

Ameren Missouri BizSavers® Program Energy Savings Case Study

Jefferson City Public School District

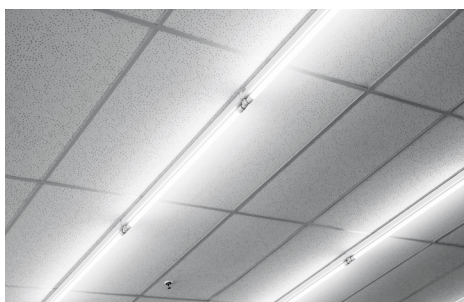
The Jefferson City Public School District made energy efficiency upgrades in several buildings to improve students' learning environment and the district's bottom line. After implementing energy saving opportunities with the Ameren Missouri BizSavers Program, switching to LEDs will save the district more than \$40,000 in electricity costs annually. The district has installed LED upgrades to the high school, middle school and several other buildings in the district.

Project Summary

The total project cost (before the incentive) of replacing 3,779 incandescent fixtures with LED fixtures was a little more than \$225,000. The projects allowed the facilities to reduce their lighting load by 494,472 kWh per year.

Incentive

The district was able to take advantage of cash incentives from Ameren Missouri's BizSavers Program for several lighting projects. By receiving incentives totaling \$42,826, the district was able to reduce the upfront cost of investing in energy-efficient lighting that has decreased their energy costs and created a safer, healthier learning environment for their students.



Technology

LED lighting is known for its low energy costs and long life. In fact, LED lamps can save up to 84% in energy costs as compared to incandescent lamps. They also generate less heat, reducing the impact on the HVAC load. Not only are LEDs more energy efficient than many other types of lighting, but their service life is significantly longer as well. Some LEDs have been rated for up to 50,000 hours, which equates to 50 times longer than incandescent lighting and five times longer than fluorescent lamps.

Facility Information

Facility type:
K-12 Schools

Measures:
LEDs

Annual energy cost savings:
\$40,605

Annual kWh savings:
494,472

Total project costs:
\$225,412

Total incentives:
\$42,826

Payback:
4.5 years

Get Started Saving!

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