

WRIGHTSTOWN COMMUNITY SCHOOL DISTRICT

*Facilities Improvement
Measures Include:*

**\$184,928 IN ENERGY
SAVINGS!!!**

**HVAC UPGRADES
AND CONTROLS**

DE-LAMPING

**VFDS ON BOILER PUMPS
AND AIR HANDLING UNITS**

The Wrightstown Community School District contracted CESA FM in March of 2012 to help increase the energy efficiency of their facilities. Nate Curell, Energy Management Manager performed a preliminary audit on the facilities to determine which energy conservation measures (ECMs) and activities would yield the most savings. The school made capital investments in retrocommissioning (replacing minor faulty HVAC equipment, adding VFDS on boiler pumps and air handling units, expanding DDC controls throughout the MS and ES classrooms and refined summer schedules) and the district participated in widespread de-lamping as well as added occupancy sensors in common areas. It was determined that the International Performance Measurement and Verification Protocol Option C (whole building/ongoing utility bill monitoring) was the best method to track energy savings. The Wrightstown School District was projected to save \$95,194 (20 percent of their total bill) in energy costs over a three year period. In that time span, the Wrightstown School District was able to realize \$184,928 in achieved energy savings—**over 194 percent of estimated savings!**

Units	Projected Annual Energy Savings	Actual Energy Savings Year 1	Actual Energy Savings Year 2	Actual Energy Savings Year 3	Projected Three Year Savings	Achieved Three Year Savings
kWh	70,920	(900)	405,800	(5,400)	212,760	399,500
kW	260	(356)	1,132	(54)	260	241
MMBTU	511	4,482	1,787	(319)	1,533	5,950
Gallons	NA					
Other	NA					



“With the help of CESA FM and the significant energy savings we’ve managed through our partnership with them, we were able to complete additional energy projects which, ultimately, allow us to spend money on educating our children rather than paying higher energy costs. They have helped us realize the fact that paying attention to the small details of energy savings makes a big difference in the end.”

Carla Buboltz, District Administrator, Wrightstown Community School District



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