



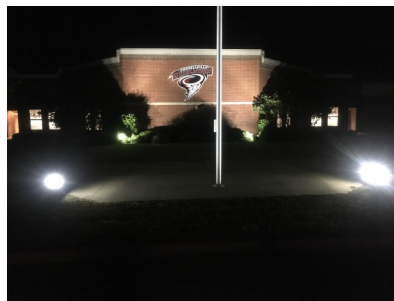
Russellville School District LED Lighting Upgrade

A Bright Future for Russellville Schools

In 2016, Russellville School District partnered with Excel Energy Group to update their lighting with new LED technology. The projects involved replacing or upgrading over 14,000 total fixtures and sensors, reducing those facilities' lighting and maintenance costs by over **60%**—an annual savings of over **\$288,000**.

Before this project, RSD spent over **\$430,000** a year on lighting and maintenance costs—now, they spend approximately **\$148,000** annually.

Russellville School District chose to use Excel Energy Group for their lighting retrofit project after a selection process that included other competitors. Excel was determined to be the best option in price and service.



RSD had many premium options to choose from when finalizing the project. The school district chose to include all of the options, increasing the value of the design.

added a cleaner look to the classrooms and offices where they were installed.

Areas were noted during the audit as fixtures that could use to be replaced. Some of these fixtures were replaced with similar items that kept the same look. Other areas had surface mounted fixtures that were in a recessed ceiling. Per the design of Excel, these fixtures were replaced with recessed troffers that

Excel Energy Group not only provides retrofit and replacement of interior lighting but exterior lighting as well. Fixtures like wall packs, canopies and flood lights are replaced with LED lighting. Also less common items like pole lighting and flag pole floods (above) can be replaced with LED lighting.



Project Quick Facts:

Total Facilities:	16
Total Light Fixtures:	13,600
Total Sensors:	670
Total Cost:	\$1,539,000
Total Incentive:	\$334,800
Annual Savings:	\$288,200
Payback:	4.2 years

THE BOTTOM LINE:

Excel was able to reduce the District's electricity and gas usage by **2,660,000** kwh annually. That means RCSD will eliminate over **4,365,000 pounds** of carbon dioxide from the atmosphere **every year**—the equivalent of removing the emissions from burning **222,777** gallons of gasoline or **2,166,105** pounds of coal annually.

Decreased light
wattage by an
Average of
60% in
each area!

