



Hickman County School District LED Lighting Upgrade

Bright Choices at Hickman County

In 2017, Hickman County School District partnered with Excel Energy Group, Inc. to ensure students have a “bright” future by investing in a \$1 million LED lighting system. The efficiency project included a complete upgrade of their facilities to LED.

Replacement and retrofit of these fixtures reduced the lighting and maintenance costs by over **60%**--an annual savings of **\$215,930**. Before the school district was spending over **\$310,000** annually on lighting and now they spend approximately **\$63,000**.

One of the first questions a customer may ask themselves when looking into District-wide improvements is: How should we pay for this project? Excel Energy Group makes this decision as easy as possible with their assistance and guidance.

County was able to secure financing for their project at an interest rate of 0.75%. Excel Energy Group assisted Hickman in the application process to make it as easy as possible for the customer.

Luckily, Hickman County Schools did not have to finance the entire amount of the project. Excel Energy Group also secured over \$79,000 in incentives to help pay for the project. These funds were available to the customer through the EnergyRight Solutions program with TVA and the local power company.



Hickman County decided to finance their project using funds from the Energy Efficient Schools Initiative (EESI). This program allows schools to finance energy efficient projects with low interest rates. Hickman

THE BOTTOM LINE:

Excel was able to reduce the District's electricity by **1,632,784** kwh annually. That means LRCA will eliminate over **2,529,700 pounds** of carbon dioxide from the atmosphere **every year**—the equivalent of removing the emissions from burning **1,224,472** pounds of coal or **129,119** gallons of gasoline annually.



Hickman County Schools

| | |
|-----------------------|-------------|
| Total Facilities: | 10 |
| Total Light Fixtures: | 10,400 |
| Total Sensors: | 630 |
| Total Cost: | \$1,035,384 |
| Total Incentive: | \$79,905 |
| Annual Savings: | \$215,930 |
| Payback: | 4.4 years |

Decreased light
wattage by an
Average of
48% in
each area!

