
Re: North Wales ES, A.M. Kulp ES, Nash ES – Energy Saving Project

Prepared for: North Penn School District

Date: August 4, 2026

North Wales Elementary School, located at 201 Summit St, North Wales, PA 19454, was constructed in 1927. The most recent lighting upgrade project took place in 2009. The existing lighting system utilizes outdated technology resulting in high energy consumption and maintenance costs.

A.M Kulp Elementary School, located at 801 Cowpath Rd, Hatfield, PA 19440, was constructed in 1957. The most recent lighting upgrade project took place in 2009. The existing lighting system utilizes outdated technology resulting in high energy consumption and maintenance costs.

Nash Elementary School, located at 1560 Liberty Bell Dr, Harleysville, PA 19438, was constructed in 1976. The most recent lighting upgrade project took place in 2009. The existing lighting system utilizes outdated technology resulting in high energy consumption and maintenance costs.

Proposed Project – Scope of Work

North Wales ES Lighting Replacement Scope

Light fixtures at North Wales Elementary School primarily utilize fluorescent bulbs. As bulbs and fixtures fail, the School District retrofits with LED. This building also utilizes a legacy centralized Lutron lighting control system for which it is difficult to get replacement parts. The existing lighting lacks consistency throughout the building and is less energy-efficient than modern solutions.

The proposed replacement scope would include replacing all light fixtures throughout the building with high-efficiency LED fixtures. The legacy Lutron system would be removed. Lighting would be controlled through new wall switches and occupancy sensors as this is the District's preference for simplicity and ease of maintenance.

A.M. Kulp ES Lighting Replacement Scope

Light fixtures at A.M. Kulp Elementary School primarily utilize fluorescent bulbs. As bulbs and fixtures fail, the School District retrofits with LED. This building also utilizes an outdated centralized lighting control system. This lighting control system is currently being bypassed due to the difficulties it has caused for the maintenance staff. The existing lighting lacks consistency throughout the building and is less energy-efficient than modern solutions.

The proposed replacement scope would include replacing all light fixtures throughout the building with high-efficiency LED fixtures. The existing bypassed central lighting control system would be removed. Lighting would be controlled through new wall switches and occupancy sensors as this is the District's preference for simplicity and ease of maintenance.

Nash ES Lighting Replacement Scope

Light fixtures at Nash Elementary School primarily utilize fluorescent bulbs. As bulbs and fixtures fail, the School District retrofits with LED. This building also utilizes a legacy centralized Lutron lighting control system for which it is difficult to get replacement parts. The existing lighting lacks consistency throughout the building and is less energy-efficient than modern solutions.

The proposed replacement scope would include replacing all light fixtures throughout the building with high-efficiency LED fixtures. The legacy Lutron system would be removed. Lighting would be controlled through new wall switches and occupancy sensors as this is the District's preference for simplicity and ease of maintenance.

Proposed Projects – Benefits

The proposed improvements directly address deficiencies identified during the overall building assessments. Completion of the project will:

1. Improve light levels throughout administrative and instructional spaces.
2. Reduce maintenance demands on District staff.
3. Reduce energy consumption by installing modern high-efficiency fixtures and controls.
4. Remove obsolete equipment that can no longer be effectively utilized by the District.
5. Reduce the risk of lighting system failures that could disrupt educational operations, extracurricular activities, and community use of the facilities.

Proposed Project – Budget

NORTH WALES ES, A.M. KULP ES, NASH ES – ENERGY SAVING PROJECT		
PROJECT COSTS		COST ESTIMATE
1	Construction Costs	\$1,783,262
2	Construction Contingency	\$89,163
3	Engineering Design	\$207,356
	TOTAL	\$2,079,781

Construction Costs include the cost of purchasing equipment and system components, labor costs for installing equipment and components, project management, site services, general conditions, permits and bonds, commissioning, and owner training.

If there are any questions regarding this project budget or scope, please feel free to reach out.

Sincerely,

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