

# LED Retrofit Cuts Stores Electric Bill

**A** retrofit by a supermarket in Wisconsin that included a switch from fluorescent to LED lighting has resulted in a decrease in the store's electric bill by over \$1,000 a month.

Hussman, Bridgeton, Mo., retrofitted the store's 78 reach-in freezer and cooler cases to Always\*Bright LED lights.

"The owner couldn't be more pleased with the results," says Hussman. "The bright, even illumination of the LEDs has changed the appearance of the entire store, causing his sales to increase and electric costs to decrease in the first full month since the installation."

The store owner reports a 4% increase in his frozen food and dairy sales since installing the lights. He has also noticed significant energy savings since the LED installation. For example:

Case temperatures dropped by an average of three degrees.

Set points on the rack were raised from  $-30^{\circ}$  F to  $-20^{\circ}$  F while maintaining  $-10^{\circ}$  F in the frozen food cases.

Average savings per door is over \$13 per month in electrical costs.

Hussmann installed the LED retrofit on older reach-in cases, and notes that ROI on the retrofit will be approximately two years—even less if figuring in increased sales and profits.

Hussmann is a member of the US EPA GreenChill Advanced Refrigeration Partnership, a cooperative alliance with the supermarket industry to promote advanced technologies, strategies, and practices that reduce refrigerant charges and emissions of ozone-depleting substances and greenhouse gases.

Over the past several years, Hussmann has launched a number of energy- and refrigerant-saving products and is currently working to develop several next generation Green products to meet customer needs. Hussmann Green products include Protocol refrigeration systems, Innovator II doors, Always\*Bright LED lights, night curtains, Always\*Clear glass coating, energy-efficient fan motors and coils, microchannel condensers and

**BRIGHTER BUNNIES:** Hussman's retrofit put these Blue Bunny ice cream products in a better light.



others. For more information on Hussmann Green products, visit [www.hussman.com/alwaysgreen](http://www.hussman.com/alwaysgreen).

Hussmann is a part of Ingersoll Rand's Climate Control Technologies sector, which provides equipment and services to manage controlled-temperature environments for food and other temperature sensitive products. The sector encompasses both transport and stationary refrigeration solutions.

In addition to Hussmann, Ingersoll Rand product brands include Thermo King, a world leader in transport temperature control systems, and Trane, a leading manufacturer of air conditioning and heating systems. ■