



GreenChill Annual Achievement Recognition

Tom Land



E+SD Energy & Store
Development
Conference



Program Update

GreenChill Advanced Refrigeration Partnership

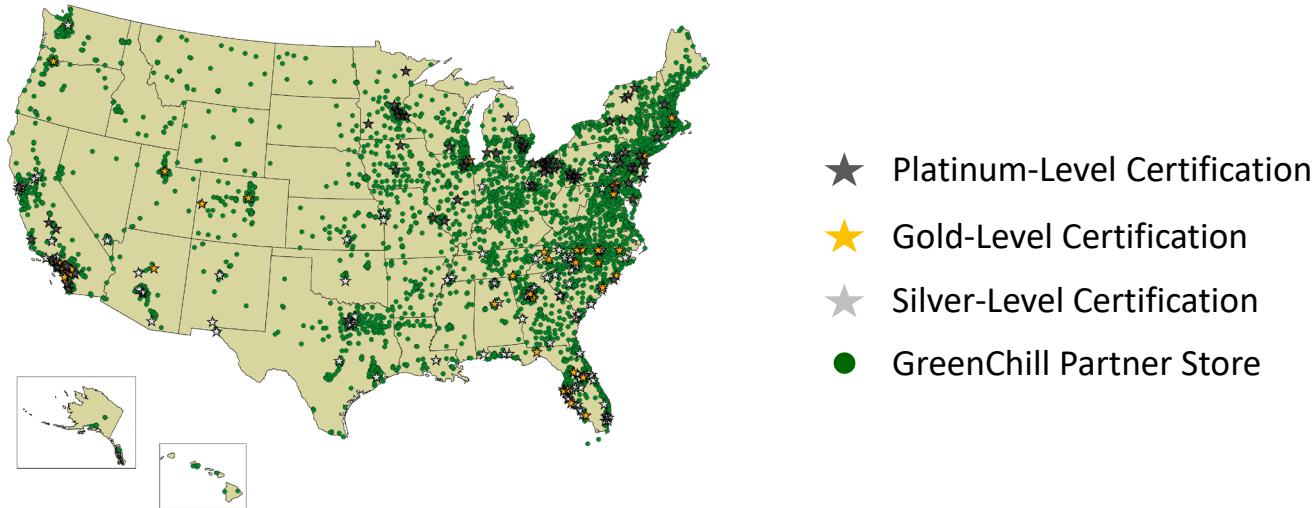


GreenChill and Industry Potential

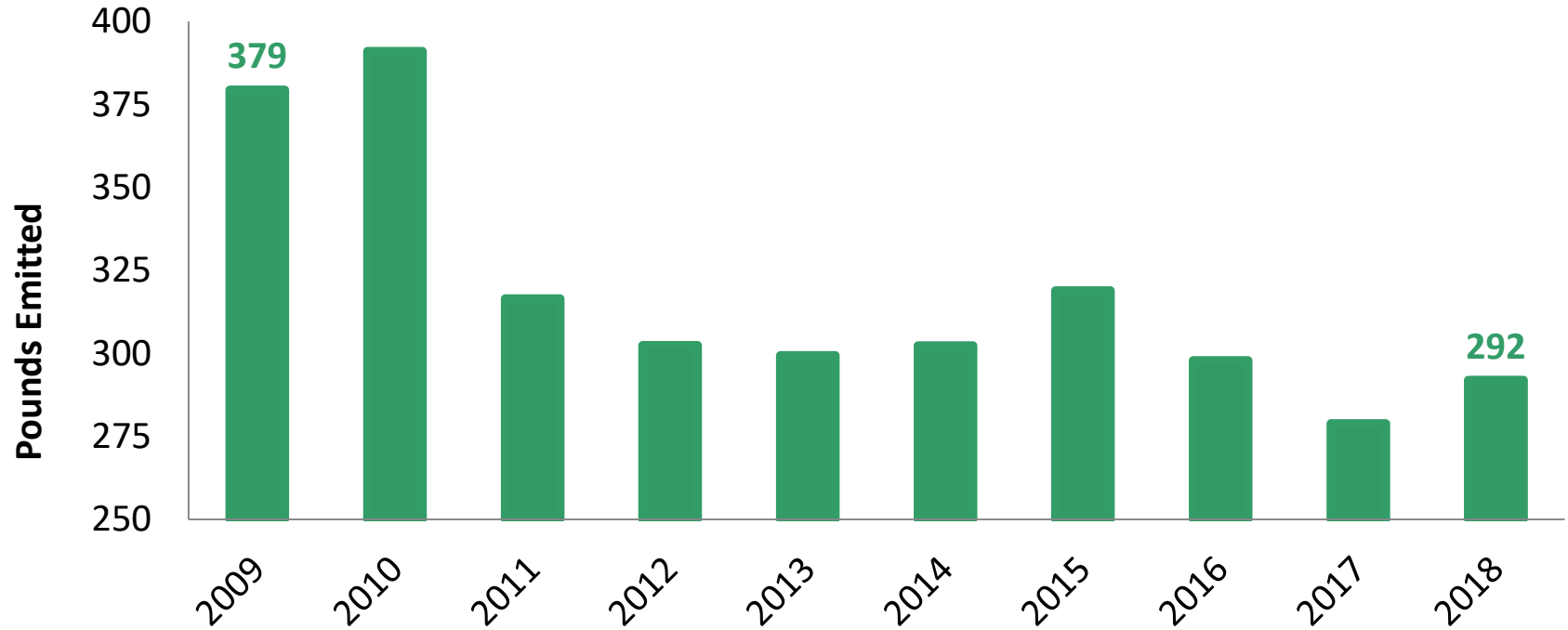
GreenChill partner companies account for about 29% of all stores

