

Energy & Store
Development Conference

2014
E+SD

September 7-10, 2014
St. Louis Union Station Hotel
St. Louis, MO



THE VOICE OF FOOD RETAIL 

GreenChill Achievement Awards



Tom Land, U.S. EPA



THE **GREENCHILL** PARTNERSHIP

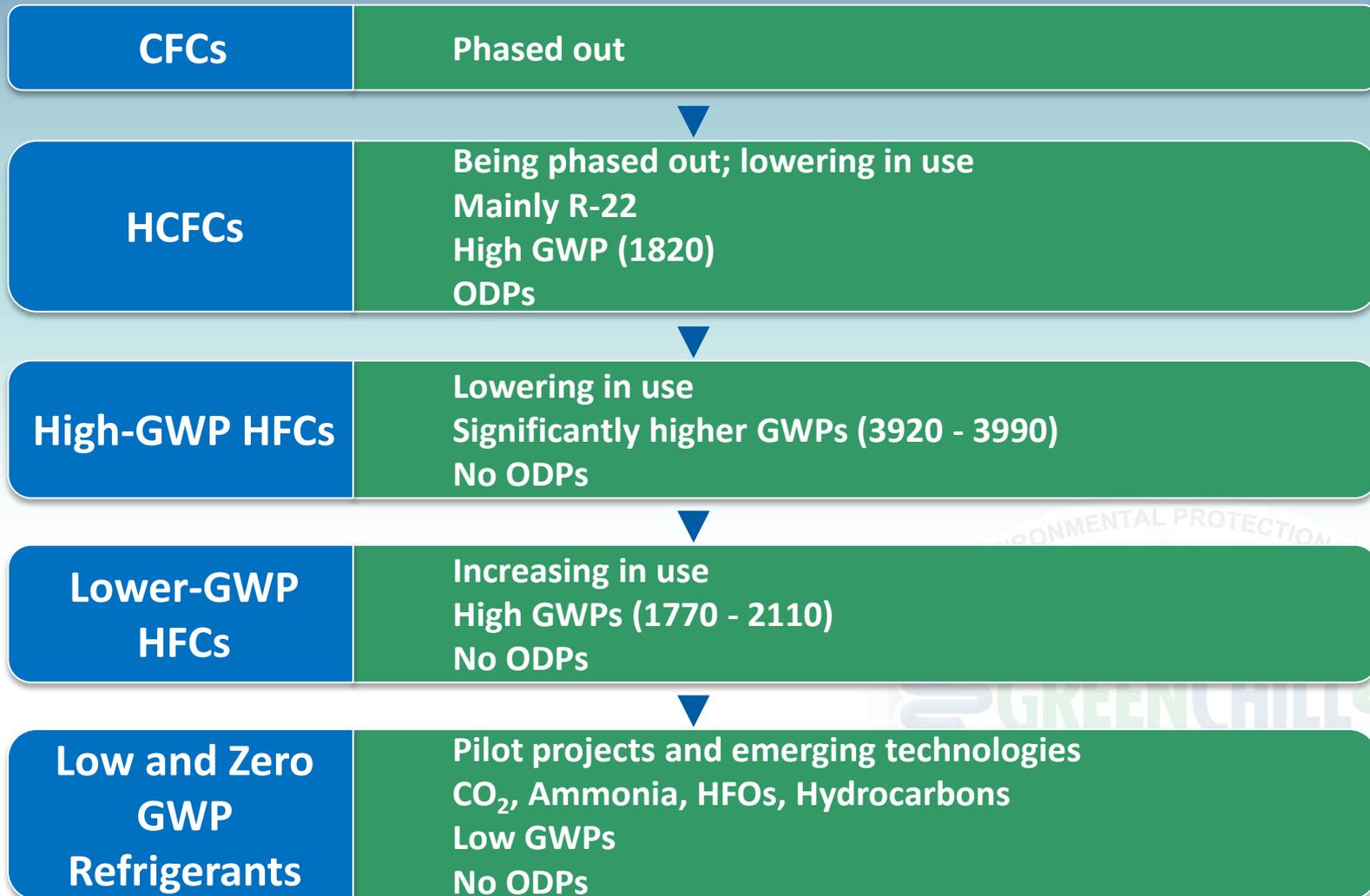


GreenChill Update

GREENCHILL UPDATE

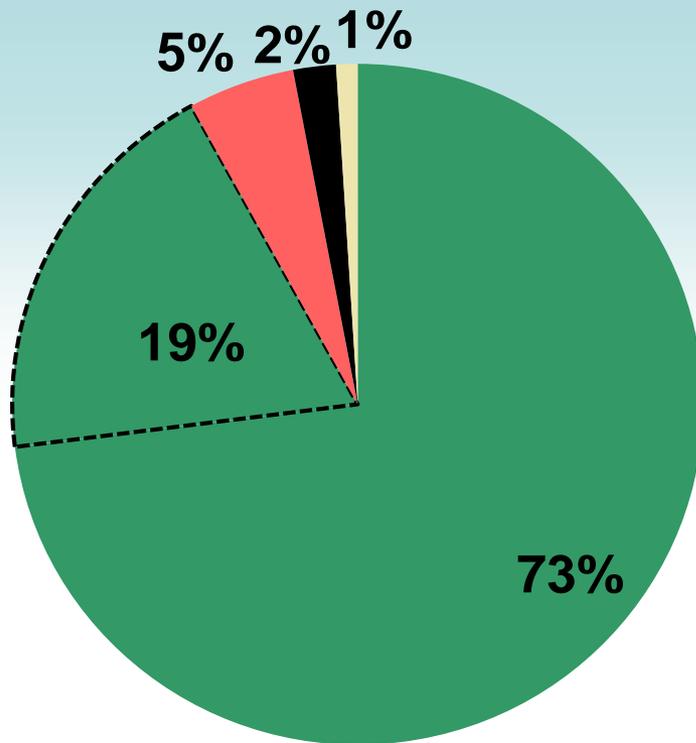


