



# Hill PHOENIX

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A DOVER<sup>™</sup> COMPANY

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## **For Immediate Release**

### **HILL PHOENIX JOINS U.S. EPA'S GREENCHILL PARTNERSHIP**

CONYERS, Ga., Oct. 8, 2007 – Hill PHOENIX Inc., a Dover Company, has joined the U.S. environmental Protection Agency's new GreenChill Advanced Refrigeration Partnership, an initiative through which companies pledge to go above and beyond regulatory requirements in protecting the ozone layer and reducing greenhouse gas emissions.

"By joining The GreenChill Partnership, Hill PHOENIX has made a strong commitment to implementing sustainable business practices," says Ray Hoglund, president and CEO of Hill PHOENIX. "We are pledging to provide the most energy-efficient and ecologically friendly products possible to our retailers."

GreenChill is an Environmental Protection Agency (EPA) cooperative alliance with supermarkets and chemical and refrigeration equipment manufacturers. The alliance is dedicated to promoting the use of retail food refrigeration technologies that reduce emissions of ozone-depleting substances (ODS) and greenhouse gases (GHGs) by both reducing refrigerant emissions and increasing refrigeration system energy efficiency.

The program also asks supermarket partners to make several important commitments that go beyond regulatory compliance:

- Establish a refrigerant inventory and set emissions reduction targets;
- Only use ozone-friendly alternatives and advanced refrigeration technologies in all new and remodeled stores;
- Collaborate across the industry to identify service and operational practices that reduce emissions;
- Participate in an industry/government research initiative to assess the performance of cutting-edge "green" technologies in terms of energy efficiency, reduction of refrigerant charge and minimization of refrigerant leaks.

The EPA estimates that widespread adoption of best practices, improved equipment design and service, and advanced refrigeration technologies could reduce refrigerant emissions by 1 million metric tons of carbon equivalent per year, which is the equivalent of taking 800,000 automobiles off the road, and save over \$12 million in operating expenses.

“Hill PHOENIX is at the forefront of innovative technologies that advance the environmental and energy performance of commercial refrigeration. These technologies are part of the foundation for supermarkets to significantly reduce greenhouse gases emissions while meeting market demands, “ says Jeff Cohen, manager of the U.S. EPA's Alternatives and Emissions Reductions program. “We are excited that Hill PHOENIX is bringing their expertise and leadership to the GreenChill partnership. Along with our other partners, Hill PHOENIX will help GreenChill raise the bar for the entire supermarket industry.”

Approximately 34,000 United States supermarkets use HCFC-22, an ODS and GHS, as their primary refrigerant. In 2010, production of HCFC-22 for use in new equipment in the United States will be phased out, and in 2020, servicing HCFC-22 equipment will stop. The GreenChill Partnership allows the industry to prepare for this regulatory change as well as to prepare for future leak repair regulations.

The first refrigeration equipment manufacturer to join the partnership, Hill PHOENIX will have access to the latest information on ozone-friendly alternative refrigerants and improved technology and servicing practices that will help reduce refrigerant leak rates and emissions. The company will also have the opportunity to network with other partners to continue to assess environmental best practices for the industry.

For more information about The GreenChill Advanced Refrigeration Partnership, visit [www.epa.gov/ozone/downloads/GreenChillFlyer.pdf](http://www.epa.gov/ozone/downloads/GreenChillFlyer.pdf).

Hill PHOENIX Inc., a Dover Company, is a leading designer and manufacturer of commercial refrigerated display merchandisers, refrigeration systems, integrated power distribution systems, and walk-in coolers/freezers. The company is based in Conyers, Ga.

For more information, visit [www.hillphoenix.com](http://www.hillphoenix.com) or call 800-283-1109.



# The GreenChill Advanced Refrigeration Partnership



## What is EPA's GreenChill Advanced Refrigeration Partnership?

GreenChill is an EPA cooperative alliance with the supermarket industry and other stakeholders to promote the adoption of technologies, strategies, and practices that reduce emissions of ozone-depleting substances (ODS) and greenhouse gases (GHGs) and increase refrigeration system energy efficiency.

