



Pine Tree Independent School District LED Lighting Upgrade

All LED Lighting for Pine Tree

In 2018, Pine Tree Independent School District choose Excel Energy Group as the lighting contractor to update their existing lighting system with new LED technology. The projects involved replacing or upgrading over 13,000 total fixtures and sensors, reducing those facilities' lighting and maintenance costs by

over **65%**--an annual savings of over **\$257,000**.

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

Pine Tree ISD had mostly existing T8 fluorescent lighting. With over 8,700 fixtures being T8, Excel was still able to save the District an additional \$257,000 annually by switching all of the lighting to LED technology.



The lighting project chosen by Pine Tree ISD was a Premium Design, which means it includes cosmetic upgrades in addition to energy efficiency.

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.

"These guys are the ultimate professionals. They have an excellent leader in their installation manager. Excel has been great to work with, and I would recommend a project with Excel to any Texas school district." -**Mr. Tony Hollins:**
Assistant Superintendent for Facilities & Planning

THE BOTTOM LINE:

Excel was able to reduce the District's electricity and gas usage by **2,660,000** kwh annually. That means Pine Tree ISD will eliminate over **4,364,517 pounds** of carbon dioxide from the atmosphere **every year**—the equivalent of removing the emissions from burning **222,765** gallons of gasoline or **2,165,987** pounds of coal annually.



Pine Tree ISD

Project Quick Facts:

Total Facilities:	18
Total Light Fixtures:	13,000
Total Sensors:	1100
Total Cost:	\$1,245,000
Total Incentive:	\$90,500
Annual Savings:	\$257,000
Payback:	4.4 years

