



LCA Main Office:
1053 Spruce Road
Wescosville, PA 18106
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Agendas & Minutes Posted:
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LEHIGH COUNTY AUTHORITY

Published: April 6, 2026

BOARD MEETING AGENDA – April 13, 2026 – 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

- *March 9, 2026 Board Meeting minutes*

4. Committee Reports

5. Public Comments

6. Action / Discussion Items:

FINANCE AND ADMINISTRATION

- *LCA Rebranding Strategy (Discussion)*

WATER

- *Water Main Replacement Program Cycles 9 & 10 (Approval) (blue) (digital Board packet pages 6-13)*

WASTEWATER

- *Industrial Pretreatment Plant Master Plan (Discussion / Approval)*

7. Monthly Project Updates / Information Items (1st Board meeting per month) (digital Board packet pages 14-23) – **April 2026 report attached**

8. Monthly Financial Report (2nd Board meeting per month)

9. Monthly Safety Report (2nd Board meeting per month)

10. Monthly System Operations Report (2nd Board meeting per month)
11. Staff Comments
12. Solicitor's Comments
13. Public Comments / Other Comments
14. Board Member Comments
15. Executive Sessions
16. Adjournment

UPCOMING BOARD MEETINGS		
April 27, 2026	May 11, 2026	May 18, 2026

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

March 9, 2026

The Regular Meeting of the Lehigh County Authority Board of Directors was called to order at 12:00 p.m. on Monday, March 9, 2026, Chairman Amir Famili presiding. The meeting was hybrid via in-person attendance 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. Amir Famili, Jeff Morgan, Linda Rosenfeld, Peter Dent, and Minal Amin were present for roll call and remained for the duration of the meeting. Ted Lyons joined the meeting at 12:02 p.m. and was present for the duration of the meeting. Kevin Baker joined the meeting at 12:10 p.m. and was present for the duration of the meeting. Sean Ziller joined the meeting at 12:28 p.m. and was present for the duration of the meeting.

Attorney Kevin Reid of the KingSpry law firm, the Authority’s Solicitor, was present along with Authority Staff, Liesel Gross, Ed Klein, Andrew Moore, Chris Moughan, AJ Capuzzi, Chuck Volk, Phil DePoe, Taylor Stakes, and Lisa Miller.

Chairman Famili 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 that there are no changes to the agenda; however, there will be an Executive Session at the conclusion of the regular meeting to discuss a personnel matter.

APPROVAL OF MINUTES

February 23, 2026 Meeting Minutes

On a motion by Linda Rosenfeld, seconded by Jeff Morgan, the Board approved the minutes from the February 23, 2026 meeting as presented (5-0).

PUBLIC COMMENTS

None.

Digital / IT Master Plan

Stephen Boone provided an overview of the project in which the Authority seeks to develop a comprehensive Digital / Information Technology (IT) Master Plan to modernize its technology environment and align with strategic goals. This initiative will enable the Authority to enhance operational efficiency, improve customer experience, strengthen infrastructure resilience, ensure cybersecurity compliance, and will position the Authority as a resilient, data-driven utility prepared for future challenges and regulatory requirements. He provided a brief review of the primary options that will be explored within the Master Plan effort: Enhance Operational Efficiency, Strengthen Infrastructure Resilience, Improve Customer Experience, Advance Data-Driven Decision Making, Ensure Cybersecurity and Compliance, and Foster a Digitally Skilled Workforce.

Jeff Morgan asked for a review of the Authority’s current major IT systems. Stephen Boone provided an overview of the major systems currently in use including Munis for financials, City Works for maintenance management, Procore for project management, and others. He stated the goal is to

have data from all systems accessible in one place so it becomes easier to use the data from multiple systems for decision-making, operational improvements and more. Chris Moughan commented that the Master Plan will help the staff prioritize future technology projects and ensure proper considerations are made when selecting new software systems.

Chairman Famili stated his concerns about the money being spent on this project, which will likely lead to other projects that will be expensive to implement. He asked if the Authority has recently completed its Munis and Procore implementation projects, why is a Master Plan needed to guide the Authority through the process of integrating these systems. AJ Capuzzi commented that the project will not focus on the Munis and Procore implementation. He cited the need for a document management system as an example of a need to be addressed by the Master Plan, which will lead to increased efficiency. Chairman Famili stated that if the project is claiming efficiency as a primary goal, the efficiency gains must be tangible, noting each budget cycle the Authority is adding more staff. He also commented that it is important for the Authority to gather customer service metrics to support key stakeholders, and asked if this is included in the project. Chris Moughan stated that improving customer responsiveness and gathering metrics around customer service delivery is one of the key options to be covered in the Master Plan.

Jeff Morgan asked if the staff is concerned about artificial intelligence (AI) and how the Master Plan will address it. Ben Cownie from Black & Veatch was present and provided comments noting that Master Plan will provide detail of the system integrations that will support the effective use of AI.

Kevin Baker commented that he would like to see checkpoints along the way to make sure the project stays on track, as technology programs can expand rapidly without careful project management. Stephen Boone reviewed the checkpoints included in the project proposal, noting that the conclusion of the Current State Assessment and Gap Analysis would be a good time to reconvene and share results with the Board.

