



Hot Springs School District LED Lighting Upgrade

All LED Lighting for Hot Springs



In 2018, Hot Springs School District involved replacing or upgrading over 8,700 total fixtures and sensors, choosing Excel Energy Group as the lighting contractor to update their existing lighting system with new LED technology. The projects reducing those facilities' lighting and maintenance costs by over **65%**--an annual savings of over **\$185,700**.



Hot Springs School District

Project Quick Facts:

Total Facilities:	13
Total Light Fixtures:	8,200
Total Sensors:	500
Total Cost:	\$899,200
Total Incentives:	\$174,500
Annual Savings:	\$185,700
Payback:	3.9 years

Hot Springs School District had mostly existing T8 fluorescent lighting. With over 4,100 fixtures being T8, Excel was still able to save the District an additional \$185,700 annually by switching all of the lighting to LED technology.



The lighting project chosen by Hot Springs 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.

THE BOTTOM LINE:

Excel was able to reduce the District's electricity and gas usage by **1,737,389** kwh annually. That means Hot Springs will eliminate over **2,850,565 pounds** of carbon dioxide from the atmosphere **every year**--the equivalent of removing the emissions from burning **145,493** gallons of gasoline or **1,414,655** pounds of coal annually.

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