A Changing Industry



Market Analysis: Supermarket Industry Structure

Annual Profile – Based on Number of Stores in
Categories



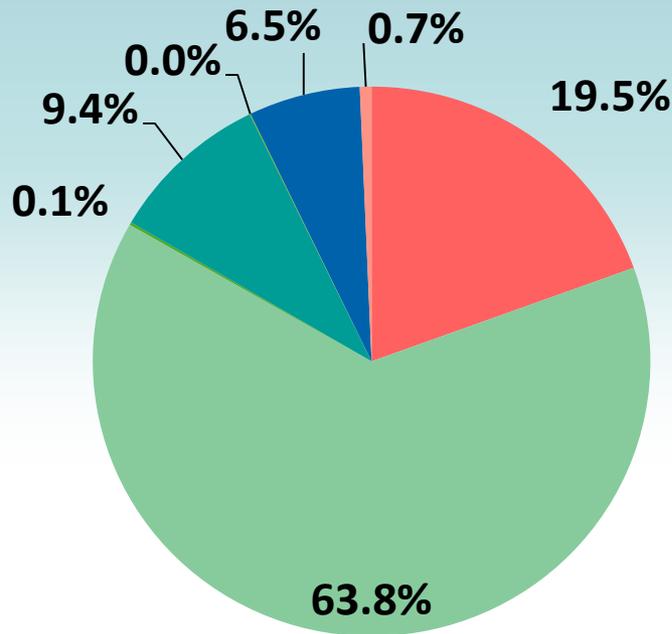
- Operating Stores
- GreenChill Stores
- Retrofitted Stores
- New Stores
- Closed Stores



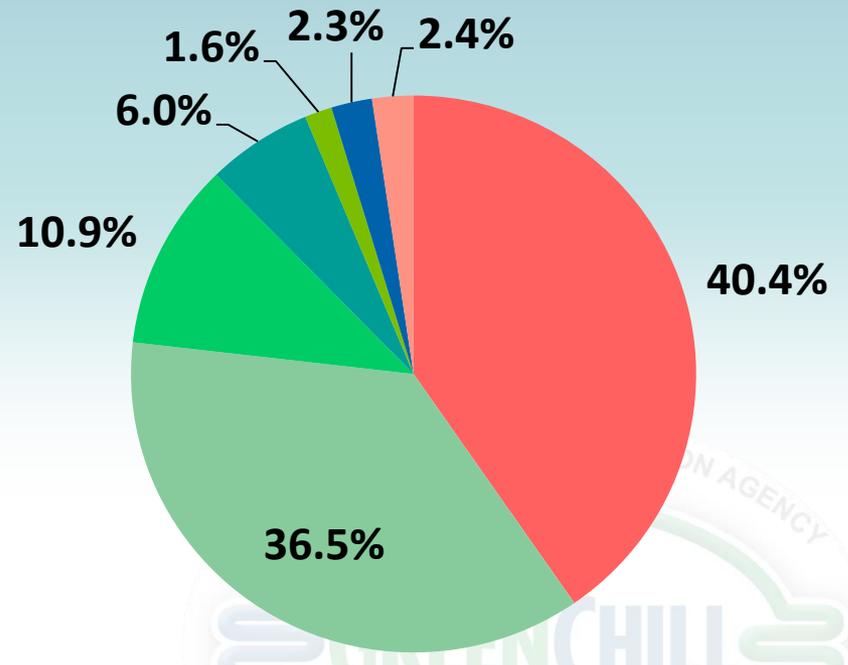
Partnership Installed Refrigerants

(Commercial Systems)