On a motion by Jeff Morgan, seconded by Linda Rosenfeld, the Board approved the Capital Project Authorization: Digital / IT Master Plan in the amount of \$425,084.00 which includes the Professional Services Authorization to Black & Veatch in the amount of \$395,084.00 (6-0). Sean Ziller abstained.

Suburban Division – Industrial Pretreatment Plant Master Plan

Liesel Gross said the discussions continue with both the County of Lehigh and Upper Macungie Township regarding upfront contributions toward the project to upgrade the Authority's Industrial Pretreatment Plan. She is also pursuing federal funding through the offices of Representative Mackenzie, Senator Fetterman and Senator McCormick, and has received letters of support from the County and Township for these grant applications. Due to the time sensitive nature of the decision-making about this project, she will provide the Board with updates at each future Board meeting.

MONTHLY PROJECT UPDATES / INFORMATION ITEMS

Liesel Gross reviewed the March report and noted that the only items on the March 23rd meeting agenda are the monthly Financial Statements and System Operations report. Depending on the status of the Pretreatment Plant update, that meeting may be canceled. She highlighted two projects in the report that are in project closeout phase.

STAFF COMMENTS

None.

SOLICITOR'S COMMENTS

None.

PUBLIC COMMENTS / OTHER COMMENTS

None.

BOARD MEMBER COMMENTS

Ted Lyons asked if the Authority is applying for federal grants for the Pretreatment Plant. Liesel Gross said she is pursuing federal funding through the offices of Representative Mackenzie, Senator Fetterman and Senator McCormick, and that funding would come through the Clean Water Revolving Fund.

EXECUTIVE SESSION

An Executive Session will be held following the close of the regular meeting to discuss a personnel matter.

ADJOURNMENT

There being no further business, the Chairman adjourned the meeting at 12:36 p.m.

Linda A. Rosenfeld
Secretary



Lehigh County Authority

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MEMORANDUM

Date: April 13, 2026

To: LCA Authority Board

From: Jason Peters, Capital Works Linear Asset Project Manager

Subject: Allentown Division - Cycles 9 & 10 Water Main Replacement Project -
Construction Phase

MOTIONS /APPROVALS REQUESTED:

No.	Item	Amount
1	<u>Capital Project Authorization - Construction Phase:</u> Allentown Division Cycle 9 & 10 Water Main Replacement	\$4,930,564
2 **	<u>Professional Services Authorization:</u> <ul style="list-style-type: none"> • Construction Engineering and Administration Services - <i>Gannett Fleming Inc.</i> 	\$164,520
3 **	<u>General Construction Contract:</u> <ul style="list-style-type: none"> • General Construction – <i>Joao & Bradley Construction Co., Inc.</i> 	\$4,036,008
4 **	<u>Final Paving Restoration Contract:</u> <ul style="list-style-type: none"> • Cost Sharing Agreement – <i>City of Allentown</i> 	\$455,036

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

PROJECT OVERVIEW:

The amended Operating Standards of the Lease Agreement (Agreement) in the 2020 settlement with the City of Allentown (City) requires LCA to replace four (4) miles of aged spun and/or pit cast-iron water main for the 4-year term of 2025 through the end of 2028. The water main replacement projects are closely coordinated with the City’s Compliance Office, Streets Program, PennDOT, and private utilities (such as UGI). Given the complex nature of a project that includes construction in a highly populated urban area with many underground facilities and maintenance of traffic flow, the many challenges presented require a significant amount of coordination and public relations efforts.

Approximately 0.60 mile of water main has accrued since early 2025 through emergency repairs conducted by field services and water main replacement distance carryover from the previous 4-year term. The scope of this project (“cycles 9&10”) consists of approximately two miles of water main replacement and will count towards satisfying the Lease Agreement requirement by the end of 2028

FUNDING:

The Project will be funded by the LCA Allentown Division, as Annual Water Main Replacement is identified as required work in the Agreement and is classified as a Major Capital Improvement.

PROJECT STATUS:

In February 2024 the Board approved the engineering consultant proposal for Design Phase (including pipe replacement prioritization) for Cycles 9 & 10 of the Allentown Division Annual Water Main Replacement Program. Working closely with the City to obtain Major Capital Improvement approvals (as required by the Agreement) and outside agencies, Capital Works has obtained all approvals and permits required for the Cycles 9 & 10 Construction Phase.

Prioritization of water mains to be replaced as part of this Cycle was completed in early 2024, and the substantially complete plans were submitted to the City in late 2025 in accordance with Agreement requirements.

THIS APPROVAL: CONSTRUCTION PHASE CYCLES 9&10

The Allentown Division Cycles 9 & 10 Water Main Replacement Project includes a pipe replacement length of 2.04 miles to accrue towards satisfying the Lease Agreement requirement of 4 miles of main replacement by the end of 2028. All water main pipe sections are located within PennDOT and City-owned streets.

