

# Ameren Missouri BizSavers® Program Energy Savings Case Study

## Mexico School District #59

When you have 59 buildings to run, making sure they operate at peak efficiency is key to keeping costs down. That's just what the Mexico School District did when taking advantage of the Ameren Missouri BizSavers Program to help reduce the cost of improving their HVAC and lighting systems. Since 2017, the school has reduced their annual energy usage by 1,339,000 kWh across the district while creating a better environment for teachers, staff and more than 2,500 students.

### Project Summary

Throughout Mexico High School, Middle School, McMillan Early Learning Center, Hart Career Center, and the Mexico School District Central Office, over 4,200 lamps and fixtures were replaced with LEDs. In addition to easy lighting upgrades, heating, cooling and HVAC upgrades were made to Hawthorne Elementary, Mexico Middle School and Eugene Field Elementary. Installing the lighting and HVAC upgrades has provided over \$123,742 in annual energy cost savings. The upgrades were part of a three-year plan for the district.

### Incentive

Mexico School District #59 received over \$292,000 for their energy saving upgrades. Taking steps to provide a more energy efficient environment for students and teachers is a proven win-win for everyone.

### Get Started Saving!

Find out how you can save at [AmerenMissouri.com/BizSavers](http://AmerenMissouri.com/BizSavers) or by contacting a Business Development Representative at [BizSavers@Ameren.com](mailto:BizSavers@Ameren.com) or **1.866.941.7299**. Ready to start saving now? Find an approved contractor at [TradeAllyNetwork.com](http://TradeAllyNetwork.com).



Superintendent Zach Templeton said, "We are only a month into the school year and the results are clear. Students and teachers are saying how much brighter the hallways and classrooms look and we are seeing a decrease in our electric bill."

### 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. Upgrading inefficient HVAC systems can significantly reduce a buildings energy usage by 30-50%. Installing energy-efficient HVAC improvements have several additional benefits including reduced maintenance costs, lengthening equipment life and a short payback period. After completing the upgrades, the district has been able to provide students with a healthier, more efficient environment to learn and grow.

### Facility Information

**Facility type:**  
K-12 Schools

**Measures:**  
Lighting, Cooling,  
HVAC, Heating and  
Miscellaneous

**Annual energy cost savings:**  
\$123,742

**Annual kWh savings:**  
1,339,929

**Total project costs:**  
\$494,409

**Total incentives:**  
\$292,736

**Payback:**  
1.63 years