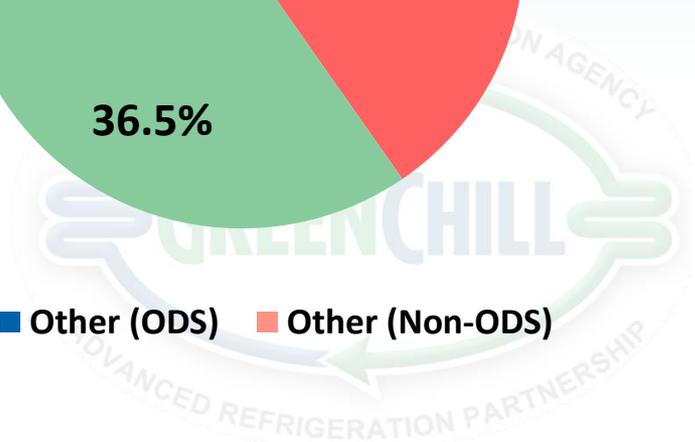
2007



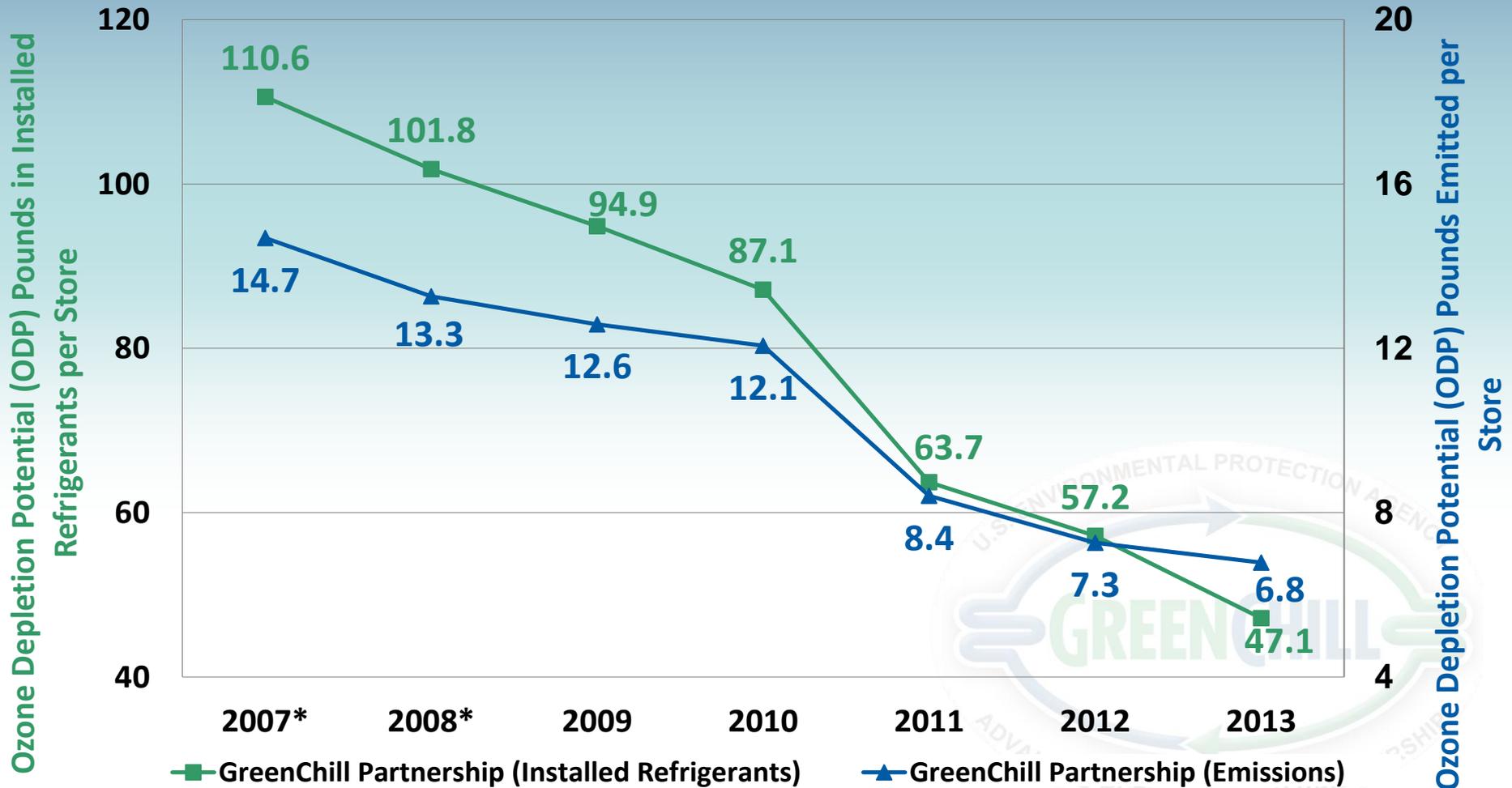
2013



R-404A R-22 (ODS) R-407A R-507A R-422D Other (ODS) Other (Non-ODS)

