guaranteed notes payable to the Delaware Valley Regional Finance Authority.

**Use of Estimates**

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.



**EAST GOSHEN MUNICIPAL AUTHORITY**  
**NOTES TO THE BASIC FINANCIAL STATEMENTS**  
**DECEMBER 31, 2023**

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**NOTE B - DEPOSITS AND INVESTMENTS**

**Custodial Credit Risk - Deposits**

Custodial credit risk is the risk that, in the event of a bank failure, the Authority's deposits may not be returned to it. The Authority uses both insurance provided by the Federal Deposit Insurance Corporation and collateralization to guard against custodial credit risk. Under the Authority's current policy, in addition to the insurance provided by the Federal Deposit Insurance Corporation, deposits held by banking institutions are fully collateralized. The Authority requires all of its banking partners to pledge collateral held by an independent third-party institution, not in the Authority's name, in the amount of at least 102% of the deposit value. As of December 31, 2023, the Authority's bank balance was \$82,087.

**Credit Risk**

Pennsylvania statutes authorize the Authority to invest in U.S. Treasury bills, short-term obligations of the U.S. Government, obligations of the U.S. Government or Commonwealth of Pennsylvania or political subdivisions of the Commonwealth that are backed by the full faith and credit of the issuing government and shares of authorized investment companies provided that all of the company investments are authorized investments for an authority.

In addition, the Authority may invest in bank deposits, savings accounts, or share accounts of institutions insured by the FDIC, FSLIC, or NCUSIF to the extent that such investments are insured and, where amounts exceed the insured maximums, that the depository pledge collateral as provided by Pennsylvania law.

**NOTE C - LEASE AGREEMENT**

The sewer system is maintained and operated by the Township under a long-term lease, which expires in 2033. The lease agreement requires that the Township pay rents to the Authority equal to the amount of the Authority's monthly debt service. Lease rental collections for 2023 are comprised of the following:

Payment for Authority debt service principal	\$ 542,000
Payment for Authority debt service interest	<u>238,619</u>
	<u>\$ 780,619</u>

The Authority's lease rental receivable is equal to the balances of the Guaranteed Notes, Series of 2008, and Series of 2013. Lease rental payments equal to the annual principal repayment of the notes are applied to reduce the receivable balance. The balance at December 31, 2023, was \$6,078,000. Future annual lease receipts of principal and interest will be equal to the annual debt service requirements for the Guaranteed Notes Payable as disclosed in Note D.

**EAST GOSHEN MUNICIPAL AUTHORITY**  
**NOTES TO THE BASIC FINANCIAL STATEMENTS**  
**DECEMBER 31, 2023**

**NOTE D - GUARANTEED NOTES PAYABLE**

The following is a summary of changes in guaranteed notes payable for the year ended December 31, 2023:

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending Balance</u>	<u>Due Within One Year</u>
NOTES					
Series of 2008	\$ 5,053,000	\$ -	\$ (421,000)	\$ 4,632,000	\$ 438,000
Series of 2013	<u>1,567,000</u>	<u>-</u>	<u>(121,000)</u>	<u>1,446,000</u>	<u>125,000</u>
	<u>\$ 6,620,000</u>	<u>\$ -</u>	<u>\$ (542,000)</u>	<u>\$ 6,078,000</u>	<u>\$ 563,000</u>

Notes payable consisted of:

Guaranteed Note, Series of 2008, to the DVRFA, interest, payable monthly, at a fixed rate of 3.96%, principal payable annually through 2032, subject to a swap agreement.	\$ 4,632,000
Guaranteed Note, Series of 2013, to the DVRFA, interest, payable monthly, at a fixed rate of 3.049%, principal payable annually through 2033, subject to a swap agreement.	<u>1,446,000</u>
	<u>\$ 6,078,000</u>

Annual debt service requirements are as follows:

<u>Year Ending December 31,</u>	<u>Principal Amount</u>	<u>Interest</u>	<u>Totals</u>
2024	\$ 563,000	\$ 227,516	\$ 790,516
2025	584,000	206,359	790,359
2026	606,000	184,408	790,408
2027	629,000	161,623	790,623
2028	654,000	137,962	791,962
2029 to 2033	<u>3,042,000</u>	<u>301,164</u>	<u>3,343,164</u>
	<u>\$ 6,078,000</u>	<u>\$ 1,219,032</u>	<u>\$ 7,297,032</u>

Funds to repay outstanding notes will be provided from the aforementioned lease agreement. Total interest paid during the year ended December 31, 2023, was \$238,280. None of the interest costs incurred were charged to expenditures for the year ended December 31, 2023. Total interest capitalized on East Goshen Township in 2023 was \$238,280.

**EAST GOSHEN MUNICIPAL AUTHORITY**  
**NOTES TO THE BASIC FINANCIAL STATEMENTS**  
**DECEMBER 31, 2023**

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**NOTE D - GUARANTEED NOTES PAYABLE (Continued)**

**Swap Agreement**

The Authority financed the Series of 2008 and 2013 notes through the DVRFA. The DVRFA has, in turn, entered into interest rate swap agreements with various counterparties to provide fixed interest rates to borrowers. These agreements may be terminated under the following circumstances: (1) DVRFA and the counterparty mutually consent to termination, (2) the borrower defaults on its loan, or (3) DVRFA or the counterparty default or their financial conditions deteriorate to make a default imminent. Upon termination, DVRFA would receive or make a payment depending on the market value of the related interest rate swap. If DVRFA were obligated to make such a payment and sufficient funds were not available, DVRFA could assess each borrower its allocable share of the termination payment.

At December 31, 2023, the market value of the Authority's interest rate swap agreements for fixed rate loans was \$(178,188) and for DVRFA bonds was \$217,265. As of December 31, 2023, DVRFA would have received a payment of nearly \$95.5 million if all of the swap agreements were terminated. None of these amounts are reflected in the Authority's statement of net position or statement of revenues, expenses, and changes in net position at December 31, 2023.

**NOTE E - PRIOR PERIOD ADJUSTMENT**

During the year, the Authority became aware of an adjustment needed to correct the grant receivable balance. As a result of the adjustment, the beginning net position decreased from (\$58,137) to (\$67,583) and the grant receivable balance decreased \$9,446 to \$0.

**NOTE F - SUBSEQUENT EVENTS**

Events and transactions subsequent to year end have been evaluated for potential recognition in the financial statements or disclosure in the notes to the financial statements. All events and transactions have been evaluated through March 18, 2024, which is the date the financial statements were available to be issued.

[Type here]

May \_\_, 2024

To the Board of Supervisors of East Goshen Township:

The East Goshen Municipal Authority (EGMA) is hereby requesting that East Goshen Township institute a sewer rate increase of \$40.00 per equivalent dwelling unit (EDU) per quarter starting July 2024. This sewer rate increase will provide a minimum level of sustainability for the Authority out to FY 2033 based on our 10-year financial plan developed over the last 2 years.

