

## East Moline School District #37 - Phase 2

3451 Morton Drive  
East Moline, IL 61244

Contact:  
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Superintendent  
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<b>PROJECT COST</b> .....	\$11,288,000
<b>TYPE</b> .....	Guaranteed Performance Contract
<b>TERM</b> .....	15 Year Term
<b>TOTAL SAVINGS</b> .....	\$11,288,000/12,567,869 in Energy, Operations & Maintenance
<b>GRANTS / REBATES</b> .....	\$399,887



Wells Elementary School



Bowlesburg Elementary School



Hillcrest Elementary School

### Project Background

East Moline School District is made up of 4 Elementary Schools and 1 Middle School, serving approx. 2800 students. During the summer of 2016, CTS Group joined with the District to improve the facilities, Glenview Middle and Ridgewood Elementary. In the summer of 2017, the District and CTS Group once again collaborated on a project that would advance the remaining 3 Elementary Schools into 21st-century learning environments.

### Solution

CTS Group replaced the aging boilers in all schools with those of greater efficiencies with better control and reliability. Air Conditioning was added to dehumidify the building during high relative humidity and increase comfort for faculty and students. Single pane windows were replaced with energy-efficient windows, eliminating drafts. Discolored and rusty ceiling tiles were replaced with USG Radar ClimaPlus tiles, which are sag-resistant and treated to inhibit growth of mold. A new parking lot was added to Wells Elementary and a student drop off and pick up to Bowlesburg. Wooden playground equipment at Bowlesburg Elementary was in poor shape and hazardous. A new pavilion was constructed in its place, complete with electrical outlets and overhead lighting. This pavilion has an occupancy of 30-40 students and staff and will serve the District for many years to come.

### Project

The major renovations and maintenance involved in the project included:

- / Upgraded HVAC systems to include air conditioning
- / Upgraded kitchen make-up air unit, exhaust and hood
- / Interchanged existing temperature control system with new equipment controllers, sensors and actuators
- / Installed web-based Tridium system
- / Replaced existing fixtures with energy-efficient T-8 and LED lighting
- / Added commercial aluminum frame windows
- / Constructed open cabinets and counters
- / Replaced ceiling tiles and grid
- / Replaced roof at Hillcrest Elementary
- / Reconfigured old administrative offices to serve as an Alternative School

By installing the new energy-efficient systems, the District will reduce their energy costs by \$376,350 during the bond finance period.

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BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER

