

# Energy & Store Development Conference

# E+Scd 2014

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



THE VOICE OF FOOD RETAIL 

September 8, 2014

# GreenChill Achievement Awards



**Tom Land, U.S. EPA**

# THE GREENCHILL PARTNERSHIP

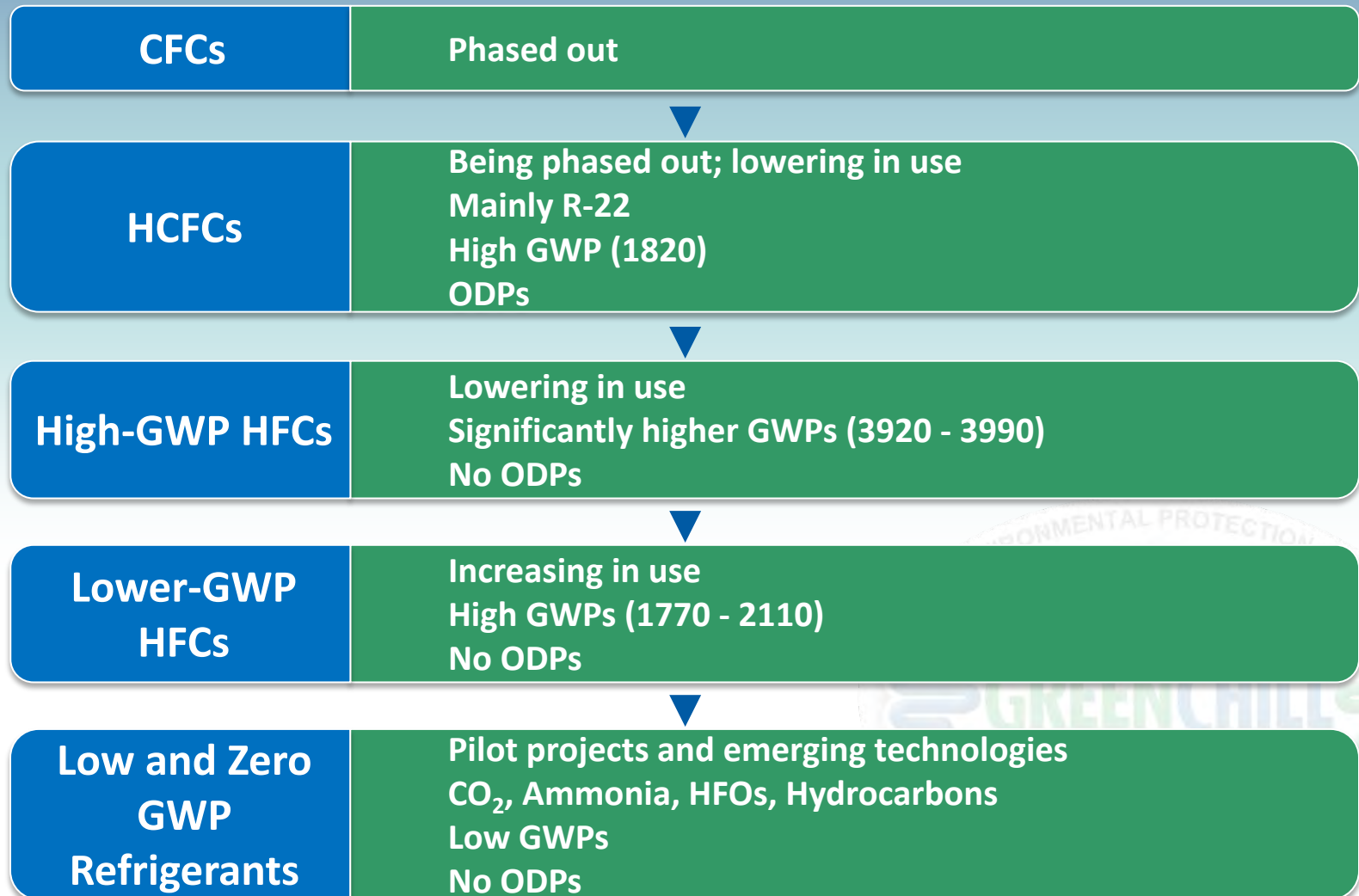


## GreenChill Update

GREENCHILL UPDATE

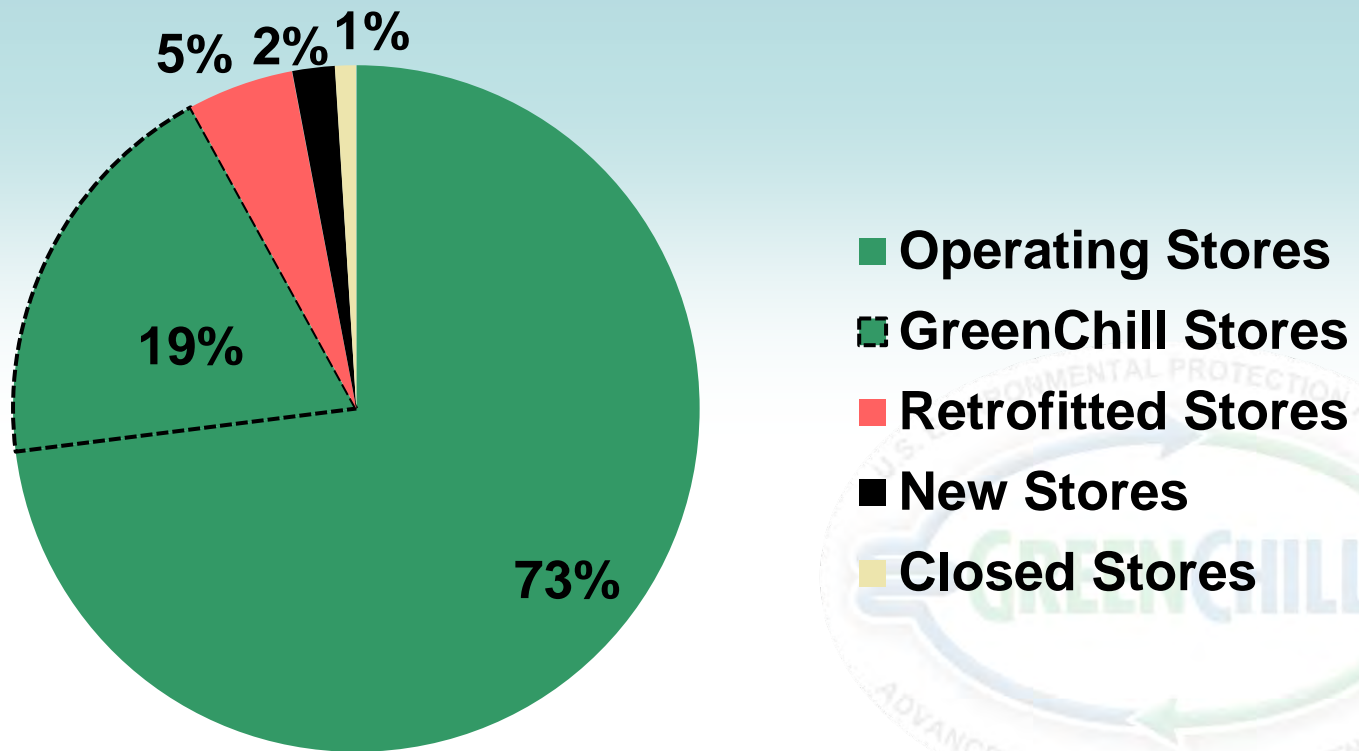


# A Changing Industry



# Market Analysis: Supermarket Industry Structure

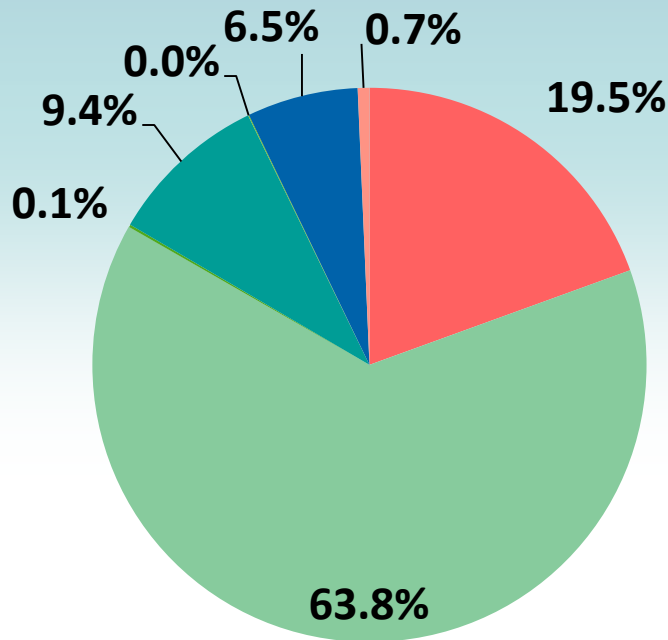
**Annual Profile – Based on Number of Stores in Categories**



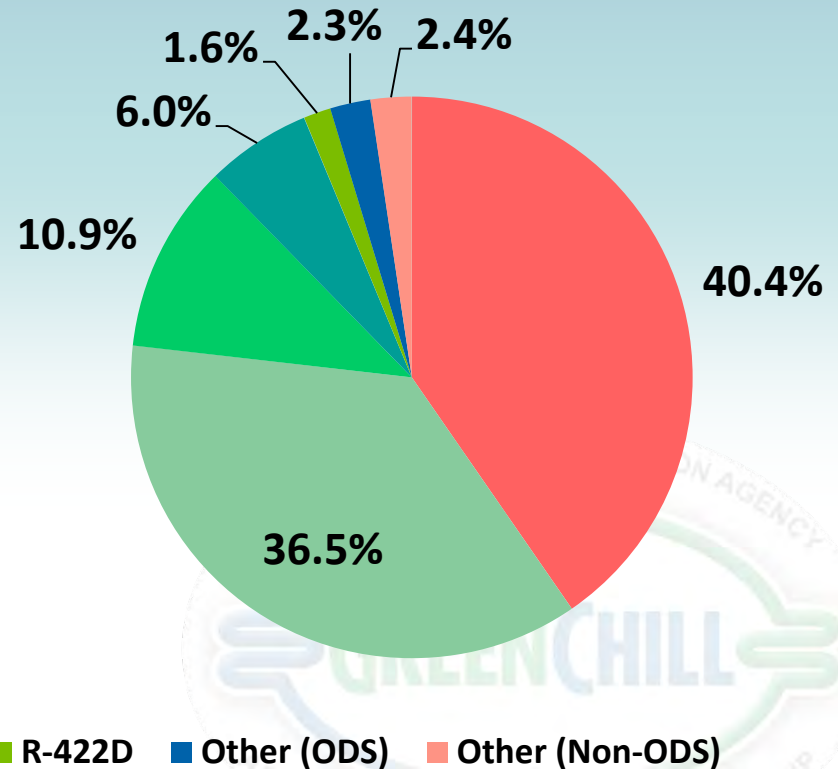
# Partnership Installed Refrigerants

(Commercial Systems)