If every U.S. supermarket met GreenChill Partners' 2018 average emission rate (13.9%), the supermarket industry would:

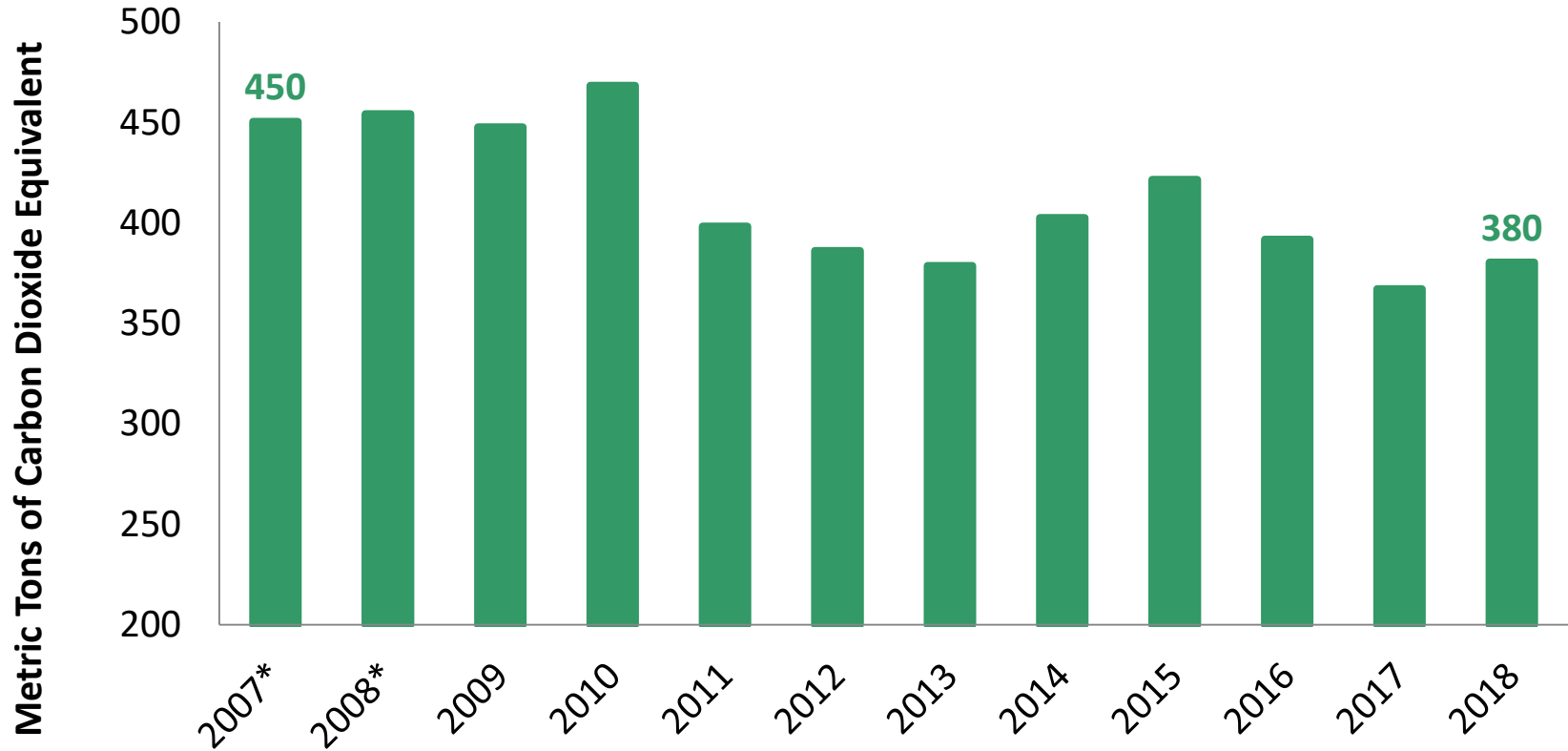
- Reduce annual refrigerant emissions by 30 million metric tons carbon dioxide equivalent
- Save \$156 million in annual refrigerant replacement costs



