



LCA Main Office:
1053 Spruce Road
Wescosville, PA 18106
610-398-2503

Agendas & Minutes Posted:
www.lehighcountyauthority.org

LEHIGH COUNTY AUTHORITY

Published: February 17, 2025

BOARD MEETING AGENDA – February 24, 2025 – 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 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. 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 the 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

February 10, 2025 Board Meeting minutes

4. Public Comments

5. Action / Discussion Items:

FINANCE AND ADMINISTRATION

- *Board of Directors – Election of Officers*
- *Suburban Water Facilities – SCADA System Upgrade (Approval) (yellow) (digital Board packet, pages 6-9)*
- *Emergency Declaration – Suburban Division Water Main Replacement – (Approval) (blue) (digital Board packet, page 10)*

WATER

WASTEWATER

6. Monthly Project Updates / Information Items (1st Board meeting per month)

7. Monthly Financial Review (2nd Board meeting per month) (*digital Board packet, pages 11-23*) – **December 2024 report attached**

8. Monthly System Operations Overview (2nd Board meeting per month) (*digital Board packet, pages 24-26*) – **January 2025 report attached**
9. Staff Comments
10. Solicitor's Comments
11. Public Comments / Other Comments
12. Board Member Comments
13. Executive Sessions
14. Adjournment

UPCOMING BOARD MEETINGS		
March 10, 2025	March 24, 2025	April 14, 2025

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

February 10, 2025

The Regular Meeting of the Lehigh County Authority Board of Directors was called to order at 12:01 p.m. on Monday, February 10, 2025, 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, Jeff Morgan, Norma Cusick, Linda Rosenfeld, Sean Ziller, and Marc Grammes were present for Roll Call, and remained for the duration of the meeting. Kevin Baker entered the meeting at 12:05 p.m. and was present for the duration of the meeting. Ted Lyons entered the meeting at 12:30 p.m. and was present for the remaining duration of the meeting.

Attorney Kevin Reid, the Authority’s Solicitor, was present along with Authority Staff, Liesel Gross, Ed Klein, Chuck Volk, Phil DePoe, 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 stated the December 2024 Financial report will not be presented at today’s meeting. Ed Klein is working on the year-end analysis and will present the report at the next meeting. Also, there will be an Executive Session at the end of the regular meeting to discuss potential litigation.

APPROVAL OF MINUTES

January 27, 2025 Meeting Minutes

On a motion by Jeff Morgan, seconded by Linda Rosenfeld, the Board approved the minutes from the January 27, 2025 meeting as presented (7-0).

PUBLIC COMMENTS

None.

LCA Strategic Plan – Progress Reporting

Liesel Gross provided background information regarding the Strategic Plan that was adopted in December 2021, explaining how the Authority’s Mission, Vision, Values, and Priorities are interconnected within the plan. Since the plan was adopted, annual goals and priorities have been selected to be the focus for each calendar year. In 2024, seven major goals were selected with 53 individual targeted tasks identified. Approximately 70 percent of these tasks were completed in 2024, and she reviewed the items that have been delayed related to the KISS Act 537 Plan, Tyler EERP Implementation, Lead Replacement, and Building Optimization categories.

There was some Board discussion regarding the phasing of the Tyler EERP project implementation. Ms. Gross explained the updated “go live” date of July 1, 2025 was selected to coincide with the end of a fiscal quarter, and some modules could be implemented after that date.

There was additional discussion about the need for a staffing plan and elements of that planning including planning for retirements.

Liesel Gross reviewed other key achievements from 2024 including excellent new hires, internship program, regional collaboration, financial achievements, and internal collaboration. Looking forward to 2025, the Authority will continue to focus on the big items discussed earlier, along with new organizational strategies related to water and sewer rate affordability and long-term staffing. Ms. Gross asked the Board to consider if a refresh of the strategic plan would be helpful in 2025, and noted she would poll the strategic planning subcommittee for additional feedback.

There was some discussion about staffing and the Authority's progress on filling vacant positions.

Amir Famili recognized the staff for improvements in the Safety program, noting that the number of recordable injuries has been drastically reduced.

Brian Nagle asked if there would be any negative impacts with the delay in completing the KISS Act 537 Plan, and asked what are the drivers for the delay. Ms. Gross explained that last fall the Authority received specific feedback from DEP that caused the Act 537 Plan to be adjusted, which has taken some time to accomplish. In addition, the 15 municipalities included in the planning process are being asked to submit documentation to the Authority, and some submissions have been delayed. However, the plan will be submitted in 2025, which will meet DEP's expectations.

Suburban Division – LCA Meter Stations 1 and 2 Upgrades

Chuck Volk explained that this project is to expand peak flow metering capacity of two existing meter stations to enable the accurate measurement of flows from the two boroughs, Macungie and Alburtis. In order to accomplish this, the existing flumes need to be removed and replaced because they are undersized and cause bottlenecks that overflow during peak flows. Mr. Volk provided a map showing where the meters are located and pictures of the meter stations and the flumes.

Liesel Gross noted that the project total cost is estimated to be \$298,000, which is over the newly established threshold of \$250,000. However, this approval for the construction phase is less than the new threshold. She asked for Board feedback on the application of the new threshold to construction projects. Chairman Nagle commented that good practice would be to use the project total cost when bringing projects before the Board.

Amir Famili asked if the meters have an impact on sewer billing. Liesel Gross explained that the municipalities are currently negotiating new sewer agreements, and the current draft includes an updated billing method using metered flows. These meter upgrades will be required to implement the new billing approach.

On a motion by Norma Cusick, seconded by Sean Ziller, the Board approved the Capital Project Authorization for the Construction Phase – Meter Stations 1 and 2 Upgrades in the amount of \$239,135.00 which includes contract award for construction to LB Industries, Inc. in the amount of \$185,135.00 and the Professional Services Authorization for Construction Engineering to Arcadis in the amount of \$38,000.00 (9-0)

MONTHLY PROJECT UPDATES / INFORMATION ITEMS

Liesel Gross reviewed items that will be on the agenda for the next meeting including the December 2024 Financial Report. She also noted the Election of Officers will occur at the next meeting.

