



**LCA Main Office:**  
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Wescosville, PA 18106  
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**Agendas & Minutes Posted:**  
[www.lehighcountyauthority.org](http://www.lehighcountyauthority.org)

## LEHIGH COUNTY AUTHORITY

Published: July 15, 2024

### BOARD MEETING AGENDA – July 22, 2024 – 12:00 p.m.

**In-Person or Virtual Meeting Attendance Options Available:** Meetings of the LCA Board of Directors will be held at LCA's Main Office as well as online using the Zoom Meetings application, which includes a telephone option. Public participation is welcomed both in-person or virtually. Instructions for joining the meeting online or by phone are posted on the LCA website in the morning on the day of the meeting, prior to the start of each meeting. You may also issue comment to LCA via email to [LCABoard@lehighcountyauthority.org](mailto:LCABoard@lehighcountyauthority.org) in advance of any meeting or view the meeting at a later time by visiting the LCA website. Please visit <https://www.lehighcountyauthority.org/about/lca-board-meeting-videos/> for specific instructions to join the meeting if you are attending virtually. If attending in-person at LCA's Main Office, please follow all safety and sanitation protocols posted.

#### 1. Call to Order

- **NOTICE OF MEETING RECORDINGS**

Meetings of Lehigh County Authority's Board of Directors that are held at LCA's Main Office at 1053 Spruce Road, Wescosville, PA, may be recorded for viewing online at [lehighcountauthority.org](http://lehighcountauthority.org). Recordings of LCA meetings are for public convenience and internal use only and are not considered as minutes for the meeting being recorded, nor are they part of public record. Recordings may be retained or destroyed at LCA's discretion.

- *Public Participation Sign-In Request*

#### 2. Review of Agenda / Executive Sessions

- Additions to Agenda (vote required if action will be taken)

#### 3. Approval of Minutes

- *July 8, 2024 Board Meeting minutes*

#### 4. Public Comments

#### 5. Action / Discussion Items:

#### **FINANCE AND ADMINISTRATION**

- *LCA Strategic Plan – Progress Reporting (Approval) (yellow) (digital Board packet, pages 9-13)*

#### **WATER**

#### **WASTEWATER**

- *KIWWTP Secondary Digester Cleaning Project Change Order (Approval) (green) (digital Board packet, pages 14-18)*

#### 6. Monthly Project Updates / Information Items (1<sup>st</sup> Board meeting per month) (digital Board packet, pages)

#### 7. Monthly Financial Review (2<sup>nd</sup> Board meeting per month) (digital Board packet pages 19-31) – **June 2024 report attached**

#### 8. Monthly System Operations Overview (2<sup>nd</sup> Board meeting per month) (digital Board packet, pages 32-36) – **June 2024 report attached**

9. Staff Comments
10. Solicitor's Comments
11. Public Comments / Other Comments
12. Board Member Comments
13. Executive Sessions
14. Adjournment

<b>UPCOMING BOARD MEETINGS</b>		
August 12, 2024	August 26, 2024	September 9, 2024

**PUBLIC PARTICIPATION POLICY**

In accordance with Authority policy, members of the public shall record their name, address, and discussion item on the sign-in sheet at the start of each meeting; this information shall also be stated when addressing the meeting. During the Public Comment portions of the meeting, members of the public will be allowed 5 minutes to make comments/ask questions regarding non-agenda items, but time may be extended at the discretion of the Chair; comments/questions regarding agenda items may be addressed after the presentation of the agenda item. Members of the public may not request that specific items or language be included in the meeting minutes.

## **REGULAR MEETING MINUTES**

### **July 8, 2024**

The Regular Meeting of the Lehigh County Authority Board of Directors was called to order at 12:00 p.m. on Monday, July 8, 2024, Chairman Brian Nagle presiding. The meeting was hybrid via in-person and video and audio advanced communication technology (“ACT”), using the Zoom internet application, including telephone option. Each Board member and other attendees of the meeting were able to hear each other attendee and be heard by each other attendee. The public could also participate in the meeting in-person or via ACT, using the Zoom internet application, including telephone option. A Roll Call of Board members present was taken. Brian Nagle, Amir Famili, Ted Lyons, Jeff Morgan, Norma Cusick, Kevin Baker, Sean Ziller, and Marc Grammes were present for Roll Call and remained for the duration of the meeting.

Attorney Rich Campbell, the Authority’s Solicitor, was present along with Authority Staff, Liesel Gross, Ed Klein, Chris Moughan, Andrew Moore, AJ Capuzzi, Phil DePoe, Chuck Volk, Susan Sampson, and Lisa Miller.

Chairman Nagle announced that the Board received their electronic and hard copies of the Board packet in advance. A copy of the packet is also available online.

### **REVIEW OF AGENDA**

Liesel Gross announced that there are no changes to the agenda and no Executive Session is planned. She asked for a brief moment to make a staff introduction.

Andrew Moore introduced Genesis Rivera to the Board, who is one of five students participating in the Authority’s internship program this year. Ms. Rivera introduced herself and provided information on her education and career goals. The Board welcomed Ms. Rivera to the meeting.

### **APPROVAL OF MINUTES**

#### **June 24, 2024 Meeting Minutes**

On a motion by Jeff Morgan, seconded by Sean Ziller, the Board approved the minutes from the June 24, 2024 meeting as written (8-0).

### **PUBLIC COMMENTS**

None.

#### **Resolution No. 7-2024-1: Approval of Suburban Water Division & Suburban Wastewater Division Tapping Fees**

David Busch from Keystone Alliance Consulting, who prepared the fee calculation documents, was present and reviewed the report that was submitted to the Board with the Resolution. Liesel Gross commented that the water tapping fees were reformatted two years ago and consolidated into a common tapping fee except for the Arcadia West system. Wastewater is handled differently because the systems are smaller and subject to intermunicipal agreements. Chairman Nagle asked if there were any challenges to the fees. Ms. Gross commented that there are no outstanding challenges to the fees. She explained that the biggest user of the tapping fee schedule is the Western Lehigh sewer signatory group because those municipalities pass the fees to their new users. The sewer signatories are aware of the proposed changes to the tapping fees, which would go into effect on August 1, 2024, if adopted.

On a motion by Amir Famili, seconded by Jeff Morgan, the Board approved Resolution No. 7-2024-1 that establishes the Suburban Water Division and Suburban Wastewater Division Tapping Fees (8-0).

A roll call vote was taken with the following votes cast:

Brian Nagle - yes  
Amir Famili - yes  
Ted Lyons - yes  
Jeff Morgan - yes  
Norma Cusick - yes  
Kevin Baker - yes  
Sean Ziller - yes  
Marc Grammes - yes

### **LCA Operations Center Expansion**

Liesel Gross introduced the project noting that it has been in the Authority's Capital Plan for a number of years. This project will help create office space, collaborative workspaces for teams, and some consolidated storage space. She reviewed a variety of challenges the staff is facing in terms of having adequate work spaces for new hires, and maintaining appropriate accessible storage space for engineering plan files and other documents that the Authority is required to retain. Chuck Volk noted that D'Huy Engineering completed and Operations Center Expansion Feasibility Study to determine the size, layout, and budgetary numbers for an expansion of the Main Office complex.

Matt Dorner provided an overview and presentation of the two conceptual designs and options. Authority staff chose the exterior design of Option 1 and the interior design of Option 2. This provides for a contemporary design and extra office space. The design phase of the project will include geotechnical work, survey, permitting, land development, mechanical-electrical-plumbing, structural, and architectural elements. D'Huy has estimated a total cost for this project at approximately \$3.6 million.

Sean Ziller asked how the staff decided on the options and design elements. Liesel Gross explained that a team had reviewed the options and felt that the contemporary design was styled more to match the front of the building and the pricing was comparable. Amir Famili commented on the high cost and asked if staff have brought anyone in to look at utilizing the existing space and increasing efficiency rather than doing a costly addition. Ms. Gross said that staff have looked at several different options including interior renovations, expanded work-from-home arrangements, and renting space for file storage or for discrete departments. A prior review of rental space for a new customer service center found rental fees of approximately \$15,000 to \$20,000 per month. Chris Moughan commented that they looked at a centralized offsite Field Services 75,000 sq. ft. building and the cost was between \$50,000 and \$60,000 per month.

Mr. Famili asked how many more people can be accommodated with the addition. Ms. Gross estimated 10 new workspaces would be created with the proposed project, with additional storage space potential to be converted to additional offices in the future. Mr. Famili commented that if \$4 million dollars is a high price to pay, the Authority should be looking at all future needs with this project. Staff have been discussing the expanded project workload and the need to add staff, and it appears this proposed project will not provide adequate space for the future, but comes at a high cost. Norma Cusick asked if the Authority was working with a realtor. Ms. Gross explained that they had used a realtor when investigating renting the office space.

There was additional discussion regarding the expansion and additional questions that the Board would like to have answered. Chairman Nagle asked for the project to be tabled until the Board has further clarity. Ms. Gross stated that the staff would regroup internally and put this item back on the Board agenda when more information has been compiled for discussion.

### **Central Lehigh and North Whitehall Systems – Water Supply Study**

Mike Brown and Erin Laux from Gannett Fleming were in attendance to present the Source Water Study for the Central Lehigh and North Whitehall Divisions. The purpose of the assessment is to look at current source capacity versus current and future demands. Phil DePoe commented that the projections in the study correlate with the growth projections being used to develop the Act 537 Plan on the sewer system. The study revealed that the Central Lehigh Division currently has sufficient water for daily use, but the system is vulnerable to emergencies and needs additional emergency supply to maintain system reliability. The high priority alternatives to address the emergency supply need are to re-establish the Bortz interconnection with South Whitehall Township, re-establish the Interim Schantz Spring Booster station, and establish the Schantz Spring Transmission Main Emergency Interconnection with South Whitehall Township.

There was some discussion regarding current demand and emergency demands, as well as the unpredictable nature of inquiries from new large industrial users.

Medium-priority alternatives to address long term needs were discussed and reviewed. Those alternatives are modifying the agreement with Allentown to increase supply capacity at the Schantz Spring Interconnection, re-establish the Hamilton Boulevard Interconnection with South Whitehall Township, rehabilitation and upgrades to various well stations, and piping enhancements at the Applewood Interconnection. The low-priority alternatives are focused on upgrades to existing well sources. However, these alternatives have high capital costs and lower gains in terms of providing additional water supply.

The North Whitehall Division relies exclusively on an interconnection with the Northampton Borough Municipal Authority (NBMA) and will require an additional interconnection to NBMA to meet emergency demands for future needs. The next steps are to implement high priority alternatives to enhance reliable supply capacity, continuation of the master plan, and a continuous review of supply needs.

There was additional discussion about system vulnerabilities, as well as the interdependencies between the Allentown, South Whitehall Township, and Central Lehigh Division systems. Mike Brown reviewed the methodologies to review these vulnerabilities or ensure the high-priority recommendations would be successful

Phil DePoe explained that staff will begin pursuing the high-priority recommendations provided in the report, and projects incorporated into the Capital Plan. Other next steps include review of master planning and asset management requirements of the various water system facilities.

### **Water Filtration Plant: HVAC Upgrades – Phase 1**

Amy Rohrbach described the replacement of the HVAC system at the Water Filtration Plant to improve the heating and cooling of the occupied spaces and improve temperature control. The current system is aging and problematic. It also contains glycol which poses a risk factor to the plant in the event of a leak. The project will be done in two phases. Phase 1 will include the first-floor offices, customer service area and lobby. Phase 2 will include the first-floor lab and operations areas as well as second-floor spaces. Work will be staged to limit impact on existing operations.

There was some Board discussion regarding the use of a general contractor, and Ms. Rohrbach explained that the primary work is in the HVAC arena and the low bid contractor has skills and capabilities needed to complete any site work or construction tasks associated with the installation.

On a motion by Sean Ziller, seconded by Norma Cusick, the Board approved the Capital Project Authorization – Construction Phase in the amount of \$796,089.00 which includes the Professional Services Authorization – Construction Administration to CHA Consulting, Inc. (formerly D’Huy Engineering) in the amount of \$74,600.00, the General Construction Contract Award to ASL Refrigeration, Inc. in the amount of \$633,631.00, and the Electrical Construction Contract Award to Orlando Diefenderfer Electrical Contractors in the amount of \$47,858.00 (8-0).

### **Water Filtration Plant: Emergency Power Design**

Chuck Volk stated the main driver for this project is resiliency and redundancy for a separate power feed for the Water Filtration Plant. The current dual electrical power feeds from PPL Electric Utilities originate from the same PPL substation which is not recommended because it is possible that a disruption at the PPL substation could leave the plant without backup power. Amy Rohrbach described the Method of Supply letter required by PPL and the construction scope. The Board asked if a generator was feasible. Ms. Rohrbach said a generator was reviewed in a prior study and was found to be more costly in terms of upfront capital expense as well as ongoing operational and maintenance expense.

On a motion by Marc Grammes, seconded by Amir Famili, the Board approved the Capital Project Authorization to PPL Electric Utilities in the amount of \$779,000.00 and the Letter of Authorization to PPL Electric Utilities (8-0).

### **Spring Creek Force Main Condition Assessment**

Amy Kunkel provided an overview of the Spring Creek Force Main that is 25 years old. The Spring Creek Pump Station has transitioned from a peak wet weather relief station to a daily mode of operation to address surcharges sections of the Western Lehigh Interceptor. A shutdown of the pump station would trigger dry and wet weather overflows in the Western Lehigh Interceptor. The Authority would like Arcadis to conduct an assessment of the condition of the force main and will focus on nine locations where deterioration is most likely to occur. This condition assessment will be used to scope additional rehabilitations projects for inclusion in the regional Act 537 Plan that is currently under development.

Jeff Morgan asked if Authority staff could do the excavations required for the inspections. Ms. Kunkel said that field staff will assist the consultant with clearing access and opening manholes but does not have the manpower to do the actual digs. There was some discussion regarding potential outcomes of the inspection and rehabilitation methodologies that may be required.

On a motion by Sean Ziller, seconded by Norma Cusick, the Board approved the Capital Project Authorization: Planning Phase in the amount of \$205,000.00 which includes the Professional Services authorization to Arcadis in the amount of \$190,000.00 (8-0).

### **Spring Creek Force Main Relocation - PA Turnpike Commission**

Chuck Volk explained this project is part of the Pennsylvania Turnpike widening project and bridge replacement on Lower Macungie Road. The Spring Creek Force Main is impacted by the project requiring the relocation of approximately 1,800 linear feet of 24-inch main. The force main will be relocated within newly required state, Turnpike, and Township rights-of-way and will cross under Interstate 476. Amy Kunkel explained that the project will be funded by the Turnpike Commission at

50 percent for the existing facilities in the Township, PennDOT and Turnpike Commission rights-of-way, and 100% reimbursed for existing facilities located in private easements.

Sean Ziller asked for clarification on the funding when the final reimbursable amount will be determined by the Turnpike Commission, and Ms. Kunkel explained this information will be provided to the Authority at the completion of construction. Some additional Board discussion followed regarding project sequencing to maintain operability of the facility during construction.

On a motion by Norma Cusick, seconded by Jeff Morgan, the Board approved the Capital Project Authorization – Construction Phase in the amount of \$841,055.72 which includes the Pennsylvania Turnpike Commission’s Cost Sharing Agreement in the amount of \$821,055.72 (8-0).

### **Emergency Declaration: Emergency Sewer Main Repair on Ellsworth Street**

Chris Moughan explained that on June 22, 2024, Authority emergency crews were dispatched to a small sinkhole on Ellsworth Street in Allentown. After a thorough inspection of the water system, all was found in good operating condition. The team proceeded to jet the sewer line to look for damage. Upon visual inspection, the crews found a collapsed section of 15-inch main. Staff responded to the urgency of the situation, noting that the sewage flows from the Iron Pigs Stadium is directed into the damaged line and they had a home game scheduled later that evening and another on Sunday. Scheuermann Excavating was called upon to execute a time-sensitive repair on the line. After the emergency repair, crews conducted a CCTV inspection which revealed multiple additional cracks, fractures, and broken section of pipe. Replacement of the entire sewer main and manholes is in process. The contractor estimates the total repair cost to be between \$200,000 and \$250,000.

On a motion by Ted Lyons, seconded by Sean Ziller, the Board approved the emergency declaration retroactively to June 22, 2024 to cover expenses incurred as a result of the emergency and waive standard purchasing guidelines as a result of acting as expeditiously as possible to address the emergency (8-0).

### **MONTHLY PROJECT UPDATES / INFORMATION ITEMS**

Liesel Gross reviewed the July 2024 report and noted that there are numerous items for the July 22 meeting. The Operations Center project will be brought back at a later meeting. She noted that staff have been working with the Solicitor to prepare a draft Resolution related to the Board’s delegation of duties, and a discussion on this topic will be scheduled in August. She also noted that the 2025-2029 Capital Plans will be distributed for review and comment beginning in August. Ms. Gross noted that there are a few projects listed in the report as being in “project closeout” phase, which will be removed from the list in August.

Jeff Morgan noted the project in the report regarding Chemically Enhanced Primary Treatment for the Kline’s Island Wastewater Treatment Plant, and suggested staff discuss this project with the City of Bethlehem, where a similar project was recently completed.

### **STAFF COMMENTS**

None.

### **SOLICITOR’S COMMENTS**

None.

### **PUBLIC COMMENTS / OTHER COMMENTS**

None.

**BOARD MEMBER COMMENTS**

None.

**EXECUTIVE SESSION**

None.

**ADJOURNMENT**

There being no further business, the Chairman adjourned the meeting at 2:06 p.m.

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Jeffrey J. Morgan  
Secretary



# LCA Strategic Plan (2022-2027)

## 2024 Semi-Annual Progress Report: July 2024

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### Overview

Lehigh County Authority (LCA) adopted an updated Strategic Plan in December 2021, which included a refreshed look at our Mission, Vision, Values and Priorities. An ambitious list of strategies, activities, and tasks were developed to support the achievement of LCA’s plan over the next five years. This progress report was developed to help our employees and Board of Directors keep a sharp focus on the plan and, specifically, the work we plan to achieve in the current year. While not all inclusive, milestones outlined in this report describe the breadth of activities LCA will focus on in 2024. A dashboard of key performance indicators is included on the last page of this report. Any questions about this report should be directed to LCA’s Chief Executive Officer, Liesel Gross.

### KISS Act 537 Plan

#### 2024 Target:

Complete development of Kline’s Island Sewer System (KISS) Act 537 Plan in a form that can be issued to KISS municipalities for adoption in 2025.

#### 2024 Progress (7/1/2024):

- Final selection of technical solutions is nearing completion.
- Deep stakeholder engagement on Pretreatment Plant (PTP) future is nearing completion.
- Intermunicipal cost-sharing agreements under review, with legal support in place.
- Significant work ongoing to coordinate technical reviews and details with each KISS municipality.

#### 2024 Work Outstanding:

- Finalize all technical inputs to the Act 537 Plan, including PTP final solution and municipal inputs for inflow and infiltration (I&I) plans, maps, etc.
- Significant work required on intermunicipal agreements, cost-sharing, and new programs such as for sewage billing meters, regional I&I approaches, and high-strength surcharge program.
- Write the plan and complete internal reviews.
- Conduct public open house meetings to share plan details including future rate projections.
- Incorporate public input into final plan document; prepare to kick-off municipal approval process.

### Tyler EERP Implementation

#### 2024 Target:

Full re-implementation of Tyler EERP system with updated financial structure and additional modules to support cross-organizational process improvement. Preparation for a January 1, 2024 “go live” date.

#### 2024 Progress (7/1/2024):

- Updated financial structure (General Ledger) is fully redesigned and implemented.
- Deep review of previously unused Human Capital Management (HCM) module is under way.
- Initial phases of financial process improvements is in progress.

## 2024 Work Outstanding:

- Finalized implementation of HCM; integration with Payroll and Employee Self-Service modules.
- Full implementation of financial process improvements and new modules: Project Accounting, Inventory, Purchasing, etc.
- Migration of existing utility billing data, and implementation of Customer Access module.
- Employee training and process documentation.

## Lead Program

### 2024 Target:

Substantial completion of Cycle 1 Lead Service Line (LSL) replacement program with grant funds secured for Cycle 2. Achieve October 2024 regulatory deadlines for LSL inventory submission and public communication.

### 2024 Progress (7/1/2024):

- Board adoption of LSL Replacement Policy and customer agreement for LSL replacements.
- Cycle 1 bid documents being finalized for publication; Pennvest grant/loan closing preparations.
- Cycle 2 scope nearing finalization, preparing for Pennvest grant application by 7/31/2024.
- Ongoing collaboration with City of Allentown on many project details related to cost-recovery, coordination with water main replacement work, paving requirements, plumbing code requirements, and more.
- Draft public interface developed for display of LSL location records.

### 2024 Work Outstanding:

- Hire Lead Program Manager and Lead Replacement Project Manager.
- Begin construction phase of Cycle 1 and design phase of Cycle 2 projects.
- Finalize program details with City of Allentown to support future phases of LSL replacement.
- Prepare LSL inventory in format acceptable to Pa. Department of Environmental Protection.
- Implement advanced public outreach strategies to increase engagement in Cycle 2 project and achieve regulatory requirements for public notification.

## Asset Management

### 2024 Target:

Complete facility specific Asset Management Plans (AMPs) for at least two critical facilities using new standardized risk scoring system. Develop internal staff capacity for continued implementation of the Strategy Asset Management Plan roadmap.

### 2024 Progress (7/1/2024):

- Facilities selected for 2024 AMPs: Kline's Island Wastewater Treatment Plant and Lynn Township Wastewater Treatment Plant.
- External consultant on board to develop the Kline's Island AMP, to ensure compliance with Allentown Lease Agreement requirements.
- Internal staff working collaboratively on Lynn Township AMP.
- Internal staff review of updates Computerized Maintenance Management System (CMMS) options to better manage vertical assets.

### 2024 Work Outstanding:

- Hire Asset Management Engineer.
- Complete two facility-specific AMPs already under way; determine if additional AMPs can be completed in 2024.
- Decide on future CMMS implementation: enhance current CityWorks process, or new system.
- Complete implementation of ProCore for enhancements to project management processes; integrate with Tyler EERP implementation of Project Accounting module.

## Employee Engagement & Safety

### 2024 Target:

Enhance the capture of safety data from daily operations to improve metrics and responses to increase employee safety, safety awareness, and compliance. Develop employee and workforce engagement programs related to enhanced onboarding program and a new internship program.

### 2024 Progress (7/1/2024):

- New Safety Manager and Human Resource Manager hired; onboarding nearing completion.
- Employee Health & Safety (EHS) Steering Committee working with new Safety Manager on full review of operational and safety protocols.
- WaterWORKS internship program developed; five interns on board for summer 2024.

### 2024 Work Outstanding:

- Fill vacant Human Resources positions.
- Evaluate WaterWORKS internship program and develop enhancements for 2025.
- Evaluate and recommend enhancements to current Excel-based safety incident management system to support increased visibility of safety metrics and more consistent employee reporting.

## Staffing & Building Plan

### 2024 Target:

Develop future staffing plan to address rapidly expanding project workload. Complete review of workspace requirements for expanded staffing.

### 2024 Progress (7/1/2024):

- Utility benchmarking survey completed to identify best practices and areas of opportunity for LCA related to staffing adequacy for core utility functions.
- Initial 2024 staff additions reviewed and approved by LCA Board.
- Initiate office building “master plan” review to identify rehabilitation and upgrade needs.
- Nearing complete digitization of engineering plans; files moved off-site to create work space.
- Initial concepts developed for Main Office expansion and lead program office consolidation.
- Preliminary design under way for Capital Works area to create additional work spaces.

### 2024 Work Outstanding:

- Develop staffing plans for 2025 and beyond; include succession planning component.
- Review potential purchase of property adjacent to Main Office.
- Consolidate various planning efforts into single plan for future employee work space.

## Other High-Priority Goals

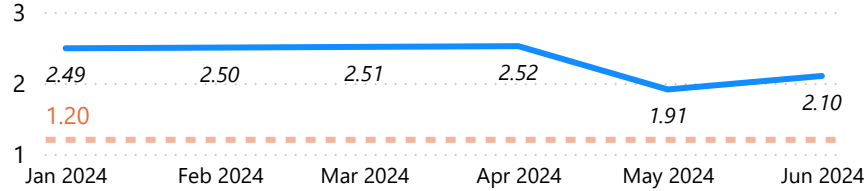
### Discussion:

There are many additional high-priority goals that LCA seeks to achieve in 2024. Some major items are listed below as a reminder to staff and the Board of their importance. Progress on these goals will be ongoing, and may be raised or lowered on the priority list as new information is developed.

- Adopt Resolution updating and consolidating delegated duties and authorization thresholds.
- Complete Sand Spring Wastewater Treatment Plant upgrade to support regulatory compliance.
- Initiate design phase for PFAS treatment for Allentown and Buss Acres water systems.
- Complete review and update of Emergency Response and Risk & Resiliency plans.
- Pursue additional grant funding for high-priority projects.

## Financial

### 2024 Debt Service Coverage Ratio - Total LCA



### Debt Service Coverage Ratio - Current

City Division	Suburban Wastewater	Suburban Water
1.86	5.14	2.15

### Unrestricted Days Cash On Hand

City Division	Suburban Wastewater	Suburban Water
512	215	414

\* Target of 180 days.

## Customer Care

DEVELOPING METRIC

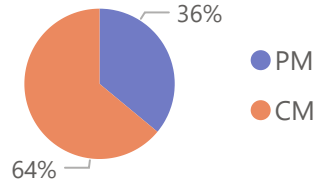
## Capital Program

DEVELOPING METRIC

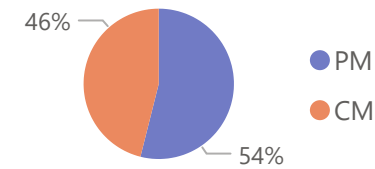
## Asset Management

### 2024 Corrective Maintenance vs. Preventative Maintenance Hours

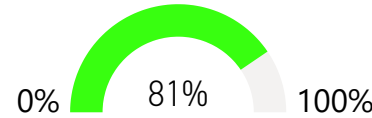
#### Field Services



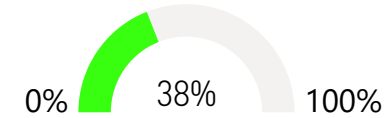
#### Plants



#### Field Services Program Design



#### Plant Program Design



\*Metric to show 2023 progress on preventative maintenance program redesign and implementation

## Safety

# Days No Vehicle Accident

21

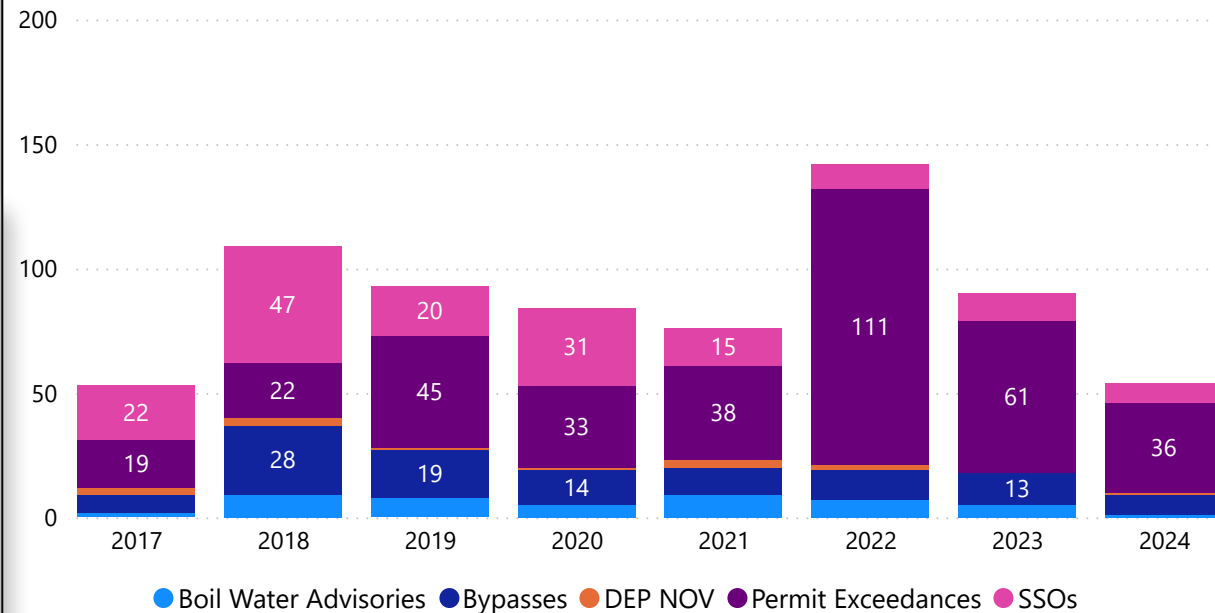
# Days No Lost Time

258

# Of Recordable Injuries YTD

0

## Environmental Compliance



## Employees

Total Employees

171

Average Age

46.1

Average Yrs of Service

10.2

Total Vacancies

10

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# MEMORANDUM

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**Date:** July 22, 2024

**To:** Lehigh County Authority Board of Directors  
**From:** Amy Rohrbach, Project Manager  
**Subject:** Allentown Division – KIWWTP: Secondary Digester Cleaning - Construction Change Order

**MOTIONS / APPROVALS REQUESTED:**

No.	Item	Amount
1	Capital Project Authorization – Construction Phase	\$57,181.95
2 <sup>(1)</sup>	Construction Change Order – Romesberg Trucking, Inc. dba Mobile Solids Solutions	\$57,181.95

*(1) Included in the Capital Project Authorization.*

**PROJECT OVERVIEW:**

Cleaning of the three (3) digester tanks is performed on a 5-year cycle rotation at Kline’s Island Wastewater Treatment Plant (KIWWTP). Capital Project Authorization for cleaning of the Secondary Digester was granted by the Board on February 12, 2024. Based on prior tank cleanings, a quantity of 200 dry tons was estimated and used for bidding purposes. The work was performed by Romesberg Trucking Inc., dba Mobile Solids Solutions. At the conclusion of the tank cleaning, a total of 273.16 dry tons was removed. A change order for the additional material above the original bid quantity is now requested.

**FINANCIAL:**

This Project will be funded by the LCA Allentown Division.

**PROJECT STATUS:**

The project received Capital Project Authorization from the Board on 2/12/2024 and a Notice to Proceed issued 4/1/2024. The digester cleaning was completed 6/5/2024.

**THIS APPROVAL – CONSTRUCTION CHANGE ORDER:**

The construction phase included activities that are necessary to clean the Secondary Digester. The General Contractor began removal of solids from the Secondary Digester on 5/2/2024 and completed cleaning on 6/5/2024. The contract estimated 200 dry tons of solids; however, when the cleaning was completed, a total of 273.16 dry tons was removed. A change order is necessary to compensate the contractor for the additional 73.16 dry tons over the original bid quantity which will be paid at the original bid unit price. Quantities exceeded the bid estimate due to the secondary digester experiencing an upset on the stratification of the solids and liquids causing plant staff to not draw down the digester as much as in past cleanings, prior to our dewatering contractor arriving on site. Operations staff is investigating the reasoning and will take any necessary corrective actions. The total increase to the contract with Romesberg Trucking, Inc. dba Mobile Solids Solutions is \$57,181.95.

**PROFESSIONAL SERVICES:**

GHD Inc. provided construction engineering services for the construction phase of the project, no additional services are required.

**PROJECT SCHEDULE:**

The project is complete.

**FUTURE AUTHORIZATIONS:**

No future authorizations are anticipated for this project.

# Change Order No. 1

Date of Issuance: July 5<sup>th</sup>, 2024

Effective Date: July 5<sup>th</sup>, 2024

Project: Secondary Digester Cleaning and Improvements	Owner: Lehigh County Authority	Owner's Contract No.: AD-S-24-1
Contract: Contract #1 – General Construction		Date of Contract: April 1 <sup>st</sup> , 2024
Contractor: Romesberg Trucking, Inc. dba Mobile Solids Solutions		Engineer's Project No.: 12624141

**The Contract Documents are modified as follows upon execution of this Change Order:**

**Description:**

Final balancing change order accounting for actual dry tons of material removed from the Secondary Digester in the amount of \$57,181.95.

**Attachments (list documents supporting change):**

Hauling summary spreadsheet prepared by Lehigh County Authority.

