

# COMMERCIAL NEW CONSTRUCTION PROGRAM

*it pays to make energy efficiency part of the plan*

## K-12 Educational Facilities

Energy costs are second only to personnel costs as the leading draw on K-12 school district operational budgets



### Potential Energy Cost Savings

High \$277K

Low \$ 1k

Average \$ 41K

Based on 338 verified buildings

### DID YOU KNOW...

41%

Participating K-12 school projects average 41% in annual energy cost savings



Iowa schools have received approximately \$32 million dollars in incentives



338 projects totaling more than 26 million square feet



School districts have saved over \$14 million dollars in annual energy costs, equivalent to approximately 267 teacher salaries

### SEE HOW YOU CAN SAVE

- Learn more and enroll a project: [iowacnc.com](http://iowacnc.com)
- Contact the program implementer: 877 939 1874 or [cnc@willdan.com](mailto:cnc@willdan.com)



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## K-12 Case Study



Photo courtesy of frk architects + engineers

“...It is important to me to know we did the right thing, and this program quantifies that through data and 3rd party analysis.”

— Tom Wollan, AIA, LEED AP  
frk architects + engineers

### JOHNSTON COMMUNITY SCHOOL DISTRICT

The Johnston Community School District’s new high school was designed to be a model building for efficiency and advanced systems. Working with its design team, Perkins+Will, frk architects and Alvine Engineering, the District researched several different options, balancing first costs against long-term investments and student comfort. The project team turned to the Commercial New Construction program during the early design stages to provide estimates of energy costs savings and potential incentives for over 100 different energy efficiency strategies.

The implemented design included a multi-stack geothermal heat pump system, LED lights with automatic dimming daylighting controls and an efficient building envelope. The displacement ventilation system provides energy savings, excellent indoor air quality and quiet performance, all important features for student comfort and productivity. Annual energy costs were reduced by 63% when compared to a standard code-level high school. The District also received a one-time incentive from MidAmerican Energy, reducing the incremental first cost by 42%.

### LEARN MORE

- Watch the Commercial New Construction Program video: [midamericanenergy.com/cnc](http://midamericanenergy.com/cnc)
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