STAFF COMMENTS

None.

SOLICITOR'S COMMENTS

None.

PUBLIC COMMENTS / OTHER COMMENTS

None.

BOARD MEMBER COMMENTS

Chairman Nagle asked Norma Cusick to serve as the Nominating Committee for the upcoming Board election of officers. Ms. Cusick agreed and will poll the Board members regarding their interest in being nominated to an officer position. Nominations will be finalized, and officers will be elected at the next meeting.

Chairman Nagle announced that his term on the Board ended in December, and he is not seeking reappointment to the Board.

EXECUTIVE SESSION

There will be an Executive Session after the regular meeting to discuss matters of potential litigation.

ADJOURNMENT

There being no further business, the Chairman adjourned the meeting at 12:41 p.m.

Jeffrey J. Morgan
Secretary

MEMORANDUM

Date: February 17, 2025

To: LCA Board of Directors
From: Christopher Moughan, Director of Service and Technology
Subject: Suburban Water/Wastewater SCADA Upgrade

MOTIONS / APPROVALS REQUESTED:

No.	Item	Amount
1	Capital Project Authorization – Amendment – Suburban Water/Wastewater SCADA Upgrade	\$393,975
2	Professional Services Authorization: Keystone Engineering *	\$368,975

** Included in Capital Project Authorization*

PROJECT OVERVIEW:

This project has been focused on upgrading the Supervisory Control and Data Acquisition (SCADA) system for 42 facilities within the Lehigh County Authority (LCA) Suburban Division water and sewer systems. This year is the final year of this project. It has been in process since 2022 and has resulted in a standardized system for all facilities for system management, operational data collection, and alarm protocols for operational events. The project has been phased by priority, determined by LCA staff and Keystone Engineering, considering system issues, SCADA system age, and remote support capabilities. This has increased operational efficiencies and decreased response times.

This is the final request for professional services for the final nine remote facilities included in this project. Additional project details:

- Due to the size of the Suburban Division coverage area, SCADA and real time communication and control are paramount in avoiding issues affecting LCA customers such as boil water advisories. Some of LCA’s remote facilities are a 30-40-minute drive away from the Main Office & Operations Center. Therefore, upgrading the SCADA system will allow LCA staff to view and address some issues remotely in a more timely manner.

- Operational Efficiencies Achieved (since 2022)
 - Decreased response time to issues
 - Decreased drive times
 - Reduced vehicle usage
 - Remote access
 - Reduction of boil advisories & improved system compliance

- Other Project Achievements
 - For the past three years Keystone Engineering, OCC and LCA have been working together and are ahead of schedule.
 - The schedule has been modified over the course of the prior three years to make adjustments in priority and system issues.
 - All systems that have been migrated to date have standardized layouts, formatting and alarming, making it easier and more efficient for LCA employees to make real-time decisions and decreasing the need for onsite visits.

FINANCIAL:

Funding for this project is included in the 2025-2029 Suburban Division Administration Capital Plan.

PROJECT STATUS:

Phases 1, 2 and 3 are complete. Phase 4 (final phase) pending Board of Directors approval.

PROFESSIONAL SERVICES – CONSTRUCTION PHASE:

Keystone Engineering will serve as the lead integrator and construction manager for this project. Keystone Engineering has served as LCA’s partner with the system evaluation, and design/build for the remote sites to date. The Board previously approved the construction contract with OCC in 2022, which remains an active contract with adequate funding authorized to complete the full program.

PROJECT SCHEDULE:

Assuming Board approval of the Construction Phase Year 4 at the February 10, 2025 meeting, work is expected to be completed in 2025, which is one year ahead of schedule.

FUTURE AUTHORIZATIONS:

Potential extension of this project may include three additional LCA Suburban Wastewater facilities.

IMPORTANT BOARD DISCLOSURE:

Through the process of developing this authorization information for Board review at the February 24, 2025 meeting, it was discovered that a significant oversight occurred in the authorization of Phase 2 and Phase 3 work on this project. These phases were approved administratively due to a mischaracterization of the expenses – they were treated as Operating expenses but were actually part of LCA’s Capital budget.

As the Board recently adopted a new Resolution (1-2025-1) to establish standardized thresholds for Board approval of both Operating and Capital expenses, this oversight came to light as the LCA staff have adjusted internal processes to meet the new requirements of the Resolution. In prior practice, before the adoption of this Resolution, Operating costs were not brought to the Board for review and approval regardless of size of the purchase or expense. Therefore, the previous mischaracterization of these project costs as Operating expense resulted in the authorizations not being brought to the Board.

The Phase 2 and Phase 3 expenses for services provided by Keystone were as follows:

Phase 2 – Keystone Expenses Paid	\$	516,935
Phase 3 – Keystone Expenses Paid	\$	841,465

This unfortunate oversight was discovered through a process improvement effort undertaken by the LCA Staff and Board of Directors via the adoption of standardized authorization protocols for all expenses, regardless of budget category.

CAPITAL PROJECT AUTHORIZATION - AMENDMENT

PROJECT NO.: SD-A-1 **BUDGET FUND:** Suburban Division

PROJECT TITLE: Suburban Division SCADA Upgrade **PROJECT TYPE:**

- Construction
- Engineering Design
- Engineering Study
- Amendment

THIS AUTHORIZATION: \$ 393,975

TO DATE (W/ ABOVE) \$ 5,186,896

DESCRIPTION AND BENEFITS:

This project has been focused on upgrading the Supervisory Control and Data Acquisition (SCADA) system for 42 facilities within the Lehigh County Authority (LCA) Suburban Division water and sewer systems. This year is the final year of this project. It has been in process since 2022 and has resulted in a standardized system for all facilities for system management, operational data collection, and alarm protocols for operational events. The project has been phased by priority, determined by LCA staff and Keystone Engineering, considering system issues, SCADA system age, and remote support capabilities. This has increased operational efficiencies and decreased response times.

