



# Parker's Chapel School District LED Lighting Upgrade



DECEMBER, 2014

## PROJECT QUICK FACTS:

Total Facilities:	11
Total Light Fixtures:	1,650
Total Sensors:	106
Total Cost:	\$214,306
Total Incentive:	\$66,804
Annual Savings:	\$40,336
Payback:	5.3 years

Decreased light wattage by an average of 60% in each area

## A Bright Future for Parker's Chapel!

November 2014, Parker's Chapel School District made a great decision to partner with Excel Energy Group to update their facilities with a new LED lighting system and add occupancy sensor controls. The projects involved retrofitting or replacing over 1,600 total light fixtures and sensors. It also reduced those facilities' lighting costs by over **70%**--an annual savings of over **\$40,000.**

A full LED upgrade has given Parker's Chapel School District a giant step towards the green initiative and saving significantly on their electric bill. Not only did the District see an average decrease in their fixture wattages, but they now have minimal maintenance on lighting.

Existing linear fluorescent lamps and ballasts are now upgraded to state of the art LED tube lamps. That means no more ballast maintenance! Parker Chapel's upgrade was not just limited to



interior lighting and controls. They saw drastic improvements on the exterior of their buildings by using new LED fixtures.

Going green and saving money, what more could you ask for? How about improved light quality?

By switching their gym lighting from metal halides to LED, Parker's Chapel saw a great improvement in their light quality (picture left). Now their lighting is evenly distributed and the clear color is extremely appealing.

Parker's Chapel received incentives through the CitySmart program for their project. Excel is an approved Trade Ally of the CitySmart program and aided the District through-out the incentive process to get them \$66,804 in incentives. That free funding paid for approximately 24% of the project!

The new LED tube lamps and fixtures are DLC or Energy Star listed which qualifies them for these incentives.

**Supt. Michael White** - "Excel delivered on their promises...from the design and lighting technology to the incentives, energy savings and installation...we could not be more pleased with our experience."

## Lookout CO<sub>2</sub>, There's A New Light In Town

Excel was able to reduce the District's electricity usage by **348,957** kwh annually. That means Parker's Chapel School District will eliminate over **241 metric tons** of carbon dioxide

from the atmosphere every year—the equivalent of removing the emissions from burning **27,076** gallons of gasoline or **258,457** pounds of coal annually. LED lamps do not contain Mercury like

the current fluorescent technology. By switching to LED, Parker's Chapel School District is removing the risk of mercury contaminating the environment from disposal.

## The Bottom Line:

Parker's Chapel School District received a comprehensive LED lighting upgrade, free Energy Incentives and lower electric bills - All guaranteed by Excel!