**CHANGE IN CONTRACT PRICE:**

**CHANGE IN CONTRACT TIMES:**

Original Contract Price:

\$265,000.00

[Increase] [Decrease] from previously approved Change Orders No. N/A to No. N/A:

\$N/A

Contract Price prior to this Change Order:

\$265,000.00

[Increase] [~~Decrease~~] of this Change Order:

\$57,181.95

Contract Price incorporating this Change Order:

\$322,181.95

Original Contract Times:  Working days  Calendar days

Substantial completion (days or date): 55 days

Ready for final payment (days or date): 60 days

[Increase] [Decrease] from previously approved Change Orders No. N/A to No. N/A:

Substantial completion (days): N/A

Ready for final payment (days): N/A

Contract Times prior to this Change Order:

Substantial completion (days or date): 55 days

Ready for final payment (days or date): 60 days

[Increase] [Decrease] of this Change Order:

Substantial completion (days or date): N/A

Ready for final payment (days or date): N/A

Contract Times with all approved Change Orders:

Substantial completion (days or date): 55 days

Ready for final payment (days or date): 60 days

**RECOMMENDED:**

By: Charles J. Winslow  
Engineer

Date: 7/5/2024

Approved by Funding Agency (if applicable):  
\_\_\_\_\_

**ACCEPTED:**

By: \_\_\_\_\_  
Owner

Date: \_\_\_\_\_

**ACCEPTED:**

By: Roger Romesberg Jr.  
Contractor

Date: 7/5/2024

Date: \_\_\_\_\_



## 2024 Secondary Digester Cleanout

Load	Date:	% of Solids	TRL#	Ticket#	Pounds:	Tons:	Lbs x % of Solids	Tons x % of Solids
1	5/2/2024	24.65%	7669	12695109	44240	22.12	10905.16	5.45
2	5/3/2024	37.74%	7673	12695110	41440	20.72	15639.46	7.82
3	5/6/2024	25.35%	7669	12695111	44900	22.45	11382.15	5.69
4	5/7/2024	18.37%	7673	12695112	31820	15.91	5845.33	2.92
5	5/7/2024	23.29%	7669	12695113	49640	24.82	11561.16	5.78
6	5/8/2024	32.70%	7668	12695114	47340	23.67	15480.18	7.74
7	5/8/2024	34.60%	7669	12695115	46860	23.43	16213.56	8.11
8	5/9/2024	37.71%	7668	12695116	42200	21.10	15913.62	7.96
9	5/9/2024	39.71%	7669	12695117	38940	19.47	15463.07	7.73
10	5/13/2024	40.22%	7668	12695118	42720	21.36	17181.98	8.59
11	5/14/2024	38.08%	7669	12695119	42680	21.34	16252.54	8.13
12	5/15/2024	34.92%	7668	12695120	42120	21.06	14708.30	7.35
13	5/15/2024	37.54%	7669	12695121	45800	22.90	17193.32	8.60
14	5/16/2024	40.80%	7668	12695122	40540	20.27	16540.32	8.27
15	5/16/2024	37.27%	7672	12695123	43820	21.91	16331.71	8.17
16	5/20/2024	34.13%	7669	12695124	43400	21.70	14812.42	7.41
17	5/21/2024	42.05%	7668	12695125	43280	21.64	18199.24	9.10
18	5/21/2024	35.05%	7672	12695126	45580	22.79	15975.79	7.99
19	5/22/2024	35.98%	7668	12695127	45260	22.63	16284.55	8.14
20	5/22/2024	36.10%	7669	12695128	45540	22.77	16439.94	8.22
21	5/23/2024	39.33%	7672	12695129	44840	22.42	17635.57	8.82
22	5/25/2024	43.52%	7668	12695130	44680	22.34	19444.74	9.72
23	5/28/2024	41.38%	7669	12695131	49180	24.59	20350.68	10.18
24	5/28/2024	40.21%	7672	12695132	49300	24.65	19823.53	9.91
25	5/29/2024	42.19%	7668	12695133	50000	25.00	21095.00	10.55
26	5/29/2024	36.42%	7669	12695134	48320	24.16	17598.14	8.80
27	5/30/2024	35.00%	7672	12695135	48000	24.00	16800.00	8.40
28	5/30/2024	39.38%	7668	12695136	46280	23.14	18225.06	9.11
29	5/31/2024	37.68%	7672	12695137	49740	24.87	18742.03	9.37
30	6/3/2024	40.87%	7664	12695138	50040	25.02	20451.35	10.23
31	6/3/2024	41.21%	7672	12695139	38740	19.85	15964.75	8.18
32	6/4/2024	42.78%	7666	12695140	50320	25.16	21526.90	10.76
33	6/5/2024	42.78%	7672	12695141	50321	23.32	21527.32	9.98
							<b>Total Dry Tons:</b>	<b>273.16</b>

# CAPITAL PROJECT AUTHORIZATION

<b>PROJECT NO.:</b>	AD-S-A	<b>BUDGET FUND:</b>	Allentown Div\WW\Capital
<b>PROJECT TITLE:</b>	Allentown Division – KIWWTP Secondary Digester Cleaning – Construction Change Order	<b>PROJECT TYPE:</b>	<input checked="" type="checkbox"/> Construction <input type="checkbox"/> Engineering Design <input type="checkbox"/> Equipment Purchase <input type="checkbox"/> Amendment No. 1
<b>THIS AUTHORIZATION:</b>	\$57,181.95		
<b>TO DATE (W/ ABOVE)</b>	\$371,081.95		

**DESCRIPTION AND BENEFITS:**

Cleaning of the three (3) digester tanks is performed on a 5-year cycle rotation at Kline’s Island Wastewater Treatment Plant (KIWWTP). Capital Project Authorization for cleaning of the Secondary Digester was granted by the Board on February 12, 2024. Based on prior tank cleanings, a quantity of 200 dry tons was estimated and used for bidding purposes. The work was performed by Romesberg Trucking Inc., dba Mobile Solids Solutions. At the conclusion of the tank cleaning, a total of 273.16 dry tons was removed. A change order for the additional material above the original bid quantity is now requested.

**AUTHORIZATION STATUS:**











































Prior Authorizations	
<i>Design Phase – GHD, Inc.</i>	\$21,000
<i>General Contract: Romesberg Trucking, Inc. dba Mobile Solids Solutions</i>	\$265,000
<i>Construction Administration Services: GHD, Inc.</i>	\$17,900
<i>Staff</i>	\$5,000
<i>Contingencies</i>	\$5,000
Requested This Authorization – Construction Change Order	
<b>Construction Change Order: Romesberg Trucking, Inc. dba Mobile Solids Solutions</b>	<b>\$57,181.95</b>
<b>Total This Authorization</b>	<b>\$57,181.95</b>
<b>Future Authorizations</b>	<b>NONE ANTICIPATED</b>

**REVIEW AND APPROVALS:**

<i>Amy Rohrbach</i>	7/22/2024		
Project Manager	Date	Chief Executive Officer	Date
Chief Capital Works Officer	Date	Chairman	Date

**LEHIGH COUNTY AUTHORITY  
FINANCIAL STATEMENTS  
JUNE 2024**

**LEHIGH COUNTY AUTHORITY  
YTD SUMMARY SCORESHEET  
APRIL 2024**

	<u>Sub W</u>	<u>Sub WW</u>	<u>City</u>
YTD Net income >0			
YTD Net income >= FC			
YTD Cash Flow >0			
YTD Cash Flow >= FC			
YTD DSCR >= FC			
YTD DSCR >= 1.20			
YTD Operating Ratio >= 1.00			
YTD Operating Ratio >= Budget Target			
YTD Days Cash on Hand >= 180.0			
YTD Operating Revenues >= FC			
YTD Operating Expenses <= FC			
FY FC Net Income >= Budget			
FY FC Cash Flows >=Budget			
FY FC DSCR >= Budget			
<b>TOTAL GREEN</b>	<u><u><b>14</b></u></u>	<u><u><b>10</b></u></u>	<u><u><b>13</b></u></u>

LEHIGH COUNTY AUTHORITY  
 FINANCIAL STATEMENTS - SUMMARY  
 For the Period Ended June 30, 2024

	Consolidated Financial Statements														
	Month					Year To Date					FULL YEAR				
	Actual	Q2 FC	Prior Year	FC Var	PY Var	Actual	Q2 FC	Prior Year	FC Var	PY Var	Q2 FC	Budget	Prior Year	Bud Var	PY Var
<b>Income Statement</b>															
Suburban Water	388,626	135,253	191,687	253,374	196,940	1,215,332	739,839	1,239,645	475,493	(24,313)	2,348,377	2,019,922	8,266,955	328,455	(5,918,577)
Suburban Wastewater	(182,699)	(593,973)	(448,703)	411,273	266,003	(448,909)	(858,880)	53,845	409,971	(502,754)	(1,461,583)	(1,632,719)	(334,302)	171,136	(1,127,281)
City Division	3,519,493	696,947	821,725	2,822,545	2,697,768	5,378,711	1,643,516	6,699,115	3,735,196	(1,320,404)	10,385,586	14,844,627	7,787,339	(4,459,041)	2,598,248
Total LCA	3,725,419	238,227	564,708	3,487,192	3,160,711	6,145,135	1,524,475	7,992,605	4,620,659	(1,847,470)	11,272,381	15,231,830	15,719,991	(3,959,449)	(4,447,610)
<b>Cash Flow Statement</b>															
Suburban Water	243,366	72,185	(859,522)	171,181	1,102,888	4,909,023	4,549,000	4,141,186	360,023	767,838	1,778,377	1,446,849	3,429,573	331,529	(1,651,196)
Suburban Wastewater	(3,702,772)	(3,133,290)	(474,618)	(569,482)	(3,228,154)	(1,626,087)	(1,697,625)	4,262,873	71,538	(5,888,960)	349,361	347,045	2,938,224	2,316	(2,588,863)
City Division	(2,432,733)	(7,295,601)	(3,086,609)	4,862,868	653,876	58,202,709	47,960,988	7,343,037	10,241,722	50,859,672	42,821,438	2,940,507	13,827,652	39,880,931	28,993,786
Total LCA	(5,892,140)	(10,356,707)	(4,420,750)	4,464,567	(1,471,390)	61,485,646	50,812,363	15,747,096	10,673,283	45,738,550	44,949,176	4,734,400	20,195,449	40,214,776	24,753,727
<b>Debt Service Coverage Ratio</b>															
Suburban Water	2.72	1.59	1.98	1.13	0.74	2.15	1.77	2.04	0.38	0.11	2.10	1.96	3.97	0.14	(1.87)
Suburban Wastewater	4.06	(0.33)	1.40	4.39	2.65	5.14	4.33	8.99	0.82	(3.84)	4.80	4.67	9.02	0.14	(4.21)
City Division	3.01	1.81	2.27	1.20	0.74	1.86	1.53	2.53	0.33	(0.66)	2.20	2.13	2.38	0.06	(0.19)

