



U.S. EPA's GreenChill Partnership 10 Years of Progress

GreenChill is a U.S. Environmental Protection Agency (EPA) partnership with supermarkets to reduce refrigerant emissions and decrease their impact on the environment. GreenChill brings together stakeholders to share industry-relevant information and best practices, and support supermarkets' efforts to reduce refrigerant emissions. GreenChill activities occur through three programs:

- the **Corporate Emissions Reduction Program**,
- the **Store Certification Program**, and
- the **Advanced Refrigeration Program**.

★ Platinum Level GreenChill-Certified Store
 ☆ Gold Level GreenChill-Certified Store
 ☆ Silver Level GreenChill-Certified Store
 ● Partner Store

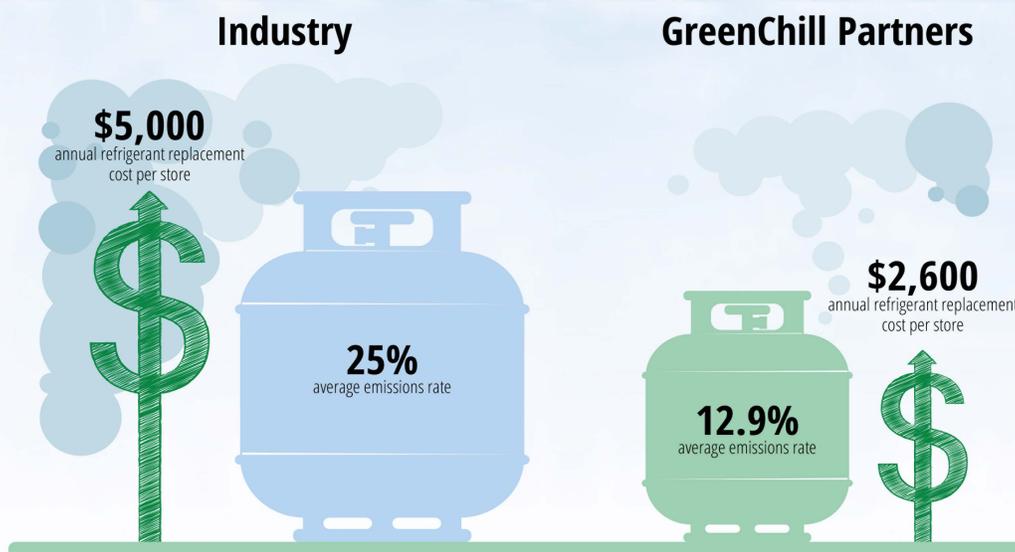
Participating brands and logos include: CO-OP FOOD STORES, MANOVER CO-OP FOOD STORES, Buehler's Fresh Foods, HyVee, Publix, BGC BROOKSHIRE GROCERY COMPANY, Cub FOODS, COOK COUNTY WholeFoods CO-OP, SHOPPERS Food & Pharmacy, PCC COMMUNITY MARKETS, build a better future, Target, FOOD LION, COBORN'S INC. est. 1921 employee owned, City Market Orion River Coop, meijer, Hornbacher's, ARKEMA, Dow, ZERO ZONE, CARNOT REFRIGERATION, KYSOR/WARREN, Harris Teeter, STATER BROS. MARKET, WHOLE FOODS MARKET, Honeywell, Chemours, HUSSMANN, RALEY'S Family of Fine Stores, BEL AIR NOB HILL FOOD SOURCE, Down to Earth ALL VEGETARIAN Organic & Natural, MEXICHEM FLUOR, National Refrigerants, Inc., Farm Fresh Food & Pharmacy, Kroger, BJ's WHOLESALE CLUB, Food co-op PORT TOWNSEND EST. 1972, ROUNDY'S, GIANT EAGLE, SPROUTS FARMERS MARKET, SUPERVALU, Lucky, ALDI, Hannaford, Shop'n Save, King Kullen, weis, Price Chopper, arneg, HILLPHOENIX, and LMP.