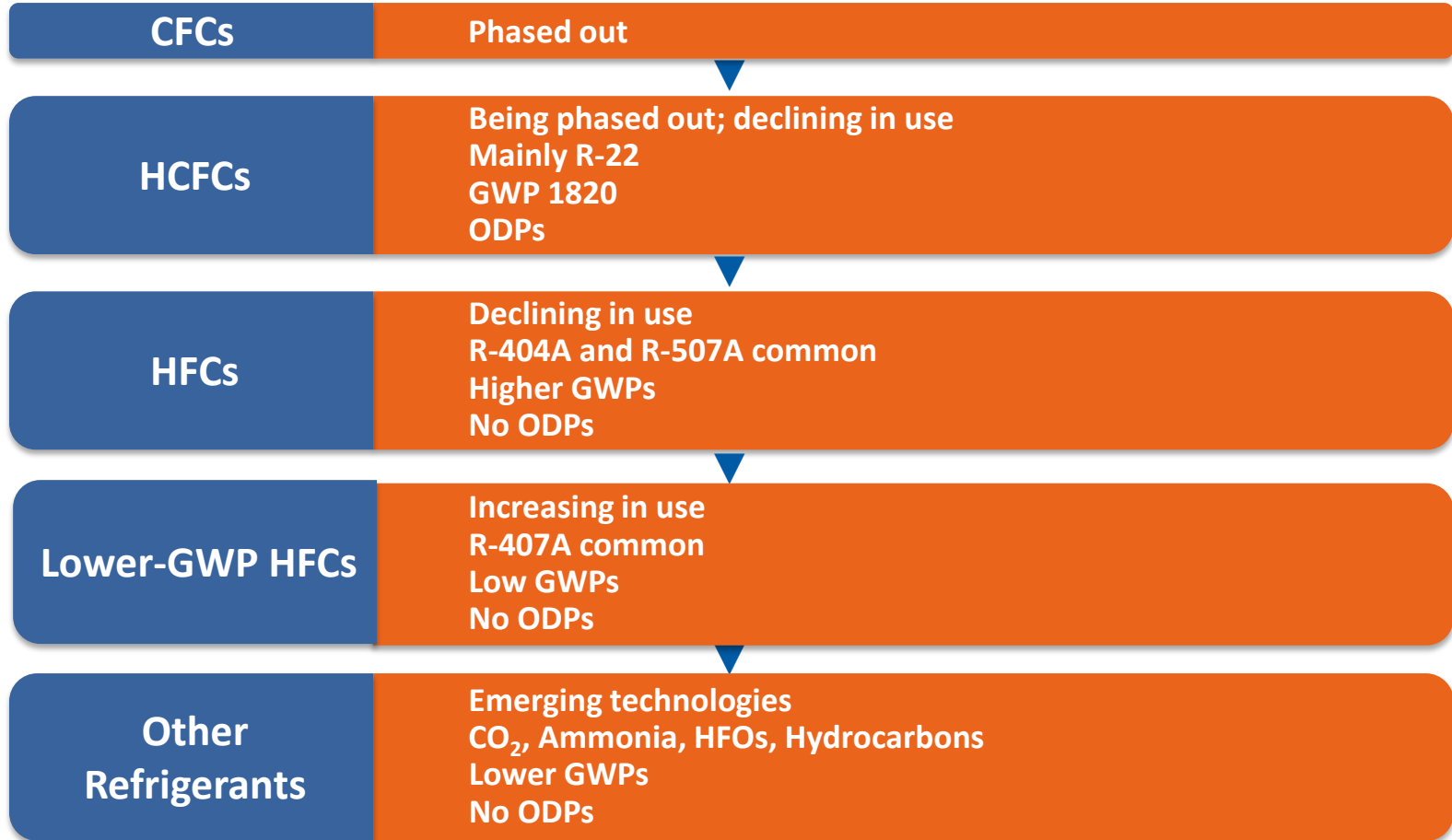
Partnership Emissions per Store