BIDDING SUMMARY - CONSTRUCTION CONTRACTS

The project was advertised for bid on February 17, 2026 and a mandatory pre-bid meeting was held virtually on March 11, 2026, with nine contractors in attendance. Bids were opened on March 19, 2026. The bidding results are as shown in Table 1 below.

Table 1	
General Construction	
Bidder	Amount
<i>Joao & Bradley Construction Co., Inc.</i>	<i>\$4,036,008.00</i>
DOLI Construction Corporation	\$5,137,159.00
Pact One LLC	\$5,727,430.00
Ankiewicz Enterprises Inc	\$5,748,434.00
Anrich Inc.	\$5,953,881.65
Pioneer Construction Co., Inc.	\$6,563,629.91
Linde Corporation	\$7,426,641.00

Reference checks for, JOAO Bradley Construction Co., Inc have identified no issues. In fact, JOAO Bradley Construction Co., Inc. (Bradley) successfully performed several main water replacement Projects for LCA over the last decade in both our Allentown and Suburban divisions, and the company is regularly contracted by LCA for emergency repairs/replacements in both the City and Suburban Divisions. Prior to the Lease, Bradley performed many water main replacements for the City. Therefore, we recommend awarding the General Construction contract to JOAO Bradley Construction Co., Inc., subject to receipt of the necessary Performance Bonds, Insurance and other required documentation.

FINAL RESTORATION COST SHARING AGREEMENT:

In 2021, Capital Works reviewed paving restoration cost data from prior City water main replacement projects and determined that a cooperative arrangement with the City Streets Department would yield significant cost savings, better control over construction schedule, and improved quality control. Capital Works and the City Compliance Office worked together to develop a Cost Sharing Agreement for final restoration of streets. The Cost Sharing Agreement contains clearly outlined procedures and responsibilities for each party, that includes provisions for scheduling, payment, material handling, inspection, and notification of completion. This was first applied during Cycles 5 & 6 Water Main Replacement Projects and has continued since.

The Cost Sharing Agreement for the Cycles 9 & 10 street restoration work includes pavement milling, pavement overlay, and ADA ramp construction within City rights-of-way. Per the terms of the Cost Sharing Agreement, LCA's payment to the City is for compensation of labor and paving materials costs for work performed by the City paving department.

PROFESSIONAL SERVICES CYCLE 9 & 10:

1. Construction Engineering & Management

Gannett Fleming Inc., the design engineer of record, will provide construction engineering, management, and inspection services for the construction phase of the project. The work will generally include:

- Conduct preconstruction conference.
- Review contractor's construction schedule and updates for compliance with project.
- Arrange and conduct monthly progress meetings and provide meeting minutes.
- Review all contractor submittals to ensure that design objectives and requirements of the Contract Documents are met.
- Prepare Change Orders.
- Respond to contractor Requests-for-Information (RFIs)
- Review certified payrolls.
- Conduct walkover of the project site with contractors and LCA representatives.
- Provide LCA with recommendation on completeness of work, final acceptance and release of final payment.
- Act as the daily field contact person for the project.
- Attend pre-construction & monthly progress meetings.
- On-site contract management and coordination

- Maintain daily record of project activities, quantities of work performed, site conditions, etc.
- Review documentation for change order requests.
- Review monthly pay estimates.
- Perform substantial and final completion inspections.

A Professional Services Authorization is attached for LCA Board approval.

SCHEDULE

Assuming approval of the Construction Phase at the April 13, 2026 LCA Board meeting, construction will commence in late Spring and all water main replacement for Cycles 9 & 10 will be operational by October 2, 2026 (the substantial completion date) barring no unforeseen condition.



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REQUEST FOR BOARD AUTHORIZATION

Board of Directors Meeting Date: 4/13/26
 Staff Member Requesting Authorization: Jason Peters / Charles Volk
 Department: Capital Works
 Short Description / Title of Project / Purchase: Allentown Division – Cycles 9 & 10 Water Main Replacement Project
 Project Number (if applicable): Munis 50630

Capital Expense: (check all that apply)

- Capital Project >\$250,000
 - Construction / Other Contract(s)
 - Professional Services Authorization
 - Initial Authorization
 - Amended Authorization
- Professional Services Authorization >\$100,000
- Equipment Purchase >\$250,000
- Upsizing / Extension >\$250,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

Operations Expense:

- Construction / Other Contract >\$250,000
- Professional Services Authorization >\$100,000
- Equipment / Other Individual Item >\$250,000
- Emergency Authorization >\$50,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

LCA Enterprise Fund: Allentown Division Suburban Water Suburban Wastewater Internal Service / Admin

Current Project Phase: N/A (skip to Description) Planning Conceptual Design Design / Bid Construction

Prior Authorization(s):

Date	Phase	Description	Amount Authorized
2/26/24	Design	Design, Permit and Bid Phase cycles 9-11	\$387,500
			\$
			\$
Total Prior Authorizations:			\$387,500

Current Authorization Requested:

Construction Phase Cycles 9 & 10	Amount Requested
Staff	\$75,000
Construction Engineering/Management/Inspection -Gannett Fleming TranSystems	\$164,520
General Construction– Joao & Bradley Construction Co., Inc.	\$4,036,008
Cost Sharing Agreement – City of Allentown	\$455,036
Contingency	\$200,000
	\$
	\$
Total Amount Requested (this authorization):	\$4,930,564

Future Authorizations:

Phase	Note / Description	Estimated Cost
		\$
		\$
Estimated Total Project Cost:		\$5,318,064

Short Description: (please attach supporting documentation, cost justification, trade-in values, proposals, memos, etc.)