**LEHIGH COUNTY AUTHORITY  
CONSOLIDATED FINANCIAL STATEMENTS  
For the Period Ended June 30, 2024**

STATEMENTS OF ACTIVITIES	Consolidated Financial Statements															
	Month				Year To Date				Q2 FULL YEAR FORECAST				Full Year Budget			
	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA
<b>Operating Revenues:</b>																
User Charges	1,412,768	1,456,335	4,970,770	7,839,873	8,154,789	9,527,915	27,620,475	45,303,179	17,524,394	19,201,227	56,018,070	92,743,692	17,485,300	19,128,454	55,555,506	92,169,260
Connection & System Charges	40,044	78,641	210,117	328,802	442,589	580,810	1,265,666	2,289,066	1,034,156	1,652,882	3,529,115	6,216,153	950,850	1,695,900	3,609,600	6,256,350
Other Miscellaneous Revenues	2,070	30	9,850	11,950	54,140	165	179,106	233,411	176,276	2,618	86,448	265,342	177,724	2,900	89,800	270,424
<b>Total Operating Revenues</b>	<b>1,454,882</b>	<b>1,535,006</b>	<b>5,190,737</b>	<b>8,180,625</b>	<b>8,651,518</b>	<b>10,108,891</b>	<b>29,065,247</b>	<b>47,825,656</b>	<b>18,734,826</b>	<b>20,856,727</b>	<b>59,633,634</b>	<b>99,225,187</b>	<b>18,613,874</b>	<b>20,827,254</b>	<b>59,254,906</b>	<b>98,696,034</b>
<b>Operating Expenses:</b>																
Personnel	157,793	31,811	862,755	1,052,359	1,944,936	827,766	5,753,569	8,526,271	4,271,437	1,740,118	13,927,623	19,939,178	4,269,081	1,766,601	13,986,737	20,022,419
Shared Services - General & Administrative	17,680	22,030	197,085	236,794	416,494	177,183	1,136,110	1,729,787	1,066,844	428,822	2,446,827	3,942,493	1,136,102	456,840	2,545,190	4,138,132
Utilities	39,643	21,739	117,200	178,583	261,521	154,507	900,401	1,316,430	531,376	320,045	2,018,931	2,870,352	537,998	313,870	2,063,922	2,915,790
Materials and Supplies	65,619	20,136	231,802	317,556	357,917	170,982	1,485,769	2,014,668	1,086,624	472,867	3,280,826	4,840,316	1,197,810	518,722	3,251,300	4,967,832
Miscellaneous Services	458,318	540,467	137,423	1,136,209	2,260,280	3,440,969	762,968	6,464,217	4,706,969	7,492,424	2,332,686	14,532,079	4,806,151	7,631,900	2,397,011	14,834,252
Treatment and Transportation	-	559,523	-	559,523	-	2,555,355	5,656	2,561,011	-	4,689,486	11,400	4,700,886	-	4,529,540	11,400	4,540,940
Depreciation and Amortization	297,790	575,538	515,561	1,388,889	1,786,741	3,453,226	3,093,366	8,333,333	3,650,624	7,031,500	6,260,297	16,942,421	3,517,000	7,031,500	6,169,850	16,718,350
Major Maintenance Expenses	-	-	848	848	-	-	18,310	18,310	-	-	4,000,000	4,000,000	-	-	4,000,000	4,000,000
Other Miscellaneous	-	-	-	-	-	-	-	-	93,100	22,100	-	115,200	93,100	22,100	-	115,200
<b>Total Operating Expenses</b>	<b>1,036,843</b>	<b>1,771,244</b>	<b>2,062,673</b>	<b>4,870,761</b>	<b>7,027,889</b>	<b>10,779,988</b>	<b>13,156,150</b>	<b>30,964,027</b>	<b>15,406,973</b>	<b>22,197,362</b>	<b>34,278,590</b>	<b>71,882,925</b>	<b>15,557,242</b>	<b>22,270,263</b>	<b>34,425,410</b>	<b>72,252,915</b>
<b>Net Operating Profit</b>	<b>418,039</b>	<b>(236,238)</b>	<b>3,128,064</b>	<b>3,309,864</b>	<b>1,623,630</b>	<b>(671,098)</b>	<b>15,909,097</b>	<b>16,861,629</b>	<b>3,327,853</b>	<b>(1,340,635)</b>	<b>25,355,045</b>	<b>27,342,262</b>	<b>3,056,632</b>	<b>(1,443,009)</b>	<b>24,829,496</b>	<b>26,443,119</b>
<b>Non-Operating Income (Expense)</b>																
Interest Income	57,175	53,353	548,578	659,106	261,668	284,859	2,192,071	2,738,598	198,236	202,188	1,397,689	1,798,113	130,452	130,271	984,881	1,245,604
Interest (Expense)	(88,998)	(11,859)	(157,149)	(258,006)	(675,786)	(73,202)	(7,326,310)	(8,075,298)	(1,174,641)	(178,764)	(19,703,642)	(21,057,047)	(1,167,162)	(185,934)	(19,703,642)	(21,056,738)
Other Miscellaneous	2,411	12,045	-	14,455	5,821	10,532	(5,396,147)	(5,379,795)	(3,070)	(144,372)	3,336,495	3,189,053	-	(134,047)	8,733,892	8,599,845
<b>Net Non-Operating Income (Expense)</b>	<b>(29,412)</b>	<b>53,538</b>	<b>391,429</b>	<b>415,555</b>	<b>(408,297)</b>	<b>222,189</b>	<b>(10,530,386)</b>	<b>(10,716,495)</b>	<b>(979,475)</b>	<b>(120,948)</b>	<b>(14,969,458)</b>	<b>(16,069,881)</b>	<b>(1,036,710)</b>	<b>(189,710)</b>	<b>(9,984,869)</b>	<b>(11,211,289)</b>
<b>Net Income (Loss)</b>	<b>388,626</b>	<b>(182,699)</b>	<b>3,519,493</b>	<b>3,725,419</b>	<b>1,215,332</b>	<b>(448,909)</b>	<b>5,378,711</b>	<b>6,145,135</b>	<b>2,348,377</b>	<b>(1,461,583)</b>	<b>10,385,586</b>	<b>11,272,381</b>	<b>2,019,922</b>	<b>(1,632,719)</b>	<b>14,844,627</b>	<b>15,231,830</b>
<b>CASH FLOW STATEMENT</b>																
<b>Cash Flows From Operating Activities</b>																
Operating Revenues	1,454,882	1,535,006	5,190,737	8,180,625	8,651,518	10,108,891	29,065,247	47,825,656	18,734,826	20,856,727	59,633,634	99,225,187	18,613,874	20,827,254	59,254,906	98,696,034
Operating Expenses (ex D&A)	(739,053)	(1,195,706)	(1,546,265)	(3,481,024)	(5,241,148)	(7,326,762)	(10,044,474)	(22,612,384)	(11,756,350)	(15,165,862)	(24,018,292)	(50,940,504)	(12,040,242)	(15,238,763)	(24,255,560)	(51,534,565)
Non-Cash Working Capital Changes	(12,915)	(1,956,120)	(1,280,692)	(3,249,727)	(212,820)	(1,148,486)	(3,661,857)	(5,023,163)	(138,029)	(361,650)	(2,327,630)	(2,827,309)	1	(200,000)	(135,999)	(335,999)
<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>702,914</b>	<b>(1,616,820)</b>	<b>2,363,780</b>	<b>1,449,874</b>	<b>3,197,550</b>	<b>1,633,643</b>	<b>15,358,917</b>	<b>20,190,110</b>	<b>6,840,447</b>	<b>5,329,215</b>	<b>33,287,712</b>	<b>45,457,374</b>	<b>6,573,633</b>	<b>5,388,491</b>	<b>34,863,347</b>	<b>46,825,470</b>
<b>Cash Flows From Financing Activities</b>																
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	5,241,371	-	55,000,000	60,241,371	5,230,000	7,175,000	55,000,000	67,405,000	5,230,000	7,175,000	8,555,508	20,960,508
Interest Payments	(856)	(11,383)	(4,328,821)	(4,341,060)	(381,238)	(70,349)	(4,334,361)	(4,785,947)	(1,167,162)	(185,934)	(13,318,734)	(14,671,830)	(1,167,162)	(185,934)	(13,315,397)	(14,668,493)
Principal Payments	(6,387)	(49,167)	(5,211)	(60,765)	(38,200)	(293,559)	(723,395)	(1,055,154)	(2,254,324)	(1,010,486)	(2,945,000)	(6,209,810)	(2,254,324)	(1,010,486)	(2,945,000)	(6,209,810)
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>(7,243)</b>	<b>(60,551)</b>	<b>(4,334,032)</b>	<b>(4,401,825)</b>	<b>4,821,933</b>	<b>(363,908)</b>	<b>49,942,244</b>	<b>54,400,269</b>	<b>1,808,514</b>	<b>5,978,580</b>	<b>38,736,266</b>	<b>46,523,360</b>	<b>1,808,514</b>	<b>5,978,580</b>	<b>(7,704,889)</b>	<b>82,205</b>
<b>Cash Flows From Capital and Related Activities</b>																
Non-Operating Income (Expenses)	2,411	12,045	-	14,455	5,821	10,532	(5,396,147)	(5,379,795)	(3,070)	(144,372)	2,028,271	1,880,829	-	(134,047)	7,425,668	7,291,621
Capital Expenditures, net	(756,892)	(1,845,798)	(1,011,060)	(3,613,750)	(3,622,949)	(3,435,212)	(3,894,375)	(10,952,536)	(7,065,750)	(11,516,250)	(32,628,500)	(51,210,500)	(7,065,750)	(11,516,250)	(32,628,500)	(51,210,500)
<b>Net Cash Provided by (Used in) Capital and Related Activities</b>	<b>(754,481)</b>	<b>(1,833,754)</b>	<b>(1,011,060)</b>	<b>(3,599,295)</b>	<b>(3,617,128)</b>	<b>(3,424,680)</b>	<b>(9,290,522)</b>	<b>(16,332,331)</b>	<b>(7,068,820)</b>	<b>(11,660,622)</b>	<b>(30,600,229)</b>	<b>(49,329,671)</b>	<b>(7,065,750)</b>	<b>(11,650,297)</b>	<b>(25,202,832)</b>	<b>(43,918,879)</b>
<b>Cash Flows From Investing Activities</b>																
Investments Converting To Cash	245,000	245,000	-	490,000	490,000	1,673,000	-	2,163,000	490,000	1,673,000	-	2,163,000	-	500,000	-	500,000
Purchased Investments	-	(490,000)	-	(490,000)	(245,000)	(1,429,000)	-	(1,674,000)	(490,000)	(1,173,000)	-	(1,663,000)	-	-	-	-
Interest Income	57,175	53,353	548,578	659,106	261,668	284,859	2,192,071	2,738,598	198,236	202,188	1,397,689	1,798,113	130,452	130,271	984,881	1,245,604
<b>Net Cash Provided by (Used in) Investing Activities</b>	<b>302,175</b>	<b>(191,647)</b>	<b>548,578</b>	<b>659,106</b>	<b>506,668</b>	<b>528,859</b>	<b>2,192,071</b>	<b>3,227,598</b>	<b>198,236</b>	<b>702,188</b>	<b>1,397,689</b>	<b>2,298,113</b>	<b>130,452</b>	<b>630,271</b>	<b>984,881</b>	<b>1,745,604</b>
<b>FUND NET CASH FLOWS</b>	<b>243,366</b>	<b>(3,702,722)</b>	<b>(2,432,733)</b>	<b>(5,892,140)</b>	<b>4,909,023</b>	<b>(1,626,087)</b>	<b>58,202,709</b>	<b>61,485,646</b>	<b>1,778,377</b>	<b>349,361</b>	<b>42,821,438</b>	<b>44,949,176</b>	<b>1,446,849</b>	<b>347,045</b>	<b>2,940,507</b>	<b>4,734,400</b>
<b>DEBT SERVICE RATIO</b>																
<b>Debt Service Ratio (Indenture Based)</b>																
Total Operating Revenues	1,412,768	1,456,335	4,970,770	7,839,873	8,154,789	9,527,915	27,620,475	45,303,179	17,524,394	19,201,227	56,018,070	92,743,692	17,485,300	19,128,454	55,555,506	92,169,260
Total Operating Expenses (Cash Based)	(739,053)	(1,195,706)	(1,547,112)	(3,481,872)	(5,241,148)	(7,326,762)	(10,062,784)	(22,630,694)	(11,756,350)	(15,165,862)	(24,018,292)	(50,940,504)	(12,040,242)	(15,238,763)	(24,255,560)	(51,534,565)
Interest Income	57,175	53,353	548,578	659,106	261,668	284,859	2,192,071	2,738,598	198,236	202,188	1,397,689	1,798,113	130,452	130,271	984,881	1,245,604
Annual Lease Payment (City)	-	-	(109,019)	(109,019)	-	-	(654,112)	(654,112)	-	-	(1,308,224)	(1,308,224)	-	-	(1,308,224)	(1,308,224)
Total Non-Operating Revenues (Expenses)	44,525	90,715	219,967	355,207	502,550	591,507	(3,951,374)	(2,857,317)	1,207,362	1,511,128	3,615,564	6,334,050	1,128,574	1,564,753	3,699,400	6,392,727
<b>Cash Available For Debt Service</b>	<b>775,415</b>	<b>404,697</b>	<b>4,083,184</b>	<b>5,263,296</b>	<b>3,677,859</b>	<b>3,077,519</b>	<b>15,144,276</b>	<b>21,899,653</b>	<b>7,173,642</b>	<b>5,748,681</b>	<b>35,704,807</b>	<b>48,627,130</b>	<b>6,704,084</b>	<b>5,584,715</b>	<b>34,676,003</b>	<b>46,964,802</b>
Interest Paid	97,264	15,495	1,109,894	1,222,652	583,581	92,967	6,659,367	7,335,915	1,167,162	185,934	13,318,734	14,671,830	1,167,162	185,934	13,315,397	14,668,493
Debt Retirement (Principal Payments)	187,860	84,207	245,417	517,484	1,127,162	505,243	1,472,500	3,104,905	2,254,324	1,010,486	2,945,000	6,209,810	2,254,324	1,010,486	2,945,000	6,209,810
<b>Total Debt Service</b>	<b>285,124</b>	<b>99,702</b>	<b>1,355,311</b>	<b>1,740,137</b>	<b>1,710,743</b>	<b>598,210</b>	<b>8,131,867</b>	<b>10,440,820</b>	<b>3,421,486</b>	<b>1,196,420</b>	<b>16,263,734</b>	<b>20,881,640</b>	<b>3,421,486</b>	<b>1,196,420</b>	<b>16,260,397</b>	<b>20,878,303</b>
<b>Debt Service Ratio</b>	<b>2.72</b>	<b>4.06</b>	<b>3.01</b>	<b>3.02</b>	<b>2.15</b>	<b>5.14</b>	<									

LEHIGH COUNTY AUTHORITY  
 FINANCIAL STATEMENTS - SUBURBAN WATER  
 For the Period Ended June 30, 2024

STATEMENTS OF ACTIVITIES	Month					Suburban - Water Year To Date					Full Year				
	Actual	Q2 FC	Prior Year	FC Var	PY Var	Actual	Q2 FC	Prior Year	FC Var	PY Var	Q2 FC	Budget	Prior Year	Bud Var	PY Var
	<b>Operating Revenues:</b>														
User Charges	1,412,768	1,537,340	1,459,281	(124,572)	(46,513)	8,154,789	8,197,006	7,847,180	(42,217)	307,609	17,524,394	17,485,300	16,493,151	39,094	1,031,244
Connection & System Charges	40,044	63,642	35,107	(23,598)	4,937	442,589	339,865	205,653	102,725	236,937	1,034,156	950,850	730,402	83,306	303,754
Other Miscellaneous Revenues	2,070	4,710	1,949	(2,640)	121	54,140	84,301	36,623	(30,161)	17,517	176,276	177,724	207,520	(1,448)	(31,245)
<b>Total Operating Revenues</b>	<b>1,454,882</b>	<b>1,605,692</b>	<b>1,496,337</b>	<b>(150,810)</b>	<b>(41,455)</b>	<b>8,651,518</b>	<b>8,621,172</b>	<b>8,089,456</b>	<b>30,347</b>	<b>562,063</b>	<b>18,734,826</b>	<b>18,613,874</b>	<b>17,431,073</b>	<b>120,952</b>	<b>1,303,753</b>
<b>Operating Expenses:</b>															
Personnel	157,793	612,666	552,531	454,873	394,738	1,944,936	2,435,076	2,049,753	490,141	104,817	4,271,437	4,269,081	3,475,597	(2,356)	(795,840)
Shared Services - General & Administrative	17,680	152,675	97,448	134,995	79,767	416,494	545,706	405,632	129,211	(10,863)	1,066,844	1,136,102	725,136	69,258	(341,708)
Utilities	39,643	23,265	21,190	(16,378)	(18,454)	261,521	257,785	246,254	(3,736)	(15,267)	531,376	537,998	489,997	6,622	(41,379)
Materials and Supplies	65,619	25,028	17,532	(40,591)	(48,087)	357,917	343,597	278,224	(14,320)	(79,693)	1,086,624	1,197,810	688,942	111,186	(397,681)
Miscellaneous Services	458,318	348,405	291,037	(109,913)	(167,281)	2,260,280	2,177,274	1,889,077	(83,006)	(371,203)	4,706,969	4,806,151	4,077,315	99,182	(629,654)
Treatment and Transportation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Amortization	297,790	233,420	258,527	(64,371)	(39,263)	1,786,741	1,593,629	1,543,051	(193,112)	(243,690)	3,650,624	3,517,000	3,898,085	(133,624)	247,462
Major Maintenance Expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Miscellaneous	-	-	-	-	-	-	-	-	-	-	93,100	93,100	-	-	(93,100)
<b>Total Operating Expenses</b>	<b>1,036,843</b>	<b>1,395,460</b>	<b>1,238,265</b>	<b>358,616</b>	<b>201,421</b>	<b>7,027,889</b>	<b>7,353,067</b>	<b>6,411,991</b>	<b>325,179</b>	<b>(615,897)</b>	<b>15,406,973</b>	<b>15,557,242</b>	<b>13,355,072</b>	<b>150,269</b>	<b>(2,051,901)</b>
<b>Net Operating Profit</b>	<b>418,039</b>	<b>210,232</b>	<b>258,073</b>	<b>207,806</b>	<b>159,966</b>	<b>1,623,630</b>	<b>1,268,104</b>	<b>1,677,465</b>	<b>355,525</b>	<b>(53,835)</b>	<b>3,327,853</b>	<b>3,056,632</b>	<b>4,076,001</b>	<b>271,221</b>	<b>(748,148)</b>
<b>Non-Operating Income (Expense)</b>															
Interest Income	57,175	10,427	29,489	46,748	27,686	261,668	156,647	149,524	105,021	112,144	198,236	130,452	339,479	67,784	(141,243)
Interest (Expense)	(88,998)	(85,717)	(95,460)	(3,282)	6,462	(675,786)	(689,596)	(597,347)	13,810	(78,439)	(1,174,641)	(1,167,162)	(954,076)	(7,479)	(220,566)
Other Miscellaneous	2,411	310	(415)	2,101	2,826	5,821	4,684	10,003	1,137	(4,182)	(3,070)	-	4,805,551	(3,070)	(4,808,620)
<b>Net Non-Operating Income (Expense)</b>	<b>(29,412)</b>	<b>(74,980)</b>	<b>(66,386)</b>	<b>45,568</b>	<b>36,974</b>	<b>(408,297)</b>	<b>(528,265)</b>	<b>(437,820)</b>	<b>119,968</b>	<b>29,522</b>	<b>(979,475)</b>	<b>(1,036,710)</b>	<b>4,190,954</b>	<b>57,235</b>	<b>(5,170,429)</b>
<b>Net Income (Loss)</b>	<b>388,626</b>	<b>135,253</b>	<b>191,687</b>	<b>253,374</b>	<b>196,940</b>	<b>1,215,332</b>	<b>739,839</b>	<b>1,239,645</b>	<b>475,493</b>	<b>(24,313)</b>	<b>2,348,377</b>	<b>2,019,922</b>	<b>8,266,955</b>	<b>328,455</b>	<b>(5,918,577)</b>
<b>CASH FLOW STATEMENT</b>															
<b>Cash Flows From Operating Activities</b>															
Operating Revenues	1,454,882	1,605,692	1,496,337	(150,810)	(41,455)	8,651,518	8,621,172	8,089,456	30,347	562,063	18,734,826	18,613,874	17,431,073	120,952	1,303,753
Operating Expenses (ex D&A)	(739,053)	(1,162,040)	(979,738)	422,987	240,684	(5,241,148)	(5,759,438)	(4,868,941)	518,290	(372,207)	(11,756,350)	(12,040,242)	(9,456,987)	283,892	(2,299,363)
Non-Cash Working Capital Changes	(12,915)	-	(864,574)	(12,915)	851,659	(212,820)	(138,028)	(3,064,852)	(74,792)	2,852,032	(138,029)	1	(2,364,689)	(138,030)	2,226,660
<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>702,914</b>	<b>443,652</b>	<b>(347,974)</b>	<b>259,262</b>	<b>1,050,888</b>	<b>3,197,550</b>	<b>2,723,705</b>	<b>155,663</b>	<b>473,845</b>	<b>3,041,887</b>	<b>6,840,447</b>	<b>6,573,633</b>	<b>5,609,397</b>	<b>266,815</b>	<b>1,231,050</b>
<b>Cash Flows From Financing Activities</b>															
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	-	5,241,371	5,230,000	6,950,000	11,371	(1,708,629)	5,230,000	5,230,000	6,950,000	-	(1,720,000)
Interest Payments	(856)	(855)	(952)	(0)	96	(381,238)	(531,716)	(591,376)	150,479	210,138	(1,167,162)	(1,167,162)	(1,298,151)	-	130,989
Principal Payments	(6,387)	(7,054)	(6,291)	667	(96)	(38,200)	(40,199)	(37,628)	1,999	(572)	(2,254,324)	(2,254,324)	(2,010,541)	-	(243,783)
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>(7,243)</b>	<b>(7,909)</b>	<b>(7,243)</b>	<b>667</b>	<b>-</b>	<b>4,821,933</b>	<b>4,658,085</b>	<b>6,320,996</b>	<b>163,849</b>	<b>(1,499,063)</b>	<b>1,808,514</b>	<b>1,808,514</b>	<b>3,641,309</b>	<b>-</b>	<b>(1,832,795)</b>
<b>Cash Flows From Capital and Related Activities</b>															
Non-Operating Income (Expenses)	2,411	310	(415)	2,101	2,826	5,821	4,684	10,003	1,137	(4,182)	(3,070)	-	(84,098)	(3,070)	81,029
Capital Expenditures, net	(756,892)	(619,295)	(533,380)	(137,597)	(223,512)	(3,622,949)	(3,239,120)	(2,500,001)	(383,828)	(1,122,948)	(7,065,750)	(7,065,750)	(6,085,513)	-	(980,237)
<b>Net Cash Provided by (Used in) Capital and Related Activities</b>	<b>(754,481)</b>	<b>(618,985)</b>	<b>(533,795)</b>	<b>(135,496)</b>	<b>(220,686)</b>	<b>(3,617,128)</b>	<b>(3,234,437)</b>	<b>(2,489,998)</b>	<b>(382,692)</b>	<b>(1,127,130)</b>	<b>(7,068,820)</b>	<b>(7,065,750)</b>	<b>(6,169,612)</b>	<b>(3,070)</b>	<b>(899,208)</b>
<b>Cash Flows From Investing Activities</b>															
Investments Converting To Cash	245,000	245,000	245,000	-	-	490,000	245,000	739,000	245,000	(249,000)	490,000	-	988,000	490,000	(498,000)
Purchased Investments	-	-	(245,000)	-	245,000	(245,000)	-	(734,000)	(245,000)	489,000	(490,000)	-	(979,000)	(490,000)	489,000
Interest Income	57,175	10,427	29,489	46,748	27,686	261,668	156,647	149,524	105,021	112,144	198,236	130,452	339,479	67,784	(141,243)
<b>Net Cash Provided by (Used in) Investing Activities</b>	<b>302,175</b>	<b>255,427</b>	<b>29,489</b>	<b>46,748</b>	<b>272,686</b>	<b>506,668</b>	<b>401,647</b>	<b>154,524</b>	<b>105,021</b>	<b>352,144</b>	<b>198,236</b>	<b>130,452</b>	<b>348,479</b>	<b>67,784</b>	<b>(150,243)</b>
<b>FUND NET CASH FLOWS</b>	<b>243,366</b>	<b>72,185</b>	<b>(859,522)</b>	<b>171,181</b>	<b>1,102,888</b>	<b>4,909,023</b>	<b>4,549,000</b>	<b>4,141,186</b>	<b>360,023</b>	<b>767,838</b>	<b>1,778,377</b>	<b>1,446,849</b>	<b>3,429,573</b>	<b>331,529</b>	<b>(1,651,196)</b>
<b>DEBT SERVICE RATIO</b>															
<b>Debt Service Ratio (Indenture Based)</b>															
User Charges	1,412,768	1,537,340	1,459,281	(124,572)	(46,513)	8,154,789	8,197,006	7,847,180	(42,217)	307,609	17,524,394	17,485,300	16,493,151	39,094	1,031,244
Operating Expenses (Cash Based)	(739,053)	(1,162,040)	(979,738)	422,987	240,684	(5,241,148)	(5,759,438)	(4,868,941)	518,290	(372,207)	(11,756,350)	(12,040,242)	(9,456,987)	283,892	(2,299,363)
Interest Income	57,175	10,427	29,489	46,748	27,686	261,668	156,647	149,524	105,021	112,144	198,236	130,452	339,479	67,784	(141,243)
Annual Lease Payment (City)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Operating Revenues (Expenses)	44,525	68,662	36,641	(24,137)	7,884	502,550	428,850	252,279	73,700	250,271	1,207,362	1,128,574	5,743,472	78,788	(4,536,111)
<b>Cash Available For Debt Service</b>	<b>775,415</b>	<b>454,389</b>	<b>545,674</b>	<b>321,026</b>	<b>229,741</b>	<b>3,677,859</b>	<b>3,023,064</b>	<b>3,380,042</b>	<b>654,795</b>	<b>297,817</b>	<b>7,173,642</b>	<b>6,704,084</b>	<b>13,119,116</b>	<b>469,558</b>	<b>(5,945,473)</b>
Interest Paid	97,264	97,264	108,179	-	(10,916)	583,581	583,581	649,075	-	(65,494)	1,167,162	1,167,162	1,298,151	-	(130,989)
Debt Retirement (Principal Payments)	187,860	187,860	167,545	-	20,315	1,127,162	1,127,162	1,005,270	-	121,892	2,254,324	2,254,324	2,010,541	-	243,783
<b>Total Debt Service</b>	<b>285,124</b>	<b>285,124</b>	<b>275,724</b>	<b>-</b>	<b>9,400</b>	<b>1,710,743</b>	<b>1,710,743</b>	<b>1,654,346</b>	<b>-</b>	<b>56,397</b>	<b>3,421,486</b>	<b>3,421,486</b>	<b>3,308,691</b>	<b>-</b>	<b>112,795</b>
<b>Debt Service Ratio</b>	<b>2.72</b>	<b>1.59</b>	<b>1.98</b>	<b>1.13</b>	<b>0.74</b>	<b>2.15</b>	<b>1.77</b>	<b>2.04</b>	<b>0.38</b>	<b>0.11</b>	<b>2.10</b>	<b>1.96</b>	<b>3.97</b>	<b>0.14</b>	<b>(1.87)</b>

LEHIGH COUNTY AUTHORITY  
 VARIANCE ANALYSIS - YTD  
 For the Period Ended June 30, 2024

**STATEMENTS OF ACTIVITIES**

**Operating Revenues:**

User Charges	8,154,789	8,197,006	(42,217)	
Connection & System Charges	442,589	339,865	102,725	
Other Miscellaneous Revenues	54,140	84,301	(30,161)	

**Total Operating Revenues**

Suburban - Water				
	Actual	Q2 FC	FC Var	Comments
<b>Total Operating Revenues</b>	<b>8,651,518</b>	<b>8,621,172</b>	<b>30,347</b>	Higher system & connecton charges partially offset by lower user charges
<b>Operating Expenses:</b>				
Personnel	1,944,936	2,435,076	490,141	
Shared Services - General & Administrative	416,494	545,706	129,211	
Utilities	261,521	257,785	(3,736)	
Materials and Supplies	357,917	343,597	(14,320)	
Miscellaneous Services	2,260,280	2,177,274	(83,006)	
Treatment and Transportation	-	-	-	
Depreciation and Amortization	1,786,741	1,593,629	(193,112)	
Major Maintenance Expenses	-	-	-	
Other Miscellaneous	-	-	-	
<b>Total Operating Expenses</b>	<b>7,027,889</b>	<b>7,353,067</b>	<b>325,179</b>	Lower personnel costs and lower G&A allocated in
<b>Net Operating Profit</b>	<b>1,623,630</b>	<b>1,268,104</b>	<b>355,525</b>	Higher operating revenues along with lower operating expenses
<b>Non-Operating Income (Expense)</b>				
Interest Income	261,668	156,647	105,021	
Interest (Expense)	(675,786)	(689,596)	13,810	
Other Miscellaneous	5,821	4,684	1,137	
<b>Net Non-Operating Income (Expense)</b>	<b>(408,297)</b>	<b>(528,265)</b>	<b>119,968</b>	Higher interest income
<b>Net Income (Loss)</b>	<b>1,215,332</b>	<b>739,839</b>	<b>475,493</b>	Higher net operating income aided by higher financial activity

**CASH FLOW STATEMENT**

**Cash Flows From Operating Activities**

Operating Revenues	8,651,518	8,621,172	30,347	
Operating Expenses (ex D&A)	(5,241,148)	(5,759,438)	518,290	
Non-Cash Working Capital Changes	(212,820)	(138,028)	(74,792)	

**Net Cash Provided by (Used in) Operating Activities**

**Cash Flows From Financing Activities**

Capital Contributions	-	-	-	
Proceeds New Borrowing	5,241,371	5,230,000	11,371	
Interest Payments	(381,238)	(531,716)	150,479	
Principal Payments	(38,200)	(40,199)	1,999	

**Net Cash Provided by (Used in) Financing Activities**

**Cash Flows from Capital and Related Activities**

Non-Operating Income (Expenses)	5,821	4,684	1,137	
Capital Expenditures, net	(3,622,949)	(3,239,120)	(383,828)	

**Net Cash Provided By (Used In) Capital and Related Activities**

**Cash Flows From Investing Activities**

Investments Converting To Cash	490,000	245,000	245,000	
Purchased Investments	(245,000)	-	(245,000)	
Interest Income	261,668	156,647	105,021	

**Net Cash Provided By (Used In) Investing Activities**

**FUND NET CASH FLOWS**

<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>3,197,550</b>	<b>2,723,705</b>	<b>473,845</b>	Higher net operating income
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>4,821,933</b>	<b>4,658,085</b>	<b>163,849</b>	Lower debt service payments
<b>Net Cash Provided By (Used In) Capital and Related Activities</b>	<b>(3,617,128)</b>	<b>(3,234,437)</b>	<b>(382,692)</b>	Higher capex
<b>Net Cash Provided By (Used In) Investing Activities</b>	<b>506,668</b>	<b>401,647</b>	<b>105,021</b>	Higher interest income
<b>FUND NET CASH FLOWS</b>	<b>4,909,023</b>	<b>4,549,000</b>	<b>360,023</b>	Higher cash from operations, lower debt service payments, and higher interest income partially offset by higher capex



LEHIGH COUNTY AUTHORITY  
 FINANCIAL STATEMENTS - SUBURBAN WASTEWATER  
 For the Period Ended June 30, 2024

STATEMENTS OF ACTIVITIES

	Month				
	Actual	Q2 FC	Prior Year	FC Var	PY Var
<b>Operating Revenues:</b>					
User Charges	1,456,335	1,774,343	1,675,207	(318,008)	(218,872)
Connection & System Charges	78,641	117,620	94,636	(38,980)	(15,996)
Other Miscellaneous Revenues	30	595	120	(565)	(90)
<b>Total Operating Revenues</b>	<b>1,535,006</b>	<b>1,892,559</b>	<b>1,769,964</b>	<b>(357,553)</b>	<b>(234,958)</b>
<b>Operating Expenses:</b>					
Personnel	31,811	225,845	228,833	194,034	197,022
Shared Services - General & Administrative	22,030	52,176	38,534	30,147	16,505
Utilities	21,739	22,442	17,036	703	(4,703)
Materials and Supplies	20,136	32,206	26,338	12,070	6,202
Miscellaneous Services	540,467	672,074	623,365	131,606	82,898
Treatment and Transportation	559,523	923,714	796,079	364,191	236,556
Depreciation and Amortization	575,538	545,875	520,529	(29,663)	(55,008)
Major Maintenance Expenses	-	-	(788)	-	(788)
Other Miscellaneous	-	-	-	-	-
<b>Total Operating Expenses</b>	<b>1,771,244</b>	<b>2,474,332</b>	<b>2,249,927</b>	<b>703,088</b>	<b>478,683</b>
<b>Net Operating Profit</b>	<b>(236,238)</b>	<b>(581,773)</b>	<b>(479,963)</b>	<b>345,535</b>	<b>243,725</b>
<b>Non-Operating Income (Expense)</b>					
Interest Income	53,353	10,704	37,335	42,648	16,018
Interest (Expense)	(11,859)	(15,397)	(12,905)	3,538	1,047
Other Miscellaneous	12,045	(7,507)	6,831	19,552	5,214
<b>Net Non-Operating Income (Expense)</b>	<b>53,538</b>	<b>(12,200)</b>	<b>31,261</b>	<b>65,738</b>	<b>22,278</b>
<b>Net Income (Loss)</b>	<b>(182,699)</b>	<b>(593,973)</b>	<b>(448,703)</b>	<b>411,273</b>	<b>266,003</b>

Suburban - Wastewater					
Year To Date					
Actual	Q2 FC	Prior Year	FC Var	PY Var	
9,527,915	9,836,801	9,039,120	(308,886)	488,795	
580,810	648,889	960,581	(68,079)	(379,771)	
165	502	285	(337)	(120)	
<b>10,108,891</b>	<b>10,486,192</b>	<b>9,999,986</b>	<b>(377,301)</b>	<b>108,904</b>	
827,766	1,023,340	898,542	195,574	70,776	
177,183	212,327	176,339	35,144	(844)	
154,507	171,650	129,163	17,143	(25,344)	
170,982	201,557	192,044	30,574	21,062	
3,440,969	3,649,371	3,523,422	208,402	82,453	
2,555,355	2,799,675	2,049,735	244,320	(505,620)	
3,453,226	3,363,279	3,120,092	(89,947)	(333,134)	
-	-	1,680	-	1,680	
-	-	-	-	-	
<b>10,779,988</b>	<b>11,421,198</b>	<b>10,091,018</b>	<b>641,210</b>	<b>(688,970)</b>	
<b>(671,098)</b>	<b>(935,007)</b>	<b>(91,031)</b>	<b>263,909</b>	<b>(580,066)</b>	
284,859	166,741	196,235	118,118	88,624	
(73,202)	(84,000)	(79,629)	10,798	6,428	
10,532	(6,614)	28,271	17,145	(17,739)	
<b>222,189</b>	<b>76,127</b>	<b>144,876</b>	<b>146,062</b>	<b>77,313</b>	
<b>(448,909)</b>	<b>(858,880)</b>	<b>53,845</b>	<b>409,971</b>	<b>(502,754)</b>	

Full Year					
Q2 FC	Budget	Prior Year	Bud Var	PY Var	
19,201,227	19,128,454	18,488,050	72,773	713,177	
1,652,882	1,695,900	1,371,193	(43,018)	281,689	
2,618	2,900	585	(282)	2,033	
<b>20,856,727</b>	<b>20,827,254</b>	<b>19,859,828</b>	<b>29,473</b>	<b>996,899</b>	
1,740,118	1,766,601	1,811,893	26,483	71,775	
428,822	456,840	337,395	28,018	(91,427)	
320,045	313,870	238,267	(6,175)	(81,779)	
472,867	518,722	391,409	45,855	(81,457)	
7,492,424	7,631,090	7,678,739	138,666	186,315	
4,689,486	4,529,540	3,903,664	(159,946)	(785,822)	
7,031,500	7,031,500	6,705,023	-	(326,477)	
-	-	-	-	-	
22,100	22,100	133,968	-	111,868	
<b>22,197,362</b>	<b>22,270,263</b>	<b>21,200,358</b>	<b>72,901</b>	<b>(997,004)</b>	
<b>(1,340,635)</b>	<b>(1,443,009)</b>	<b>(1,340,530)</b>	<b>102,374</b>	<b>(105)</b>	
202,188	130,271	454,362	71,917	(252,174)	
(178,764)	(185,934)	(155,847)	7,170	(22,917)	
(144,372)	(134,047)	707,714	(10,325)	(852,086)	
<b>(120,948)</b>	<b>(189,710)</b>	<b>1,006,228</b>	<b>68,762</b>	<b>(1,127,176)</b>	
<b>(1,461,583)</b>	<b>(1,632,719)</b>	<b>(334,302)</b>	<b>171,136</b>	<b>(1,127,281)</b>	

CASH FLOW STATEMENT

Cash Flows From Operating Activities					
Operating Revenues	1,535,006	1,892,559	1,769,964	(357,553)	(234,958)
Operating Expenses (ex D&A)	(1,195,706)	(1,928,457)	(1,730,186)	732,751	534,479
Non-Cash Working Capital Changes	(1,956,120)	(1,957,000)	(680,264)	880	(1,275,856)
<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>(1,616,820)</b>	<b>(1,992,898)</b>	<b>(640,486)</b>	<b>376,078</b>	<b>(976,334)</b>
<b>Cash Flows From Financing Activities</b>					
Capital Contributions	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	-
Interest Payments	(11,383)	(15,414)	(12,232)	4,031	849
Principal Payments	(49,167)	(84,119)	(47,978)	34,952	(1,189)
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>(60,551)</b>	<b>(99,533)</b>	<b>(60,211)</b>	<b>38,983</b>	<b>(340)</b>
<b>Cash Flows from Capital and Related Activities</b>					
Non-Operating Income (Expenses)	12,045	(7,507)	6,831	19,552	5,214
Capital Expenditures, net	(1,845,798)	(799,055)	(311,088)	(1,046,743)	(1,534,711)
<b>Net Cash Provided by (Used in) Capital and Related Activities</b>	<b>(1,833,754)</b>	<b>(806,563)</b>	<b>(304,257)</b>	<b>(1,027,191)</b>	<b>(1,529,497)</b>
<b>Cash Flows From Investing Activities</b>					
Investments Converting To Cash	245,000	245,000	493,000	-	(248,000)
Purchased Investments	(490,000)	(490,000)	-	-	(490,000)
Interest Income	53,353	10,704	37,335	42,648	16,018
<b>Net Cash Provided By (Used In) Investing Activities</b>	<b>(191,647)</b>	<b>(234,296)</b>	<b>530,335</b>	<b>42,648</b>	<b>(721,982)</b>
<b>FUND NET CASH FLOWS</b>	<b>(3,702,772)</b>	<b>(3,133,290)</b>	<b>(474,618)</b>	<b>(569,482)</b>	<b>(3,228,154)</b>

10,108,891	10,486,192	9,999,986	(377,301)	108,904
(7,326,762)	(8,057,919)	(6,969,245)	731,157	(357,517)
(1,148,486)	(1,198,650)	35,391	50,165	(1,183,877)
<b>1,633,643</b>	<b>1,229,622</b>	<b>3,066,132</b>	<b>404,020</b>	<b>(1,432,489)</b>
-	-	-	-	-
(70,349)	(82,561)	(75,183)	12,212	4,834
(293,559)	(398,145)	(286,408)	104,587	(7,150)
<b>(363,908)</b>	<b>(480,707)</b>	<b>(361,592)</b>	<b>116,799</b>	<b>(2,316)</b>
10,532	(6,614)	28,271	17,145	(17,739)
(3,435,212)	(2,605,667)	(941,347)	(829,545)	(2,493,865)
<b>(3,424,680)</b>	<b>(2,612,281)</b>	<b>(913,076)</b>	<b>(812,399)</b>	<b>(2,511,605)</b>
1,673,000	738,000	4,887,174	935,000	(3,214,174)
(1,429,000)	(739,000)	(2,612,000)	(690,000)	1,183,000
284,859	166,741	196,235	118,118	88,624
<b>528,859</b>	<b>165,741</b>	<b>2,471,409</b>	<b>363,118</b>	<b>(1,942,550)</b>
<b>(1,626,087)</b>	<b>(1,697,625)</b>	<b>4,262,873</b>	<b>71,538</b>	<b>(5,888,960)</b>

