

# Educational Facility Projects

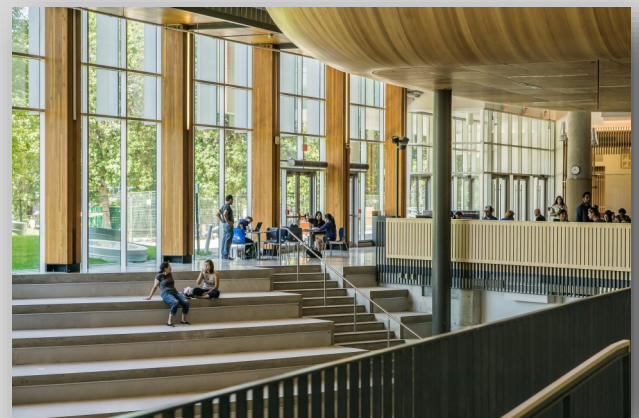


## East Hills Engineering Associates LLC

As education continues to evolve, so must the engineering of educational facilities. Educational facilities planning is a complex structure of interrelated issues, needs, priorities and functions. At East Hills Engineering, we embrace the ever-changing environment then analyze environmental concerns and energy conservation concerns to develop our designs to fit the project goals, and more importantly, the project budget. This ensures that any educational facility will be flexible enough to accommodate current needs as well as carry each facility into the future.

East Hills Engineering Associates, LLC has the experience and understanding needed to ensure that every type of educational facility, no matter how big or small, receives the highest quality engineering and design services. Whether the design is for a large new facility, small addition or an upgrade to an existing system, we will work to find an appropriate and most cost-effective solution.

Our Engineers and Designers have extensive experience in Primary/Secondary Schools (K-12), as well as Post-Secondary (Higher Education) facilities. We understand how important education is and the important civic, educational and public safety roles that each school, college or university plays in our communities.



# Educational Facilities - K-12

We are proud to have been involved with many School Districts, offering our expertise in feasibility studies, new facility construction, energy upgrades and renovations, water heating system upgrades, and electrical and HVAC system replacements.

Our Listen first approach to Building Systems design helps us understand the challenges that each facility faces in the short term while allowing us to incorporate flexibility that might help mitigate future needs. We pull from extensive experience as well as a vast network of industry resources such as APPA, ASHRAE, USGBC, ASPE and NFPA to provide technically sound, budget appropriate and state of the art designs to help Educational Facilities Planners direct efforts where they are needed.

K-12 school buildings account for an average of 25% of a State's annual capital spending



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They are a great group of people who work together to meet the goals of the district and needs of the project. They stand behind their work and are open to any questions at any time, even after the project is completed. I would recommend East Hills Engineering to any school district that has a building project or major renovation plan.

Joseph Renzi, Superintendent

Salisbury-Elk Lick School District

East Hills Engineering Associates assisted Hollidaysburg Area School District in the design and replacement of our geothermal coupled Natatorium HVAC Dehumidification units. We found East Hills Engineering staff to be very knowledgeable and accommodating to the district's needs. I would consider using the services of their firm again if the need would arise.

Mr. Jonathan Nihart, Director of Physical Plant

Hollidaysburg Area School District

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# Sample Projects - K-12

## Conemaugh Township Area School District

- *HS/MS Locker Room Facility Upgrades*
- *New Fieldhouse*
- *Accessibility Improvements*
- *Elementary School – Kitchen Upgrades & HVAC*
- *High School – HVAC Upgrades*

Mechanical, Plumbing and Electrical



## Hollidaysburg Area School District

- *Replacement of Natatorium Rooftop*
- *Geothermal Heat Pumps*

Full Mechanical, Electrical and Plumbing



## Salisbury-Elk Lick School District

- *Feasibility Studies*
- *HS Heating System Replacement*
- *Elementary School Addition of Air*
- *Conditioning*