The Allentown Division Cycles 9 & 10 Water Main Replacement Project Construction Phase includes a pipe replacement length of 2.04 miles with associated public side water service lateral replacements, accruing towards the Lease Agreement requirement of 4 miles of main replacement by the end of 2028. All water main pipe sections are located within PennDOT and City-owned streets. LCA's contractor will be required to install all pavement restorations in PennDOT right of way, and within City streets LCA has requested for approval to enter into a cost sharing paving agreement with the COA, just has been conducted in previous cycles.

Purchasing Procedure: Formal Bid Request for Proposal Cooperative Purchasing Group / CoStars N/A - Emergency

Motion: _____ **Second:** _____ **Approved?** _____ **Certified by:** _____



March 27, 2026

Mr. Jason Peters
Lehigh County Authority

RE: Engineering Services Proposal
COA Cycle 9/10 Construction

Dear Jason,

As requested, we are providing this Proposal for construction phase services for the above referenced project. The current Professional Services Authorization dated October 23, 2013 (October 2013 Authorization) between the Lehigh County Authority (LCA) and Gannett Fleming authorized Gannett Fleming to provide pipeline prioritization, design, and bidding services for Cycles 1 through 3 and was subsequently extended to include Cycles 4 through 11 of the Allentown Division Water Main Replacement Program. We propose that these Terms and Conditions remain in effect for these construction services.

SCOPE OF SERVICES

Scope of Services are in accordance with construction phase services for other recent LCA main replacement work.

Construction Engineering and Management

1. Review contractor submitted bonds and insurances.
2. Coordinate the award process including preparation of notice of intent to award; notice of award; and notice to proceed.
3. Schedule and conduct a virtual Pre-Construction Meeting using MS Teams. Prepare and distribute meeting minutes.
4. Attend and lead up to six (6) job meetings and prepare and distribute meeting minutes. Meetings assumed as follows:
 - a. Four (4) monthly job meetings (virtual)
 - b. Substantial Completion project walk-through
 - c. Final Completion project walk-through
5. Review and provide comment regarding construction schedule submitted by contractor.
6. Provide comments regarding schedule during construction.
7. Maintain electronic logs for submittals, Requests-For-Information (RFIs), and change orders.
8. Maintain project records including emails and correspondence.
9. Review contractor submittals to check that design objectives and requirements of the Contract Documents are met.
10. Respond to requests for information (RFIs).
11. Prepare, distribute and execute pay estimates based upon unit price item quantities measured and agreed upon by LCA.
12. Prepare, distribute and execute change orders as agreed upon by LCA.
13. Process final acceptance and release of final payment, as authorized by LCA.

14. Process CAD files of construction record drawings based on information, including red lines, field notes, and GPS data, submitted by Contractor, Resident Project Representative (RPR), and LCA field notes.

Construction RPR

1. Attend Pre-Construction Job Conference.
2. Inspect materials delivered to the project site and determine compliance with the contract documents.
3. Act as the Owner's and Engineer's representative on the project site.
4. Attend coordination meetings conducted amongst contractors and local utilities.
5. Review and evaluate contractor construction progress schedules.
6. Track the progress of work conducted on the project (i.e. piping, service connections, and restoration); prepare Daily Letters / Reports documenting work conducted.
7. Verify quantity of work complete each period as presented by the contractor.
8. Track unit price quantities for preparation of pay estimates.
9. Act as liaison to community answering questions related to project and service connections.
10. Receive, investigate, and respond to damage complaints from property owners and utility companies.
11. Prepare quantity take-offs for proposed change orders.
12. Speak with contractors, subcontractors, and material suppliers when contacted regarding coordination issues related to the project.
13. Maintain project files and record documents.
14. Collect GPS survey data and field notes for use in compiling "as-built" record drawings.
15. Collect and maintain photographs of project progress, field conditions, and damages to property.
16. Prepare punch lists and project close-out documents.

Summary of Assumptions:

- RPR effort is estimated at 800 hours assuming a construction duration of twenty (20) weeks at an estimated 40 hours per week between May and November 2016. Additional RPR or construction management effort associated with extended construction duration are not included in this Proposal. As necessary, and as requested and approved by LCA, Gannett Fleming will provide such services on a time and materials basis in accordance with the hourly rates noted.
- One (1) full-time, on-site lead Resident Project Representative (RPR) will be provided. An assistant RPR may be provided if need is mutually agreed upon by LCA if work in a given day or period cannot be covered by a single individual. Additional field personnel will not be provided without receiving prior approval from LCA.
- Lead RPR will be billed at a rate of \$120 per hour, inclusive of incidentals.
- Due to the nature of the work, an on-site field office will not be provided. LCA agrees to periodically provide office space for use by the RPR at their main office or City Water Treatment Plant location.