This rate increase only provides for a minimum level of investment in sewer infrastructure rehabilitation and results in a significant drawdown of the Sewer Capital Reserve Fund to \_\_\_\_\_. This rate increase does not include pre-emptive funding for catastrophic events such as the Hershey Mill Sanitary Replacement Project, which can easily run in the millions of dollars, accelerating the rate of sewer rehabilitation, or unforeseen events. Such events such as these would require an immediate rate increase to stabilize the EGMA finances.

The documents providing the basis of this request and the details of the EGMA financial position are available for your review. Partial documentation was provided to the Supervisors in the Agendas for the April 16<sup>th</sup> and May 7<sup>th</sup>, 2024 Board of Supervisors meetings.

Respectfully submitted,

East Goshen Municipal Authority

Dana R. Pizarro

Chairman

# Memo

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To: Board of Supervisors  
From: Dave Ware, Finance Director  
Re: Sewer Rate Increase Discussion  
Date: May 2, 2024

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This item is on the agenda to continue the conversation of a potential sewer rate increase in 2024 Q3, the possible amount of such an increase, and allow questions and requests for additional information from the Board of Supervisors.

At the request of the East Goshen Municipal Authority, I have drafted a 10-year analysis of our projected total sewer fund balance, with and without rate increases. An updated Inventory and Depreciation List for Ridley Creek Sanitary Treatment Plant (including Pump Stations and Collection System) indicates that East Goshen Township will need a minimum of \$3.3M to refurbish and/or replace capital assets currently in operation as they near the end of their life cycle. The projected Sewer Capital Reserve Fund balance as of December 31, 2024 is \$1.8M. That leaves a \$1.5M funding gap for the sanitary treatment plant. In addition, nearly 100 miles of sewer pipe needs to be televised, repaired and/or relined.

My annual projection assumptions include the following:

- Assume Sewer Reserve Funds are included with Sewer Operating Funds for simplicity in 2025
- Interest income of 2.5%
- 5% labor, construction, and materials increase; the 10-year average combined ENR index is 5.7%/year
- \$20K West Goshen Miscellaneous Capital contribution in addition to O&M

Please note that this analysis does **not** distinguish between variable rate increase and fixed rate increase, just an average total quarterly rate increase across 6,629 total customers. That analysis would follow once the total need is determined and agreed upon so that a fair and equitable split for customers (including water usage, multi-family housing, apartments, fixed vs variable cost assumptions, etc.).

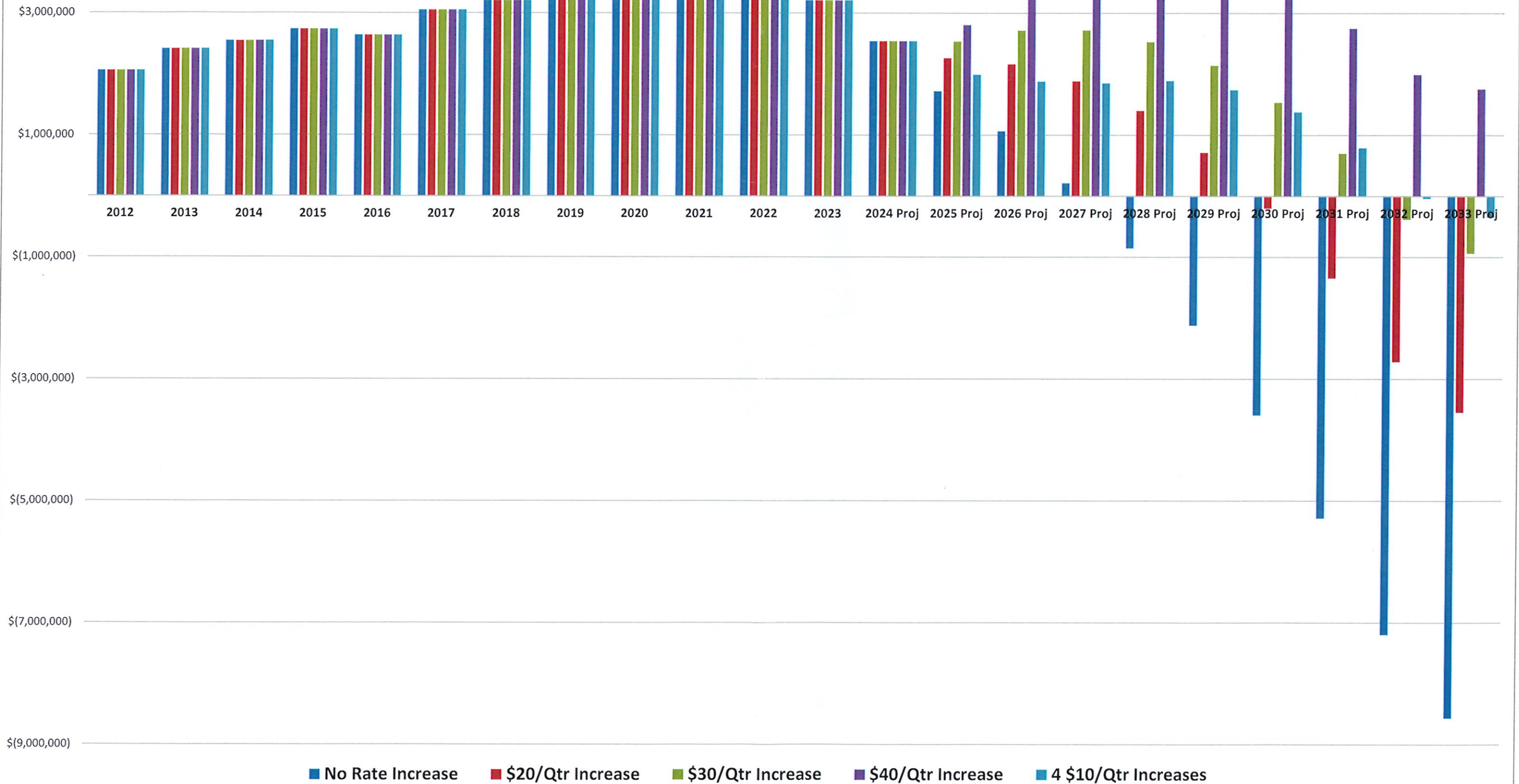
Two included attachments – one with @\$250K/year for relining old pipes, second with @\$600K/year:

- Graphs of 10-year ending total sewer fund balances comparison
  - Zero increase
  - \$20/quarter increase
  - \$30/quarter increase
  - \$40/quarter increase
  - \$10/quarter increase each of the next 4 years

