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Executive Director

ENVIRONMENT COMMITTEE MEETING  
Wednesday, September 27<sup>th</sup>, 2023, at 12:00 pm  
AGENDA

THE MEETING CAN BE ACCESSED AT <https://tinyurl.com/LVPC2023> OR VIA PHONE 610-477-5793 Conf ID: 661 345 854#.

Roll Call

Committee Business:

1. *ACTION ITEM*: Lehigh County Authority Preliminary Capital Plans – Allentown and Suburban Divisions 2024-2028 (SR, CR)
2. *INFORMATION ITEM*: Workshop LV Environment - Transportation Decarbonization (Priority Climate Action Plan) (CM, CR)

Next Environment Planning Committee Meeting:  
October 25, 2023 at 12:00 pm



## Project Review Summary Sheet

Environment Committee

Date: September 2023

| Project   | Municipality   | Statement of Purpose   | LVPC Comment   |
|---|--|--|--|
| <p>Lehigh County Authority - Preliminary Capital Plan (2024-2028)</p> | <p style="text-align: center;"><b>ALLENTOWN DIVISION</b></p> | <p style="text-align: center;"><u>Water</u></p> <ul style="list-style-type: none"> <li>• <b>PFAS Compliance Planning and Upgrades:</b> Includes water quality studies and facilities upgrade work for Crystal Spring to comply with EPA’s proposed Per- and Polyfluoroalkyl regulation for drinking water.</li> <li>• <b>Influent Channel Modifications:</b> Modifications to existing influent channel at water filtration plant to reduce solids settling prior to reaching primary clarifiers.</li> <li>• <b>Big Lehigh Intake &amp; Transmission Upgrades:</b> Upgrade Big Lehigh intake facility with new pump #2, conduct assessment &amp; rehabilitation of raw water transmission main.</li> <li>• <b>Redundant Power Supply:</b> Addition of a new electrical feed to the current dual feed system at the water filtration plant to comply with regulations.</li> <li>• <b>Lead Service Line Replacement Program:</b> Multi-year project to replace public and private lead service lines in the City to comply with EPA regulations.</li> </ul> <p style="text-align: center;"><u>Wastewater</u></p> <ul style="list-style-type: none"> <li>• <b>Manhole Inspection and Sealing Program:</b> Infiltration/inflow (I&amp;I) reduction efforts to inspect and seal every manhole in the City sewer system over a 10-year period.</li> <li>• <b>Act 537 Alternative Analyses:</b> Includes final alternatives analysis for the Kline’s Island Act 537 Plan, which will include financial analysis, solution selection and finalization of the plan.</li> <li>• <b>Primary Sludge Digester Feed Line Replacement:</b> Replacement of 2 parallel 6-in diameter cast iron primary sludge lines in poor condition with 2 parallel 8-in glass lined ductile iron pipes.</li> <li>• <b>Source Reduction Plan - I/I Elimination Program:</b> Consists of internal pipe lining and grouting, and potential dig-up repairs to eliminate I/I in sewer system.</li> <li>• <b>Redundant Power Supply:</b> Addition of a third feed from a separate PPL substation to avoid wastewater treatment plant overflows and compliance violations due to extended power outages.</li> <li>• <b>Wet Weather Capacity Enhancement Project - Tertiary Bypass:</b> Increase wet weather capacity of the plastic media trickling filter effluent pump station at the wastewater treatment plant, resolving a hydraulic bottleneck at the plant.</li> </ul> | <p style="text-align: center;">Evaluating/providing system improvements to provide safe, reliable and efficient service supports FutureLV actions to ‘improve the utility and mobility infrastructure of the region’ and ‘integrate efficiency measures and emerging technologies’ (of Policy 1.1) and ‘protect the quality and quantity of surface water and groundwater’ (of Policy 3.2). LVPC will provide comments on draft Kline’s Island Act 537 Plan upon completion, per Act 537 requirements.</p> |



## Project Review Summary Sheet

Environment Committee

Date: September 2023

| Project   | Municipality                    | Statement of Purpose  | LVPC Comment   |
|---|---------------------------------|---|--|
| <p>Lehigh County Authority - Preliminary Capital Plan (2024-2028)</p> | <p><b>SUBURBAN DIVISION</b></p> | <p style="text-align: center;"><u>Water</u></p> <ul style="list-style-type: none"> <li>• <b>Water Quality Studies &amp; Upgrades:</b> Conduct water quality studies and rehabilitation work at various LCA satellite system locations to comply with evolving state and federal water quality standards and regulations.</li> </ul> <p style="text-align: center;"><u>Wastewater</u></p> <ul style="list-style-type: none"> <li>• <b>North Whitehall Township Act 537 Sewage Facilities Planning:</b> Coordinate with North Whitehall Township to develop an up-to-date Act 537 Sewage Facilities Plan for the township.</li> <li>• <b>Spring Creek Pump Station Upgrades:</b> Upgrade system components determined to be in poor condition to improve and maintain level of service.</li> <li>• <b>Spring Creek Force Main Relocation:</b> Relocation of approximately 2,200 linear feet of Spring Creek force main due to the Turnpike widening project and needed relocation of the Lower Macungie Road bridge.</li> <li>• <b>Sand Spring Wastewater Treatment Plant Improvements:</b> Equipment improvements at the plant located in North Whitehall Township to comply with PA Department of Environmental Protection discharge permit.</li> </ul> | <p>Evaluating/providing system improvements to provide safe, reliable and efficient service supports FutureLV actions to ‘improve the utility and mobility infrastructure of the region’ and ‘integrate efficiency measures and emerging technologies’ (of Policy 1.1) and ‘protect the quality and quantity of surface water and groundwater’ (of Policy 3.2). LVPC will provide comments on draft North Whitehall Township Act 537 Plan upon completion, per Act 537 requirements.</p> |