

## **Project:**

**Whole Foods Market  
Town and Country, Missouri**

## **Background:**

Whole Foods is ranked #1 in the Top Ten Green Brands of 2007 by ImagePower Green Brands Survey and other major industry publications. The company has been named the 2006 and 2007 Green Power Partner of the Year by the Environmental Protection Agency. When Whole Foods needed a partner to help build an environmentally friendly supermarket and energy efficient refrigeration system, they turned to Hussmann.

Hussmann has been developing technologies that offer environmental benefits for over 15 years. Some of these technologies, like Innovator doors, LED lights and integrated night curtains, were developed to reduce energy use. Others, like the Protocol refrigeration system, help reduce refrigerant charge and leaks. Hussmann currently offers a variety of products and services that can have a significant impact in reducing emissions.

## **Solution:**

By using Hussmann refrigerated and frozen food display cases and Protocol distributed refrigeration systems, the new Whole Foods store will be able to cut greenhouse gas emissions by 22.5 million pounds and reduce energy usage by 30% each year.

Green products installed at the Whole Foods Town and Country, MO store include:

### **Hussmann Protocol Refrigeration System**

Protocol is a distributed refrigeration system used throughout the store to lower energy use and reduce the possibility of refrigerant leaks, making it more sustainable than a central refrigeration design.

### **Hussmann LED Lights on Reach-In Display Cases**

Hussmann Always\*Bright LED lights on reach-in cases use 51% less energy than fluorescent lamps and provide more even illumination and brighter, better color.

### **Hussmann Integrated Night Curtains**

Night curtains are used on open multi-deck display cases to save energy when the store is closed. The curtains are integrated into the case canopies and concealed when not in use.



### **Husmann Innovator Doors on Reach-In Display Cases**

Advanced insulation and no anti-sweat heat features on Husmann's Innovator doors provide 20% energy savings.

### **Energy Efficient Fan Motors & E-Plus Coils**

Husmann refrigerated and frozen food display cases have energy savings built-in by using efficient fan motors and E-plus coils.

Non-Husmann green technologies applied at the Town and Country store include recycled barn lumber, bamboo hardwoods, cork flooring, water flow sensors, energy efficient ceiling fans, dehumidifying air conditioners, sustainable electric hand dryers and solar-powered compactors.

Whole Foods Town and Country is also using Husmann installation, service and maintenance to ensure maximum environmental benefits at the time of start-up and throughout the life of the equipment.

For more specific information of how these products benefit Whole Foods, see the chart below.

### **Husmann Green Total Store Savings Whole Foods Town & Country**

Product		CO <sub>2</sub> Lbs/Yr Savings		Equivalent Cars Removed From Road for 1 Year		Equivalent Acres of Trees Planted
Energy Efficient Fan Motors		201672		19.0		31.3
Integrated Night Curtains		170024		16.0		26.4
Innovator Doors		94292		8.9		14.6
E-Plus Energy Efficient Coils		165728		15.6		25.7
Excel Frozen Food Islands		43871		4.1		6.8
LED Lights for Reach-Ins		27456		2.6		4.3
<b>Sub-Total Savings</b>		<b>703043</b>		<b>66.3</b>		<b>109.1</b>
	Lbs Refrigerant Savings/Yr.	Equivalent CO <sub>2</sub> Savings in Lbs		Equivalent Cars Removed From Road for 1 Year		Equivalent Acres of Trees Planted
Protocol Refrigeration	475.2	1549152		146		240
<b>Total Husmann Green Advantage</b>		<b>2252195</b>		<b>213</b>		<b>349</b>