Respectfully submitted for discussion,

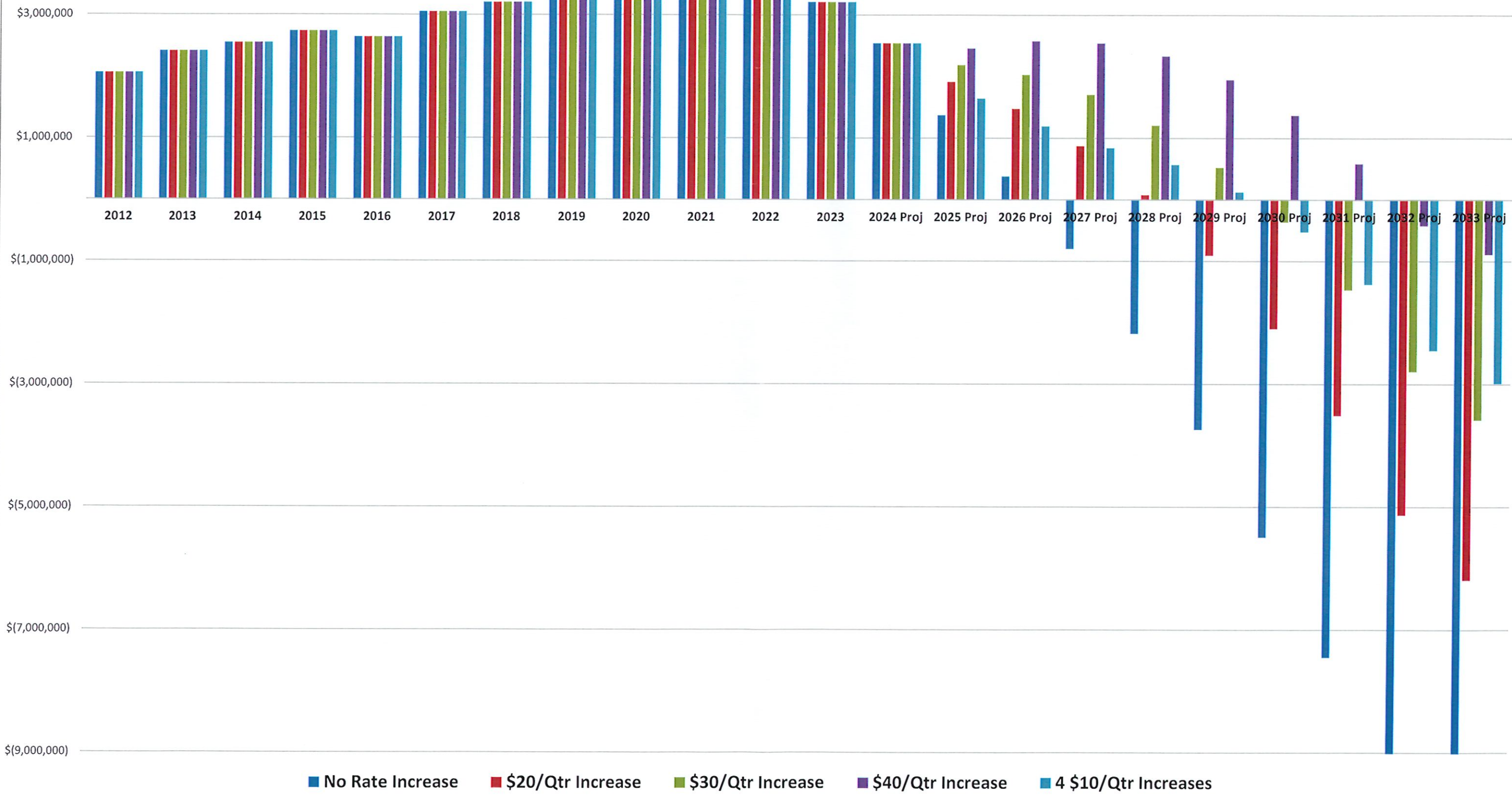
David Ware  
Finance Director  
East Goshen Township