Previous Authorizations	
Project design & phase 1 and 2 construction	\$3,434,521
Phase 2 & 3 engineering support (authorized administratively – see Board memo for details)	\$1,358,400

REQUESTED THIS AUTHORIZATION	
Construction Phase	
Staff	\$10,000
Professional Services:	
Keystone Engineering Group	\$368,975
Contingency	\$15,000
Total This Authorization	\$393,975

Future Authorization	
<i>Additional Wastewater Facility SCADA Upgrades</i>	TBD

REVIEW AND APPROVALS:

Project Manager	Date	Chief Executive Officer	Date
Chief Capital Works Officer	Date	Chairman	Date



Lehigh County Authority

1053 Spruce Road * P.O. Box 3348 * Allentown, PA 18106-0348
(610)398-2503 * FAX (610)398-8413

PROFESSIONAL SERVICES AUTHORIZATION

Professional: Keystone Engineering Group
590 Lancaster Ave
Suite 200
Frazer, PA19355

Date: February 24, 2025

Requested By: Christopher Moughan

Approvals

Department Head: _____

Chief Executive

Officer: _____

Suburban Division – SCADA Upgrade Project

Previous Authorizations: \$1,452,205

This Authorization – Design Phase: \$368,975

Keystone Engineering will provide programming and construction management related services for the aforementioned project. Keystone was the design engineering firm that visited and evaluated each of our locations to evaluate current state and provide design specifications for each of the remote stations. They categorized the station into 5 categories ranging from simple well control to complex development stations to increase programming and build out efficiencies. This final phase, Keystone will provide programming and construction management for this phase.

Professional Services
1. Attend monthly PM meetings at LCA or virtually
2. Design SCADA programs for each of the remaining stations
3. Assist in management of physical construction of new station equipment.
4. Continue support of existing stations already completed in this project.
5. Support LCA through punch list items that arise during final walk-throughs

Cost Estimate (not to be exceeded without further authorization): **\$ 368,975**

Timetable and Completion Deadline: As required to meet design timeline requirements

(For Authority Use Only)

Authorization Completion:

Approval: _____ **Actual Cost:** _____ **Date:** _____



1242 Martin Luther King Dr Drive * Allentown, PA 18102
610-437-7646 * email: cityservice@lehighcountyauthority.org
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MEMORANDUM

Date: February 24th, 2025

To: LCA Board of Directors
Liesel Gross, Chief Executive Officer
Edward Klein, Chief Financial Officer
Christopher Moughan, Director of Service & Technology
Patricia Walck, Purchasing Agent

From: Joseph Younes, Sr. Field Services Manager

RE: Emergency Main Repair – Nursery Street

On Tuesday, February 4, 2025, at approximately 10:30 a.m., a Lehigh County Authority (LCA) field inspector was on-site overseeing a stormwater line installation on Nursery Street near Fogelsville. During excavation, Dirt Worx, the contractor on site, exposed an 8-inch LCA water main. It was observed that the water main was leaking and showed signs of pitting and delamination at two of the three excavation points. A repair clamp was applied to address the leak, allowing Dirt Worx to resume operations for the day.

Due to the number of excavation sites and equipment involved in the construction activity, LCA sent a field crew to perform potholing on February 5, 2025, to better understand the full extent of the pipe's condition. As a result, four additional excavation sites were opened, covering a span of 300 feet. In all the exposed areas, LCA found pitting, delamination and corrosion along the pipe. This condition indicates the pipe is in very poor condition and could result in multiple water main breaks at any time. Based on these findings, LCA management recommended that 800 feet of existing water main be replaced as soon as possible. This course of action would help maintain water quality, reduce the risk of future leaks, and associated liabilities in what will be a new development that is currently under construction in the area.











































Scheuermann Excavating Inc. provided a cost estimate for the replacement, ranging from \$270,000 to \$300,000. LCA staff are working to finalize the plans for the project and will proceed once all details are in place.

Due to the time-sensitive nature of this repair, the emergency was declared administratively on February 5, 2025. The LCA Board of Directors is asked to approve this declaration retroactively to February 5, 2025 to cover expenses already incurred (or to be incurred) as a result of this emergency and waive standard purchasing guidelines as a result of acting as expeditiously as possible to address the emergency.

CC: Gerald Charvala Jr., Deputy Director of Field Services
Christine Richie, Field Services Office Coordinator

**LEHIGH COUNTY AUTHORITY
FINANCIAL STATEMENTS
DECEMBER 2024**

**LEHIGH COUNTY AUTHORITY
YTD SUMMARY SCORESHEET
DECEMBER 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			
TOTAL GREEN	<u><u>10</u></u>	<u><u>5</u></u>	<u><u>13</u></u>

LEHIGH COUNTY AUTHORITY
 FINANCIAL STATEMENTS - SUMMARY
 For the Period Ended December 31, 2024

