

# Case Study

## Kansas City Public Schools



### Efficiency homework pays off for local schools.

#### Overview

For a lesson in saving energy, look no further than Kansas City Public Schools (KCPS). Thanks to a comprehensive energy improvement plan designed in partnership with Evergy, the school district is saving an incredible \$2 million a year on energy costs. In addition to the cost savings, the upgrades have helped create a safer and more productive learning environment in each of the district's 35 schools.

"The greatest thing about energy efficiency improvements is that they pay for themselves. As of today, Evergy has provided more than \$1.3 million for this project. We couldn't have done it without that."

**Jensen Adams**

*Energy and Sustainability Manager*

#### Challenge

With construction dates stretching all the way back to the 1890s, upgrading each of the district's 35 schools was never going to be easy. Jensen Adams, the energy and sustainability manager for KCPS, worked closely with Evergy and other staff to develop a comprehensive energy improvement plan that would provide benefits to all schools in the district. Beginning in 2015, the project included replacing or retrofitting over 14,000 lighting fixtures, HVAC improvements and installing building automation system software to provide a detailed, real-time look at each school's energy use.

#### Results

"The savings are staggering." Adams' reaction says it all. The school district is now saving over \$2 million a year in energy costs alone—and that's on top of the \$1.3 million worth of incentives they've earned so far from Evergy. The energy KCPS saves each year is enough to power 3,800 homes, representing over a quarter of the student population. What's more, the schools are now brighter, safer and more welcoming for the students.

"At the end of the day, it was a great decision," Adams said. "Making the buildings more energy efficient, working with the staff, students and Evergy to accomplish this has been a great adventure."

#### By the Numbers

**Facility type:**

K-12 schools

**Measures:**

14,000+ lighting fixtures

HVAC replacements

Water systems

Climate control

Building automation software

**Estimated annual cost savings:**

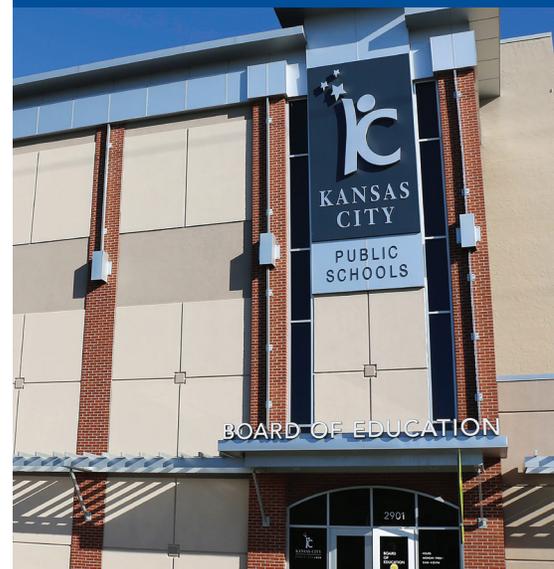
\$2 million

**Estimated annual energy savings:**

5.5 million kWh

**Energy incentives:**

\$1.3 million



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