Partnership Climate Impact per Store

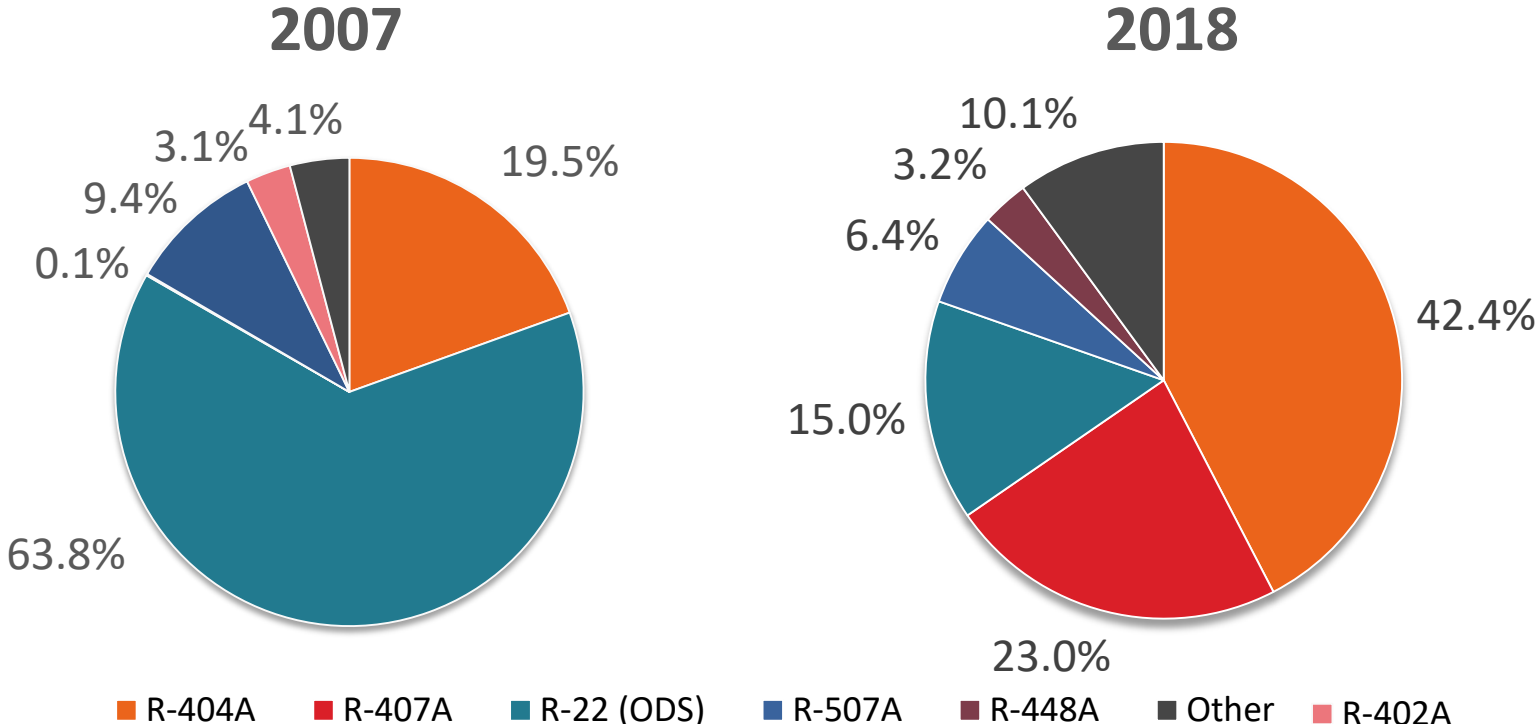


