

CASE STUDY:

THADDEUS STEVENS

College of Technology

COMPREHENSIVE ENERGY SAVINGS

As part of mission of Thaddeus Stevens College of Technology, students helped install key components of this comprehensive energy savings program, funded by Pennsylvania's Small Guaranteed Energy Savings Agreement.



PROJECT SNAPSHOT

Thaddeus Stevens College of Technology leveraged the Commonwealth's program to fund a comprehensive, campus-wide energy efficiency project.

PA's Small Guaranteed Energy Savings Agreements enables public institutions to pursue maximum-impact projects using low-cost financing.

CUSTOMER PROFILE

Thaddeus Stevens College of Technology educates Pennsylvania's economically- and socially-disadvantaged as well as other qualified students for skilled employment in a diverse, ever-changing workforce.

Thaddeus Stevens College of Technology will be the best two-year technical college of its kind, adding value to the lives of its students so they find skilled employment, live as effective citizens, and reach their full potential.

PROJECT RESULTS

\$2.7 MILLION

Total project size

\$217,000

Annual guaranteed savings

\$57,000

Rebates applied for and secured

1,100+ MWh

year electricity saved

6,000 MMBTU

year water saved

680,000 GALLONS

year water saved

1,100 METRIC TONS

year CO2 avoided

Equivalent to over

19,000 TREES

planted

PROJECT MEASURES

- LED Lighting Upgrades
- Building Automation controls
- Chiller Replacement
- HVAC Upgrades
- Electric Meters
- Pipe Insulation
- Steam Traps
- Water upgrades
- Dehumidification

TECHNICAL COMPONENTS

- State-of-the-art LED lighting systems
- Modern building automation controls
- Comprehensive energy conservation measures (ECMs)



This is a win-win for the state and taxpayers. Pennsylvania's Guaranteed Energy Savings Act program allows the state to reduce our carbon footprint, lower our energy bills to fund new construction projects and ultimately generate savings for the Commonwealth.

— Curt Topper, Secretary, Department of General Services

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