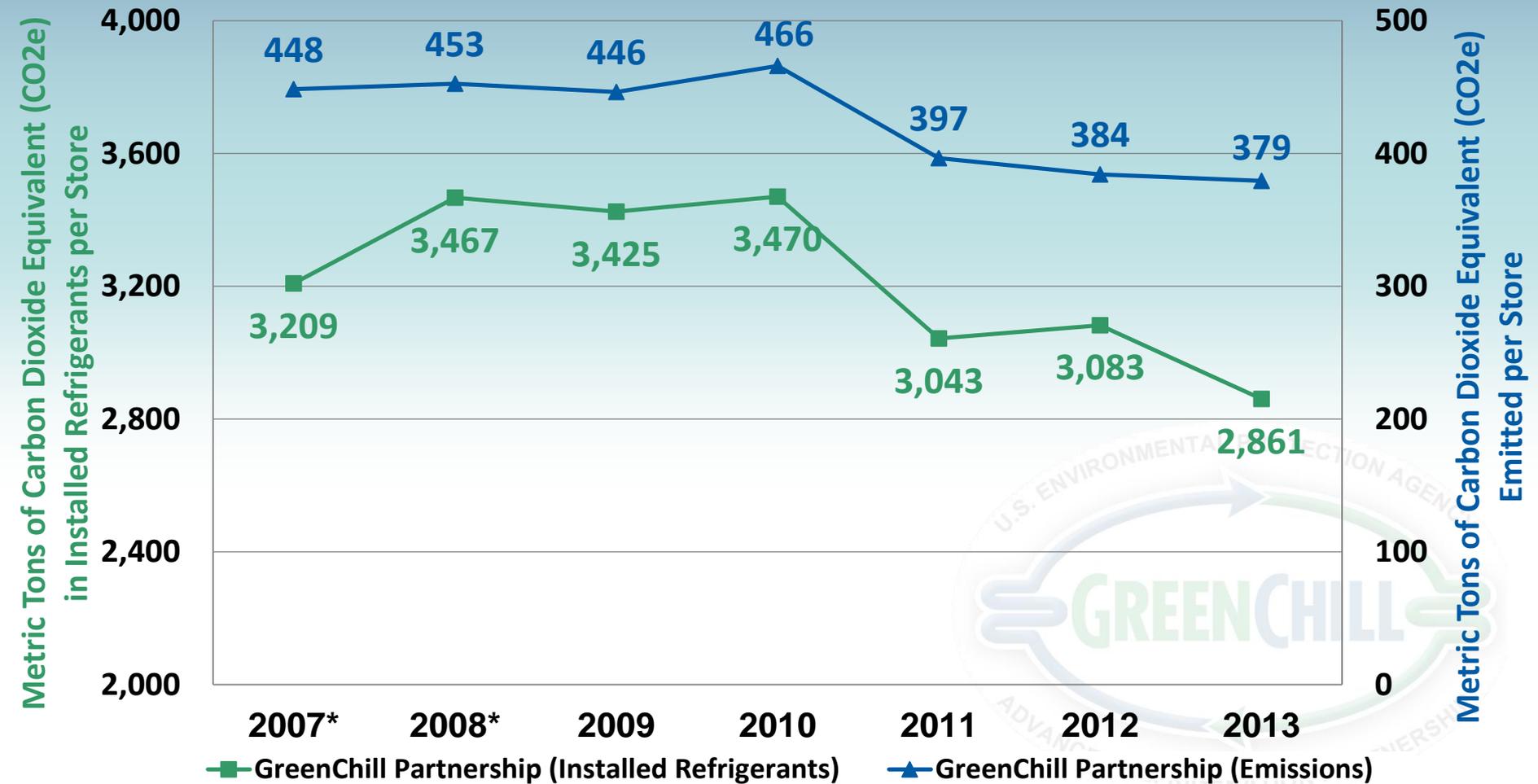


Average Ozone Layer Impact per Store (Commercial Systems)

