

# Johnson Controls Performance Infrastructure™ Project Profile:

## Tennessee School Districts:

Lake County, Overton County, Smith County



*Three Tennessee school districts - Lake County, Overton County and Smith County - were each ready to enhance their facilities and provide more comfortable, connected and secure environments for student learning.*

To realize their goals, these districts individually partnered with Johnson Controls to make extensive facility upgrades throughout their schools. The combined \$7.7 million in improvements were enabled through Energy Savings Performance Contracts (ESPC) and Tennessee's Energy Efficient Schools Initiative (EESI). These engagements helped fund project implementations by using guaranteed savings to offset the cost of the upgrades.

Lake County School District's \$1.6 million in improvements included LED lighting, Wi-Fi thermostats, window and cooling tower replacements, as well as an HVAC rooftop unit above the district's high school gymnasium. Overton County School District implemented \$2.9 million to improve its infrastructure, including the installation of HVAC rooftop units, LED lighting, energy management systems and water conservation methods, as well as boiler, pump and WSHP unit replacements. And Smith County School District's energy efficiency upgrades included LED lighting, water conservation methods and energy management systems. The \$3.1 million in improvements will also be used to install access controls, in addition to the replacement of its cooling tower, boiler and pumps, WSHP unit and PTAC unit.

The three school districts can expect to see \$11 million in energy, operations and maintenance savings, and can reinvest leftover savings into additional curriculum upgrades for long-term student success.

### The projects include:

- LED lighting upgrades
- Wi-Fi thermostats
- Window and cooling tower replacements
- HVAC rooftop units
- Energy management systems
- Water conservation methods including boiler, pump and WSHP and PTAC unit replacements
- Access controls

### Combined Project Scope:

- Location: Tennessee
- Buildings: 22

### Combined Project Investment:

- Initial Cost: \$7.7 million
- Projected Savings: \$11 million

### Project Components:



HVAC equipment and YORK® Connected Chillers



Intelligent Lighting Infrastructure



Energy Storage



Security



Intelligent Water Infrastructure