20,856,727	20,827,254	19,859,828	29,473	996,899
(15,165,862)	(15,238,763)	(14,495,335)	72,901	(670,527)
(361,650)	(200,000)	170,233	(161,650)	(531,883)
<b>5,329,215</b>	<b>5,388,491</b>	<b>5,534,726</b>	<b>(59,276)</b>	<b>(205,511)</b>
-	-	-	-	-
7,175,000	7,175,000	-	-	7,175,000
(185,934)	(185,934)	(147,555)	-	(38,379)
(1,010,486)	(1,010,486)	(576,341)	-	(434,145)
<b>5,978,580</b>	<b>5,978,580</b>	<b>(723,896)</b>	-	<b>6,702,476</b>
(144,372)	(134,047)	121,966	(10,325)	(266,338)
(11,516,250)	(11,516,250)	(4,486,108)	-	(7,030,142)
<b>(11,660,622)</b>	<b>(11,650,297)</b>	<b>(4,364,142)</b>	<b>(10,325)</b>	<b>(7,296,480)</b>
1,673,000	500,000	6,129,174	1,173,000	(4,456,174)
(1,173,000)	-	(4,092,000)	(1,173,000)	2,919,000
202,188	130,271	454,362	71,917	(252,174)
<b>702,188</b>	<b>630,271</b>	<b>2,491,536</b>	<b>71,917</b>	<b>(1,789,348)</b>
<b>349,361</b>	<b>347,045</b>	<b>2,938,224</b>	<b>2,316</b>	<b>(2,588,863)</b>

DEBT SERVICE RATIO

Debt Service Ratio (Indenture Based)					
User Charges	1,456,335	1,774,343	1,675,207	(318,008)	(218,872)
Operating Expenses (Cash Based)	(1,195,706)	(1,928,457)	(1,729,398)	732,751	533,691
Interest Income	53,353	10,704	37,335	42,648	16,018
Annual Lease Payment (City)	-	-	-	-	-
Non-Operating Revenues (Expenses)	90,715	(110,708)	101,587	(19,993)	(10,872)
<b>Cash Available For Debt Service</b>	<b>404,697</b>	<b>(32,701)</b>	<b>84,732</b>	<b>437,398</b>	<b>319,965</b>
Interest Paid	15,495	15,495	12,296	-	3,198
Debt Retirement (Principal Payments)	84,207	84,207	48,028	-	36,179
<b>Total Debt Service</b>	<b>99,702</b>	<b>99,702</b>	<b>60,325</b>	-	<b>39,377</b>
<b>Debt Service Ratio</b>	<b>4.06</b>	<b>(0.33)</b>	<b>1.40</b>	<b>4.39</b>	<b>2.65</b>

9,527,915	9,836,801	9,039,120	(308,886)	488,795
(7,326,762)	(8,057,919)	(6,970,926)	731,157	(355,836)
284,859	166,741	196,235	118,118	88,624
-	-	-	-	-
591,507	642,777	989,137	(51,270)	(397,630)
3,077,519	2,588,400	3,253,566	489,119	(176,047)
92,967	92,967	73,777	-	19,190
505,243	505,243	288,171	-	217,072
<b>598,210</b>	<b>598,210</b>	<b>361,948</b>	-	<b>236,262</b>
<b>5.14</b>	<b>4.33</b>	<b>8.99</b>	<b>0.82</b>	<b>(3.84)</b>

19,201,227	19,128,454	18,488,050	72,773	713,177
(15,165,862)	(15,238,763)	(14,495,335)	72,901	(670,527)
202,188	130,271	454,362	71,917	(252,174)
-	-	-	-	-
1,511,128	1,564,753	2,079,492	(53,625)	(568,364)
5,748,681	5,584,715	6,526,569	163,966	(777,887)
185,934	185,934	147,555	-	38,379
1,010,486	1,010,486	576,341	-	434,145
<b>1,196,420</b>	<b>1,196,420</b>	<b>723,896</b>	-	<b>472,524</b>
<b>4.80</b>	<b>4.67</b>	<b>9.02</b>	<b>0.14</b>	<b>(4.21)</b>

LEHIGH COUNTY AUTHORITY  
VARIANCE ANALYSIS - YTD  
For the Period Ended June 30, 2024

Suburban - Wastewater				
STATEMENTS OF ACTIVITIES	Actual	Q2 FC	FC Var	Comments
<b>Operating Revenues:</b>				
User Charges	9,527,915	9,836,801	(308,886)	
Connection & System Charges	580,810	648,889	(68,079)	
Other Miscellaneous Revenues	165	502	(337)	
<b>Total Operating Revenues</b>	<b>10,108,891</b>	<b>10,486,192</b>	<b>(377,301)</b>	<b>Lower user charges</b>
<b>Operating Expenses:</b>				
Personnel	827,766	1,023,340	195,574	
Shared Services - General & Administrative	177,183	212,327	35,144	
Utilities	154,507	171,650	17,143	
Materials and Supplies	170,982	201,557	30,574	
Miscellaneous Services	3,440,969	3,649,371	208,402	
Treatment and Transportation	2,555,355	2,799,675	244,320	
Depreciation and Amortization	3,453,226	3,363,279	(89,947)	
Major Maintenance Expenses	-	-	-	
Other Miscellaneous	-	-	-	
<b>Total Operating Expenses</b>	<b>10,779,988</b>	<b>11,421,198</b>	<b>641,210</b>	<b>Lower personnel cost, lower services spending, and lower treatment &amp; transportation volumes</b>
<b>Net Operating Profit</b>	<b>(671,098)</b>	<b>(935,007)</b>	<b>263,909</b>	<b>Lower operating expenses partially offset by lower operating revenues</b>
<b>Non-Operating Income (Expense)</b>				
Interest Income	284,859	166,741	118,118	
Interest (Expense)	(73,202)	(84,000)	10,798	
Other Miscellaneous	10,532	(6,614)	17,145	
<b>Net Non-Operating Income (Expense)</b>	<b>222,189</b>	<b>76,127</b>	<b>146,062</b>	<b>Higher interest income</b>
<b>Net Income (Loss)</b>	<b>(448,909)</b>	<b>(858,880)</b>	<b>409,971</b>	<b>Higher net operating income along with favorable financial activity</b>
<b>CASH FLOW STATEMENT</b>				
<b>Cash Flows From Operating Activities</b>				
Operating Revenues	10,108,891	10,486,192	(377,301)	
Operating Expenses (ex D&A)	(7,326,762)	(8,057,919)	731,157	
Non-Cash Working Capital Changes	(1,148,486)	(1,198,650)	50,165	
<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>1,633,643</b>	<b>1,229,622</b>	<b>404,020</b>	<b>Higher net operating income</b>
<b>Cash Flows From Financing Activities</b>				
Capital Contributions	-	-	-	
Proceeds New Borrowing	-	-	-	
Interest Payments	(70,349)	(82,561)	12,212	
Principal Payments	(293,559)	(398,145)	104,587	
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>(363,908)</b>	<b>(480,707)</b>	<b>116,799</b>	<b>Lower debt service payments</b>
<b>Cash Flows from Capital and Related Activities</b>				
Non-Operating Income (Expenses)	10,532	(6,614)	17,145	
Capital Expenditures, net	(3,435,212)	(2,605,667)	(829,545)	
<b>Net Cash Provided By (Used In) Capital and Related Activities</b>	<b>(3,424,680)</b>	<b>(2,612,281)</b>	<b>(812,399)</b>	<b>Higher capex</b>
<b>Cash Flows From Investing Activities</b>				
Investments Converting To Cash	1,673,000	738,000	935,000	
Purchased Investments	(1,429,000)	(739,000)	(690,000)	
Interest Income	284,859	166,741	118,118	
<b>Net Cash Provided By (Used In) Investing Activities</b>	<b>528,859</b>	<b>165,741</b>	<b>363,118</b>	<b>Higher investments converting to cash - timing issue of reinvesting</b>
<b>FUND NET CASH FLOWS</b>	<b>(1,626,087)</b>	<b>(1,697,625)</b>	<b>71,538</b>	<b>Higher capex was partially offset by higher cash from operations and lower debt service which was all more than offset by favorable investing activity</b>

LEHIGH COUNTY AUTHORITY  
 FINANCIAL STATEMENTS - CITY DIVISION  
 For the Period Ended June 30, 2024

	Month					City Division Year To Date					Full Year				
	Actual	Q2 FC	Prior Year	FC Var	PY Var	Actual	Q2 FC	Prior Year	FC Var	PY Var	Q2 FC	Budget	Prior Year	Bud Var	PY Var
<b>STATEMENTS OF ACTIVITIES</b>															
<b>Operating Revenues:</b>															
User Charges	4,970,770	4,989,900	4,688,073	(19,130)	282,697	27,620,475	27,523,650	25,429,519	96,825	2,190,956	56,018,070	55,555,506	52,162,410	462,564	3,855,660
Connection & System Charges	210,117	(37,737)	(116,886)	247,854	327,003	1,265,666	977,954	1,286,913	287,712	(21,247)	3,529,115	3,609,600	462,746	(80,485)	(1,958,630)
Other Miscellaneous Revenues	9,850	1,446	2,940	8,404	6,910	179,106	44,080	62,297	135,027	116,810	86,448	89,800	182,595	(3,352)	(96,146)
<b>Total Operating Revenues</b>	<b>5,190,737</b>	<b>4,953,609</b>	<b>4,574,127</b>	<b>237,128</b>	<b>616,610</b>	<b>29,065,247</b>	<b>28,545,684</b>	<b>26,778,729</b>	<b>519,563</b>	<b>2,286,519</b>	<b>59,633,634</b>	<b>59,254,906</b>	<b>57,832,751</b>	<b>378,728</b>	<b>1,800,884</b>
<b>Operating Expenses:</b>															
Personnel	862,755	1,586,262	1,310,993	723,507	448,237	5,753,569	6,667,742	5,524,184	914,172	(229,385)	13,927,623	13,986,737	11,576,407	59,114	(2,351,216)
Shared Services - General & Administrative	197,085	231,162	185,321	34,077	(11,763)	1,136,110	1,186,691	1,057,625	50,581	(78,485)	2,446,827	2,545,190	2,040,469	98,363	(406,358)
Utilities	117,200	70,488	64,837	(46,713)	(52,363)	900,401	866,541	1,037,541	(33,860)	137,140	2,018,931	2,063,922	1,898,483	44,991	(120,447)
Materials and Supplies	231,802	261,081	252,245	29,280	20,443	1,485,769	1,490,981	1,437,626	5,212	(48,143)	3,280,826	3,251,300	3,218,805	(29,526)	(62,021)
Miscellaneous Services	137,423	316,350	271,666	178,927	134,243	762,968	898,725	843,973	135,757	81,005	2,332,686	2,397,011	2,247,835	64,325	(84,852)
Treatment and Transportation	-	5,263	5,220	5,263	5,220	5,656	5,263	5,220	(393)	(436)	11,400	11,400	11,307	-	(93)
Depreciation and Amortization	515,561	473,410	518,356	(42,151)	2,795	3,093,366	2,965,867	3,100,115	(127,499)	6,749	6,260,297	6,169,850	6,755,624	(90,447)	495,326
Major Maintenance Expenses	848	-	6,900	(848)	6,052	18,310	12,369	90,791	(5,941)	72,481	4,000,000	4,000,000	-	-	(4,000,000)
Other Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	5,782,103	-	5,782,103
<b>Total Operating Expenses</b>	<b>2,062,673</b>	<b>2,944,015</b>	<b>2,615,538</b>	<b>881,342</b>	<b>552,865</b>	<b>13,156,150</b>	<b>14,094,178</b>	<b>13,097,074</b>	<b>938,028</b>	<b>(59,076)</b>	<b>34,278,590</b>	<b>34,425,410</b>	<b>33,531,033</b>	<b>146,820</b>	<b>(747,557)</b>
<b>Net Operating Profit</b>	<b>3,128,064</b>	<b>2,009,594</b>	<b>1,958,589</b>	<b>1,118,470</b>	<b>1,169,475</b>	<b>15,909,097</b>	<b>14,451,506</b>	<b>13,681,654</b>	<b>1,457,591</b>	<b>2,227,443</b>	<b>25,355,045</b>	<b>24,829,496</b>	<b>24,301,718</b>	<b>525,549</b>	<b>1,053,327</b>
<b>Non-Operating Income (Expense)</b>															
Interest Income	548,578	77,526	272,868	471,052	275,710	2,192,071	1,060,878	1,473,873	1,131,193	718,198	1,397,689	984,881	3,466,498	412,808	(2,068,810)
Interest (Expense)	(157,149)	(1,390,172)	(1,409,732)	1,233,023	1,252,584	(7,326,310)	(8,471,786)	(8,456,412)	1,145,475	1,130,102	(19,703,642)	(19,703,642)	(19,980,878)	-	277,236
Other Miscellaneous	-	-	-	-	-	(5,396,147)	(5,397,083)	-	936	(5,396,147)	3,336,495	8,733,892	-	(5,397,397)	3,336,495
<b>Net Non-Operating Income (Expense)</b>	<b>391,429</b>	<b>(1,312,647)</b>	<b>(1,136,864)</b>	<b>1,704,076</b>	<b>1,528,293</b>	<b>(10,530,386)</b>	<b>(12,807,990)</b>	<b>(6,982,539)</b>	<b>2,277,604</b>	<b>(3,547,847)</b>	<b>(14,969,458)</b>	<b>(9,984,869)</b>	<b>(16,514,379)</b>	<b>(4,984,589)</b>	<b>1,544,921</b>
<b>Net Income (Loss)</b>	<b>3,519,493</b>	<b>696,947</b>	<b>821,725</b>	<b>2,822,545</b>	<b>2,697,768</b>	<b>5,378,711</b>	<b>1,643,516</b>	<b>6,699,115</b>	<b>3,735,196</b>	<b>(1,320,404)</b>	<b>10,385,586</b>	<b>14,844,627</b>	<b>7,787,339</b>	<b>(4,459,041)</b>	<b>2,598,248</b>
<b>CASH FLOW STATEMENT</b>															
<b>Cash Flows From Operating Activities</b>															
Operating Revenues	5,190,737	4,953,609	4,574,127	237,128	616,610	29,065,247	28,545,684	26,778,729	519,563	2,286,519	59,633,634	59,254,906	57,832,751	378,728	1,800,884
Operating Expenses (ex D&A)	(1,546,265)	(2,470,605)	(2,090,282)	924,341	544,017	(10,044,474)	(11,115,942)	(9,906,169)	1,071,469	(138,305)	(24,018,292)	(24,255,560)	(20,993,306)	237,268	(3,024,987)
Non-Cash Working Capital Changes	(1,280,692)	(1,334,000)	369,540	53,308	(1,650,232)	(3,661,857)	(3,661,630)	(2,786,607)	(227)	(875,250)	(2,327,630)	(135,999)	(2,201,272)	(2,191,631)	(1,236,358)
<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>2,363,780</b>	<b>1,149,004</b>	<b>2,853,385</b>	<b>1,214,777</b>	<b>(489,605)</b>	<b>15,358,917</b>	<b>13,768,112</b>	<b>14,085,953</b>	<b>1,590,805</b>	<b>1,272,963</b>	<b>33,287,712</b>	<b>34,863,347</b>	<b>34,638,173</b>	<b>(1,575,635)</b>	<b>(1,250,461)</b>
<b>Cash Flows From Financing Activities</b>															
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	-	55,000,000	55,000,000	1,371,118	-	53,628,882	55,000,000	8,555,508	1,371,118	46,444,492	53,628,882
Interest Payments	(4,328,821)	(6,532,573)	(5,737,961)	2,203,752	1,409,140	(4,334,361)	(6,535,910)	(5,737,961)	2,201,549	1,403,600	(13,318,734)	(13,315,397)	(11,695,732)	(3,337)	(1,623,002)
Principal Payments	(5,211)	(697,395)	-	692,184	(5,211)	(723,395)	(2,799,960)	-	2,076,565	(723,395)	(2,945,000)	(2,945,000)	(2,222,407)	-	(722,593)
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>(4,334,032)</b>	<b>(7,229,968)</b>	<b>(5,737,961)</b>	<b>2,895,936</b>	<b>1,403,929</b>	<b>49,942,244</b>	<b>45,664,130</b>	<b>(4,366,843)</b>	<b>4,278,114</b>	<b>54,309,086</b>	<b>38,736,266</b>	<b>(7,704,889)</b>	<b>(12,547,021)</b>	<b>46,441,155</b>	<b>51,283,287</b>
<b>Cash Flows From Capital and Related Activities</b>															
Non-Operating Income (Expenses)	-	-	-	-	-	(5,396,147)	(6,051,195)	(680,590)	655,048	(4,715,557)	2,028,271	7,425,668	(1,361,180)	(5,397,397)	3,389,451
Capital Expenditures, net	(1,011,060)	(1,292,163)	(474,902)	281,103	(536,158)	(3,894,375)	(6,480,937)	(3,169,356)	2,586,562	(725,019)	(32,628,500)	(32,628,500)	(10,368,819)	(0)	(22,259,681)
<b>Net Cash Provided By (Used In) Capital and Related Activities</b>	<b>(1,011,060)</b>	<b>(1,292,163)</b>	<b>(474,902)</b>	<b>281,103</b>	<b>(536,158)</b>	<b>(9,290,522)</b>	<b>(12,532,132)</b>	<b>(3,849,946)</b>	<b>3,241,610</b>	<b>(5,440,576)</b>	<b>(30,600,229)</b>	<b>(25,202,832)</b>	<b>(11,729,999)</b>	<b>(5,397,397)</b>	<b>(18,870,230)</b>
<b>Cash Flows From Investing Activities</b>															
Investments Converting To Cash	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purchased Investments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	548,578	77,526	272,868	471,052	275,710	2,192,071	1,060,878	1,473,873	1,131,193	718,198	1,397,689	984,881	3,466,498	412,808	(2,068,810)
<b>Net Cash Provided By (Used In) Investing Activities</b>	<b>548,578</b>	<b>77,526</b>	<b>272,868</b>	<b>471,052</b>	<b>275,710</b>	<b>2,192,071</b>	<b>1,060,878</b>	<b>1,473,873</b>	<b>1,131,193</b>	<b>718,198</b>	<b>1,397,689</b>	<b>984,881</b>	<b>3,466,498</b>	<b>412,808</b>	<b>(2,068,810)</b>
<b>FUND NET CASH FLOWS</b>	<b>(2,432,733)</b>	<b>(7,295,601)</b>	<b>(3,086,609)</b>	<b>4,862,868</b>	<b>653,876</b>	<b>58,202,709</b>	<b>47,960,988</b>	<b>7,343,037</b>	<b>10,241,722</b>	<b>50,859,672</b>	<b>42,821,438</b>	<b>2,940,507</b>	<b>13,827,652</b>	<b>39,880,931</b>	<b>28,993,786</b>
<b>DEBT SERVICE RATIO</b>															
<b>Debt Service Ratio (Indenture Based)</b>															
User Charges	4,970,770	4,989,900	4,688,073	(19,130)	282,697	27,620,475	27,523,650	25,429,519	96,825	2,190,956	56,018,070	55,555,506	52,162,410	462,564	3,855,660
Operating Expenses (Cash Based)	(1,547,112)	(2,470,605)	(2,097,182)	923,493	550,070	(10,062,784)	(11,128,312)	(9,996,959)	1,065,528	(65,825)	(24,018,292)	(24,255,560)	(26,775,409)	237,268	2,757,117
Interest Income	548,578	77,526	272,868	471,052	275,710	2,192,071	1,060,878	1,473,873	1,131,193	718,198	1,397,689	984,881	3,466,498	412,808	(2,068,810)
Annual Lease Payment (City)	(109,019)	(109,019)	(113,432)	-	4,413	(654,112)	(654,112)	(680,590)	-	26,478	(1,308,224)	(1,308,224)	(1,361,180)	-	52,956
Non-Operating Revenues (Expenses)	219,967	(36,291)	(113,946)	256,258	333,913	(3,951,374)	(4,375,049)	1,349,210	423,674	(5,300,584)	3,615,564	3,699,400	5,670,340	(83,836)	(2,054,777)
<b>Cash Available For Debt Service</b>	<b>4,083,184</b>	<b>2,451,511</b>	<b>2,636,382</b>	<b>1,631,673</b>	<b>1,446,802</b>	<b>15,144,276</b>	<b>12,427,056</b>	<b>17,575,053</b>	<b>2,717,220</b>	<b>(2,430,777)</b>	<b>35,704,807</b>	<b>34,676,003</b>	<b>33,162,660</b>	<b>1,028,804</b>	<b>2,542,147</b>
Interest Paid	1,109,894	1,109,894	974,644	-	135,250	6,659,367	6,659,367	5,847,866	-	811,501	13,318,734	13,315,397	11,695,732	3,337	1,623,002
Debt Retirement (Principal Payments)	245,417	245,417	185,201	-	60,216	1,472,500	1,472,500	1,111,203	-	361,297	2,945,000	2,945,000	2,222,407	-	722,593
<b>Total Debt Service</b>	<b>1,355,311</b>	<b>1,355,311</b>	<b>1,159,845</b>	<b>-</b>	<b>195,466</b>	<b>8,131,867</b>	<b>8,131,867</b>	<b>6,959,069</b>	<b>-</b>	<b>1,172,798</b>	<b>16,263,734</b>	<b>16,260,397</b>	<b>13,918,139</b>	<b>3,337</b>	<b>2,345,595</b>
<b>Debt Service Ratio</b>	<b>3.01</b>	<b>1.81</b>	<b>2.27</b>	<b>1.20</b>	<b>0.74</b>	<b>1.86</b>	<b>1.53</b>	<b>2.53</b>	<b>0.33</b>	<b>(0.66)</b>	<b>2.20</b>	<b>2.13</b>	<b>2.38</b>	<b>0.06</b>	<b>(0.19)</b>