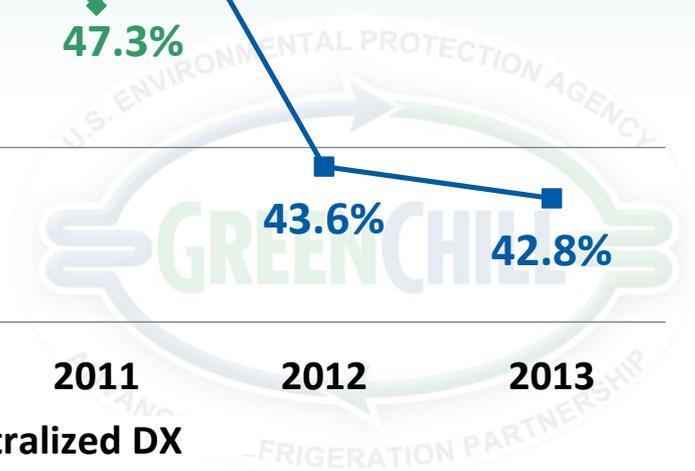
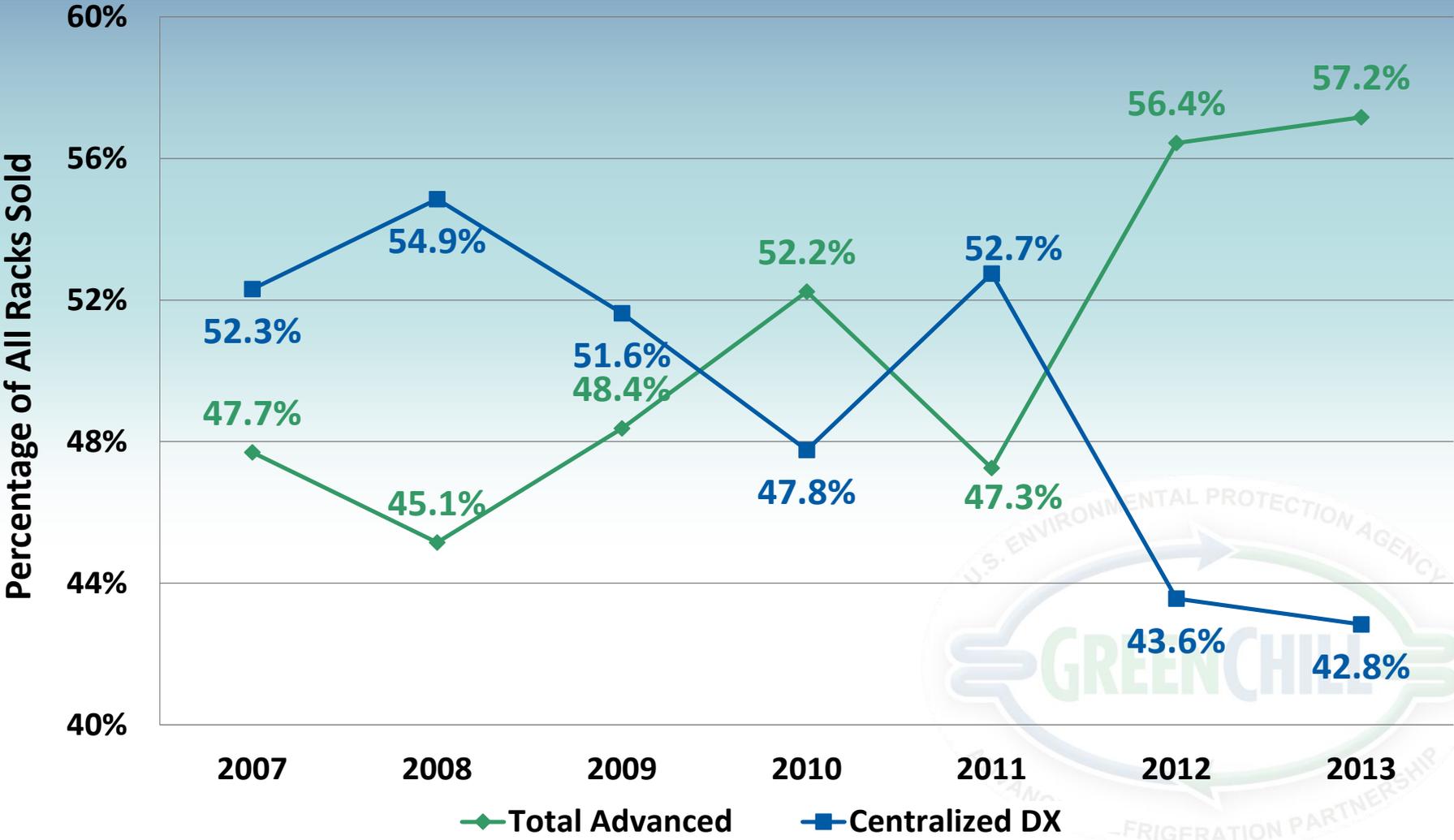