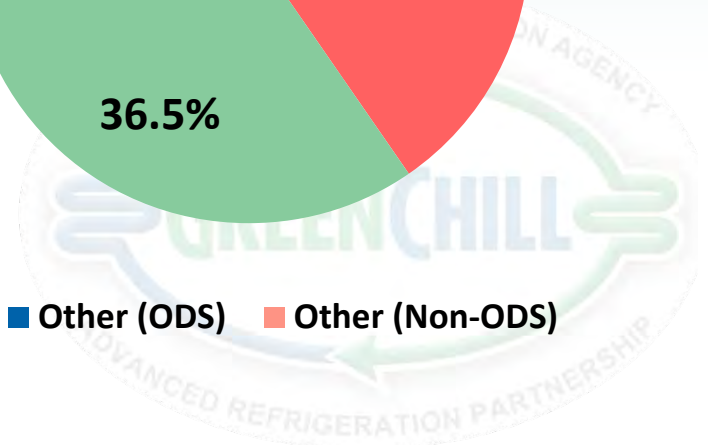
**2007**



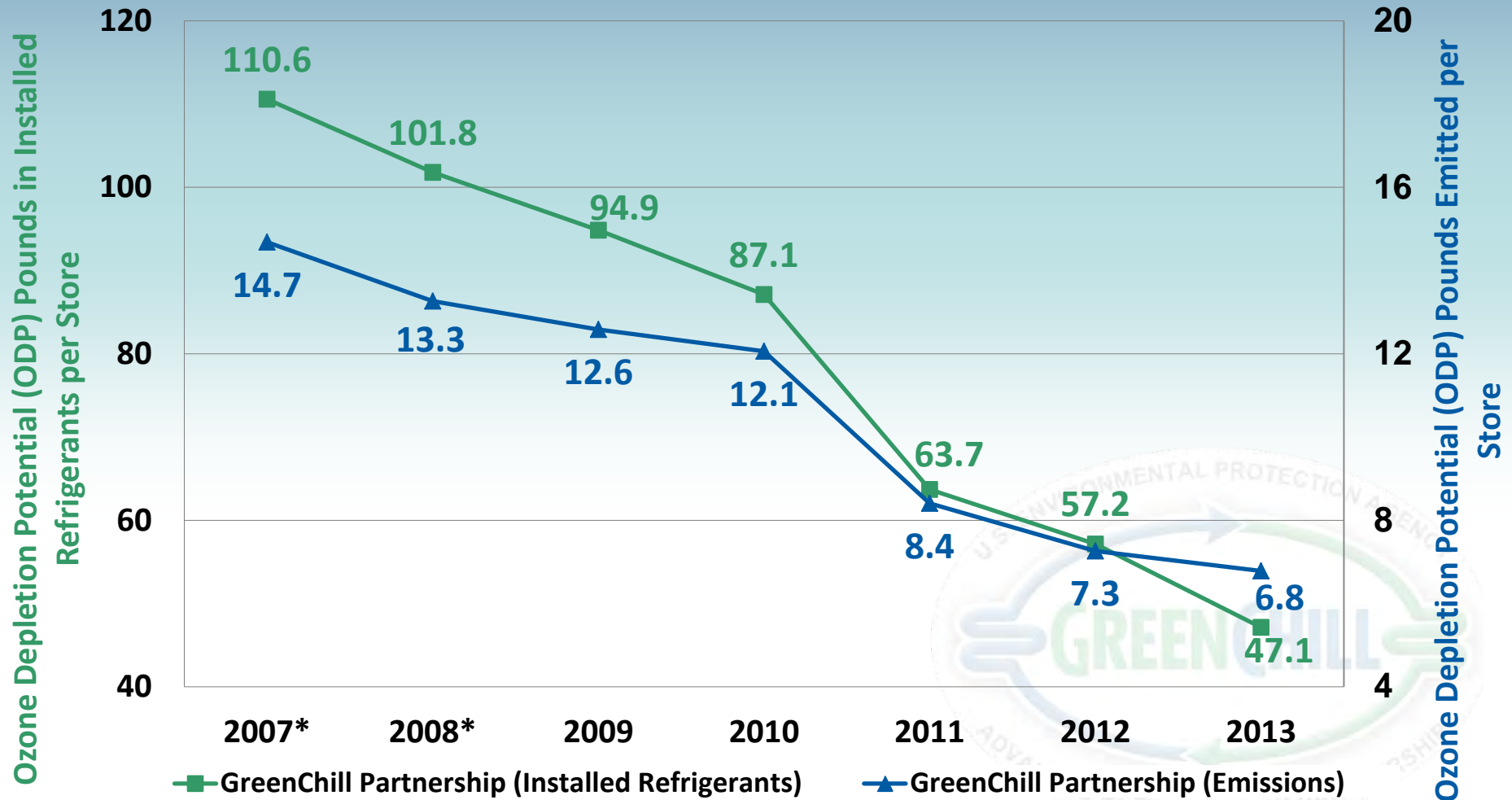
**2013**



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