Proposed Cost Summary

Construction services will be performed on a time and materials basis, with a not to exceed cost. Thus, GFT will invoice LCA for only those services completed in accordance with the noted hourly rates. A summary of proposed not to exceed costs is as follows:

- Construction Engineering: \$36,520
 - Senior Project Manager: 36 hours at \$220 per hour
 - Engineer VI: 40 hours at \$195 per hour
 - Scientist II: 160 hours at \$130 per hour
- Construction Management: \$32,000
 - Construction Manager: 200 hours at \$160 per hour
- Construction Observation: \$96,000
 - Resident Project Representative: 800 hours at \$120

Please contact me if you have any questions regarding this Proposal. We are thankful for the opportunity to continue our services to LCA and look forward to successfully completing the referenced projects.

Sincerely,

Michael T. Brown, P.E.*

Vice President

* Licensed in PA and NY

E: mtbrown@gftinc.com

C: 717.649.3662

gftinc.com

Lehigh County Authority – Monthly Report to Board of Directors

Upcoming Board Agenda Items & Project Updates – April 2026

Published: April 6, 2026

PART 1 – Upcoming Agenda Items – Action & Discussion Items

FINANCE & ADMINISTRATION

Project Title: LCA Rebranding Strategy

Division / Funding: All Divisions

Status or Action Desired: Discussion

Board Action Date: 4/13/2026

Project Phase: Planning Phase

Project Notes: In 2025, a strategic communications assessment and planning effort was completed to review the effectiveness of LCA's communications program and identify opportunities to develop a deeper level of customer, community, and stakeholder engagement. One key finding of the assessment related to a relatively low level of public awareness of LCA as an organization, the services we provide, or the value we add in terms of protecting public health and the environment and supporting a vibrant local economy. Recommended in the communications plan was a strategy to "rebrand" LCA to support efforts to increase public engagement and awareness of the organization and its services. In 2026, LCA staff are kicking off the rebranding project, which will require internal and external stakeholder feedback and participation. During the April 13, 2026 Board meeting, an overview of this effort will be provided, along with an opportunity to gather initial Board feedback. Staff Responsibility: Taylor Stakes

Project Title: Resolution No. 4-2026-1 Destruction of Authority Documents

Division / Funding: n/a

Status or Action Desired: Approval

Board Action Date: 4/27/2026

Project Phase: n/a

Project Notes: Board approval is required to allow for destruction of official Authority documents, in accordance with LCA's document retention program and the Pennsylvania Municipal Records Act. Staff Responsibility: Liesel Gross

Project Title: Monthly Financial Review

Division / Funding: n/a

Status or Action Desired: Information

Board Action Date: 4/27/2026

Project Phase: n/a

Project Notes: The March 2026 monthly financial report will be presented. Staff Responsibility: Ed Klein

SYSTEM OPERATIONS

Project Title: Monthly Safety Report

Division / Funding: n/a

Status or Action Desired: Information

Board Action Date: 4/27/2026

Project Phase: n/a

Project Notes: The March 2026 monthly safety report will be presented. Staff Responsibility: Ed Klein

Project Title: Monthly Operations Report

Division / Funding: n/a

Board Action Date: 4/27/2026

Status or Action Desired: Information

Project Phase: n/a

Project Notes: The March 2026 monthly operations report will be presented. Staff Responsibility: Andrew Moore & Chris Moughan

WATER PROJECTS – ALLENTOWN DIVISION

Project Title: Water Main Replacement Program Cycles 9 & 10

Division / Funding: Allentown Division

Board Action Date: 4/13/2026

Status or Action Desired: Approval

Project Phase: Construction Phase

Project Notes: LCA is anticipating to replace a total of two miles of water main in 2026. This project will be funded by the LCA Allentown Division and has been approved by the City as a Major Capital Improvement. At the 4/13/2026 Board meeting, LCA will be requesting Construction Phase Authorization for this project for bids that were opened on 3/19/2026. Staff Responsibility: Jason Peters

Project Title: Water Filtration Plant: PFAS Treatment

Division / Funding: Allentown Division

Board Action Date: 4/27/2026

Status or Action Desired: Approval

Project Phase: Design Phase

Project Notes: The U.S. Environmental Protection Agency recently published new national drinking water standards for six per- and polyfluoroalkyl substances (PFAS). A study was performed by Hazen & Sawyer which recommended treatment of Crystal Spring due to its exceedance of the newly imposed maximum contaminant level (MCL) for PFAS. Design phase approval was granted at the 12/9/2024 LCA Board meeting. Design phase is anticipated to be completed in early 2026. An amendment request for out of scope design services is anticipated to be presented to the Board for authorization at the 4/27/2026 meeting. Staff Responsibility: Amy Rohrbach