A Changing Industry

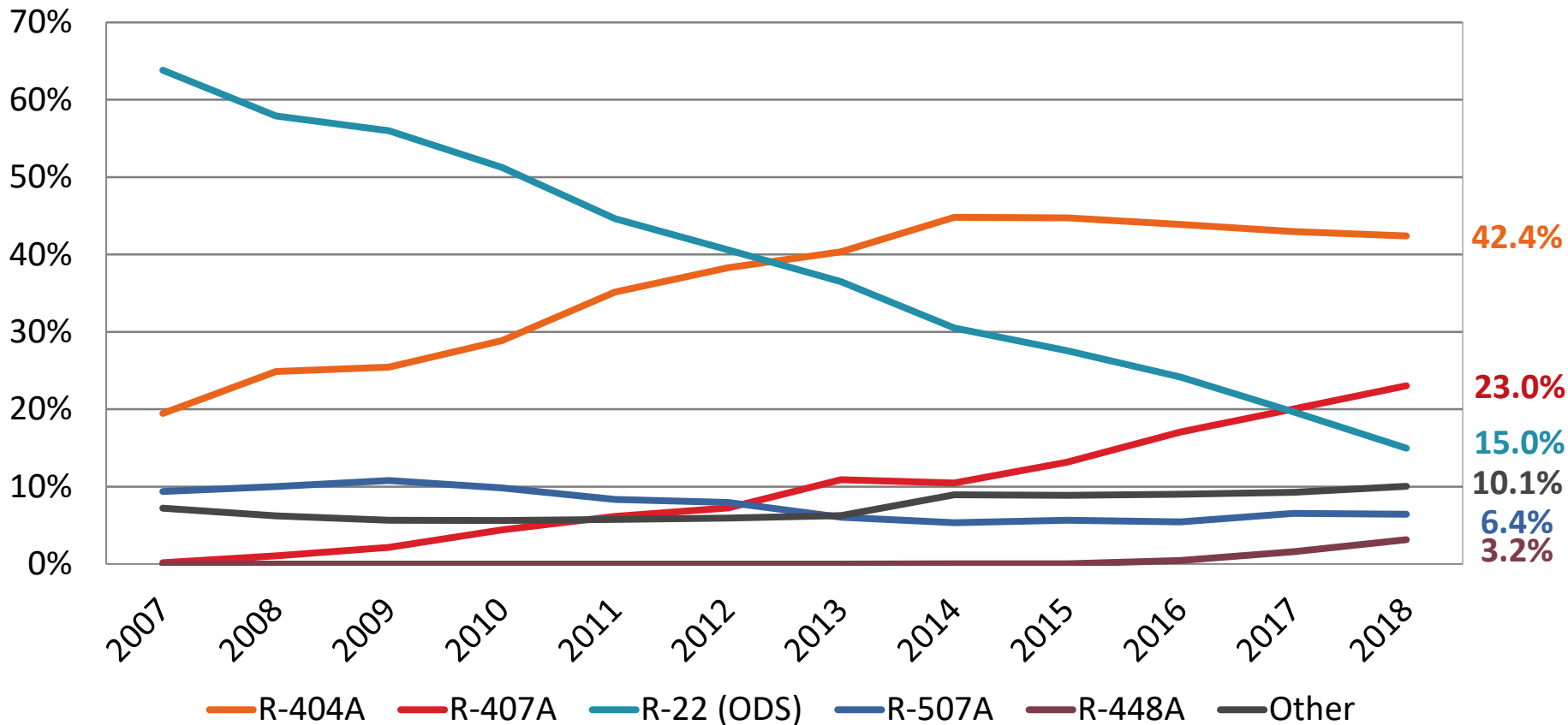


GreenChill Partnership