Average Climate Impact per Store

(Commercial Systems)



Advanced and Centralized DX Racks Sold



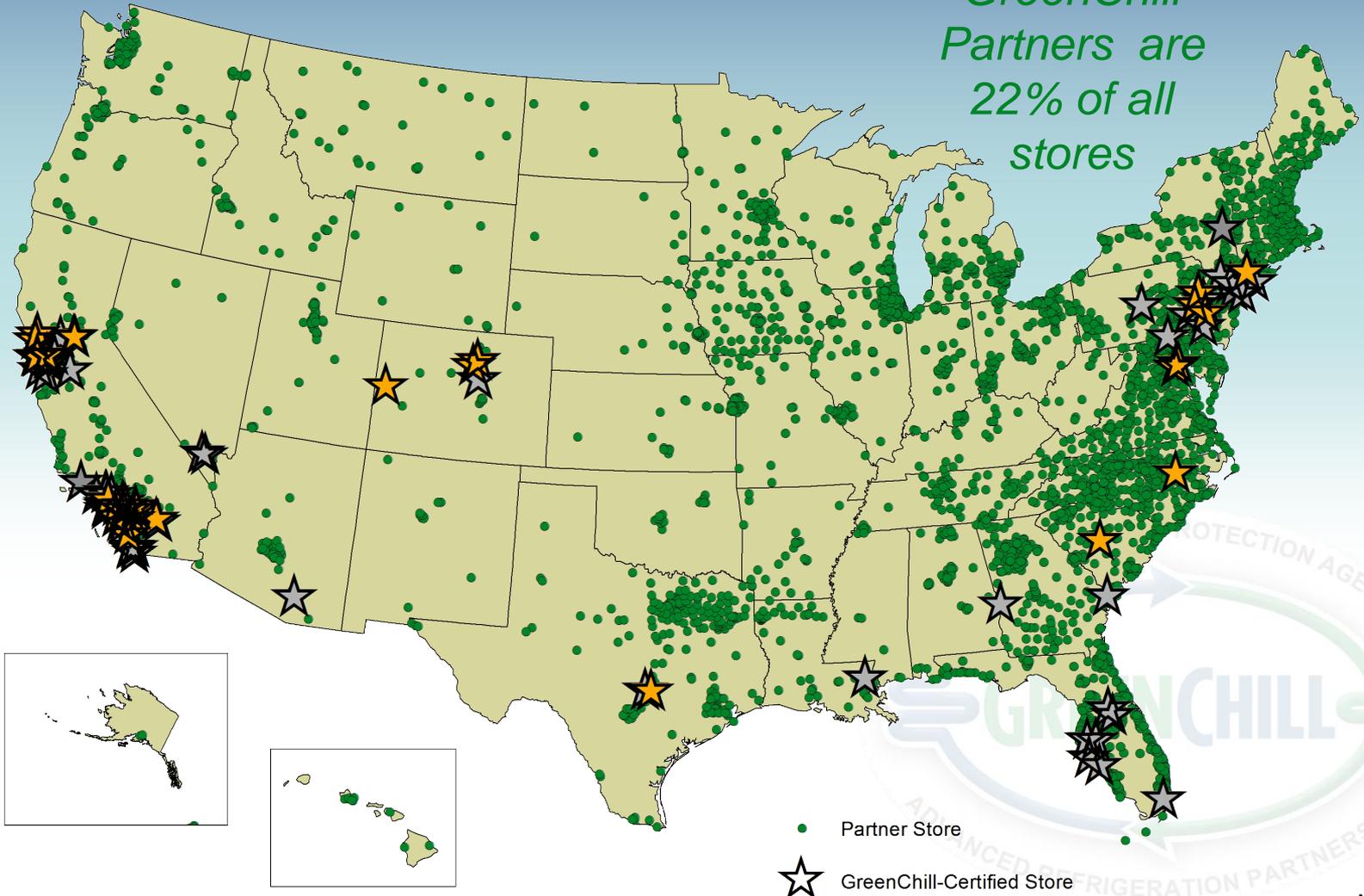
GreenChill Effect

- ▶ **Now, in the USA, five CO₂ transcritical refrigeration systems in food retail (more coming)**
 - ▶ Four applied for and were awarded GreenChill platinum store certifications
 - ▶ And ... more than 35 stores in Canada awarded GreenChill platinum certifications
- ▶ **Of 23 GreenChill Partners reporting in 2013:**
 - ▶ 13 companies have leak rates below the GreenChill 2013 weighted average of 13.5%
 - ▶ 7 partners achieved their emission goals in 2012 and in 2013
 - ▶ 5 partners have lowered their emissions in each of the past 3 years!!!