Project Title: Lead Service Line Replacement Cycle 3

Division / Funding: Allentown Division

Board Action Date: 4/27/2026

Status or Action Desired: Approval

Project Phase: Design Phase

Project Notes: This project focuses on Cycle 3 of the lead service line (LSL) replacement program in the City of Allentown. The scope of the project consists of the replacement of approximately 1,000 lead service lines within a prioritized project area. LCA will be seeking grants and low interest loans from PennVest for each cycle of this program. LCA authorized CDM Smith for conceptual design services in October 2025 and authorized GFT for Pennvest application services in December 2025. LCA's application to Pennvest for \$15,440,000 was accepted in February 2026. At the April 27, 2026 Board meeting approval will be requested to authorize CDM Smith for final design, bidding, and inventory investigation services. Staff Responsibility: Anton Siekmann

Project Title: Schantz Spring WFP Interconnection

Division / Funding: Allentown Division

Status or Action Desired: Approval

Board Action Date: 4/27/2026

Project Phase: Design Phase

Project Notes: This project's goal is to optimize the use of the Schantz Spring for increased protection of public health. Schantz Spring is currently classified as a groundwater source and therefore not required to undergo coagulation treatment and filtration. However, water quality is impacted at times by increased turbidity and other factors that suggest filtration would provide an overall improvement to water quality, public health protection, and sustainability of this important water source. In March 2026, LCA began work on conceptual design of the potential interconnection at the Water Filtration Plant (WFP) that would be utilized to bring Schantz Spring water into the filtration system at the plant. The next planning phase task includes bench-scale testing of the treatment of Schantz Spring water to maintain consistency with PADEP guidance for pilot plant filtration studies. Board approval will be requested at the April 27, 2026 meeting to authorize this study. Staff Responsibility: Anton Siekmann

WASTEWATER PROJECTS – KISS ACT 537

Project Title: Sanitary Sewer Collection System: City of Allentown Manhole Rehabilitation

Division / Funding: Allentown Division

Status or Action Desired: Approval

Board Action Date: 4/27/2026

Project Phase: Construction Phase

Project Notes: As part of the Act 537 planning process, a rainfall derived inflow and infiltration (RDII) analysis was performed in the first quarter of 2022 for the City of Allentown system. This analysis shows the overall system suffers from inflow problems. Some of the existing manholes in the City system have inflow dishes and some have been previously inspected. However, due to the critical nature of Act 537 planning, all the public side manholes need to be inspected. The inspections and subsequent rehabilitation work will be phased over the next 10 years (refer to the MH Inspection project detail for more information). The design for the 2024 manhole rehabilitations will be treated as a "pilot" to identify the best means and methods to fix inspected issues. The bids for this first MH Rehab project were opened on 8/28/24. Construction phase authorization for the Cycle 1 project was granted at the 9/23/24 Board meeting. The project was completed by the end of summer 2025. At the November 10, 2025 Board Meeting, design authorization was granted for "MH Rehab Year 2" and is focused on manhole rehab within the Trout Creek sewershed. Approximately 450 manholes are slated for rehab, pending further changes as the design progresses. Construction is expected to last the majority of 2026. At the 4/27/2026 Board meeting, LCA will be requesting Construction Phase Authorization for the publicly bid portion of this project that includes approximately 78 manhole rehabilitations that require excavation and installation of a new or reset of an existing frame and cover . Staff Responsibility: Jason Peters

Project Title: Kline's Island Sewer System - Act 537 Plan

Division / Funding: City of Allentown (AO)

Status or Action Desired: Information

Board Action Date: 4/27/2026

Project Phase: Planning Phase

Project Notes: Following a hydraulic overload at the Kline’s Island Wastewater Treatment Plant in 2018 and 2019, a Chapter 94 violation was triggered, requiring corrective action to address the overload condition and resolve other operational challenges associated with excessive inflow and infiltration into the system. All 15 municipalities flowing into the Kline’s Island Sewer System (KISS) approved an Interim Act 537 Plan (“Interim Plan”) in September 2020. This Interim Plan outlined steps to be taken from 2021 to 2025 to prepare a long-term Regional Act 537 Plan. The Interim Plan also provided regulatory oversight and control of new connections to the system during the five-year planning period as part of the corrective action plan. Since 2021, the LCA Board has authorized numerous studies, engineering evaluations, and financial analyses to develop the Regional Act 537 Plan. Planning costs have been paid by the City of Allentown using the Administrative Order fund and reimbursed through ongoing billing to signatories and City customers. In April 2025, the Regional Act 537 Plan was finalized, and the formal public review process started, including planning commission review and a formal public comment period. The 15 KISS municipalities all have reviewed and adopted the final plan by Resolution. At the September 8, 2025 meeting, a Resolution was adopted by the Board for the Regional Act 537 Plan. The Act 537 Plan was submitted to PA DEP on October 7, 2025. A 60-day extension letter was received on February 4, 2026 and DEP comments are due on or before April 6, 2026. At the 4/27/2026 meeting, LCA staff will present an overview of DEP’s response to the Plan. Staff Responsibility: Phil DePoe

