



Environmental SUSTAINABILITY

TREDYFFRIN/EASTTOWN SCHOOL DISTRICT, 2025-26



OPERATIONAL ENHANCEMENTS

- Energy-efficient LED theatrical lighting was installed at Valley Forge Middle School.
- Existing HVAC units were replaced with more energy-efficient units at HES, TEMS, VFMS, CHS, and the NOC.
- Energy efficiency at HES was improved through the installation of high-efficiency boiler burners.
- Sustainable design strategies were incorporated into the Bear Hill Elementary School project, including enhanced insulation, high-efficiency HVAC systems, and low-VOC interior finishes.
- Site improvements at Bear Hill Elementary School increased green space, reduced impervious surfaces, and expanded stormwater management capacity.
- Solar photovoltaic panels were installed as part of the CHS Athletic Fields Project to support renewable energy generation.
- Sustainable building features were incorporated into the CHS Athletic Fields Project, including high-efficiency HVAC systems, energy-efficient LED lighting, daylighting, water-conserving plumbing fixtures, low-VOC finishes, enhanced stormwater management, and improved building envelope performance.



EDUCATIONAL ENHANCEMENTS

- K-8 Science and CHS Biology teachers revised curriculum outlines and implemented new curriculum resources aligned to new PA-Science, Technology, Engineering, and Environmental Literacy & Sustainability (PA-STEELS) Standards.
- CHS Environmental Science teachers designed classroom activities that use data collected from new CHS Athletic Field Solar Panel installation.
- K-8 Science and CHS Environmental Science teachers participated in workshops to review An Educator's Guide to the Meaningful Watershed Educational Experience (MWEE), published by NOAA Bay Watershed Education and Training Program, and designed related classroom activities that address new Environmental Literacy & Sustainability Standards.
- Elementary Science teachers reviewed environmental audits of TESD elementary schools, completed by Conestoga's Greening 'Stoga Task Force, and developed related classroom activities.
- CHS Environmental Science teachers participated in Penn State University's K-12 Sustainability Summit, and shared related materials with K-12 Science Standing Committee.