## Ending Balance - Total Sewer Funds (\$250K/year Pipe Re-lining)



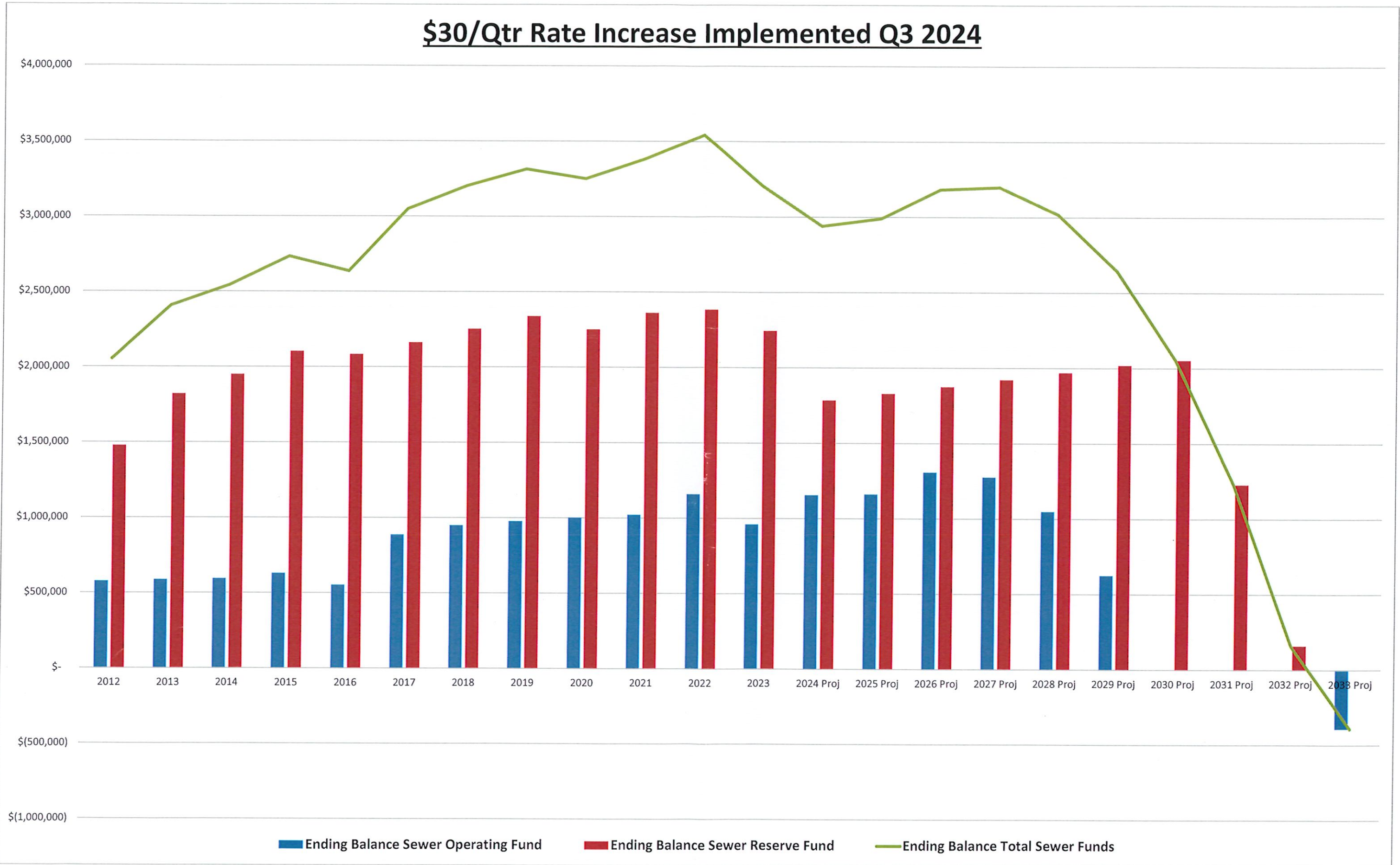


## Ending Balance - Total Sewer Funds (\$600K/year Pipe Re-lining)





## \$30/Qtr Rate Increase Implemented Q3 2024



**Notes:**

(1) Q3 2024 \$30/Qtr EDU increase

(2) 5% Annual Inflation used

(3) \$250K/yr Re-lining; \$300K/yr Capital Replacement used



## 30\$/Qtr Sewer Rate Increase Assumed Q3 2024 (Sewer Operating Fund)

ESTIMATED BEGINNING FUND BALANCE		\$ 1,158,669	\$ 959,642	\$ 1,155,324	\$ 1,160,650	\$ 1,307,120	\$ 1,275,898	\$ 1,047,874	\$ 624,989	\$ -	\$ -	\$ -	
Account Title	Acct #	Actual 2022	Actual 2023	Budget/Est 2024	Estimate 2025	Estimate 2026	Estimate 2027	Estimate 2028	Estimate 2029	Estimate 2030	Estimate 2031	Estimate 2032	Estimate 2033
<b>REVENUE</b>													
INTEREST EARNINGS	05-341-1000	\$ 7,664	\$ 44,735	\$ 30,000	\$ 28,883	\$ 29,016	\$ 32,678	\$ 31,897	\$ 26,197	\$ 15,625	\$ -	\$ -	\$ -
REVENUE - SEWER FEES	05-364-1000	\$ 3,749,490	\$ 4,092,350	\$ 4,497,740	\$ 4,895,480	\$ 4,895,480	\$ 4,895,480	\$ 4,895,480	\$ 4,895,480	\$ 4,895,480	\$ 4,895,480	\$ 4,895,480	\$ 4,895,480
REVENUE - SEWER PENALTIES	05-364-1010	\$ 34,559	\$ 37,697	\$ 27,476	\$ 45,095	\$ 45,095	\$ 45,095	\$ 45,095	\$ 45,095	\$ 45,095	\$ 45,095	\$ 45,095	\$ 45,095
REVENUE - LIEN PAYMENTS	05-364-1025	\$ 52,830	\$ 16,988	\$ 19,678	\$ 20,322	\$ 20,322	\$ 20,322	\$ 20,322	\$ 20,322	\$ 20,322	\$ 20,322	\$ 20,322	\$ 20,322
REVENUE - SEWER CERTIFICATION FEES	05-364-1030	\$ 4,270	\$ 2,850	\$ 2,173	\$ 3,409	\$ 3,409	\$ 3,409	\$ 3,409	\$ 3,409	\$ 3,409	\$ 3,409	\$ 3,409	\$ 3,409
REVENUE - WG CONVEYANCE FEE	05-364-1040	\$ 22,649	\$ 40,928	\$ 54,571	\$ 48,960	\$ 48,960	\$ 48,960	\$ 48,960	\$ 48,960	\$ 48,960	\$ 48,960	\$ 48,960	\$ 48,960
ADMIN.COST FROM WESTTOWN	05-364-1060	\$ 2,896	\$ 4,820	\$ 4,713	\$ 4,713	\$ 4,713	\$ 4,713	\$ 4,713	\$ 4,713	\$ 4,713	\$ 4,713	\$ 4,713	\$ 4,713
O&M FEES FOR BARKWAY PUMP STATION	05-364-1070	\$ 12,562	\$ 35,406	\$ 22,666	\$ 22,666	\$ 22,666	\$ 22,666	\$ 22,666	\$ 22,666	\$ 22,666	\$ 22,666	\$ 22,666	\$ 22,666
O&M FEES FOR ASHBRIDGE PUMP STATION	05-364-1080	\$ -	\$ 3,650	\$ 4,867	\$ 3,650	\$ 3,650	\$ 3,650	\$ 3,650	\$ 3,650	\$ 3,650	\$ 3,650	\$ 3,650	\$ 3,650
MISC SEWER REVENUE/FROM SEWER RESRV	05-380-1000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,933	\$ 875,341	\$ 1,098,686	\$ 164,533
SEWER INSURANCE CLAIMS	05-391-2000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
REIMB.PRINC.&INTEREST M.A	05-392-0710	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL REVENUE</b>		<b>\$ 3,886,920</b>	<b>\$ 4,279,424</b>	<b>\$ 4,663,884</b>	<b>\$ 5,073,180</b>	<b>\$ 5,073,313</b>	<b>\$ 5,076,975</b>	<b>\$ 5,076,194</b>	<b>\$ 5,070,493</b>	<b>\$ 5,076,854</b>	<b>\$ 5,919,638</b>	<b>\$ 6,142,982</b>	<b>\$ 5,208,829</b>
<b>CHESTER CREEK EXPENSES</b>													
C.C. METERS -WAGES	05-420-1400	\$ 14,175	\$ 2,654	\$ 2,104	\$ 2,813	\$ 2,954	\$ 3,102	\$ 3,257	\$ 3,420	\$ 3,591	\$ 3,770	\$ 3,959	\$ 4,157
C.C. INTERCEPTOR - WAGES	05-420-1401	\$ 16,865	\$ 39,561	\$ 22,600	\$ 41,935	\$ 44,032	\$ 46,233	\$ 48,545	\$ 50,972	\$ 53,521	\$ 56,197	\$ 59,006	\$ 61,957
C.C. COLLECTION - WAGES	05-420-1402	\$ 28,629	\$ 44,862	\$ 66,205	\$ 47,553	\$ 49,931	\$ 52,427	\$ 55,049	\$ 57,801	\$ 60,691	\$ 63,726	\$ 66,912	\$ 70,258
C.C. COLLECTION - WAGES - I&I	05-420-1404	\$ 1,282	\$ 1,629	\$ 1,700	\$ 1,727	\$ 1,813	\$ 1,904	\$ 1,999	\$ 2,099	\$ 2,204	\$ 2,314	\$ 2,430	\$ 2,551
ASHBRIDGE WAGES	05-420-1405	\$ 11,284	\$ 14,573	\$ 8,680	\$ 15,447	\$ 16,220	\$ 17,031	\$ 17,882	\$ 18,776	\$ 19,715	\$ 20,701	\$ 21,736	\$ 22,823
MILL VALLEY - WAGES	05-420-1406	\$ 10,925	\$ 12,279	\$ 8,207	\$ 13,016	\$ 13,667	\$ 14,350	\$ 15,068	\$ 15,821	\$ 16,612	\$ 17,443	\$ 18,315	\$ 19,231