LEHIGH COUNTY AUTHORITY  
 VARIANCE ANALYSIS - YTD  
 For the Period Ended June 30, 2024

**STATEMENTS OF ACTIVITIES**

**Operating Revenues:**

User Charges	27,620,475	27,523,650	96,825	
Connection & System Charges	1,265,666	977,954	287,712	
Other Miscellaneous Revenues	179,106	44,080	135,027	

**Total Operating Revenues**

City Division				
	Actual	Q2 FC	FC Var	Comments
<b>Total Operating Revenues</b>	<b>29,065,247</b>	<b>28,545,684</b>	<b>519,563</b>	<b>Higher user charges, higher system &amp; connection charges, and higher miscellaneous</b>

**Operating Expenses:**

Personnel	5,753,569	6,667,742	914,172	
Shared Services - General & Administrative	1,136,110	1,186,691	50,581	
Utilities	900,401	866,541	(33,860)	
Materials and Supplies	1,485,769	1,490,981	5,212	
Miscellaneous Services	762,968	898,725	135,757	
Treatment and Transportation	5,656	5,263	(393)	
Depreciation and Amortization	3,093,366	2,965,867	(127,499)	
Major Maintenance Expenses	18,310	12,369	(5,941)	
Other Miscellaneous	-	-	-	

**Total Operating Expenses**

<b>Total Operating Expenses</b>	<b>13,156,150</b>	<b>14,094,178</b>	<b>938,028</b>	<b>Lower personnel costs</b>
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**Net Operating Profit**

<b>Net Operating Profit</b>	<b>15,909,097</b>	<b>14,451,506</b>	<b>1,457,591</b>	<b>Higher operating revenues aided by lower operating expenses</b>
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**Non-Operating Income (Expense)**

Interest Income	2,192,071	1,060,878	1,131,193	
Interest (Expense)	(7,326,310)	(8,471,786)	1,145,475	
Other Miscellaneous	(5,396,147)	(5,397,083)	936	

**Net Non-Operating Income (Expense)**

<b>Net Non-Operating Income (Expense)</b>	<b>(10,530,386)</b>	<b>(12,807,990)</b>	<b>2,277,604</b>	<b>Higher interest income and lower interest expense</b>
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**Net Income (Loss)**

<b>Net Income (Loss)</b>	<b>5,378,711</b>	<b>1,643,516</b>	<b>3,735,196</b>	<b>Higher net operating income aided by favorable financial activity</b>
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**CASH FLOW STATEMENT**

**Cash Flows From Operating Activities**

Operating Revenues	29,065,247	28,545,684	519,563	
Operating Expenses (ex D&A)	(10,044,474)	(11,115,942)	1,071,469	
Non-Cash Working Capital Changes	(3,661,857)	(3,661,630)	(227)	

**Net Cash Provided by (Used in) Operating Activities**

<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>15,358,917</b>	<b>13,768,112</b>	<b>1,590,805</b>	<b>Higher net operating income</b>
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**Cash Flows From Financing Activities**

Capital Contributions	-	-	-	
Proceeds New Borrowing	55,000,000	55,000,000	-	
Interest Payments	(4,334,361)	(6,535,910)	2,201,549	
Principal Payments	(723,395)	(2,799,960)	2,076,565	

**Net Cash Provided by (Used in) Financing Activities**

<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>49,942,244</b>	<b>45,664,130</b>	<b>4,278,114</b>	<b>Lower debt service payments</b>
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**Cash Flows from Capital and Related Activities**

Non-Operating Income (Expenses)	(5,396,147)	(6,051,195)	655,048	
Capital Expenditures, net	(3,894,375)	(6,480,937)	2,586,562	

**Net Cash Provided by (Used in) Capital and Related Activities**

<b>Net Cash Provided by (Used in) Capital and Related Activities</b>	<b>(9,290,522)</b>	<b>(12,532,132)</b>	<b>3,241,610</b>	<b>Lower capex</b>
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**Cash Flows From Investing Activities**

Investments Converting To Cash	-	-	-	
Purchased Investments	-	-	-	
Interest Income	2,192,071	1,060,878	1,131,193	

**Net Cash Provided by (Used In) Investing Activities**

<b>Net Cash Provided by (Used In) Investing Activities</b>	<b>2,192,071</b>	<b>1,060,878</b>	<b>1,131,193</b>	<b>Higher interest income</b>
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**FUND NET CASH FLOWS**

<b>FUND NET CASH FLOWS</b>	<b>58,202,709</b>	<b>47,960,988</b>	<b>10,241,722</b>	<b>Higher cash from operations, lower debt service payments, lower capex, and higher interest income</b>
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LEHIGH COUNTY AUTHORITY  
 CASH & INVESTMENT SUMMARY  
 For the Period Ended June 30, 2024

	Suburban Water				Suburban Wastewater				City Division				Total			
	6/30/2024 Actual	2024 Forecast	2024 Budget	2023 Actual	6/30/2024 Actual	2024 Forecast	2024 Budget	2023 Actual	6/30/2024 Actual	2024 Forecast	2024 Budget	2023 Actual	6/30/2024 Actual	2024 Forecast	2024 Budget	2023 Actual
<b>Cash</b>																
<b>Operating</b>																
Unrestricted	704,948	10,105,905	13,136,985	8,385,525	(807,378)	10,990,647	3,976,076	3,779,293	14,926,908	11,875,600	15,263,906	13,483,582	14,182,195	32,686,241	32,376,967	25,648,400
Restricted	-	-	-	-	-	3,437	317	2,708	22,391,074	25,737,927	25,438,613	33,121,646	-	-	-	33,124,354
<b>Total Operating</b>	<b>704,948</b>	<b>10,105,905</b>	<b>13,136,985</b>	<b>8,385,525</b>	<b>(807,378)</b>	<b>10,994,084</b>	<b>3,976,393</b>	<b>3,782,000</b>	<b>37,317,982</b>	<b>37,613,527</b>	<b>40,702,519</b>	<b>46,605,229</b>	<b>36,573,268</b>	<b>58,427,605</b>	<b>57,815,897</b>	<b>58,772,754</b>
<b>Capital</b>																
Unrestricted	12,630,857	321,054	319,718	321,054	9,772,725	-	5,955,385	6,862,722	79,391,105	54,804,198	3,022,601	3,022,601	101,794,687	55,125,252	9,297,704	10,206,378
Restricted	-	-	-	-	343,031	338,677	338,360	338,677	7,531,527	7,531,579	7,500,035	7,500,035	7,874,558	7,870,256	7,838,396	7,838,712
<b>Total Capital</b>	<b>12,630,857</b>	<b>321,054</b>	<b>319,718</b>	<b>321,054</b>	<b>10,115,756</b>	<b>338,677</b>	<b>6,293,745</b>	<b>7,201,399</b>	<b>86,922,632</b>	<b>62,335,777</b>	<b>10,522,636</b>	<b>10,522,636</b>	<b>109,669,245</b>	<b>62,995,508</b>	<b>17,136,099</b>	<b>18,045,090</b>
<b>Other Restricted</b>																
Debt Reserves	1,660,329	1,718,213	1,656,568	1,660,215	-	-	-	-	21,099,941	30,004,516	28,335,482	30,004,516	22,760,269	31,722,729	29,992,050	31,664,731
Escrow - Developer Deposits	746,069	466,386	218,888	466,386	105,613	56,678	252,969	56,678	26,641	32,106	32,090	32,106	878,323	555,169	503,947	555,169
<b>Total Other Restricted</b>	<b>2,406,398</b>	<b>2,184,598</b>	<b>1,875,456</b>	<b>2,126,600</b>	<b>105,613</b>	<b>56,678</b>	<b>252,969</b>	<b>56,678</b>	<b>21,126,582</b>	<b>30,036,622</b>	<b>28,367,571</b>	<b>30,036,622</b>	<b>23,638,593</b>	<b>32,277,898</b>	<b>30,495,996</b>	<b>32,219,900</b>
<b>Total Cash</b>	<b>15,742,202</b>	<b>12,611,557</b>	<b>15,332,159</b>	<b>10,833,179</b>	<b>9,413,991</b>	<b>11,389,438</b>	<b>10,523,107</b>	<b>11,040,077</b>	<b>145,367,196</b>	<b>129,985,926</b>	<b>79,592,726</b>	<b>87,164,487</b>	<b>169,881,106</b>	<b>153,701,011</b>	<b>105,447,992</b>	<b>109,037,744</b>
<b>Investments</b>																
<b>Operating</b>																
Unrestricted	1,713,126	2,022,946	1,945,069	2,022,946	7,227,998	8,138,467	6,584,624	6,965,467	-	-	-	-	8,941,125	10,161,412	8,529,693	8,988,412
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Operating</b>	<b>1,713,126</b>	<b>2,022,946</b>	<b>1,945,069</b>	<b>2,022,946</b>	<b>7,227,998</b>	<b>8,138,467</b>	<b>6,584,624</b>	<b>6,965,467</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8,941,125</b>	<b>10,161,412</b>	<b>8,529,693</b>	<b>8,988,412</b>
<b>Capital</b>																
Unrestricted	1,095,087	1,000,184	1,000,000	1,000,184	-	-	-	-	-	-	-	-	1,095,087	1,000,184	1,000,000	1,000,184
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Capital</b>	<b>1,095,087</b>	<b>1,000,184</b>	<b>1,000,000</b>	<b>1,000,184</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,095,087</b>	<b>1,000,184</b>	<b>1,000,000</b>	<b>1,000,184</b>
<b>Other Restricted</b>																
Debt Reserves	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Escrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Other Restricted</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Investments</b>	<b>2,808,213</b>	<b>3,023,129</b>	<b>2,945,069</b>	<b>3,023,129</b>	<b>7,227,998</b>	<b>8,138,467</b>	<b>6,584,624</b>	<b>6,965,467</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10,036,212</b>	<b>11,161,596</b>	<b>9,529,693</b>	<b>9,988,596</b>
<b>Total Cash and Investments</b>	<b>18,550,416</b>	<b>15,634,686</b>	<b>18,277,228</b>	<b>13,856,308</b>	<b>16,641,989</b>	<b>19,527,905</b>	<b>17,107,731</b>	<b>18,005,544</b>	<b>145,367,196</b>	<b>129,985,926</b>	<b>79,592,726</b>	<b>87,164,487</b>	<b>179,917,318</b>	<b>164,862,607</b>	<b>114,977,685</b>	<b>119,026,340</b>
<b>Summary</b>																
<b>Cash</b>																
Unrestricted	13,335,805	10,426,959	13,456,703	8,706,579	8,965,347	10,990,647	9,931,461	10,642,015	94,318,014	66,679,798	18,286,506	16,506,183	115,976,882	87,811,493	41,674,670	35,568,867
Restricted	2,406,398	2,184,598	1,875,456	2,126,600	448,644	398,792	591,646	398,062	51,049,183	63,306,128	61,306,220	70,658,304	53,904,225	65,889,518	63,773,322	73,182,966
<b>Total Cash</b>	<b>15,742,202</b>	<b>12,611,557</b>	<b>15,332,159</b>	<b>10,833,179</b>	<b>9,413,991</b>	<b>11,389,438</b>	<b>10,523,107</b>	<b>11,040,077</b>	<b>145,367,196</b>	<b>129,985,926</b>	<b>79,592,726</b>	<b>87,164,487</b>	<b>169,881,106</b>	<b>153,701,011</b>	<b>105,447,992</b>	<b>108,751,833</b>
<b>Investments</b>																
Unrestricted	2,808,213	3,023,129	2,945,069	3,023,129	7,227,998	8,138,467	6,584,624	6,965,467	-	-	-	-	10,036,212	11,161,596	9,529,693	9,988,596
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Investments</b>	<b>2,808,213</b>	<b>3,023,129</b>	<b>2,945,069</b>	<b>3,023,129</b>	<b>7,227,998</b>	<b>8,138,467</b>	<b>6,584,624</b>	<b>6,965,467</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10,036,212</b>	<b>11,161,596</b>	<b>9,529,693</b>	<b>9,988,596</b>
<b>Total Cash and Investments</b>	<b>18,550,416</b>	<b>15,634,686</b>	<b>18,277,228</b>	<b>13,856,308</b>	<b>16,641,989</b>	<b>19,527,905</b>	<b>17,107,731</b>	<b>18,005,544</b>	<b>145,367,196</b>	<b>129,985,926</b>	<b>79,592,726</b>	<b>87,164,487</b>	<b>179,917,318</b>	<b>164,862,607</b>	<b>114,977,685</b>	<b>118,740,429</b>

