



Sure Bet for Schools



Energy Saving Motion Sensors for Class Rooms

Pershing County School District

Project Description:

The objective of this project is to enhance the energy efficiency of district facilities by using the “Watt Stopper Dt-200” motion sensor to turn off lights in classrooms during unoccupied times.

Contractor: Watt Stopper technology purchased through Wedco and installed in-house

Results/Benefits:

Watt Stopper Dt-200 ceiling mount motion sensors and power packs will be installed in all standard classrooms. The dual technology sensors use both ultrasonic technology and passive infrared sensors to provide optimal control for a variety of spaces and help eliminate “false triggers.” A combination of wall switches and the dual technology sensors were used. A total of 186 sensors were installed.

Estimates of savings are provided in the table below.

Project Details:

	Total
On-Peak Demand Savings	0.0 kW
Annual Energy Savings	24,061 kWh
Total Project Cost	\$18,708
Annual Energy Cost Savings*	\$2,647

* Assumes that the electricity rate is \$0.11/per kWh

Note: Labor not included in costs