C.C. METERS -VEHICLE OPER.	05-420-2510	\$ 10,286	\$ 1,493	\$ 1,343	\$ 1,582	\$ 1,662	\$ 1,745	\$ 1,832	\$ 1,923	\$ 2,020	\$ 2,121	\$ 2,227	\$ 2,338
C.C. INTERCPT-VEHICLE OPER	05-420-2511	\$ 13,750	\$ 15,228	\$ 16,401	\$ 16,141	\$ 16,949	\$ 17,796	\$ 18,686	\$ 19,620	\$ 20,601	\$ 21,631	\$ 22,713	\$ 23,848
C.C. COLLEC.-VEHICLE OPER.	05-420-2512	\$ 16,508	\$ 37,391	\$ 63,428	\$ 39,635	\$ 41,616	\$ 43,697	\$ 45,882	\$ 48,176	\$ 50,585	\$ 53,114	\$ 55,770	\$ 58,558
C.C. COLLECT.-VEH OPER - I&I	05-420-2514	\$ 778	\$ 5,353	\$ 5,500	\$ 5,674	\$ 5,958	\$ 6,256	\$ 6,569	\$ 6,897	\$ 7,242	\$ 7,604	\$ 7,984	\$ 8,383
ASHBRIDGE - VEHICLE OPER	05-420-2515	\$ 5,917	\$ 8,314	\$ 5,966	\$ 8,813	\$ 9,253	\$ 9,716	\$ 10,202	\$ 10,712	\$ 11,248	\$ 11,810	\$ 12,401	\$ 13,021
MILL VALLEY - VEHICLE OPER	05-420-2516	\$ 5,991	\$ 7,580	\$ 5,518	\$ 8,035	\$ 8,437	\$ 8,858	\$ 9,301	\$ 9,766	\$ 10,255	\$ 10,767	\$ 11,306	\$ 11,871
C.C. COLLEC.-PROF.SERVICES	05-420-3102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C.C. METERS - UTILITIES	05-420-3600	\$ 125	\$ 727	\$ 3,610	\$ 771	\$ 809	\$ 850	\$ 892	\$ 937	\$ 984	\$ 1,033	\$ 1,084	\$ 1,139
C.C. INTERCEPTOR-UTILITIES	05-420-3601	\$ 1,442	\$ 1,727	\$ 1,601	\$ 1,830	\$ 1,922	\$ 2,018	\$ 2,119	\$ 2,225	\$ 2,336	\$ 2,453	\$ 2,575	\$ 2,704
C.C. COLLECTION -UTILITIES	05-420-3602	\$ 8,741	\$ 9,669	\$ 9,048	\$ 10,249	\$ 10,762	\$ 11,300	\$ 11,865	\$ 12,458	\$ 13,081	\$ 13,735	\$ 14,422	\$ 15,143
ASHBRIDGE - UTILITIES	05-420-3603	\$ 6,492	\$ 6,313	\$ 6,553	\$ 6,692	\$ 7,026	\$ 7,378	\$ 7,746	\$ 8,134	\$ 8,540	\$ 8,967	\$ 9,416	\$ 9,887
MILL VAL./BARKWAY UTILITIES	05-420-3604	\$ 4,449	\$ 4,599	\$ 4,358	\$ 4,875	\$ 5,119	\$ 5,375	\$ 5,644	\$ 5,926	\$ 6,222	\$ 6,533	\$ 6,860	\$ 7,203
C.C. METERS-MAINT.& REPRS.	05-420-3700	\$ 13,616	\$ 8,254	\$ 6,580	\$ 8,750	\$ 9,187	\$ 9,647	\$ 10,129	\$ 10,635	\$ 11,167	\$ 11,725	\$ 12,312	\$ 12,927
C.C. INTERCEPT.-MAINT.&REP	05-420-3701	\$ 12,902	\$ 8,154	\$ 4,676	\$ 8,643	\$ 9,075	\$ 9,529	\$ 10,005	\$ 10,506	\$ 11,031	\$ 11,583	\$ 12,162	\$ 12,770
C.C. COLLEC.-MAINT.& REPR.	05-420-3702	\$ 41,160	\$ 116,140	\$ 50,000	\$ 61,554	\$ 64,632	\$ 67,864	\$ 71,257	\$ 74,820	\$ 78,561	\$ 82,489	\$ 86,613	\$ 90,944
C.C. INTERCEPT.-MAINT & REP - I&I	05-420-3703	\$ 5,499	\$ 3,618	\$ 4,969	\$ 3,835	\$ 4,027	\$ 4,228	\$ 4,440	\$ 4,662	\$ 4,895	\$ 5,139	\$ 5,396	\$ 5,666
C.C. COLLECT.-MAINT & REP - I&I	05-420-3704	\$ 7,844	\$ 6,586	\$ 9,045	\$ 6,981	\$ 7,330	\$ 7,697	\$ 8,082	\$ 8,486	\$ 8,910	\$ 9,356	\$ 9,824	\$ 10,315
ASHBRIDGE-MAINT.&REPR	05-420-3705	\$ 19,203	\$ 300	\$ 9,275	\$ 318	\$ 334	\$ 351	\$ 368	\$ 387	\$ 406	\$ 426	\$ 447	\$ 470
BARKWAY -MAINT.& REPR.	05-420-3706	\$ 525	\$ 200	\$ 137	\$ 212	\$ 223	\$ 234	\$ 245	\$ 258	\$ 271	\$ 284	\$ 298	\$ 313
C.C. WEST GOSHEN OPER/MAINT	05-420-3850	\$ 539,224	\$ 985,655	\$ 992,000	\$ 1,041,600	\$ 1,093,680	\$ 1,148,364	\$ 1,205,782	\$ 1,266,071	\$ 1,329,375	\$ 1,395,844	\$ 1,465,636	\$ 1,538,918
C.C. WEST GOSHEN MISC CAPITAL	05-420-3851	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
<b>TOTAL CHESTER CREEK EXPENSES</b>		<b>\$ 797,613</b>	<b>\$ 1,342,860</b>	<b>\$ 1,309,504</b>	<b>\$ 1,378,683</b>	<b>\$ 1,446,617</b>	<b>\$ 1,517,948</b>	<b>\$ 1,592,845</b>	<b>\$ 1,671,487</b>	<b>\$ 1,754,062</b>	<b>\$ 1,840,765</b>	<b>\$ 1,931,803</b>	<b>\$ 2,027,393</b>
<b>RIDLEY CREEK EXPENSES</b>													
R.C. STP- WAGES	05-422-1400	\$ 49,539	\$ 58,315	\$ 68,862	\$ 61,814	\$ 64,905	\$ 68,150	\$ 71,558	\$ 75,136	\$ 78,893	\$ 82,837	\$ 86,979	\$ 91,328
R.C. COLLEC.- WAGES	05-422-1401	\$ 33,001	\$ 47,998	\$ 56,589	\$ 50,877	\$ 53,421	\$ 56,092	\$ 58,897	\$ 61,842	\$ 64,934	\$ 68,181	\$ 71,590	\$ 75,169



## 30\$/Qtr Sewer Rate Increase Assumed Q3 2024 (Sewer Operating Fund)

ESTIMATED BEGINNING FUND BALANCE		\$ 1,158,669	\$ 959,642	\$ 1,155,324	\$ 1,160,650	\$ 1,307,120	\$ 1,275,898	\$ 1,047,874	\$ 624,989	\$ -	\$ -	\$ -	
Account Title	Acct #	Actual 2022	Actual 2023	Budget/Est 2024	Estimate 2025	Estimate 2026	Estimate 2027	Estimate 2028	Estimate 2029	Estimate 2030	Estimate 2031	Estimate 2032	Estimate 2033
R.C. COLLECTIONS WAGES I&I	05-422-1402	\$ 10,326	\$ 8,079	\$ 8,200	\$ 8,564	\$ 8,992	\$ 9,442	\$ 9,914	\$ 10,409	\$ 10,930	\$ 11,476	\$ 12,050	\$ 12,653
R.C. STP- CHEMICALS	05-422-2440	\$ 123,321	\$ 113,483	\$ 111,894	\$ 120,292	\$ 126,307	\$ 132,622	\$ 139,253	\$ 146,216	\$ 153,527	\$ 161,203	\$ 169,263	\$ 177,727
R.C. COLLEC.-CHEMICALS	05-422-2441	\$ -	\$ 11,204	\$ 7,577	\$ 11,877	\$ 12,470	\$ 13,094	\$ 13,749	\$ 14,436	\$ 15,158	\$ 15,916	\$ 16,711	\$ 17,547
R.C. STP-VEHICLE OPER.	05-422-2510	\$ 45,071	\$ 49,832	\$ 63,078	\$ 52,822	\$ 55,463	\$ 58,237	\$ 61,148	\$ 64,206	\$ 67,416	\$ 70,787	\$ 74,326	\$ 78,043
R.C. COLLEC-VEHICLE OPER.	05-422-2511	\$ 17,514	\$ 16,326	\$ 15,970	\$ 17,305	\$ 18,170	\$ 19,079	\$ 20,033	\$ 21,035	\$ 22,086	\$ 23,191	\$ 24,350	\$ 25,568
R.C. COLLECT.-VEH OPERATING - I&I	05-422-2512	\$ 7,545	\$ 8,381	\$ 8,400	\$ 8,884	\$ 9,329	\$ 9,795	\$ 10,285	\$ 10,799	\$ 11,339	\$ 11,906	\$ 12,501	\$ 13,126
R.C. STP-MINOR EQUIP.	05-422-2600	\$ -	\$ -	\$ 15,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
R.C. COLLEC.-MINOR EQUIP.	05-422-2601	\$ -	\$ 1,450	\$ 1,500	\$ 1,537	\$ 1,614	\$ 1,695	\$ 1,780	\$ 1,869	\$ 1,962	\$ 2,060	\$ 2,163	\$ 2,271
R.C. COLLEC.-PROF.SERVICE	05-422-3102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
R.C STP -UTILITIES	05-422-3600	\$ 90,915	\$ 97,389	\$ 92,325	\$ 103,232	\$ 108,394	\$ 113,814	\$ 119,504	\$ 125,480	\$ 131,754	\$ 138,341	\$ 145,258	\$ 152,521
R.C. COLLEC.-UTILITIES	05-422-3601	\$ 7,259	\$ 5,905	\$ 5,950	\$ 6,259	\$ 6,572	\$ 6,901	\$ 7,246	\$ 7,608	\$ 7,989	\$ 8,388	\$ 8,808	\$ 9,248
R.C. STP-MAINT.& REPAIRS	05-422-3700	\$ 100,546	\$ 85,025	\$ 85,360	\$ 90,126	\$ 94,633	\$ 99,364	\$ 104,332	\$ 109,549	\$ 115,026	\$ 120,778	\$ 126,817	\$ 133,157
R.C. COLLEC.-MAINT.& REPR	05-422-3701	\$ 57,922	\$ 44,811	\$ 47,455	\$ 47,500	\$ 49,875	\$ 52,369	\$ 54,987	\$ 57,737	\$ 60,624	\$ 63,655	\$ 66,837	\$ 70,179
R.C. COLLECTION-MAINT. & REP I&I	05-422-3702	\$ 32,078	\$ 23,566	\$ 31,888	\$ 24,980	\$ 26,229	\$ 27,540	\$ 28,917	\$ 30,363	\$ 31,881	\$ 33,475	\$ 35,149	\$ 36,906
RCSTP - APPLBROOK	05-422-3703	\$ -	\$ 7,278	\$ 9,675	\$ 7,715	\$ 8,101	\$ 8,506	\$ 8,931	\$ 9,378	\$ 9,847	\$ 10,339	\$ 10,856	\$ 11,399
R.C. STP-CONTRACTED SERV.	05-422-4500	\$ 214,511	\$ 230,878	\$ 301,062	\$ 304,072	\$ 307,113	\$ 310,184	\$ 313,286	\$ 316,419	\$ 319,583	\$ 322,779	\$ 326,006	\$ 329,267
R.C. SLUDGE-LAND CHESTER	05-422-4502	\$ 44,208	\$ 53,859	\$ 54,262	\$ 57,091	\$ 59,945	\$ 62,942	\$ 66,089	\$ 69,394	\$ 72,864	\$ 76,507	\$ 80,332	\$ 84,349
<b>TOTAL RIDLEY CREEK EXPENSES</b>		<b>\$ 833,754</b>	<b>\$ 863,781</b>	<b>\$ 985,645</b>	<b>\$ 974,949</b>	<b>\$ 1,011,534</b>	<b>\$ 1,049,826</b>	<b>\$ 1,089,910</b>	<b>\$ 1,131,874</b>	<b>\$ 1,175,811</b>	<b>\$ 1,221,818</b>	<b>\$ 1,269,998</b>	<b>\$ 1,320,458</b>
<b>ADMINISTRATION</b>													
MISCELLANEOUS EXPENSE	05-424-2700	\$ 182	\$ 182	\$ 250	\$ 193	\$ 203	\$ 213	\$ 223	\$ 234	\$ 246	\$ 259	\$ 271	\$ 285
ADMIN.- WAGES	05-429-1400	\$ 114,216	\$ 119,747	\$ 123,002	\$ 126,932	\$ 133,278	\$ 139,942	\$ 146,939	\$ 154,286	\$ 162,001	\$ 170,101	\$ 178,606	\$ 187,536