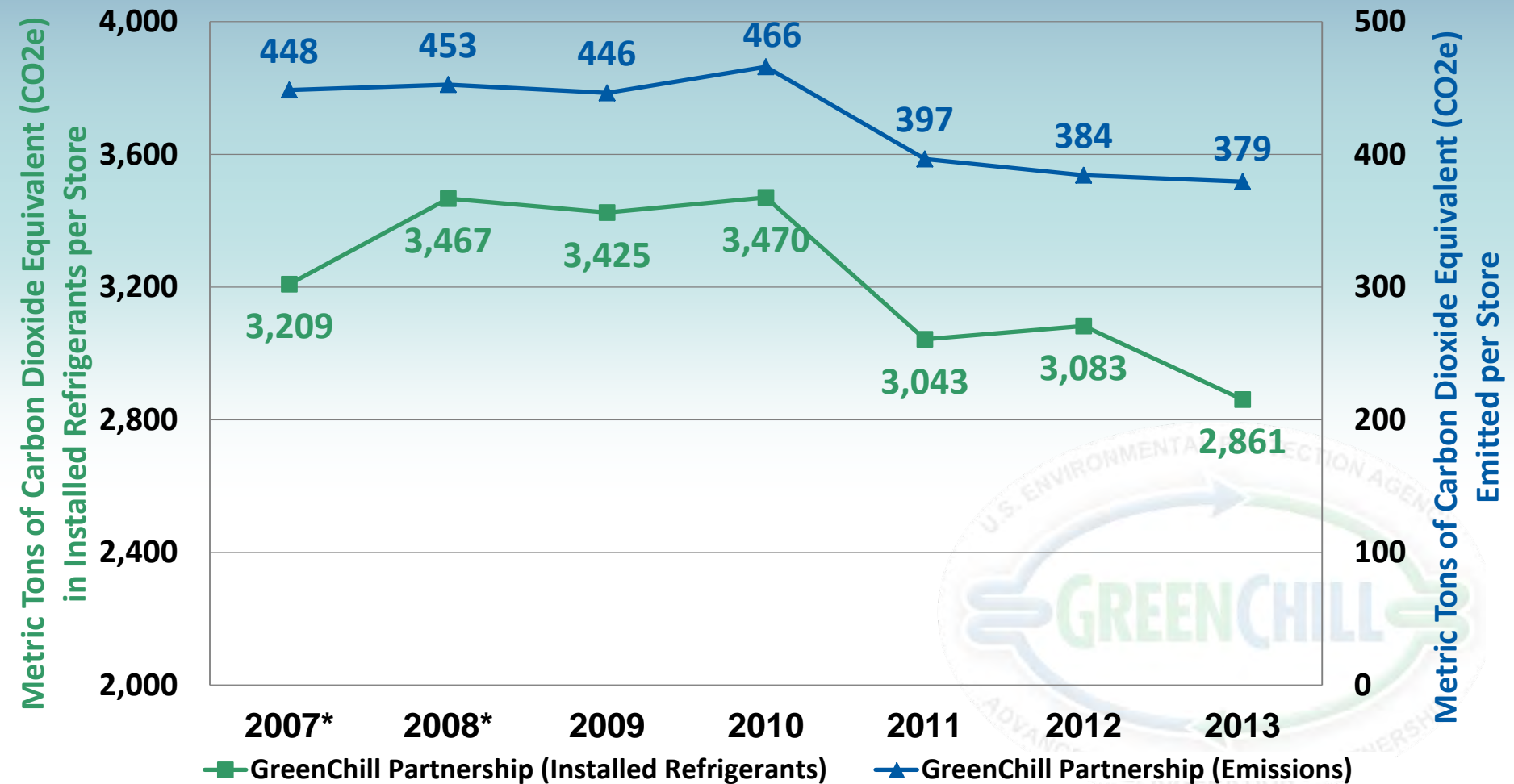
# Average Ozone Layer Impact per Store (Commercial Systems)