WASTEWATER PROJECTS – SUBURBAN DIVISION

Project Title: Industrial Pretreatment Plant Master Plan

Division / Funding: Suburban Division

Status or Action Desired: Approval

Board Action Date: Ongoing

Project Phase: Planning Phase

Project Notes: This project involves the preparation of a Master Plan for the LCA Industrial Pretreatment Plant. An initial Master Plan was authorized by the Board on December 13, 2021, with the plan developed in 2022 and delivered in April 2023. The Plan included full-scale condition assessments, review of treatment process optimization, and development of short-term and long-term capital plans. Due to the high cost of facility rehab and expansion, additional value engineering work was completed in March 2024. An external stakeholder engagement process was then initiated to develop additional recommendations for LCA consideration. A review of the stakeholder process and final recommendation for inclusion in the Act 537 Plan was presented at the August 12, 2024 Board meeting. Since that time, significant additional stakeholder engagement has occurred to identify funding sources for a full upgrade to the facility. An update to the PTP evaluation was provided to the LCA Board in August 2025, with a review of the engineering evaluation was provided in September 2025. Beginning in December 2025, staff have presented monthly updates to the LCA Board on discussions with industrial and municipal partners regarding financing of the updated project, and Board approval to enter into negotiations for partner cost-sharing agreements will be requested at a future meeting date, depending on the status or municipal decision-making. Staff Responsibility: Liesel Gross

WASTEWATER PROJECTS – ALLENTOWN DIVISION

Project Title: Kline's Island WWTP - Nitrification Study

Division / Funding: Allentown Division

Board Action Date: 4/27/2026

Status or Action Desired: Approval

Project Phase: Planning Phase

Project Notes: Increases in organic loading including potential "load shifts" from the PTP along with potential changes in effluent permit limits are important near-term planning considerations for KIWWTP. The combination of organic loadings, effluent quality requirements, and other operational considerations impacts the performance of the plastic media trickling filters (PMTF) and rock media trickling filters (RMTF). The PMTF-RMTF treatment system is very effective; however, there are potential limitations to its capacity for organic load treatment. Previous modeling of the PMTF-RMTF system has been performed to estimate cursory performance capacities. But with increased loadings anticipated in the near future, the model will need to be calibrated to a simulated higher loading on the PMTF-RMTF system. This will be achieved by physically stress-testing the PMTF-RMTF system (a detailed stress testing plan will be developed by LCA and the engineering consultant as part of this project), monitoring the nitrification performance under the stress conditions, and calibrating the model to these conditions so that reliable predictive estimates of performance capacities of the PMTF-RMTF system may be made. Staff Responsibility: Stephen Boone

PART 2 – Project Updates - Information Items

None

PART 3 – Open Project List – No Updates

Project Category	Project Title	Division / Funding	Project Phase	Staff Responsibility
Finance & Administration	Digital / IT Master Plan	All Divisions	Planning Phase	Stephen Boone
Finance & Administration	LCA Strategic Plan - Progress Reporting	All Divisions	n/a	Liesel Gross
Finance & Administration	LCA Building Optimization Study & Master Plan	All Divisions	Planning Phase	Stephen Boone
System Operations	Suburban Water & Wastewater Facilities - SCADA System Upgrade	Suburban Division	Project Closeout	Chris Moughan
System Operations	Watershed Monitoring Program	Suburban Division	Planning Phase	Andrew Moore
Water - Suburban	Applewood Pump Station and CLD Well Station Upgrades	Suburban Division	Design Phase	Amy Kunkel
Water - Suburban	Upper System Pump Station and Main Extension	Suburban Division	Design Phase	Amy Kunkel
Water - Suburban	Emergency Interconnection Agreement (Bortz Property)	Suburban Division	Planning Phase	Phil DePoe & Amy Kunkel
Water - Suburban	2025 Water Meter Replacements	Suburban Division	Construction Phase	Amy Kunkel
Water - Suburban	North Whitehall Division - Second Water System Interconnection	Suburban Division	Design Phase	Amy Kunkel
Water - Suburban	Suburban Division Lead Service Line Inventory Program & Compliance Planning	Suburban Division	Planning Phase	Albert Capuzzi
Water - Suburban	Central Lehigh and North Whitehall Systems – Water Supply Study	Suburban Division	Planning Phase	Phil DePoe
Water - Suburban	Water Main Replacement Program Cycle 8	Suburban Division	Design Phase	Jason Peters
Water - Suburban	Buss Acres Water System Interconnection & PFAS Remediation	Suburban Division	Design Phase	Amy Kunkel
Water - Allentown	Lead Service Line Replacement Project Cycle 1	Allentown Division	Construction Phase	Reni Keane-Dengel