	Consolidated Financial Statements														
	Month					Year To Date					FULL YEAR				
	Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Budget	Prior Year	Bud Var	PY Var
Income Statement															
Suburban Water	477,645	863,892	4,984,481	(386,248)	(4,506,836)	2,614,773	2,663,377	8,266,949	(48,604)	(5,652,176)	2,614,773	2,019,922	8,266,949	594,851	(5,652,176)
Suburban Wastewater	(2,654,132)	(70,883)	(657,657)	(2,583,249)	(1,996,474)	(3,208,857)	(1,861,583)	(556,016)	(1,347,274)	(2,652,841)	(3,208,857)	(1,632,719)	(556,016)	(1,576,138)	(2,652,841)
City Division	503,523	359,936	(6,498,048)	143,587	7,001,572	16,672,296	12,048,379	7,774,364	4,623,918	8,897,932	16,672,296	14,844,627	7,774,364	1,827,669	8,897,932
Total LCA	(1,672,964)	1,152,945	(2,171,225)	(2,825,909)	498,261	16,078,212	12,850,173	15,485,297	3,228,039	592,915	16,078,212	15,231,830	15,485,297	846,382	592,915
Cash Flow Statement															
Suburban Water	(484,851)	2,790,642	(208,987)	(3,275,493)	(275,864)	909,715	3,027,642	3,349,056	(2,117,928)	(2,439,342)	909,715	1,446,851	3,349,056	(537,136)	(2,439,342)
Suburban Wastewater	(1,657,825)	(1,343,172)	100,489	(314,654)	(1,758,315)	7,834,440	8,023,427	2,903,816	(188,987)	4,930,624	7,834,440	347,045	2,903,816	7,487,395	4,930,624
City Division	(9,576,815)	(1,443,145)	(8,637,646)	(8,133,670)	(939,169)	59,115,902	53,754,862	13,782,982	5,361,040	45,332,920	59,115,902	2,940,507	13,782,982	56,175,395	45,332,920
Total LCA	(11,719,491)	4,325	(8,746,144)	(11,723,816)	(2,973,347)	67,860,056	64,805,931	20,035,854	3,054,125	47,824,202	67,860,056	4,734,403	20,035,854	63,125,654	47,824,202
Debt Service Coverage Ratio															
Suburban Water	3.02	6.28	3.35	(3.26)	(0.33)	2.23	2.24	2.49	(0.01)	(0.26)	2.23	1.96	2.49	0.27	(0.26)
Suburban Wastewater	(20.32)	9.54	6.81	(29.86)	(27.13)	3.25	4.47	8.73	(1.22)	(5.48)	3.25	4.67	8.73	(1.42)	(5.48)
City Division	2.84	2.27	(0.95)	0.57	3.79	2.62	2.27	2.38	0.34	0.24	2.62	2.13	2.80	0.49	(0.18)

LEHIGH COUNTY AUTHORITY
VARIANCE ANALYSIS - YTD
For the Period Ended December 31, 2024

STATEMENTS OF ACTIVITIES

Operating Revenues:

User Charges	17,419,721	17,524,394	(104,673)	Higher industrial, commercial, and residential revenue more than offset by lower miscellaneous revenues
Connection & System Charges	781,191	1,034,156	(252,964)	Lower Developer reimbursement
Other Miscellaneous Revenues	149,898	176,276	(26,377)	

Total Operating Revenues

18,350,811	18,734,826	(384,015)	Lower user charges and lower system charges
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Operating Expenses:

Personnel	4,267,647	4,271,437	3,789	
Shared Services - General & Administrative	825,732	1,066,844	241,112	
Utilities	492,836	531,376	38,541	
Materials and Supplies	892,373	1,086,624	194,251	
Miscellaneous Services	4,953,123	4,706,969	(246,154)	
Treatment and Transportation	-	-	-	
Depreciation and Amortization	3,573,453	3,650,624	77,170	
Major Maintenance Expenses	-	-	-	
Other Miscellaneous	-	93,100	93,100	

Total Operating Expenses

15,005,164	15,406,973	401,809	Favorable across the board except for higher services spending
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Net Operating Profit

3,345,647	3,327,853	17,794	Lower operating revenues partially offset by lower operating expenses
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Non-Operating Income (Expense)

Interest Income	697,464	692,236	5,228	
Interest (Expense)	(1,436,834)	(1,353,641)	(83,193)	
Other Miscellaneous	8,496	(3,070)	11,566	

Net Non-Operating Income (Expense)

(730,874)	(664,475)	(66,398)	Higher interest expense
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Net Income (Loss)

2,614,773	2,663,377	(48,604)	Lower net operating income and higher interest expense
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CASH FLOW STATEMENT

Cash Flows From Operating Activities

Operating Revenues	18,350,811	18,734,826	(384,015)	
Operating Expenses (ex D&A)	(11,431,711)	(11,756,350)	324,639	
Non-Cash Working Capital Changes	(1,372,810)	31,690	(1,404,500)	Lower receivable collections

Net Cash Provided by (Used in) Operating Activities

5,546,290	7,010,166	(1,463,876)	Lower operating revenues and unfavorable working capital movements
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Cash Flows From Financing Activities

Capital Contributions	-	-	-	
Proceeds New Borrowing	5,241,371	5,241,371	-	
Interest Payments	(1,146,731)	(1,167,162)	20,431	
Principal Payments	(2,081,771)	(2,254,324)	172,553	

Net Cash Provided by (Used in) Financing Activities

2,012,869	1,819,885	192,984	Lower debt service
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Cash Flows from Capital and Related Activities

Non-Operating Income (Expenses)	8,496	(3,070)	11,566	
Capital Expenditures, net	(7,600,404)	(6,491,575)	(1,108,830)	

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

(7,591,908)	(6,494,644)	(1,097,264)	Higher capex
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Cash Flows From Investing Activities

Investments Converting To Cash	735,000	735,000	-	
Purchased Investments	(490,000)	(735,000)	245,000	
Interest Income	697,464	692,236	5,228	

Net Cash Provided By (Used In) Investing Activities

942,464	692,236	250,228	Favorable financial activities
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FUND NET CASH FLOWS

909,715	3,027,642	(2,117,928)	Lower cash from operations and higher capex
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Suburban - Water				
Actual	Q4 FC	FC Var	Comments	
Operating Revenues:				
User Charges	17,419,721	17,524,394	(104,673)	Higher industrial, commercial, and residential revenue more than offset by lower miscellaneous revenues
Connection & System Charges	781,191	1,034,156	(252,964)	Lower Developer reimbursement
Other Miscellaneous Revenues	149,898	176,276	(26,377)	
Total Operating Revenues	18,350,811	18,734,826	(384,015)	Lower user charges and lower system charges
Operating Expenses:				
Personnel	4,267,647	4,271,437	3,789	
Shared Services - General & Administrative	825,732	1,066,844	241,112	
Utilities	492,836	531,376	38,541	
Materials and Supplies	892,373	1,086,624	194,251	
Miscellaneous Services	4,953,123	4,706,969	(246,154)	
Treatment and Transportation	-	-	-	
Depreciation and Amortization	3,573,453	3,650,624	77,170	
Major Maintenance Expenses	-	-	-	
Other Miscellaneous	-	93,100	93,100	
Total Operating Expenses	15,005,164	15,406,973	401,809	Favorable across the board except for higher services spending
Net Operating Profit	3,345,647	3,327,853	17,794	Lower operating revenues partially offset by lower operating expenses
Non-Operating Income (Expense)				
Interest Income	697,464	692,236	5,228	
Interest (Expense)	(1,436,834)	(1,353,641)	(83,193)	
Other Miscellaneous	8,496	(3,070)	11,566	
Net Non-Operating Income (Expense)	(730,874)	(664,475)	(66,398)	Higher interest expense
Net Income (Loss)	2,614,773	2,663,377	(48,604)	Lower net operating income and higher interest expense

Cash Flows From Operating Activities				
Operating Revenues	18,350,811	18,734,826	(384,015)	
Operating Expenses (ex D&A)	(11,431,711)	(11,756,350)	324,639	
Non-Cash Working Capital Changes	(1,372,810)	31,690	(1,404,500)	Lower receivable collections
Net Cash Provided by (Used in) Operating Activities	5,546,290	7,010,166	(1,463,876)	Lower operating revenues and unfavorable working capital movements
Cash Flows From Financing Activities				
Capital Contributions	-	-	-	
Proceeds New Borrowing	5,241,371	5,241,371	-	
Interest Payments	(1,146,731)	(1,167,162)	20,431	
Principal Payments	(2,081,771)	(2,254,324)	172,553	
Net Cash Provided by (Used in) Financing Activities	2,012,869	1,819,885	192,984	Lower debt service
Cash Flows from Capital and Related Activities				
Non-Operating Income (Expenses)	8,496	(3,070)	11,566	
Capital Expenditures, net	(7,600,404)	(6,491,575)	(1,108,830)	
Net Cash Provided By (Used In) Capital and Related Activities	(7,591,908)	(6,494,644)	(1,097,264)	Higher capex
Cash Flows From Investing Activities				
Investments Converting To Cash	735,000	735,000	-	
Purchased Investments	(490,000)	(735,000)	245,000	
Interest Income	697,464	692,236	5,228	
Net Cash Provided By (Used In) Investing Activities	942,464	692,236	250,228	Favorable financial activities
FUND NET CASH FLOWS	909,715	3,027,642	(2,117,928)	Lower cash from operations and higher capex

LEHIGH COUNTY AUTHORITY
VARIANCE ANALYSIS - YTD
For the Period Ended December 31, 2024

Suburban - Wastewater				
STATEMENTS OF ACTIVITIES	Actual	Q4 FC	FC Var	Comments
Operating Revenues:				
User Charges	17,192,860	19,201,227	(2,008,366)	Lower municipal charges
Connection & System Charges	1,350,898	1,652,882	(301,985)	
Other Miscellaneous Revenues	405	2,618	(2,213)	
Total Operating Revenues	18,544,163	20,856,727	(2,312,564)	Lower user charges and lower system charges
Operating Expenses:				
Personnel	1,740,920	1,740,118	(802)	
Shared Services - General & Administrative	332,728	428,822	96,094	
Utilities	263,757	320,045	56,288	
Materials and Supplies	378,342	472,867	94,525	
Miscellaneous Services	7,073,072	7,492,424	419,352	
Treatment and Transportation	5,507,108	5,519,486	12,378	
Depreciation and Amortization	6,956,464	7,031,500	75,036	
Major Maintenance Expenses	-	-	-	
Other Miscellaneous	-	22,100	22,100	
Total Operating Expenses	22,252,390	23,027,362	774,972	Almost entirely favorable across the board
Net Operating Profit	(3,708,228)	(2,170,635)	(1,537,593)	Lower operating revenues
Non-Operating Income (Expense)				
Interest Income	636,313	632,188	4,125	
Interest (Expense)	(136,537)	(178,764)	42,227	
Other Miscellaneous	(406)	(144,372)	143,966	
Net Non-Operating Income (Expense)	499,371	309,052	190,319	
Net Income (Loss)	(3,208,857)	(1,861,583)	(1,347,274)	Lower net operating profit a little offset by favorable financial activity
CASH FLOW STATEMENT				
Cash Flows From Operating Activities				
Operating Revenues	18,544,163	20,856,727	(2,312,564)	
Operating Expenses (ex D&A)	(15,295,927)	(15,995,862)	699,935	
Non-Cash Working Capital Changes	5,167,719	2,969,522	2,198,197	Higher receivable collections and lower expense payments
Net Cash Provided by (Used in) Operating Activities	8,415,955	7,830,387	585,568	Lower net operating income more than offset by favorable working capital movements
Cash Flows From Financing Activities				
Capital Contributions	-	-	-	
Proceeds New Borrowing	11,000,000	11,000,000	-	
Interest Payments	(121,742)	(185,934)	64,192	
Principal Payments	(2,878,132)	(1,010,486)	(1,867,646)	
Net Cash Provided by (Used in) Financing Activities	8,000,126	9,803,580	(1,803,454)	Higher debt service
Cash Flows from Capital and Related Activities				
Non-Operating Income (Expenses)	(406)	(144,372)	143,966	
Capital Expenditures, net	(9,706,549)	(10,587,357)	880,808	
Net Cash Provided by (Used In) Capital and Related Activities	(9,706,954)	(10,731,729)	1,024,775	Lower capex
Cash Flows From Investing Activities				
Investments Converting To Cash	2,408,000	2,408,000	-	
Purchased Investments	(1,919,000)	(1,919,000)	-	
Interest Income	636,313	632,188	4,125	
Net Cash Provided By (Used In) Investing Activities	1,125,313	1,121,188	4,125	
FUND NET CASH FLOWS	7,834,440	8,023,427	(188,987)	Higher cash from operating activities and lower capex offset more than offset by higher debt service

LEHIGH COUNTY AUTHORITY
VARIANCE ANALYSIS - YTD
For the Period Ended December 31, 2024

STATEMENTS OF ACTIVITIES

Operating Revenues:

