



# Brownells saves big with optimized heating and cooling system

Brownells operates a 300,000 square foot warehouse and firearms store built in 2013 in Grinnell, Iowa. In 2017, the company implemented energy-saving strategies to manage costs. They began with a free *Energy Audit* from Alliant Energy, which revealed some of their systems were not functioning efficiently.

Brownells went on to participate in a *Retro-Commissioning Study*, which resulted in many benefits:

## Optimized heating and cooling systems

The office and retail areas now use state-of-the-art control algorithms to constantly make small adjustments to air speed and temperature while ensuring occupants stay comfortable with a minimum amount of energy.

## Reduced electrical demand

The warehouse reduces peak summer electrical demand through automatic controls and a user-friendly interface.

## Increased comfort

By reducing duct noise and draftiness, employees are more comfortable and it ensures high product quality through close monitoring of the warehouse environment.

*“While our goal was to improve the efficiency of our climate control system, we’re pleased that we could create a more stable, comfortable working environment for our employees.”*

Zane Maschmann  
Brownells  
Facilities Engineer

---

### Project snapshot

**\$47,662 (17%)**  
Annual energy savings

**659,879 (25%)**  
kWh saved per year

**26,991 (46%)**  
therms saved per year

## Learn more

Visit [alliantenergy.com/rcxstudy](http://alliantenergy.com/rcxstudy)  
or contact your key account manager.

