

# Iowa Cold Storage

## The Company:

Iowa Cold Storage is a premier provider of temperature-controlled warehousing, logistics and transportation for food products in the Midwestern United States. The company's 200,000 square foot facility is located on 19 acres of land in Altoona, Iowa. They are committed to operational efficiency, quality control, adaptability and to providing their customers with "the best value, the best access and the best service."

Now in addition to providing their customer's with convenient and reliable warehousing services, Iowa Cold Storage is focusing on reducing energy use, lowering energy costs and conserving resources for everyone.

## The Energy-Saving Challenge:

Iowa Cold Storage contacted SmartWatt Energy to perform a construction-grade energy audit and complete a value-engineered design of a new energy-efficient lighting system. SmartWatt Energy chose LED fixtures for the project, based on their superior performance in cold storage applications. Iowa Cold Storage's goals were to dramatically improve the quality and quantity of light, and to save energy.

## Smart Savings:

In addition to improved working conditions, Iowa Cold Storage will enjoy the following realized energy savings from this LED lighting upgrade project:

- Annual Energy Savings: **\$30,379**
- Annual Coincidence Cooling Savings: **\$7,472**

## Utility Incentive: **\$28,768**

## Green Impact:

This project has led to the equivalent reduction of:

- **577,889 pounds** of Carbon Dioxide

This project saved electricity and removed pollutants from the air and will have the same effect on the environment as planting 85 acres of trees or removing 55 vehicles from the road each year.

Source: EPA

## energy savings for a refrigerated & freezer warehouse



**Iowa Cold Storage**  
Refrigerated & Freezer Warehouse

Replacement of 328 Metal Halide lighting fixtures with energy-efficient LED lighting fixtures helped Iowa Cold Storage reduce lighting-related energy consumption by 71% at their Altoona, IA facility.

**ABOVE:** COLD STORAGE FACILITY  
AFTER LED LIGHTING UPGRADE

**RIGHT:** COLD STORAGE FACILITY  
AFTER LED LIGHTING UPGRADE