User Charges	58,436,644	58,080,070	356,573	Higher municipal charges
Connection & System Charges	6,980,879	7,029,117	(48,237)	Lower development reimbursement
Other Miscellaneous Revenues	254,620	49,090	205,531	

Total Operating Revenues

Operating Expenses:

Personnel	11,840,977	13,927,623	2,086,646	
Shared Services - General & Administrative	2,127,095	2,447,039	319,944	
Utilities	1,833,941	2,018,929	184,989	
Materials and Supplies	3,083,527	3,280,828	197,301	
Miscellaneous Services	2,511,568	2,325,068	(186,500)	
Treatment and Transportation	11,933	12,000	67	
Depreciation and Amortization	7,116,269	6,260,297	(855,972)	
Major Maintenance Expenses	4,038,038	4,000,000	(38,038)	
Other Miscellaneous	-	-	-	

Total Operating Expenses

Net Operating Profit

Non-Operating Income (Expense)

Interest Income	5,755,319	1,997,689	3,757,631	
Interest (Expense)	(16,783,652)	(17,103,642)	319,990	
Other Miscellaneous	(5,408,167)	(3,732,161)	(1,676,006)	Higher loan fees on borrowing

Net Non-Operating Income (Expense)

Net Income (Loss)

City Division				
	Actual	Q4 FC	FC Var	Comments
Operating Revenues:				
User Charges	58,436,644	58,080,070	356,573	Higher municipal charges
Connection & System Charges	6,980,879	7,029,117	(48,237)	Lower development reimbursement
Other Miscellaneous Revenues	254,620	49,090	205,531	
Total Operating Revenues	65,672,143	65,158,277	513,867	Higher user charges partially offset by lower system charges
Operating Expenses:				
Personnel	11,840,977	13,927,623	2,086,646	
Shared Services - General & Administrative	2,127,095	2,447,039	319,944	
Utilities	1,833,941	2,018,929	184,989	
Materials and Supplies	3,083,527	3,280,828	197,301	
Miscellaneous Services	2,511,568	2,325,068	(186,500)	
Treatment and Transportation	11,933	12,000	67	
Depreciation and Amortization	7,116,269	6,260,297	(855,972)	
Major Maintenance Expenses	4,038,038	4,000,000	(38,038)	
Other Miscellaneous	-	-	-	
Total Operating Expenses	32,563,347	34,271,784	1,708,436	All discretionary categories favorable except for services
Net Operating Profit	33,108,796	30,886,493	2,222,303	Higher operating revenues and lower operating expenses
Non-Operating Income (Expense)				
Interest Income	5,755,319	1,997,689	3,757,631	
Interest (Expense)	(16,783,652)	(17,103,642)	319,990	
Other Miscellaneous	(5,408,167)	(3,732,161)	(1,676,006)	Higher loan fees on borrowing
Net Non-Operating Income (Expense)	(16,436,500)	(18,838,114)	2,401,614	Higher interest income
Net Income (Loss)	16,672,296	12,048,379	4,623,918	Higher net operating income aided by favorable financial activity

CASH FLOW STATEMENT

Cash Flows From Operating Activities

Operating Revenues	65,672,143	65,158,277	513,867	
Operating Expenses (ex D&A)	(21,409,041)	(24,011,487)	2,602,446	
Non-Cash Working Capital Changes	(5,408,725)	2,772,834	(8,181,560)	Unfavorable Working Capital Movements

Net Cash Provided by (Used in) Operating Activities

Cash Flows From Financing Activities

Capital Contributions	-	-	-	
Proceeds New Borrowing	55,000,000	55,000,000	-	
Interest Payments	(10,881,236)	(10,881,236)	-	
Principal Payments	(4,084,460)	(4,084,460)	-	

Net Cash Provided by (Used in) Financing Activities

Cash Flows from Capital and Related Activities

Non-Operating Income (Expenses)	(6,792,561)	(5,116,555)	(1,676,006)	
Capital Expenditures, net	(18,735,537)	(27,080,200)	8,344,662	

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

Cash Flows From Investing Activities

Investments Converting To Cash	-	-	-	
Purchased Investments	-	-	-	
Interest Income	5,755,319	1,997,689	3,757,631	

Net Cash Provided By (Used In) Investing Activities

FUND NET CASH FLOWS

Net Cash Provided by (Used in) Operating Activities	38,854,377	43,919,624	(5,065,247)	Unfavorable working capital movements
Net Cash Provided by (Used in) Financing Activities	40,034,304	40,034,304	-	
Net Cash Provided By (Used In) Capital and Related Activities	(25,528,098)	(32,196,755)	6,668,656	Lower capex partially offset by other income
Net Cash Provided By (Used In) Investing Activities	5,755,319	1,997,689	3,757,631	Higher interest income
FUND NET CASH FLOWS	59,115,902	53,754,862	5,361,040	Lower cash from operations aided by lower debt service, lower capex, and higher interest income

LEHIGH COUNTY AUTHORITY
 CASH & INVESTMENT SUMMARY
 For the Period Ended December 31, 2024

