



Efficiency Now

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Broward County Schools: *Broward County, Florida* School district cuts energy costs and sets environmental example



Background:

Broward County Public Schools is the sixth-largest public school district and the largest fully accredited public school district in the nation. It serves the educational needs of a unique urban/suburban mix of more than 250,000 students at more than 260 facilities.

Opportunity:

The district has built many new schools in recent years but must also maintain a very large base of older facilities. To reduce its energy consumption and utility budget, the district engaged Johnson Controls in a multi-phase performance contract to make energy-saving infrastructure improvements at more than 25 facilities. Johnson Controls has performed lighting retrofits, upgraded chillers and pumps, and installed building management systems, air handling units, variable frequency drives, lighting occupancy sensors and solar arrays. Thermal storage plants at five schools make ice at night, when utility rates are lower, and use it for cooling during the day.

Results: \$18 million savings

The Broward County Schools will realize operational savings of more than \$18 million over the life of the performance contract. This includes more than \$692,000 from expected utility rebates, including those earned by operating the thermal storage plants. Faculty and staff have praised the improved learning environment created by the lighting retrofits. The energy-saving measures also support the district's commitment to environmental stewardship and set an example for the community.

Efficiency makes sense for everything from the wallet to the environment. Efficiency measures can be accomplished quickly, they're relatively easy, and there's a real payback. The world needs efficiency, and Johnson Controls has everything necessary to provide it. We've got the experts, we've got the technology, and we've got ingenuity and integrity built into everything we do. For more examples of energy and operational solutions for buildings around the world, visit johnsoncontrols.com/efficiencynow.

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