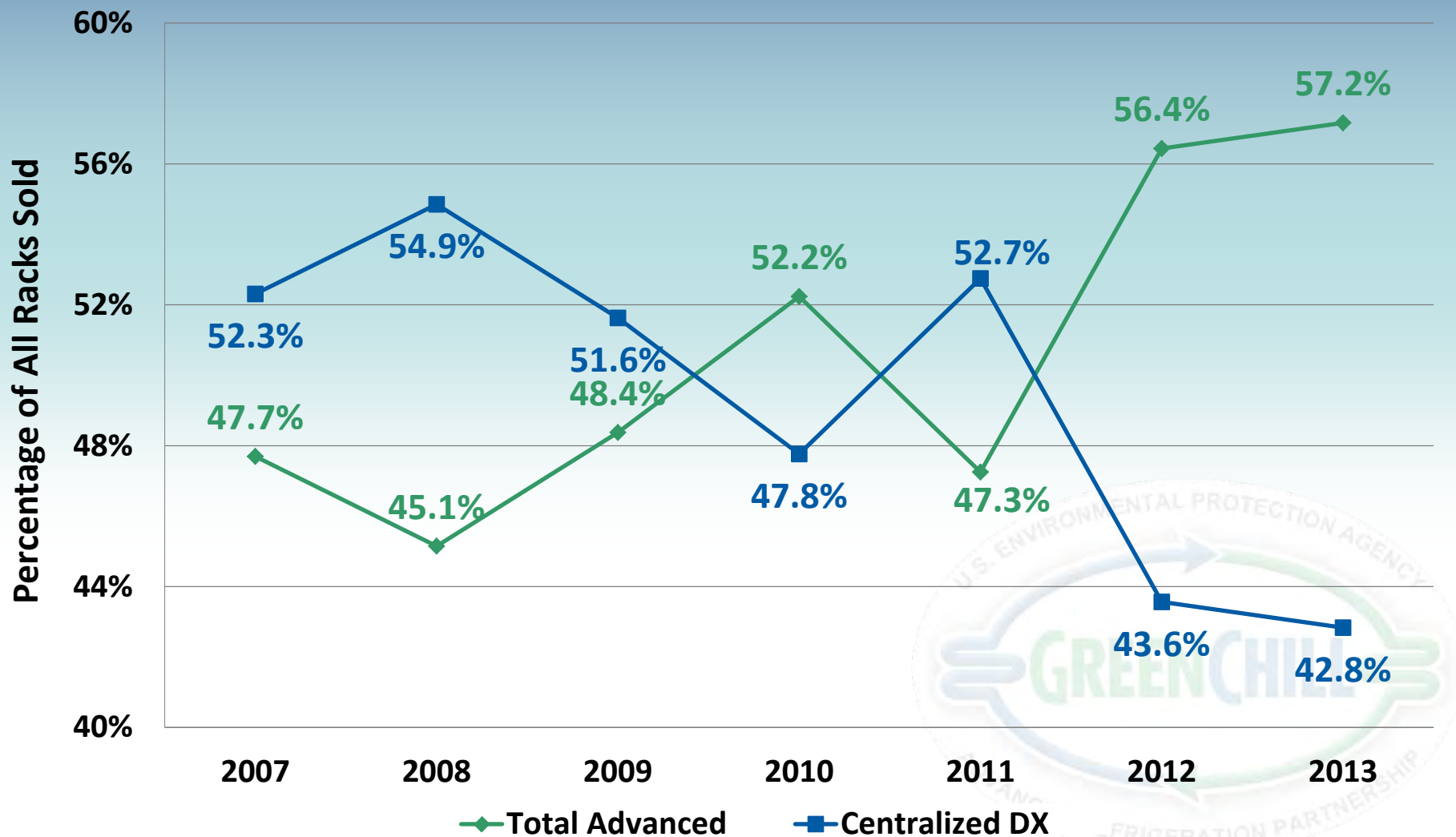
# Average Climate Impact per Store

## (Commercial Systems)





# Advanced and Centralized DX Racks Sold