	Suburban Water				Suburban Wastewater				City Division				Total			
	12/31/2024 Actual	2024 Forecast	2024 Budget	2023 Actual	12/31/2024 Actual	2024 Forecast	2024 Budget	2023 Actual	12/31/2024 Actual	2024 Forecast	2024 Budget	2023 Actual	12/31/2024 Actual	2024 Forecast	2024 Budget	2023 Actual
Cash																
Operating																
Unrestricted	6,897,576	11,310,049	13,136,985	8,282,407	952,662	18,621,035	3,976,076	3,734,886	18,949,791	12,998,683	17,298,174	13,345,703	26,616,104	42,643,856	34,411,235	25,362,995
Restricted	-	-	-	-	-	2,709	317	2,709	87,196,812	87,223,530	25,438,613	33,121,648	87,196,812	87,226,239	25,438,930	33,124,356
Total Operating	6,897,576	11,310,049	13,136,985	8,282,407	952,662	18,623,743	3,976,393	3,737,594	106,146,603	100,222,213	42,736,787	46,467,351	113,812,916	129,870,095	59,850,165	58,487,352
Capital																
Unrestricted	2,823,185	321,054	319,718	321,054	17,040,431	-	5,955,385	6,862,722	660,980	3,022,601	3,022,601	3,022,601	20,524,596	3,343,655	9,297,704	10,206,378
Restricted	-	-	-	-	829,253	338,677	338,360	338,677	7,526,754	7,500,035	7,500,035	7,500,035	8,356,007	7,838,712	7,838,396	7,838,712
Total Capital	2,823,185	321,054	319,718	321,054	17,869,685	338,677	6,293,745	7,201,399	8,187,733	10,522,636	10,522,636	10,522,636	28,880,603	11,182,368	17,136,099	18,045,090
Other Restricted																
Debt Reserves	1,658,337	1,907,712	1,656,568	1,907,712	-	-	-	-	31,800,765	30,004,516	28,335,482	30,004,516	33,459,102	31,912,228	29,992,050	31,912,228
Escrow - Developer Deposits	260,678	218,888	218,888	218,888	7,764	56,678	252,969	56,678	7,407	32,106	32,090	32,106	275,849	307,671	503,947	307,671
Total Other Restricted	1,919,015	2,126,600	1,875,456	2,126,600	7,764	56,678	252,969	56,678	31,808,171	30,036,622	28,367,571	30,036,622	33,734,951	32,219,899	30,495,996	32,219,899
Total Cash	11,639,776	13,757,703	15,332,159	10,730,061	18,830,111	19,019,098	10,523,107	10,995,671	146,142,508	140,781,471	81,626,995	87,026,609	176,428,470	173,272,362	107,482,261	108,752,341
Investments																
Operating																
Unrestricted	1,724,052	2,022,946	1,945,069	2,022,946	7,278,350	6,965,466	6,584,624	6,965,466	-	-	-	-	9,002,402	8,988,412	8,529,693	8,988,412
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Operating	1,724,052	2,022,946	1,945,069	2,022,946	7,278,350	6,965,466	6,584,624	6,965,466	-	-	-	-	9,002,402	8,988,412	8,529,693	8,988,412
Capital																
Unrestricted	1,122,019	1,000,184	1,000,000	1,000,184	-	-	-	-	-	-	-	-	1,122,019	1,000,184	1,000,000	1,000,184
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capital	1,122,019	1,000,184	1,000,000	1,000,184	-	-	-	-	-	-	-	-	1,122,019	1,000,184	1,000,000	1,000,184
Other Restricted																
Debt Reserves	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Escrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Other Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Investments	2,846,071	3,023,130	2,945,069	3,023,130	7,278,350	6,965,466	6,584,624	6,965,466	-	-	-	-	10,124,421	9,988,596	9,529,693	9,988,596
Total Cash and Investments	14,485,847	16,780,833	18,277,228	13,753,191	26,108,461	25,984,564	17,107,731	17,961,137	146,142,508	140,781,471	81,626,995	87,026,609	186,552,891	183,260,958	117,011,954	118,740,937
Summary																
Cash																
Unrestricted	9,720,761	11,631,103	13,456,703	8,603,461	17,993,094	18,621,035	9,931,461	10,597,608	19,610,771	16,021,284	20,320,775	16,368,304	47,140,701	45,987,511	43,708,939	35,283,463
Restricted	1,919,015	2,126,600	1,875,456	2,126,600	837,017	398,063	591,646	398,063	126,531,737	124,760,188	61,306,220	70,658,305	129,287,769	127,284,851	63,773,322	73,182,968
Total Cash	11,639,776	13,757,703	15,332,159	10,730,061	18,830,111	19,019,098	10,523,107	10,995,671	146,142,508	140,781,471	81,626,995	87,026,609	176,428,470	173,272,362	107,482,261	108,466,431
Investments																
Unrestricted	2,846,071	3,023,130	2,945,069	3,023,130	7,278,350	6,965,466	6,584,624	6,965,466	-	-	-	-	10,124,421	9,988,596	9,529,693	9,988,596
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Investments	2,846,071	3,023,130	2,945,069	3,023,130	7,278,350	6,965,466	6,584,624	6,965,466	-	-	-	-	10,124,421	9,988,596	9,529,693	9,988,596
Total Cash and Investments	14,485,847	16,780,833	18,277,228	13,753,191	26,108,461	25,984,564	17,107,731	17,961,137	146,142,508	140,781,471	81,626,995	87,026,609	186,552,891	183,260,958	117,011,954	118,455,027

CERTIFICATES OF DEPOSIT

DEC 2024

Fund	Bank	Location	Gross Amount	Date of Purchase	Date Due	Net Rate %
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NONE

DEVELOPMENT ACTIVITY

Water system construction is occurring in the following developments:

7649 Penn Drive, Warehouse expansion, water, UMT
 6681 Snowdrift Road, Warehouse expansion, water, UMT
 8323/8449 Congdon Hill Drive, 2 industrial lots with warehouses, LMT
 Advanced Health Care of Allentown, 1 commercial lot, LMT
 Glenlivet Drive West Main extension and subdivision UMT
 Hidden Meadows - Phase 3, 20 townhouse units, UMT
 Fallbrooke Residential Subdivision, 90 sf residential units, 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
 Macungie Crossings Unit 2 6 commercial units, LMT
 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
 Sauerkraut Lane Extension, Roadway & water line extension, LMT
 Spring Creek Estates 2022 Apartments, LMT
 Towneplace Suites by Marriott, 91-room hotel, UMT
 Transedge Truck Center, Warehouse, UMT
 Trexler Point (Towns at Schaefer Run) 128 Townhouses UMT
 Upper Macungie Community Center UMT commercial lot, water and Main Extension
 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:

405 Nestle Way Blue Triton Trailer Entrance, Warehouse, UMT
 110 PA Route 100, Lehigh Valley West 57, Warehouse, UMT
 1321 Rising Sun Road, 110 Single family homes, Sewer NWT
 3121 Rt 309 Nexus 78, NWT, warehouse
 1470 Brookside Road, 9 Single Family Homes, LMT
 2024 Elbow lane single home,LMT
 2619 Grove Street Sewer Main Extension,Washington Township
 2766 Route 100, Warehouse, Watermain extension, 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
 7150 Hamilton Blvd, Bank, UMT
 Valley at Indian Creek 3510 Macungie Road 22 Single family homes-LMT
 5329-5347-5357 Hamilton Blvd., 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
 Cove at Millbrook,16 Single Homes, LMT
 Fields at Emmaus 78 Town Homes, UMT
 Grant Street Townes, 18 Townhouse, WT
 Grant Way Building Expansion,UMT
 Iron Run Estates 58 Single Home, LMT
 Hamilton Square 2 Commercial Lots LMT
 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 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
 Twin Ponds 8739 Hamilton Blvd 22 Apts and 1 Daycare UMT
 PA Turnpike Lehigh Valley Interchange, UMT, Removal of domestic line.
 Western Lehigh Development, LMT Garage and office,
 V Parkland 9230 Long Lane, 16 Single family homes, UMT.

Sewage Facilities Planning Modules Reviewed in Prior Month:

			GPD
Northridge School	1600 Hanover Ave	Allentown	9,734
760 E Paoli St Minor Subdivision	760 E Paoli St	Salisbury	238
900 E Paoli St Minor Subdivision	900 E Paoli St	Salisbury	238
Lobst Lot Line Adjustment 413, 435 & 437 S 5th St	413, 435 & 437 S 5th St	Emmaus	0

Lehigh County Authority
System Operations Review - January 2025
Presented: February 24, 2025

		<u>Jan-25</u>	<u>2025 Totals***</u>	<u>2024 Totals</u>	<u>2023 Totals</u>
Recordable Safety Incidents*	Total LCA	0	0	2	33
Non-Recordable Safety Incidents	Total LCA	0	0	25	
Incident Types **	Injuries	0	0	15	
	Property Damage	0	0	11	
	Near Miss	0	0	1	

***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>
	0	0	0

<u>Current Month Incidents</u>				
<u>Description</u>	<u>Date</u>	<u>Type</u>	<u>Root Cause(s)</u>	<u>Corrective Action(s)</u>

Lehigh County Authority

System Operations Review - January 2025

Presented: February 24, 2025

<u>Critical Activities</u>	<u>System</u>	<u>Description</u>	<u>Jan-25</u>	<u>2025 Totals</u>	<u>2024 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	21.70	21.70	22.39	39.0
		Schantz Spring	6.31	6.31	6.82	9.0
		Crystal Spring	3.83	3.83	3.87	4.0
		Little Lehigh Creek	11.45	11.45	11.47	30.0
		Lehigh River	0.11	0.11	0.23	28.0
	Central Lehigh	Total	20.68	20.68	11.49	19.04 MGD Avg
		Feed from Allentown	7.02	7.02	6.88	7.0 MGD Avg 10.5 MGD Max
		Well Production (CLD)	3.68	3.68	4.60	8.54 MGD Avg
		Sum of all (12) other Suburban Water Systems	0.14	0.14	0.15	1.71 Sum of all wells
Wastewater Treatment	Kline's Island		31.79	31.79	34.04	40.0
	Pretreatment Plant		4.41	4.41	4.98	5.75 (design capacity)
	Sum of all (5) other Suburban WW Systems		0.16	0.16	0.19	0.36
			<u>Jan-25</u>	<u>2025 Totals</u>	<u>2024 Totals</u>	<u>2023 Totals</u>
Precipitation Totals (inches)			0.86	0.86	41.88	46.38
Compliance Reports Submitted to Allentown			27	27	278	280
Notices of Violation (NOVs)	(Allentown + Suburban)		0	0	5	3
Sanitary Sewer Overflows (SSOs)/Bypasses	(Allentown + Suburban)		1	1	17	24
Main Breaks Repaired	Allentown		7	7	27	8
	Suburban		0	0	14	12
Customer Service Phone Inquiries	(Allentown + Suburban)		1641	1641	16,690	11,221
Water Shutoffs for Non-Payment	(Allentown + Suburban)		116	116	2,010	1,995
Injury Accidents	(Allentown + Suburban)		0	0	15	19
Emergency Declarations	Allentown		0	0	2 @ 228,181.55	2
	Suburban		0	0	1 @ 56,662.50	0
<u>Significant Repairs/Upgrades:</u>						
<u>Description of Non-Compliance Events:</u>						
<p>On January 16, 2025, a sanitary sewer overflow (SSO) occurred at manhole 10_2i near Greenleaf Street. Approximately 50 gallons overflowed due to a grease blockage in the sewer line.</p>						
<u>Other:</u>						

Lehigh County Authority
System Operations Review - January 2025
Presented: February 24, 2025

<u>Critical Activities</u>	<u>System</u>	<u>Description</u>	<u>Jan-25</u>	<u>2025 Totals</u>	<u>2024 Totals</u>
Wastewater Compliance	Allentown	Bypass	0	0	3
		Bypass Volume	0	0	1,713,644
		Permit Exceedances	0	0	0
		Sanitary Sewer Overflows	0	0	5
		COA Issued NOVs	0	0	0
		Regulatory Agency issued NOVs	0	0	0
	Arcadia	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	0	0	1
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	1
	Heidelberg Heights	Bypass	0	0	4
		Bypass Volume	0	0	2,125,696
		Permit Exceedances	1	1	9
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Lynn	Bypass	0	0	2
		Bypass Volume	0	0	1,010,000
		Permit Exceedances	0	0	2
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Sand Spring	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	0	0	44
Sanitary Sewer Overflows		0	0	0	
NOVs		0	0	1	
Wynnewood	Bypass	0	0	0	
	Bypass Volume	0	0	0	
	Permit Exceedances	0	0	9	
	Sanitary Sewer Overflows	0	0	3	
	NOVs	0	0	1	
Water Compliance	Allentown	Boil Water Advisories	0	0	0
	Central Lehigh	Boil Water Advisories	0	0	0
	Suburban Water Systems	Boil Water Advisories	0	0	1