GreenChill Partnership

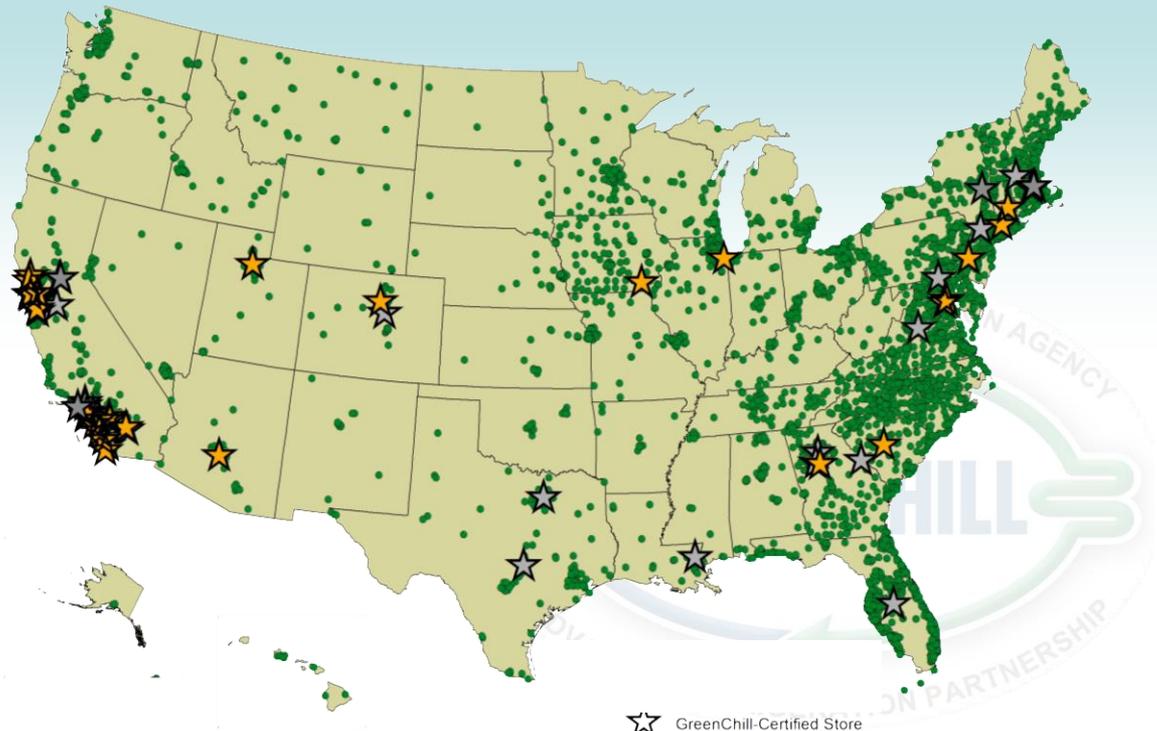
*GreenChill
Partners are
22% of all
stores*



Industry Potential

- ▶ If every U.S. supermarket met GreenChill benchmarks, the supermarket industry would:
 - ▶ Reduce emissions by 22 MMTCO₂eq & 238 ODP tons
 - ▶ Save \$100,000,000 in reduced refrigerant replacement costs... annually

- ★ Platinum-Level Certification
- ★ Gold-Level Certification
- ★ Silver-Level Certification
- GreenChill Partner Store



Encouraging Store Re-certifications

New GreenChill store certification plaque

- ▶ Lower cost
- ▶ Each re-certification is noted on the plaque
- ▶ Get recognition for maintaining a low leak rate
- ▶ An “addendum plaque” is available now for past certifications, and will be available for a store’s 10th re-certification ... and for years beyond





THE GREENCHILL PARTNERSHIP



Award Winners





THE GREENCHILL PARTNERSHIP



Superior Goal Achievement

SUPERIOR GOAL ACHIEVEMENT



Superior Goal Achievement

- ▶ Partners achieve their 2013 goal for reducing refrigerant emissions
- ▶ 7 Partners
- ▶ Challenging goals



Superior Goal Achievement



BGC
BROOKSHIRE
G R O C E R Y C O M P A N Y





THE GREENCHILL PARTNERSHIP



Exceptional Goal Achievement



Exceptional Goal Achievement

- ▶ Partners that achieve their 2013 “stretch” goal to further reduce refrigerant emissions
- ▶ 1 Partner achieved their “stretch” goal to further lower their emission rate



