



University of Arkansas at Pine Bluff LED Lighting Upgrade

All LED Lighting for UAPB

In 2017, Excel energy worked with PSI to make UAPB more energy efficient and upgrade their existing lighting system with new LED technology. The projects involved replacing or upgrading over 17,100 total fixtures and sensors, reducing those facilities' lighting and maintenance costs by over **65%**—an annual savings of over **\$385,200**.

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

University of Arkansas at Pine Bluff had mostly existing T8 fluorescent lighting. With over 11,200 fixtures being T8, Excel was still able to save UAPB an additional \$385,200 annually by switching all of the lighting to LED technology.

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

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



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

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 UAPB's electricity and gas usage by **3,934,200** kwh annually. That means UAPB will eliminate over **6,455,059 pounds** of carbon dioxide from the atmosphere **every year**—the equivalent of removing the emissions from burning **329,466** gallons of gasoline or **3,203,463** pounds of coal annually.



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AT PINE BLUFF
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University of Arkansas at Pine Bluff

Project Quick Facts:

Total Facilities:	35
Total Light Fixtures:	16,200
Total Sensors:	950
Total Cost:	\$2,105,400
Total Incentive:	\$445,000
Annual Savings:	\$385,200
Payback:	4.3 years

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