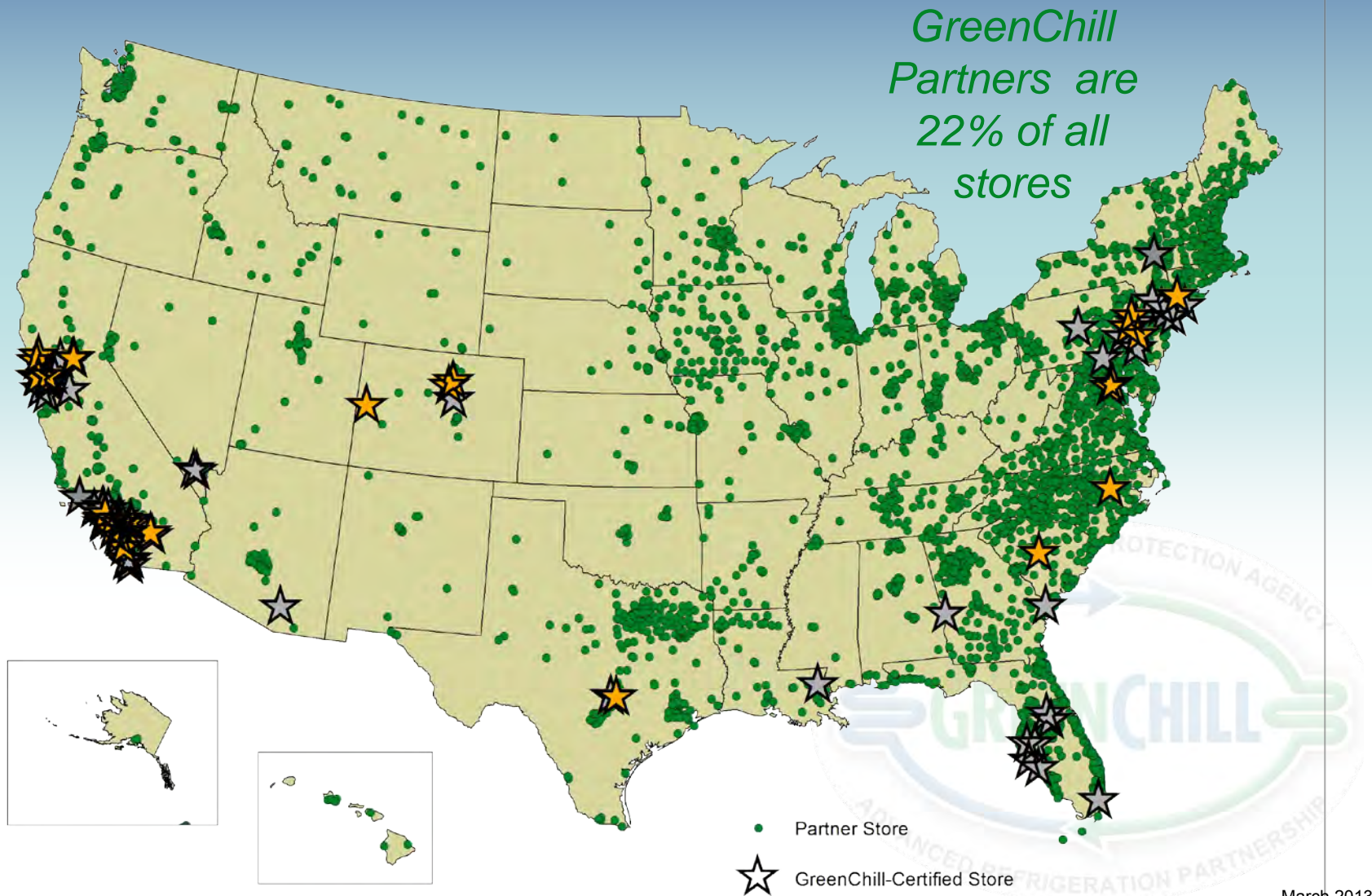


# GreenChill Effect

- ▶ Now, in the USA, five CO<sub>2</sub> 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!!!



