



Performance Services

Little Rock School District LED Lighting Upgrade

All LED Lighting for Little Rock Schools

In 2017, Exel Energy Group worked with PSI to update Little Rock School Districts existing lighting system with new LED technology. The projects involved replacing or upgrading over 14,400 total fixtures and sensors, reducing those facilities' lighting and maintenance costs by over **65%**—an annual

savings of over **\$310,800**.

Excel Energy Group assisted the District in obtaining project incentive money through Entergy which helped pay for the project. The incentive money allowed for easy, affordable financing of the project.

Little Rock School District had mostly existing T8 fluorescent lighting. With over 7,600 fixtures being T8, Excel was still able to save the District an additional \$310,800 annually by switching all of the lighting to LED technology.



The lighting project chosen by Little Rock Schools was a Premium Design, which means it includes cosmetic upgrades in addition to energy efficiency.

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 can be replaced with LED lighting.



Little Rock School District

Total Facilities:	53
Total Light Fixtures:	13,700
Total Sensors:	700
Total Cost:	\$1,832,200
Total Incentive:	\$332,100
Annual Savings:	\$310,800
Payback:	4.8 years

THE BOTTOM LINE:

Excel was able to reduce the District's electricity and gas usage by **3,169,100 kwh** annually. That means Little Rock Schools will eliminate over **5,199,598 pounds** of carbon dioxide from the atmosphere every year—the equivalent of removing the emissions from burning **265,387** gallons of gasoline or **2,580,414** pounds of coal annually.

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