Project Category	Project Title	Division / Funding	Project Phase	Staff Responsibility
Water - Allentown	Water Filtration Plant: Fluoride System Upgrades	Allentown Division	Construction Phase	Amy Rohrbach
Water - Allentown	Lead Service Line Replacement Project Cycle 2	Allentown Division	Construction Phase	Anton Siekmann
Water - Allentown	Water Filtration Plant: Redundant Raw Water Line	Allentown Division	Design Phase	Amy Rohrbach
Water - Allentown	30" & 36" East Side Transmission Main Repair Project	Allentown Division	Construction Phase	Jason Peters
Water - Allentown	Lehigh River Pump Station Upgrades	Allentown Division	Design Phase	Amy Rohrbach
Water - Allentown	Allentown Division Lead Service Line Inventory Program & Compliance Planning	Allentown Division	Planning Phase	Reni Keane-Dengel
Water - Allentown	Badger Meter Replacements	Allentown Division	Construction Phase	Amy Kunkel
Water - Allentown	Water Filtration Plant: Emergency Power Design	Allentown Division	Design Phase	Amy Rohrbach
Water - Allentown	Water Main Replacement Program Cycles 9 - 11	Allentown Division	Design Phase	Jason Peters
Water - Allentown	Water Filtration Plant: Filter Upgrade Project	Allentown Division	Construction Phase	Amy Rohrbach
Water - Allentown	Water Filtration Plan: HVAC Upgrades Phase 2	Allentown Division	Construction Phase	Anton Siekmann
Sewer - Act 537	Sanitary Sewer Collection System: City of Allentown Manhole Inspections	Allentown Division	Planning Phase	Phil DePoe
Sewer - Act 537	KISS System Modeling - Sewage Billing Meter QA/QC Data Analytics and Flow Metering Program	City of Allentown (AO)	Planning Phase	Phil DePoe
Sewer - Act 537	Legal Services: Development of New Intermunicipal Agreement(s)	City of Allentown (AO)	Planning Phase	Liesel Gross
Sewer - Act 537	Upper Western Lehigh Pump Station & Force Main	Suburban Division	Construction Phase	Amy Kunkel
Sewer - Act 537	Western Lehigh Interceptor Parallel Survey	Suburban Division	Planning Phase	Phil DePoe

Project Category	Project Title	Division / Funding	Project Phase	Staff Responsibility
Sewer - Act 537	Western Lehigh Interceptor Municipalities Test & Seal Lateral Grouting Project, Year 2 (2025)	Suburban Division	Construction Phase	Jason Peters
Sewer - Act 537	Western Lehigh Service Area - Engineering & Program Support	Suburban Division	Planning Phase	Phil DePoe
Sewer - Suburban	Heidelberg Heights Sewer System: I&I Source Reduction Program	Suburban Division	Construction Phase	Chuck Volk
Sewer - Suburban	Pretreatment Plant - Critical Upgrades	Suburban Division	Construction Phase	Chuck Volk
Sewer - Suburban	North Whitehall Township Act 537 Plan	Suburban Division	Planning Phase	Phil DePoe
Sewer - Suburban	Arcadia WWTP Screening System Project	Suburban Division	Construction Phase	Anton Siekmann
Sewer - Suburban	Wynnewood Terrace WWTP Expansion - Developer Cost-Sharing Agreement	Suburban Division	Design Phase	Chuck Volk
Sewer - Suburban	Pretreatment Plant (PTP) Electrical Study	Suburban Division	Planning Phase	Chuck Volk
Sewer - Suburban	Lynn Township Corrective Action Plan	Suburban Division	Planning Phase	Chuck Volk
Sewer - Allentown	Kline's Island WWTP - Plastic Media Trickling Filter Rehabilitation, Phase 1	Allentown Division	Project Closeout	Amy Rohrbach
Sewer - Allentown	Kline's Island WWTP - Holistic Solids Management Study	Allentown Division	Planning Phase	Stephen Boone
Sewer - Allentown	Sanitary Sewer Collection System: I&I Source Reduction Program (LCA Year 2)	Allentown Division	Construction Phase	Jason Peters
Sewer - Allentown	Kline's Island WWTP - Wet Weather Improvements - Phase 1	Allentown Division	Design Phase	Amy Rohrbach
Sewer - Allentown	KIWWTP Redundant PPL Power Feed	Allentown Division	Design Phase	Amy Rohrbach
Sewer - Allentown	Kline's Island WWTP - Substation No. 1 and Switchgear Replacement	Allentown Division	Construction Phase	Amy Rohrbach
Sewer - Allentown	Kline's Island WWTP - Building Renovations	Allentown Division	Design Phase	Anton Siekmann

Project Category	Project Title	Division / Funding	Project Phase	Staff Responsibility
Sewer - Allentown	Kline's Island WWTP - Chemically Enhanced Primary Treatment Study	Allentown Division	Planning Phase	Stephen Boone
Sewer - Allentown	Allentown Division I&I Program - Programmatic Support, Trout Creek & Eastside Basins	Allentown Division	Planning Phase	Stephen Boone
Sewer - Allentown	Kline's Island WWTP - 2025 Architectural and Structural Upgrades	Allentown Division	Construction Phase	Anton Siekmann
Sewer - Allentown	Kline's Island WWTP - Final Settling Tanks 1-4 Upgrades	Allentown Division	Construction Phase	Amy Rohrbach
Sewer - Allentown	Sanitary Sewer Collection System: I&I Source Reduction Program (LCA Year 1)	Allentown Division	Construction Phase	Jason Peters