The GreenChill Partnership provides information-sharing and other assistance to facilitate compliance with existing ODS and refrigerant leak rate regulations. The 2010 phasedown of certain hydrochlorofluorocarbons (HCFCs), especially HCFC-22, marks a major step in the transition to alternative refrigerants and an opportunity to use improved technologies for supermarkets. Because many alternative refrigerants are GHGs (e.g., hydrofluorocarbons – HFCs), it is important during this transition to consider reducing emissions of all refrigerants, not just ODS.

## What are the GreenChill Partnership Goals?

The goals of the GreenChill Partnership are to provide supermarkets and organizations supporting this industry with information and assistance to:

Transition to non-ODS refrigerants.

Reduce both ODS and non-ODS refrigerant emissions.

Promote supermarkets' adoption of alternative refrigeration technologies that offer qualities such as:

- Reduced ODS/GHG emissions (e.g., reduced refrigerant charges and leak rates)
- Potential for improved energy efficiency
- Reduced maintenance and refrigerant costs
- Extended shelf life of perishable food products
- Improved system design, operations, and maintenance.

Reduce the total impact of supermarkets on ozone depletion and global warming.

## Who can Join GreenChill?

The GreenChill Partnership includes members from a number of sectors related to supermarket refrigeration, including retailers, chemical companies, and equipment manufacturers. Networking opportunities include a variety of other groups such as food and beverage manufacturers, trade organizations, and store designers. Partners join by agreeing to work toward attaining the GreenChill goals and completing a Partnership Agreement with EPA.

### Regulatory Context

The majority of the approximately 34,000 supermarkets in the U.S. use HCFC-22, an ODS and GHG, as their primary refrigerant.

Production of HCFC-22 for use in new equipment in the U.S. will be phased out on January 1, 2010. Limited production to service existing refrigeration equipment will be allowed until 2020.

Owners of commercial refrigeration equipment that leaks more than 35% of its ODS refrigerant charge in a year are subject to mandatory leak repair time lines and record-keeping requirements. These regulatory requirements may include equipment retirement or conversion to non-ODS refrigerants.



### Benefits of the GreenChill Partnership

Potential annual industry-wide GHG emission reductions of 4 million tons of CO<sub>2</sub>. This is equivalent to removing 800,000 cars from roads.

Potential annual industry-wide savings of over \$12 million from reduced refrigerant costs.

Access to the latest information on ozone-friendly alternative refrigerants, improved technology, and servicing practices that help reduce refrigerant leak rates and emissions.

Tools to assist with attaining corporate environmental stewardship and sustainability goals.

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## Why Join the GreenChill Partnership?

Under the current regulatory framework, a switch from ODS to non-ODS refrigerants is a logical consideration when remodeling or constructing a new store. While it is currently legal to run existing equipment indefinitely, HCFC-22 refrigerant production for servicing that equipment will stop by 2020. The GreenChill Partnership presents an opportunity to prepare for this and other deadlines, prepare for future leak repair regulations, and be recognized for efforts to take steps above and beyond actions required under the Clean Air Act. Benefits of the GreenChill Partnership include:

**Opportunities for information sharing among partners.** This could include best practices for the implementation of alternative refrigerants and alternative refrigeration technologies such as secondary loop and distributed refrigeration systems.

**Benchmarking and recognition/awards.** A benchmarking system will allow partners to evaluate their progress toward partnership goals in relation to their peers. Awards will be given to recognize outstanding achievements by partners.

**Publicity, marketing, and outreach.** Partners will gain access to a variety of marketing materials to highlight their participation and achievements of setting and meeting GreenChill Partnership, environmental stewardship and sustainability goals.

**Networking opportunities.** The GreenChill Partnership will facilitate interactions between supermarkets, various vendors, and other stakeholders allowing partners to identify and assess options in commercial refrigeration products and practices.

**Environmental benefits.** The Partnership will benefit the environment by reducing emissions of ODS and GHGs and the impact of supermarket refrigeration systems on ozone depletion and global warming.

## What is EPA's Role in the GreenChill Partnership?

The specific roles that EPA provides will vary according to the type of GreenChill partner. Overall roles and responsibilities include the following:

**Supporting the transition to non-ODS refrigerants and new technologies** by promoting research on alternative refrigeration technologies.

**Facilitating information-sharing** among partners to develop best practices as stores move to non-ODS refrigerants and alternative refrigeration technologies.

**Ensuring confidentiality** of all partner information.

**Providing opportunities to recognize and promote** both partners' participation and the GreenChill Partnership's achievements to a broad audience.