## Windber Area School District

- Multiple Feasibility Studies
- Middle School – add HVAC



# K-12 Project List

## **Bedford Area High School**

*Locker Room/Weight Room Renovation*  
Mechanical and Electrical

## **Johnstown High School**

*Cochran Auditorium Air Conditioning*  
Electrical, Structural and Construction

## **Juniata Valley Elementary School**

*Water Heating System Replacement*  
Mechanical and Electrical

## **Mount Pleasant Area School District**

**Donegal Elementary School**

**Ramsey Elementary School**

**Norvelt Elementary School**

**Jr./Sr. High School**

*Energy Upgrades and Renovations*  
Mechanical and Electrical

## **Moshannon Valley High School**

*Indirect Fired Water Heater Tanks Replacement*  
Mechanical and Electrical

## **Williamsburg School District**

*Replacement of Emergency Generator – High School*  
*Upgrade Boiler Controls – High School & Elementary Schools*  
*Domestic Water Controls Upgrade – High School*  
*Generator Feasibility Study – High School & Elementary Schools*  
Mechanical and Electrical





# Educational Facilities - Higher Education

We pull from extensive experience as well as a vast network of industry resources such as ASHRAE, USGBC, ASPE and NFPA to provide technically sound, budget appropriate and state of the art designs to help facility managers direct funds where they are needed the most.

East Hills Engineering Associates has served as the Facilities Engineer for Juniata College and The Allegany College of Maryland for several years. The physical plant and maintenance personnel at these institutions know they can rely on our personnel to provide outstanding service and our LOCAL presence means that we are available when the need arises.

***“Campus facilities and space are an integral and expensive resource that has a dramatic impact on the ability of higher education institutions to accomplish our primary missions of instruction, research and public service.***

***The innovative, effective and efficient use of the campus facilities and the environment is a shared goal among member institutions and all of higher education.”***

**-Higher Education Facilities Management Association (HEFMA)**



# Juniata College



## **Kepple Hall** – *Integrated Media and Studio Arts Building*

New Construction  
approximately 10,000 square feet.

EHEA provided full MEP Services.

## **Brumbaugh Academic Center** – *Alumni Hall and Front Entrance*

Renovation of existing Front Entry and 4,800 sf Auditorium

EHEA provided full MEP Services.





# Juniata College



## **Swigart Enrollment Center** – *Renovations and Addition*

Addition of 1,600 sf of Office space

EHEA provided full MEP Services

## **Good Hall** – *Renovations and Addition*

Addition of elevator and classroom spaces

EHEA provided full MEP Services



## **Ellis Hall** – *Renovations and Addition*

Addition of elevator and community spaces

Food Services Facility Upgrade

EHEA provided full MEP Services

## **Nathan Hall**—New Student Resident Hall

## **Multiple Classroom and Dorm Building upgrades:**

Sherwood Hall boiler replacement

Sunderlund Hall boiler replacement

Tussey Terrace Hall boiler replacement



# Project List - Higher Education

## **ALLEGANY COLLEGE OF MARYLAND**

Contact: Adam Phipps, Director of Physical Plant (301)- 784-5262

### ***Allied Health Building***

*Replace Air Handlers - Mechanical and Electrical*

### ***Continuing Education Building***

*Mechanical, Plumbing, Electrical Drawings, Technical Specifications and Construction Services*

### ***Humanities Building***

*Humidity Study*

*Mechanical and Electrical*

*Infrastructure*

*On going Consulting Services involving buildings and ground both direct and indirectly*

### ***P.E. Building – Geothermal***

*Mechanical and Electrical*

### ***Science Building - HVAC Problem***

*Mechanical*

### ***Office Addition/Book Store***

*Mechanical, Plumbing and Electrical*

***Western Maryland Works - Welding Ventilation***

## **ST. VINCENT'S COLLEGE, Latrobe PA - Multiple Projects**

### ***Basilica***

*Add Air Conditioning, replace heating and upgrade ventilation*

### ***Campus Steam System Study***

### ***Library***

*New HVAC System*

### ***Multiple Classroom and Dorm Building upgrades including:***

*Rodrick Hall*

*Placid Hall*

*Rooney Hall*

## **UNIVERSITY OF PITTSBURGH AT JOHNSTOWN – Johnstown, PA**

*Multiple Projects*



University of  
Pittsburgh  
Johnstown