PA ONE CALL - WAGES	05-429-1401	\$ 6,801	\$ 12,865	\$ 9,171	\$ 13,637	\$ 14,319	\$ 15,035	\$ 15,786	\$ 16,576	\$ 17,404	\$ 18,275	\$ 19,188	\$ 20,148
PA ONE CALL - VEH OPER	05-429-2501	\$ 2,180	\$ 13,434	\$ 12,727	\$ 14,240	\$ 14,952	\$ 15,699	\$ 16,484	\$ 17,309	\$ 18,174	\$ 19,083	\$ 20,037	\$ 21,039
ADMIN.-COMPUTER EXPENSES	05-429-2600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ADMIN.-GENERAL EXPENSE	05-429-3000	\$ 37,811	\$ 46,448	\$ 1,312	\$ 49,235	\$ 51,696	\$ 54,281	\$ 56,995	\$ 59,845	\$ 62,837	\$ 65,979	\$ 69,278	\$ 72,742
ADMIN.-PAYMENT PORTAL	05-429-3001	\$ 7,661	\$ 7,792	\$ 7,812	\$ 8,260	\$ 8,673	\$ 9,107	\$ 9,562	\$ 10,040	\$ 10,542	\$ 11,069	\$ 11,623	\$ 12,204
ADMIN.- PROFESSIONAL SERV	05-429-3100	\$ 2,000	\$ 1,999	\$ 2,698	\$ 2,119	\$ 2,225	\$ 2,336	\$ 2,453	\$ 2,576	\$ 2,705	\$ 2,840	\$ 2,982	\$ 3,131
ADMIN - LEGAL	05-429-3140	\$ 675	\$ 4,068	\$ 4,787	\$ 4,312	\$ 4,528	\$ 4,754	\$ 4,992	\$ 5,242	\$ 5,504	\$ 5,779	\$ 6,068	\$ 6,371
ADMIN.- POSTAGE	05-429-3250	\$ 5,175	\$ 5,767	\$ 5,482	\$ 6,113	\$ 6,419	\$ 6,740	\$ 7,076	\$ 7,430	\$ 7,802	\$ 8,192	\$ 8,602	\$ 9,032
ADMIN. - PRINTING	05-429-3400	\$ 2,061	\$ 2,898	\$ 2,003	\$ 3,072	\$ 3,226	\$ 3,387	\$ 3,557	\$ 3,734	\$ 3,921	\$ 4,117	\$ 4,323	\$ 4,539
ADMIN.- INSURANCE	05-429-3500	\$ 32,611	\$ -	\$ 47,847	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ADMIN.-BLDG.OVERHEAD	05-429-3730	\$ 65,814	\$ 82,742	\$ 91,423	\$ 87,707	\$ 92,092	\$ 96,697	\$ 101,532	\$ 106,608	\$ 111,939	\$ 117,536	\$ 123,412	\$ 129,583
CONTR. SERV. SUMMIT HOUSE	05-429-4500	\$ 369,000	\$ 349,320	\$ 396,679	\$ 370,279	\$ 388,793	\$ 408,233	\$ 428,644	\$ 450,077	\$ 472,581	\$ 496,210	\$ 521,020	\$ 547,071
CONTR. SERV. CIDER KNOLL	05-429-4510	\$ 59,040	\$ 78,720	\$ 89,392	\$ 83,443	\$ 87,615	\$ 91,996	\$ 96,596	\$ 101,426	\$ 106,497	\$ 111,822	\$ 117,413	\$ 123,284
CONTR. SERV. MALVERN INSTITUTE	05-429-4520	\$ 7,949	\$ -	\$ 11,054	\$ 7,500	\$ 7,875	\$ 8,269	\$ 8,682	\$ 9,116	\$ 9,572	\$ 10,051	\$ 10,553	\$ 11,081
LOCK BOX FEE	05-429-5000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bank Fees	05-429-5001	\$ 1,495	\$ 1,265	\$ 1,380	\$ 1,341	\$ 1,408	\$ 1,478	\$ 1,552	\$ 1,630	\$ 1,711	\$ 1,797	\$ 1,887	\$ 1,981
DVRFA -DEBT SERV.-UPGRADE	05-471-7200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DVRFA--PRINCIPAL PMT ON \$9,500,000	05-471-7220	\$ 405,000	\$ 421,000	\$ 438,000	\$ 455,000	\$ 473,000	\$ 492,000	\$ 512,000	\$ 533,000	\$ 554,000	\$ 576,000	\$ 599,000	\$ -
DVRFA - PRINCIPAL ON DIVERSION LOAN	05-471-7240	\$ 117,000	\$ 121,000	\$ 125,000	\$ 129,000	\$ 133,000	\$ 137,000	\$ 142,000	\$ 146,000	\$ 151,000	\$ 156,000	\$ 161,000	\$ -
SERIES 2017 GO BONDS - PRINCIPAL	05-471-7250	\$ 125,000	\$ 130,000	\$ 135,000	\$ 135,000	\$ 140,000	\$ 145,000	\$ 155,000	\$ 150,000	\$ 155,000	\$ 160,000	\$ 160,000	\$ 165,000
DVRFA -INTEREST -UPGRADE	05-472-7200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DVRFA - INTEREST ON \$9,500,000 LOAN	05-472-7220	\$ 208,118	\$ 191,763	\$ 174,755	\$ 157,073	\$ 138,699	\$ 119,592	\$ 99,713	\$ 79,022	\$ 57,499	\$ 35,125	\$ 11,860	\$ -
DVRFA - INTEREST ON DIVERSION LOAN	05-472-7240	\$ 50,453	\$ 46,856	\$ 44,089	\$ 40,277	\$ 36,344	\$ 32,289	\$ 28,112	\$ 23,782	\$ 19,331	\$ 14,727	\$ 9,970	\$ -
SERIES 2017 GO BONDS - INTEREST	05-472-7250	\$ 66,789	\$ 61,789	\$ 59,189	\$ 56,489	\$ 53,789	\$ 50,989	\$ 47,908	\$ 44,645	\$ 40,895	\$ 36,245	\$ 31,445	\$ 26,645
TRANSFER TO CAPITAL RESERVE FUND	05-492-0300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



