

Rock Creek Unified School District 323

Energy efficient upgrades will save the district nearly \$154,000 a year

In October of 2010, Rock Creek USD 323 entered into a \$2.1 million energy savings project with Trane. The project consisted of building upgrades designed to reduce the district's annual energy usage and address deferred maintenance issues.

Upgrades at Rock Creek USD 323 began in November, 2010, and were completed in August of 2011. Overall savings in operations, maintenance, and utilities expenses are projected to be approximately \$154,000 annually.

The improvement projects were achieved through participation in a statewide program offered by the Kansas Energy Commission (enabled by K.S.A. 75-37,125) and a performance contract with Trane. The \$2.1 million project is being partially funded through the savings realized and the remaining funding will come from capital outlay funds. The total project will be paid for over a fifteen year period

Throughout the construction, Trane project Superintendent Craig Grosser documented the upgrades. The before and after photos Grosser took clearly demonstrate the amazing transformation that took place at Rock Creek USD 323.

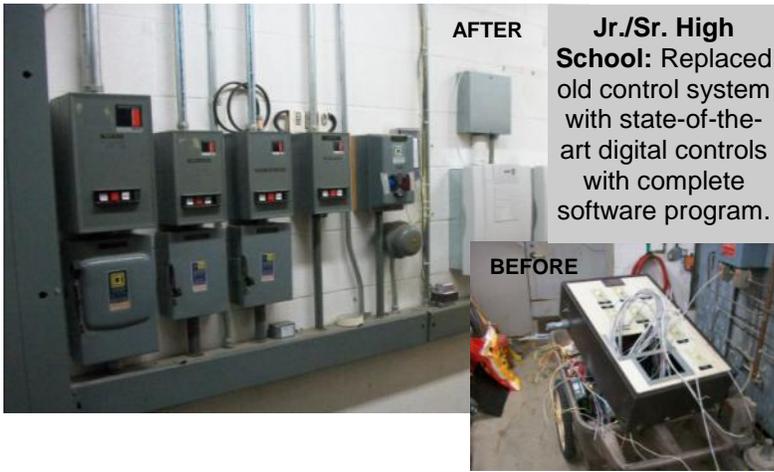


Elementary Gym: Replaced existing metal halide lights with fluorescent fixtures and replaced gym ventilation system.



Upgrades at Rock Creek USD 323 Included:

- Window upgrades
- HVAC upgrades & replacement
- High efficiency lighting upgrades
- Building automation systems installed
- Low flow plumbing fixtures installed



AFTER
Jr./Sr. High School: Replaced old control system with state-of-the-art digital controls with complete software program.



BEFORE



AFTER



BEFORE

Jr./Sr. High School: Replaced existing chiller with new high efficiency chiller.



BEFORE



AFTER

Elementary School: Replaced existing single pane windows with new thermal break aluminum units with insulated glass.



BEFORE



AFTER

Elementary School: Replaced steam heat air handling unit with efficient heat pump.



AFTER



BEFORE

Elementary School: Installed new HVAC system. Replaced single pane windows with new thermal break aluminum windows with insulated glass.

About Rock Creek USD 323
 Rock Creek USD 323 is located 15 miles from Manhattan, Kansas and Kansas State University. The District covers 230 square miles spanning the entire length of Pottawatomie County. The District is mostly rural and has two communities within its boundaries. The two elementary buildings, pre-kindergarten through sixth grade, are located in St. George and Westmoreland. The Jr./Sr. High is located in St. George. The population of the District is largely comprised of ranchers, farmers, and agricultural-related employees. The district has an enrollment of approximately 900 students and employs over 70 full and part-time teachers.