**CERTIFICATES OF DEPOSIT**

June 2024

Fund	Bank	Location	Gross Amount	Date of Purchase	Date Due	Net Rate %
LLRI CR	Transportation Alliance Bank DBA Tab Bank	Ogden, UT	245,000.00	6/3/24	6/3/26	4.950
LLRI CR	Oregon Community CU	Eugene, OR	245,000.00	6/7/24	6/8/26	5.050

**DEVELOPMENT ACTIVITY**

**Water system construction is occurring in the following developments:**

4002 Chestnut Street water main extension,Umilford  
 7649 Penn Drive, Warehouse expansion, water, UMT  
 8323/8449 Congdon Hill Drive, 2 industrial lots with warehouses, LMT  
 Estates at Maple Ridge, Water main extension-UMiIT  
 Glenlivet Drive West Main extension and subdivision UMT  
 Fields at Indian Creek, Phases 4 & 5, 86 residential units (sfd), water and sewer, UMiIT & Emmaus  
 Kohler Tract, 123 residential lots (sfa), water and sewer, UMiIT  
 Laurel Fields Phase 5 25 townhouses (sfd) UMT  
 Lehigh Hills, Lot 5 Phase 2, 240 residential units (sfd.), UMT  
 Lehigh Hills Townhouses, 24 townhouse units (sfa), UMT  
 Madison Village at Penn's View, 66 manufactured homes, 1 lot, water and sewer, LynnT  
 Mertztown Residential Subdivision, 264 sf units & 136 townhouse units, LMT  
 Mosser Road 10 Townhouses,UMT  
 Mountain View Estates, 27 residential units (sfd), LMT  
 Parkland Crossings Main Extension 144 Town homes UMT  
 Raising Canes 1 commercial lot LMT water  
 Sauerkraut Lane Extension, Roadway & water line extension, LMT  
 Spring Creek Properties, Lot 12, 1 lot, warehouse, LMT  
 Towneplace Suites by Marriott, 91-room hotel, UMT  
 Trexler Point (Towns at Schaefer Run) 128 Townhouses UMT  
 Trexler Center Unit 5-Wawa water,-LMT  
 Woodmont Valley 2, 129 apartment units (former Allen Organ Co.) LMT  
 Wrenfield Townhouses 98 Townhomes UMT  
 7150 Ambassador Drive 1 lot, Warehouse expansion, UMT  
 7991 Quarry Road 1 lot, Warehouse,LMT

**Water system plans are being reviewed for the following developments:**

1321 Rising Sun Road, 110 Single family homes, Sewer NWT  
 2024 Elbow lane single home,LMT  
 2619 Grove Street Sewer Main Extension,Washington Township  
 2766 Route 100, Warehouse, Watermain extention, Lowhill Township  
 3400 Brookside Road, Indian Creek- 26 Single family homes-Main extension, LMT  
 3952 Independence Drive,NW  
 4054 Chestnut Street Single connection,Umilford  
 6045 Reppert Lane 24 Town Homes, UMT  
 Valley at Indian Creek 3510 Macungie Road 22 Single family homes-LMT  
 5329-5347-5357 Hamilton Blvd., 1 commercial lot, LMT  
 Advanced Health Care of Allentown, 1 commercial lot, LMT  
 Air Products & Chemicals-Cetronia Road, 1 commercial lot, UMT  
 ATAS International, 1 industrial lot, UMT  
 Bandit Truck Stop Sewer Main Extension, WT  
 Carriage East Residential Development, 11 residential units, (sfd), UMT  
 Fallbrooke Residential Subdivision, 90 sf residential units, UMT  
 Fields at Emmaus 78 Town Homes, UMT  
 Grant Street Townes, 18 Townhouse, WT  
 Grant Way Building Expansion,UMT  
 Heidelberg Heights 10 Townhouses water ext on lot septic, HH  
 Hidden Meadows - Phase 3, 20 townhouse units, UMT  
 Krocks Road Mixed use development  
 Lehigh Valley Town Center, Mixed use development, UMT  
 Ridings at Parkland Phase 2, 44 Single Homes. NWT  
 Schoeneck Road, Lot 1, 1 lot, warehouse, LMT  
 Spring Creek Estates 2022 LMT 2 lots, 2 6 unit Apt, 8 single family homes, water  
 Spring Creek Lot 12 1 Commercial Lot,LMT  
 The Annex at Fields at Indian Creek, 22 sf residential units, Emmaus Borough  
 Towns At Schaefer Run, 128 townhouse unit (sfa), UMT  
 Transedge Truck Center, Warehouse, UMT  
 Twin Ponds 8739 Hamilton Blvd 22 Apts and 1 Daycare UMT  
 Upper Macungie Community Center UMT commercial lot, water and Main Extension  
 V Parkland 9230 Long Lane, 16 Single family homes, UMT.

**Sewage Facilities Planning Modules Reviewed in Prior Month:**

			<b>GPD</b>
Silver Cookies	3140 W Tilghman St	SWT	400
Resurrection Cemetery Storage Building	547 N Krocks Rd	U Mac	223
Medical Office Building	1619 Hausman Rd	SWT	2,390
LVHN Cedar Point West	4154 W Chew St	SWT	0

Lehigh County Authority  
System Operations Review - June 2024  
Presented: July 22, 2024

		<u>Jun-24</u>	<u>2024</u> <u>Totals***</u>	<u>2023 Totals</u>	<u>2022 Totals</u>
Recordable Safety Incidents*	Total LCA	0	0	33	7
Non-Recordable Safety Incidents	Total LCA	2	18		
Incident Types **	Injuries	0	8		
	Property Damage	2	10		
	Near Miss	0	0		

\*\*\*Numbers adjusted to match current tracking methodology

\* Recordable Safety Incidents are those that result in death, days away from work, restricted duty, medical treatment beyond first aid.

\*\* Safety incidents may be categorized in more than one incident type.

<u>Year To Date Safety Incidents</u>	<u>Root Cause Analysis Completed</u>	<u>Corrective Actions Identified</u>	<u>Corrective Actions Completed</u>	
	6	4	1	
<u>Current Month Incidents</u>				
<u>Description</u>	<u>Date</u>	<u>Type</u>	<u>Root Cause(s)</u>	<u>Corrective Action(s)</u>
<b>Incident # 80</b> - Vehicle struck while parked in Wawa parking lot	6/14/2024	Vehicle Incident	N/A	N/A
<b>Incident # 82</b> - light on top of van broken by low hanging branch	6/24/2024	Vehicle Incident	N/A	N/A



Lehigh County Authority  
System Operations Review - June 2024

Presented: July 22, 2024

<u>Critical Activities</u>	<u>System</u>	<u>Description</u>	<u>Jun-24</u>	<u>2024 Totals</u>	<u>2023 Totals</u>	<u>Permit</u>
			<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Max (MGD)</u>
Water Production	Allentown	Total	23.47	22.36	22.52	39.0
		Schantz Spring	7.18	7.15	6.93	9.0
		Crystal Spring	3.85	3.87	3.89	4.0
		Little Lehigh Creek	12.44	10.97	11.66	30.0
		Lehigh River	0.00	0.37	0.04	28.0
	Central Lehigh	Total	13.08	11.27	11.27	19.04 MGD Avg
		Feed from Allentown	7.50	6.64	7.28	7.0 MGD Avg 10.5 MGD Max
		Well Production (CLD)	5.58	4.61	3.98	8.54 MGD Avg
		Sum of all (12) other Suburban Water Systems	0.17	0.15	0.13	1.71 Sum of all wells
Wastewater Treatment	Kline's Island		32.20	37.01	32.24	40.0
	Pretreatment Plant		4.92	5.28	4.78	5.75 (design capacity)
	Sum of all (5) other Suburban WW Systems		0.16	0.22	0.19	0.36
			<u>Jun-24</u>	<u>2024 Totals</u>	<u>2023 Totals</u>	<u>2022 Totals</u>
Precipitation Totals (inches)			2.27	25.39	46.38	46.47
Compliance Reports Submitted to Allentown			17	153	280	277
Notices of Violation (NOVs)		(Allentown + Suburban)	0	2	3	4
Sanitary Sewer Overflows (SSOs)/Bypasses		(Allentown + Suburban)	1	16	24	18
Main Breaks Repaired		Allentown	1	17	8	34
		Suburban	1	4	12	15
Customer Service Phone Inquiries		(Allentown + Suburban)	1421	8733	11,221	10,539
Water Shutoffs for Non-Payment		(Allentown + Suburban)	187	994	1,995	1,975
Injury Accidents		(Allentown + Suburban)	0	8	19	7
Emergency Declarations		Allentown	1 @ \$29,655.98	0	2	(3) @ \$386,225.43
		Suburban	0	1	0	(4) @ \$933,077.1

**Significant Repairs/Upgrades:**

In June, two retroactive emergency declarations were approved. The first was for a repair on the secondary digester gas line at Kline's Island, costing a total of \$29,655.38. The second approval was for an emergency sewer main repair on Ellsworth Street, estimated to be between \$200,000 and \$250,000. The repair has not been completed, but final costs will be updated in a future report.

**Description of Non-Compliance Events:**

An SSO occurred on E. Woodland Ave., manhole 22\_14J, due to a blockage from grease and wipes. The SSO occurred on June 26, 2024, and was estimated to be ~100 gallons.

**Other:**

A Tier 2 Public Notice was issued for the Emmaus Consecutive Division for a PFOA and PFOS PA MCL exceedance.

Lehigh County Authority  
System Operations Review - June 2024  
Presented: July 22, 2024

<u>Critical Activities</u>	<u>System</u>	<u>Description</u>	<u>Jun-24</u>	<u>2024 Totals</u>	<u>2023 Totals</u>
<b>Wastewater Compliance</b>	Allentown	Bypass	0	2	4
		Bypass Volume	0	1,587,414	1,589,466
		Permit Exceedances	0	0	0
		Sanitary Sewer Overflows	0	5	6
		COA Issued NOVs	0	0	1
		Regulatory Agency issued NOVs	0	0	0
	Arcadia	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	0	0	3
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	1	0
	Heidelberg Heights	Bypass	0	4	8
		Bypass Volume	0	2,125,696	1,872,796
		Permit Exceedances	1	9	14
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Lynn	Bypass	0	2	1
		Bypass Volume	0	1,010,000	350,000
		Permit Exceedances	0	2	1
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Sand Spring	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	5	19	39
Sanitary Sewer Overflows		0	0	1	
NOVs		1	1	0	
Wynnewood	Bypass	0	0	0	
	Bypass Volume	0	0	0	
	Permit Exceedances	0	6	5	
	Sanitary Sewer Overflows	0	3	3	
	NOVs	0	0	0	
<b>Water Compliance</b>	Allentown	Boil Water Advisories	0	0	2
	Central Lehigh	Boil Water Advisories	0	0	1
	Suburban Water Systems	Boil Water Advisories	0	1	3



1053 SPRUCE RD \* P.O. BOX 3348 \* ALLENTOWN, PA 18106-0348  
 610-398-2503 \* email: service@lehighcountyauthority.org  
 www.lehighcountyauthority.org

«Customer»  
 «c\_cid\_name2»  
 «c\_addr\_line1»  
 «c\_addr\_line2»  
 «c\_cid\_city», «c\_cid\_state» «c\_cid\_zip»

**EMMAUS CONSECUTIVE DIVISION CUSTOMERS  
 IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER**

**PERFLUOROCTANE SOLFONATE (PFOS) / PERFLUOROCTANOIC ACID (PFOA)  
 MAXIMUM CONTAMINANT LEVEL (MCL) EXCEEDANCE**

**ESTE INFORME CONTIENE INFORMACIÓN IMPORTANTE ACERCA DE SU AGUA POTABLE.  
 HAGA QUE ALGUIEN LO TRADUZCA PARA USTED, O HABLE CON ALGUIEN QUE LO ENTIENDA.**

**Water Purchased from the Borough of Emmaus Has Levels of Perfluorooctane sulfonate (PFOS)/  
 Perfluorooctanoic acid (PFOA) Above Drinking Water Standards**

Lehigh County Authority (LCA) purchases all water for Emmaus Consecutive Division customers from the Borough of Emmaus, and it is important for you to be aware of this water quality issue. LCA previously shared water sampling information provided by the Borough of Emmaus for two contaminated wells. To provide customers with the best information possible and meet regulatory compliance, LCA has started quarterly sampling for these contaminants at locations in our distribution system. Some samples exceeded the current Pennsylvania standard, or maximum contaminant level (MCL), for PFOS and/or PFOA.

Sample results are in parts per trillion or **ppt**, which is equivalent to **one drop in 20** Olympic-sized swimming pools. The standard for **PFOA is 14 parts per trillion (ppt)** and for **PFOS is 18 parts per trillion (ppt)**. The system average for PFOA was found at a level of 13.7 ppt and PFOS was found at a level of 78.1 ppt in your drinking water. Although the system average for PFOA is below the MCL, individual results may be higher or lower at any given time due to the mix of water supplies being used. The results displayed in the table below provide the individual sample results and distribution system locations.

Sample Date	Site #	PFOA ppt	PFOS ppt	Location/Address
5/14/2024	701	4.62	4.55	182 Woodhaven Dr
5/14/2024	702	24.9	226	75 Chestnut Hill Road
5/14/2024	703	12.7	90.8	Camp St. between 3353 W Emaus Ave & 3368 Capitol St.
5/14/2024	704	9.17	4.17	Miriam by Chris Dr
5/14/2024	705	12.6	41.4	3501 Orchid Cir
5/20/2024	706	22	194	50 White Oak Ln
5/20/2024	707	15.3	102	Pike Rd by 3128 S 6th St
5/14/2024	708	10.5	31.7	4302 David Drive - Salem Ridge
5/20/2024	709	11.4	7.93	3461 S Cedar Crest Blvd, Lutheran Church

## **Lehigh County Authority Notice to Emmaus Consecutive Division Customers**

### **What are PFOS and PFOA?**

PFOS and PFOA are chemicals that are part of a larger group referred to as perfluoroalkyl substances (PFAS). These are man-made chemicals and do not occur naturally in the environment. They have been used to make items that are resistant to water, grease, or stains such as cookware, carpets, food and other packaging. They are also used in industrial processes and in firefighting foams. Since these substances are resistant to heat, water, and oil they persist in the environment and in the human body. Due to the prevalence of PFAS in consumer products, it is likely that most people have been exposed to these substances at some point.

Learn more about these chemicals on LCA's dedicated webpage:

<https://www.lehighcountyauthority.org/information-about-pfas/>.

### **What happened? What was done?**

The Borough of Emmaus has determined the source of the PFOS and PFOA at the fire training facility and has taken action to address the problem, including shutting down a contaminated well. The Borough is working closely with PA DEP and is currently in the design phase of developing a treatment system.

To learn more about the corrective action plan visit the Borough of Emmaus website at

<https://www.emmauspa.gov/>.

### **What does this mean?**

This is not an immediate risk. If it had been, you would have been notified immediately. However, exposure to PFOS and PFOA over certain levels may result in adverse health effects, including developmental effects to fetuses during pregnancy or to breastfed infants (e.g. low birth weight, accelerated puberty, skeletal variations), cancer (e.g. testicular, kidney), liver effects (e.g. tissue damage), immune effects (e.g. antibody production and immunity), thyroid effects and other effects (e.g. cholesterol changes).

### **What should I do?**

**Talk to your doctor if you have health concerns related to this information.** You do not need to use an alternative (e.g., bottled) water supply, per PA DEP.

### **What is LCA doing?**

LCA is working with the Borough of Emmaus and DEP to be sure you receive information about water quality as this situation is being addressed. Quarterly sampling is being conducted throughout the distribution system and results will be shared with customers.

***Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.***

For more information, please contact the LCA Customer Care Team at 610-398-1444 or email us at [service@lehighcountyauthority.org](mailto:service@lehighcountyauthority.org).