Exceptional Goal Achievement





THE GREENCHILL PARTNERSHIP



Most Improved Emissions Rate



Most Improved Emissions Rate

- ▶ Most improved emission rate over the past year
 - ▶ When compared to last year's, and
 - ▶ When compared to the company's baseline emission rate when joined GreenChill Partnership
- ▶ Achieved an incredibly low corporate emission rate



Most Improved Emissions Rate

Buehler's
Fresh Foods





THE GREENCHILL PARTNERSHIP



Best Emissions Rate

BEST EMISSIONS RATE



Best Emissions Rate

- ▶ The lowest corporate-wide refrigerant emissions rate of all the Partners (all sources)
- ▶ Achieved an incredibly low corporate emission rate



Best Emissions Rate





THE GREENCHILL PARTNERSHIP



Best of the Best

Best Certified Store

Best of the Best



Best of the Best

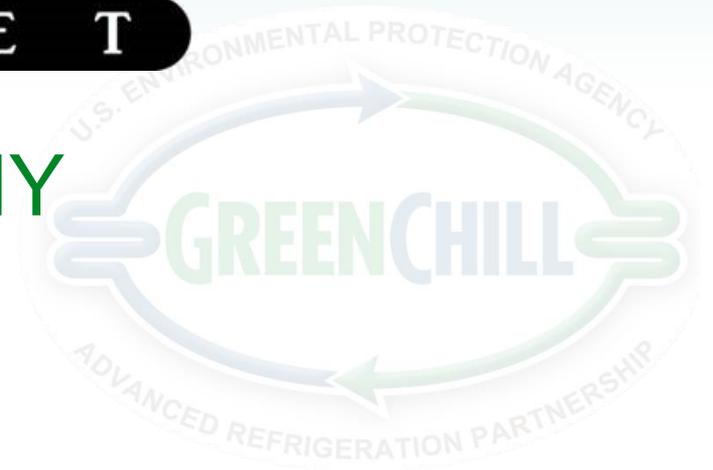
- ▶ Best GreenChill Certified Store
- ▶ CO₂ transcritical refrigeration system



Best of the Best



Brooklyn, NY





THE GREENCHILL PARTNERSHIP



Store Certification Excellence

Most GreenChill-Certified Stores



Store Certification Excellence

- ▶ The supermarket companies with the most GreenChill store certifications in the past year
 - ▶ 27 store certifications
 - ▶ 26 store certifications
 - ▶ Last year's winner achieved just 15 certifications

- ▶ The systems manufacturer with the most GreenChill store certifications in the past year
 - ▶ 67 store certifications
 - ▶ 41 last year



Store Certification Excellence





THE **GREENCHILL** PARTNERSHIP



Store Re-Certification Excellence

Consecutive Re-Certifications

STORE RE-CERTIFICATION



Store Re-Certification Excellence

- ▶ Second time for this award
- ▶ GreenChill store certification 5 consecutive years
- ▶ Five store winners



Store Re-Certification Excellence

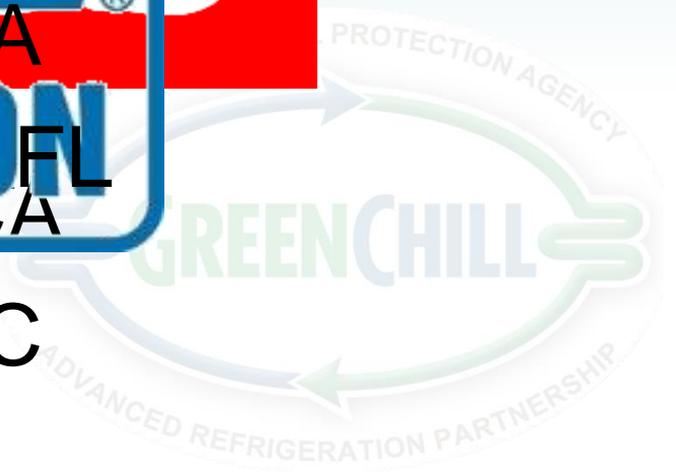


Suwanee, GA

Winter Haven, FL

San Diego, CA

Columbia, SC





THE GREENCHILL PARTNERSHIP



Distinguished Partner



Distinguished Partner

- ▶ Extraordinary leadership and initiative to further the GreenChill mission in the past year
- ▶ One award for a supermarket partner



Distinguished Partner

Raleys SINCE 1958



Thank You

- ▶ Laurie Gethin, FMI
- ▶ Ted Gartland, E.Gartland & Associates
- ▶ Emily Nebuloni, Hussmann
- ▶ and the Food Marketing Institute (FMI)



For more information on today's GreenChill awards and winners visit www2.epa.gov/greenchill