

SCHOOL DISTRICT OF MARSHFIELD

Facilities Improvement Measures Include:

\$279,636 IN ENERGY SAVINGS!!!

CONTROLS RECOMMISSIONING

INSTALLATION OF A POOL COVER

LIGHTING SYSTEM EVALUATION

The School District of Marshfield partnered with CESA FM in 2008. Tad Beeksma, Energy Manager at that time, performed an investment grade audit to determine the primary energy conservation measures (ECMs) for optimal energy savings. The primary ECMs addressed were controls recommissioning, installation of drives, installation of a pool cover, and a lighting system evaluation. Through CESA FM's Performance Based Energy Management Service, the School District of Marshfield was projected to save \$215,841 in energy costs (20 percent of their total bill) over three years. **In that time span, the District was able to realize \$279,636 in achieved energy savings, 130 percent of the projected savings.** This included \$92,662 in avoided repair and replacement costs for lighting service, air handling units with drive installation, and the reduced need for pool chemicals due to the installation of a pool cover. The School District of Marshfield was so happy with their energy savings that they continued the Energy Management program for an additional three years. During their time with the program, the School District of Marshfield was able to completely pay for CESA services through savings from their utility bill reduction.

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 (Ave kW)
kWh	322,681	190,760	665,460	198,580	968,043	1,054,800
kW	1,259	839	2,632	768	1,259	1,413
MMBTU	2,316	979	4,951	2,678	6,948	8,608
Gallons	NA					
Other	NA					



"The information that CESA FM provides is a tremendous asset. I can use it to show the public and the School Board where we're at, where we've been, where we're saving, and where we can go from here."

Ron Sturomski, Director of Building and Grounds, Marshfield School District



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