## 30\$/Qtr Sewer Rate Increase Assumed Q3 2024 (Sewer Operating Fund)

ESTIMATED BEGINNING FUND BALANCE		\$ 1,158,669	\$ 959,642	\$ 1,155,324	\$ 1,160,650	\$ 1,307,120	\$ 1,275,898	\$ 1,047,874	\$ 624,989	\$ -	\$ -	\$ -	
Account Title	Acct #	Actual 2022	Actual 2023	Budget/Est 2024	Estimate 2025	Estimate 2026	Estimate 2027	Estimate 2028	Estimate 2029	Estimate 2030	Estimate 2031	Estimate 2032	Estimate 2033
TRANSFER TO MUNIC AUTHORITY	05-492-0700	\$ 90,979	\$ 162,155	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
TRANSFER TO BOND FUND - SEWER	05-492-0805	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRANSFER TO SEWER CAPITAL RESERVE	05-492-0900	\$ 290,000	\$ 410,000	\$ 290,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TELEVISIONING/CLEANING/RELINING		\$ -	\$ -	\$ -	\$ 250,000	\$ 262,500	\$ 275,625	\$ 289,406	\$ 303,877	\$ 319,070	\$ 335,024	\$ 351,775	\$ 369,364
CAPITAL PROJECTS/UPGRADES/NEW		\$ -	\$ -	\$ -	\$ 613,000	\$ 314,058	\$ 329,761	\$ 346,249	\$ 363,562	\$ 381,740	\$ 400,827	\$ 420,868	\$ 441,912
<b>TOTAL ADMINISTRATIVE EXPENSES</b>		<b>\$ 2,118,013</b>	<b>\$ 2,271,810</b>	<b>\$ 2,173,053</b>	<b>\$ 2,714,222</b>	<b>\$ 2,468,692</b>	<b>\$ 2,540,423</b>	<b>\$ 2,621,463</b>	<b>\$ 2,690,017</b>	<b>\$ 2,771,971</b>	<b>\$ 2,857,055</b>	<b>\$ 2,941,182</b>	<b>\$ 2,252,946</b>
<b>TOTAL SEWER EXPENSES</b>		<b>\$ 3,749,379</b>	<b>\$ 4,478,451</b>	<b>\$ 4,468,202</b>	<b>\$ 5,067,854</b>	<b>\$ 4,926,843</b>	<b>\$ 5,108,197</b>	<b>\$ 5,304,218</b>	<b>\$ 5,493,378</b>	<b>\$ 5,701,843</b>	<b>\$ 5,919,638</b>	<b>\$ 6,142,982</b>	<b>\$ 5,600,797</b>
<b>NET RESULT FROM OPERATIONS</b>		<b>\$ 137,541</b>	<b>\$ (199,027)</b>	<b>\$ 195,682</b>	<b>\$ 5,326</b>	<b>\$ 146,470</b>	<b>\$ (31,222)</b>	<b>\$ (228,024)</b>	<b>\$ (422,884)</b>	<b>\$ (624,989)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (391,968)</b>
<b>ESTIMATED ENDING FUND BALANCE</b>		<b>\$ 1,158,669</b>	<b>\$ 959,642</b>	<b>\$ 1,155,324</b>	<b>\$ 1,160,650</b>	<b>\$ 1,307,120</b>	<b>\$ 1,275,898</b>	<b>\$ 1,047,874</b>	<b>\$ 624,989</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (391,968)</b>
<b>SEWER RESERVE ENDING FUND BALANCE</b>		<b>\$ 2,384,772</b>	<b>\$ 2,246,078</b>	<b>\$ 1,784,484</b>	<b>\$ 1,829,096</b>	<b>\$ 1,874,823</b>	<b>\$ 1,921,694</b>	<b>\$ 1,969,736</b>	<b>\$ 2,018,980</b>	<b>\$ 2,052,522</b>	<b>\$ 1,228,493</b>	<b>\$ 160,520</b>	<b>\$ -</b>
<b>COMBINED ENDING FUND BALANCE</b>		<b>\$ 3,543,441</b>	<b>\$ 3,205,720</b>	<b>\$ 2,939,808</b>	<b>\$ 2,989,746</b>	<b>\$ 3,181,943</b>	<b>\$ 3,197,592</b>	<b>\$ 3,017,610</b>	<b>\$ 2,643,969</b>	<b>\$ 2,052,522</b>	<b>\$ 1,228,493</b>	<b>\$ 160,520</b>	<b>\$ (391,968)</b>

## Sewer Capital Reserve Fund

ESTIMATED BEGINNING FUND BALANCE		\$ 2,384,772	\$ 2,246,078	\$ 1,784,484	\$ 1,829,096	\$ 1,874,823	\$ 1,921,694	\$ 1,969,736	\$ 2,018,980	\$ 2,052,522	\$ 1,228,493	\$ 160,520	
Account Title	Acct #	Actual 2022	Actual 2023	Budget/Est 2024	Estimate 2025	Estimate 2026	Estimate 2027	Estimate 2028	Estimate 2029	Estimate 2030	Estimate 2031	Estimate 2032	Estimate 2033
<b>REVENUE</b>													
INTEREST EARNINGS	09-341-1000	\$ 28,246	\$ 97,731	\$ 85,870	\$ 44,612	\$ 45,727	\$ 46,871	\$ 48,042	\$ 49,243	\$ 50,474	\$ 51,313	\$ 30,712	\$ 4,013
TRFR FROM SEWER OPERATING	09-342-0500	\$ 290,000	\$ 410,000	\$ 290,000	\$ 963,000	\$ 676,558	\$ 705,386	\$ 735,656	\$ 767,438	\$ 800,810	\$ 835,851	\$ 872,643	\$ 911,276
TRANSFER FROM MUNICIPAL FUND	09-392-0700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL REVENUE</b>		<b>\$ 318,246</b>	<b>\$ 507,731</b>	<b>\$ 375,870</b>	<b>\$ 1,007,612</b>	<b>\$ 722,286</b>	<b>\$ 752,257</b>	<b>\$ 783,698</b>	<b>\$ 816,682</b>	<b>\$ 851,285</b>	<b>\$ 887,164</b>	<b>\$ 903,356</b>	<b>\$ 915,289</b>
<b>EXPENSES</b>													
TRANSFER TO SEWER OPERATING	09-492-0800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,933	\$ 875,341	\$ 1,098,686	\$ 164,533
MACHINERY/EQUIPMENT - REPLACEMENT	09-429-7400	\$ 7,969	\$ 19,415	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MACHINERY/EQUIPMENT - NEW	09-429-7450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bank Fees	09-491-5001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRANSFER TO MUNIC AUTHORITY	09-492-0700	\$ 286,657	\$ 627,010	\$ 837,464	\$ 963,000	\$ 676,558	\$ 705,386	\$ 735,656	\$ 767,438	\$ 800,810	\$ 835,851	\$ 872,643	\$ 911,276
<b>TOTAL EXPENSES</b>		<b>\$ 294,626</b>	<b>\$ 646,425</b>	<b>\$ 837,464</b>	<b>\$ 963,000</b>	<b>\$ 676,558</b>	<b>\$ 705,386</b>	<b>\$ 735,656</b>	<b>\$ 767,438</b>	<b>\$ 817,743</b>	<b>\$ 1,711,192</b>	<b>\$ 1,971,329</b>	<b>\$ 1,075,808</b>
<b>NET RESULT FROM OPERATIONS</b>		<b>\$ 23,620</b>	<b>\$ (138,694)</b>	<b>\$ (461,594)</b>	<b>\$ 44,612</b>	<b>\$ 45,727</b>	<b>\$ 46,871</b>	<b>\$ 48,042</b>	<b>\$ 49,243</b>	<b>\$ 33,542</b>	<b>\$ (824,028)</b>	<b>\$ (1,067,973)</b>	<b>\$ (160,520)</b>
<b>ESTIMATED ENDING FUND BALANCE</b>		<b>\$ 2,384,772</b>	<b>\$ 2,246,078</b>	<b>\$ 1,784,484</b>	<b>\$ 1,829,096</b>	<b>\$ 1,874,823</b>	<b>\$ 1,921,694</b>	<b>\$ 1,969,736</b>	<b>\$ 2,018,980</b>	<b>\$ 2,052,522</b>	<b>\$ 1,228,493</b>	<b>\$ 160,520</b>	<b>\$ -</b>





Not To Scale  
 Long Scale

**Legend**

- Flood Zones
- Open Space
- Public Parks
- Private HOA Open Space
- Open Space

**OpenSpace**

- Public Parks
- Private HOA Open Space
- Open Space

**EAST GOSHEN TOWNSHIP  
 FEMA FLOOD ZONES  
 &  
 OPEN SPACE MAP**

DATE: June 24, 2020  
 FILE: F:\GIS\_Central\Current Spatial Data\ARCGIS\2020 Zoning Map\2020 FZDS MAP\Flood Zone Map.pdf  
 NOTES: Base map layers obtained by Chester County Open Data and clipped to East Goshen Township. Open Space symbolized to EGT.  
 CREATED BY: Gabrielle Long | glong@goshen.org