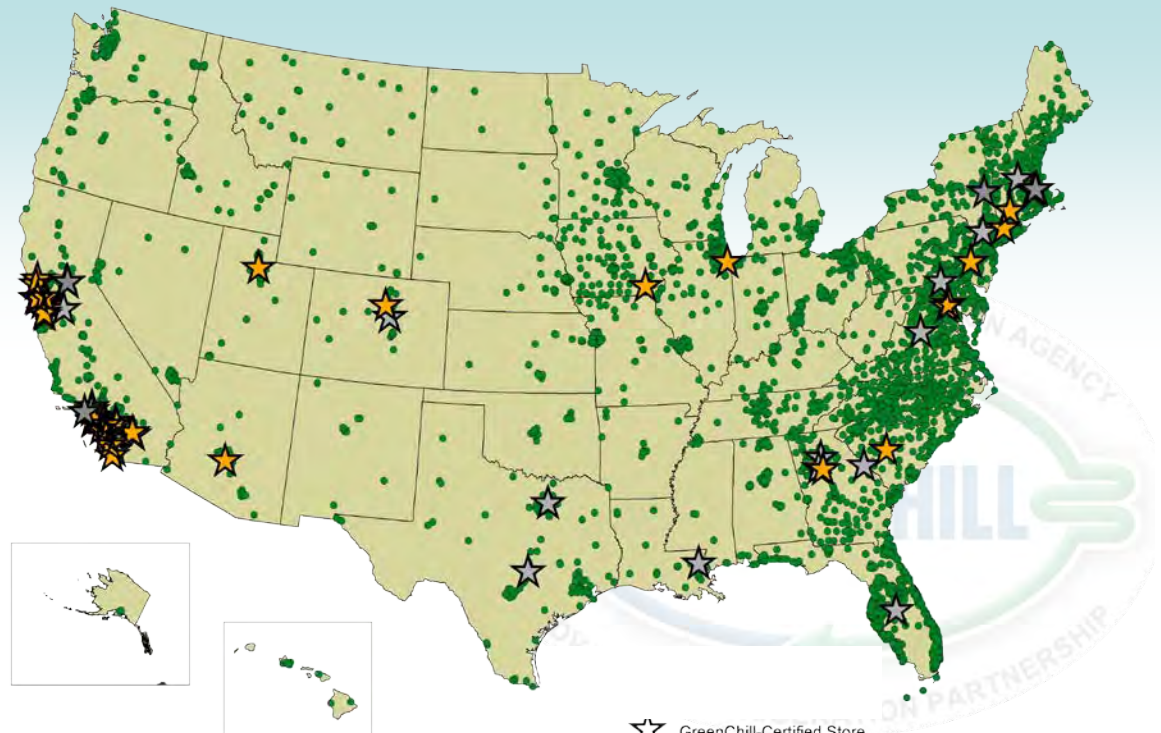
# GreenChill Partnership



# Industry Potential

- ▶ If every U.S. supermarket met GreenChill benchmarks, the supermarket industry would:
  - ▶ Reduce emissions by 22 MMTCO<sub>2</sub>eq & 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 10<sup>th</sup> 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



# 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





# 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

- ▶ 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
- ▶ CO<sub>2</sub> transcritical refrigeration system



# Best of the Best



Brooklyn, NY







THE **GREENCHILL** PARTNERSHIP



# Store Certification Excellence

Most GreenChill-Certified Stores

STORE CERTIFICATION



# 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

Publix®



**Hillphoenix®**

A **DOVER**™ COMPANY





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



Columbia, SC



San Diego, CA

Publix®

Suwanee, GA

Winter Haven, FL



Hanover, PA





# 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](http://www2.epa.gov/greenchill)*