



PACT™ Shikellamy Schools

Sunbury, Pennsylvania

*Trane PACT Program Funds
Over \$735,000 In Building Improvements
For Pennsylvania School District*

Customer Profile

The Shikellamy School District consists of nine buildings with a student enrollment of over 3,000. The district is located in the heart of Pennsylvania.

Customer Issues

- Accelerate the procurement process
- Improve classroom comfort
- Decrease operating costs
- Improve equipment reliability

Project Objective

Provide more efficient and reliable comfort systems to improve the learning environment in the classrooms.

Results

\$735,000 in capital facility improvements including:

- Lighting retrofit
- Gas-fired modular boiler installation
- Domestic hot water tank installation
- Steam trap replacement
- Direct Digital Controls (DDC) upgrade
- Energy management system installation

Performance management and training

\$70,000 per year guaranteed savings over a 10-year term





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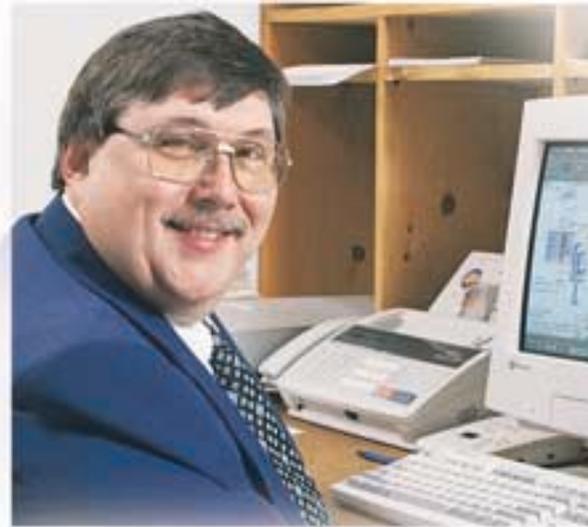
In the State of Pennsylvania, competition for budget dollars is tough. Pennsylvania school boards must be sure each dollar spent contributes to the district’s ultimate mission: providing a comfortable environment that encourages children to learn. Shikellamy Schools maximized the use of its operating budget using the Trane Performance Agreement for Comfort from Trane (PACT™) program to provide needed building improvements that will deliver just such a comfortable learning environment. The \$735,000 project is being funded using savings generated by building improvements.

“I believe Trane products are the best in the industry. The team of personnel from Trane provided the best service available. I am confident the district will continue to do business with them for many years to come,” comments Dan Saxton, Shikellamy, director of facilities.

Uncomfortable Classrooms

Shikellamy Schools is located in central Pennsylvania and serves a community of over 24,000. Much of the equipment serving the district’s buildings was old, inefficient and badly in need of updating. The state of disrepair even reached a point where comfort was a major distraction in the classrooms at two schools, C.W. Rice School and Sunbury Middle School. The district was looking for a way to address these infrastructure and comfort problems without tapping additional capital funding.

“All schools are faced with budget difficulties, especially in the area of facilities maintenance. Our middle school



Dan Saxton, director of facilities

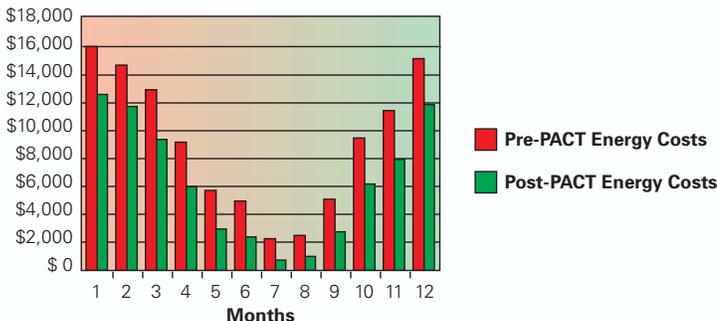
needed boilers replaced. They were nearly 50 years old and were leaking. Complete replacement was cut from the budget for several years in favor of making enough repairs to just get through another year,” comments Saxton.

The district decided to use a performance contracting approach to help them solve their infrastructure problems. The Trane Company was selected to develop a project based on Trane’s experience, building expertise, and excellent service history with the district.

More Reliable Heating

Trane assembled a team of experts to determine what was needed to provide improved classroom comfort. After listening carefully to the district’s requirements, Trane developed a PACT solution that addressed the comfort complaints and generated enough savings to fund the cost of the building improvements. The comprehensive plan included addressing the building’s heating systems and installing modular boilers to deliver more efficient and reliable heat to the facility. Repairs were made to the existing temperature control system as a cost-effective means to improve the environment. A Trane Tracer Summit™ building automation system was installed to monitor and control the

Utility Profile



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comfort systems in the schools. As a central point of information, the building automation system gives the buildings and grounds personnel a more efficient means with which to manage the district's facilities. A lighting retrofit was also completed to improve classroom light levels and create additional energy savings.

Guaranteed Savings

A PACT™ guarantee is in place to ensure project performance for the district.

Trane service specialists routinely inspect the installation to make sure equipment is working as anticipated. They provide support and consultations to Shikellamy Schools to ensure its staff is trained on the operation and maintenance of the installed systems. The PACT guarantee provides Shikellamy Schools with the assurance of long-term financial results and guarantees over \$865,000 in savings throughout the 10-year term.

The students and faculty at Shikellamy Schools are learning and teaching

without the distraction of uncomfortable surroundings. The district is very pleased with Trane performance. The strong partnership between Shikellamy Schools and The Trane Company has created a better educational environment for students and staff. Using the PACT program, Shikellamy Schools is now in a better position to focus on providing high-quality education.

A lighting retrofit improved the quality of classroom lighting.





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Since The Trane Company has a policy of continuous product and product data improvement, it reserves the right to change design and specifications without notice.