

Energy Management Plan
Harford County Public Schools

I. Purpose

The purpose of this energy management plan (EMP) is to implement the Harford County Public Schools energy policy to reduce energy consumption in the school district and improve the learning and teaching environment for our students and teachers. This EMP will guide the operations of Harford County Public Schools to achieve the highest standards in energy efficiency, water conservation, and indoor and outdoor environmental quality without sacrificing the comfort or economic security of the learning environment.

II. Goals and Objectives

Goals of this EMP are:

1. Establish an energy performance baseline using 2023-2024 school year data.
2. Reduce energy consumption in the Harford County Public Schools by the end of the 2025-2026 school year (targeting at least 2% improvement each year) and maintain and/or continue to reduce the level of consumption for five years.
3. Provide resources and training for all teachers, staff, and students on ways they can help improve the energy performance of their schools.
4. Energy Management Services will review specifications of new construction and systemic renovations to determine that best practices are being followed in this area.

Objectives to achieve EMP goals:

1. Identify capital improvement projects and prioritize based on payback by the end of the 2025-2026 school year.
2. Develop a technological improvement plan for each school including recommendations on retrofits that should be pursued and technological changes that should be made through equipment replacement.
3. Achieve at least a 2% reduction in energy consumption from the established baseline by the end of each school year.
4. Identify and re-evaluate existing energy education material (for use by teachers) during the 2025-2026 school year.
5. Request at least three teacher volunteers at each grade level to use and evaluate energy education materials during the 2026-2027 school year.

III. Energy Management Planning

1. Establish a strategy which includes an Energy Management position. This position will be responsible for implementation of the EMP, policy enforcement, training, assisting with energy procurement and other efforts related to energy use in district schools.
2. Establish an Energy Steering Committee.

3. Establish goals, expectations, and feedback mechanisms.

Establish an Energy Management/ Conservation Program

The energy management plan will be formalized to include policy, procedures, energy audits, training, technology improvements and all the various components identified in our goals and objectives. The Resource Conservation Manager and the Energy & Automated Building Systems Supervisor will work in conjunction with the energy steering committee to continually evaluate the program and report progress periodically to the Harford County Public Schools Board of Education.