Corporate Emissions Reduction Program

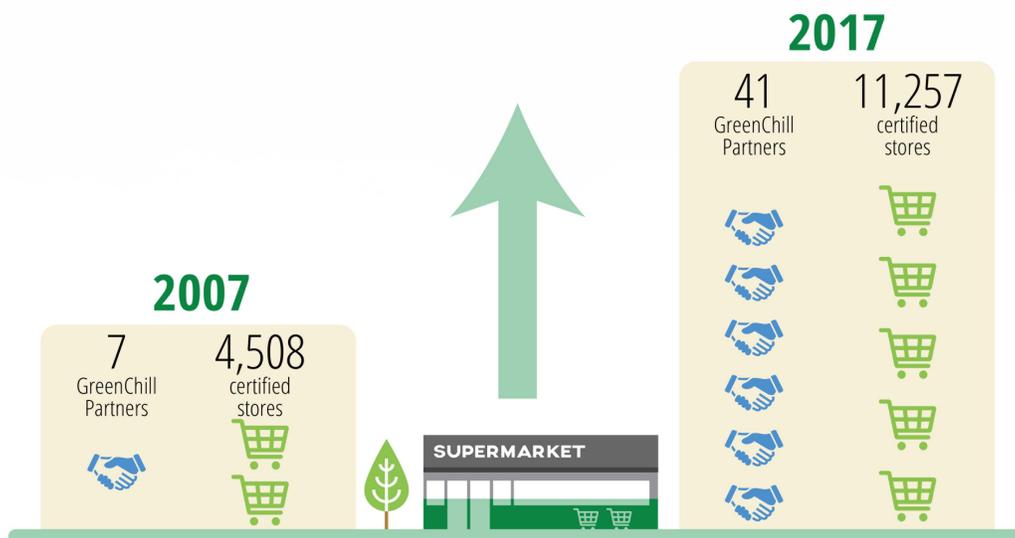
Supermarket companies that become **GreenChill Partners** set annual emissions reduction goals and report their progress to EPA every year. Partners participate in information-sharing roundtables, educational **webinars**, and development of technical **guidance**. GreenChill activities support better refrigeration management and transitions to advanced refrigeration technologies. GreenChill Partners have observed notable achievements.

I use GreenChill as the primary motivator to lower leak rates. We would attempt to lower them on our own, but having the backing of an EPA program helps our cause.

Jon Scanlan, Hy-Vee



A GROWING SUPERMARKET PARTNERSHIP



Store Certification Program

Individual stores can earn **GreenChill's silver, gold, or platinum certification** by achieving specific environmental performance criteria. **GreenChill-certified stores** use less refrigerant and minimize refrigerant leaks. The number of GreenChill-certified stores is growing, reaching a record 246 certified stores in 2017.

GreenChill has helped tremendously in providing data and motivation to reduce emissions substantially and continue to improve.

Lance Durr, Stater Bros.



20%

of stores certified in 2017 were certified at the **PLATINUM LEVEL**, meeting the most stringent criteria.

46

stores have been certified for 5 or more years.



Advanced Refrigeration Program

GreenChill's **Advanced Refrigeration Program** provides the supermarket industry with up-to-date information. GreenChill has hosted over 85 **webinars** on a variety of topics with thousands of participants. GreenChill's **tools, calculators, and guidelines** help industry partners assess the financial and environmental impacts of refrigerant leaks and identify best practices.

The GreenChill Partnership provides a great forum for industry professionals to discuss the challenges to reducing both the ozone depletion potential and global warming potential of installed refrigerants.

Wayne Rosa, Food Lion



THE GREENCHILL PARTNERSHIP
Financial Impact Calculator - The Cost of Refrigerant Leaks*

1) Cost to Replace Leaked Refrigerant		2) Sales/Profit	
1. Refrigerant type:	R-404A	1. Item to be sold (milk, frozen peas, hotdogs, etc.):	milk
2. Amount of refrigerant leaked (in pounds):	100	2. Units (gallons, pounds, packs, ounces, etc.):	gallons
3. Price per pound that you pay for refrigerant:	\$6.82	3. Sales price per unit:	\$3.50
		4. Profit margin per unit sold (in percent):	1.00
Cost to replace leaked refrigerant: \$682		You have to sell 19,514 gallons of milk to pay the replacement cost of 100 pounds of refrigerant	

*This calculator deals solely with refrigerant replacement costs. There are, of course, other costs incurred due to refrigerant leaks, such as service technician costs for parts and labor, costs due to decreased in energy efficiency when the refrigeration system is not properly charged, and food spoilage costs.

For more information visit [The GreenChill website](http://TheGreenChill.com).