Installed Refrigerants

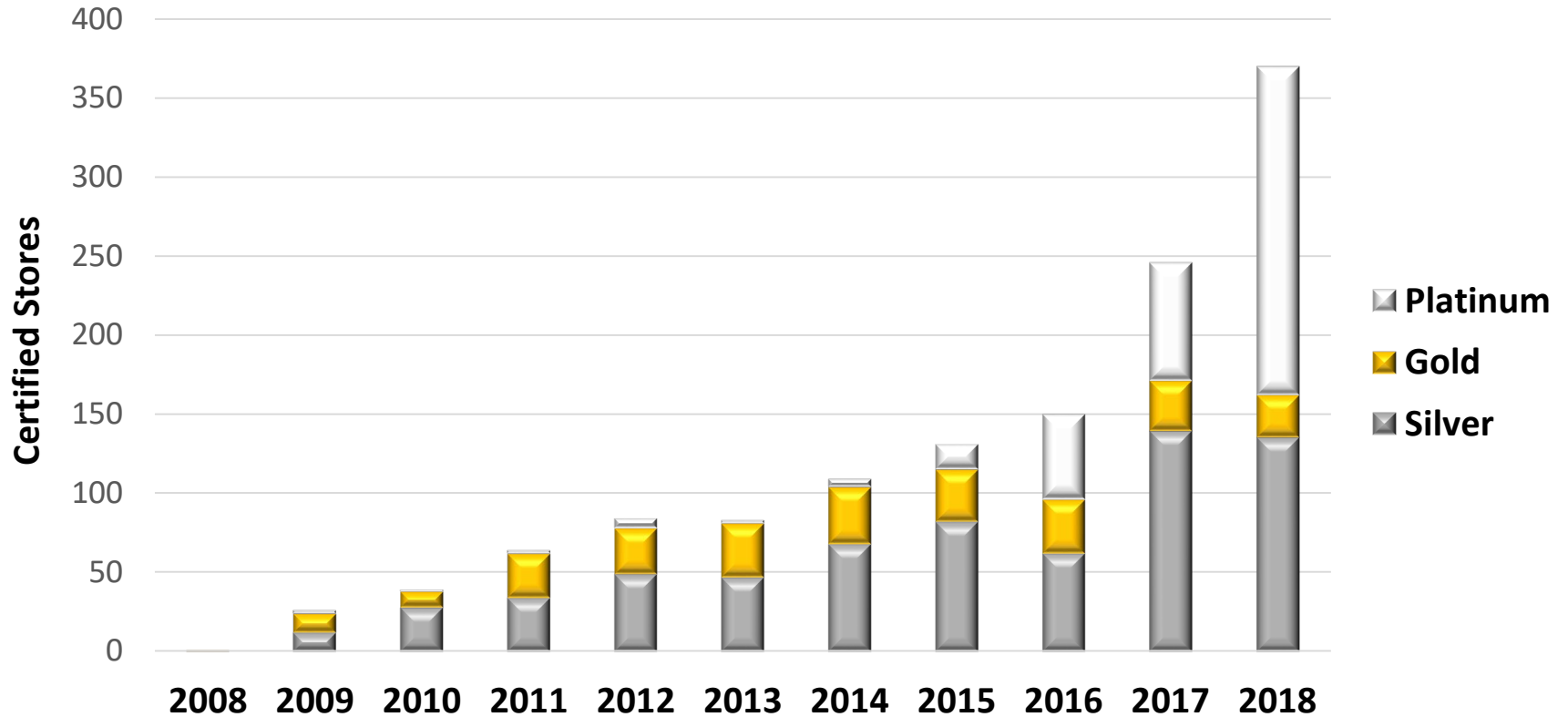
Commercial Systems



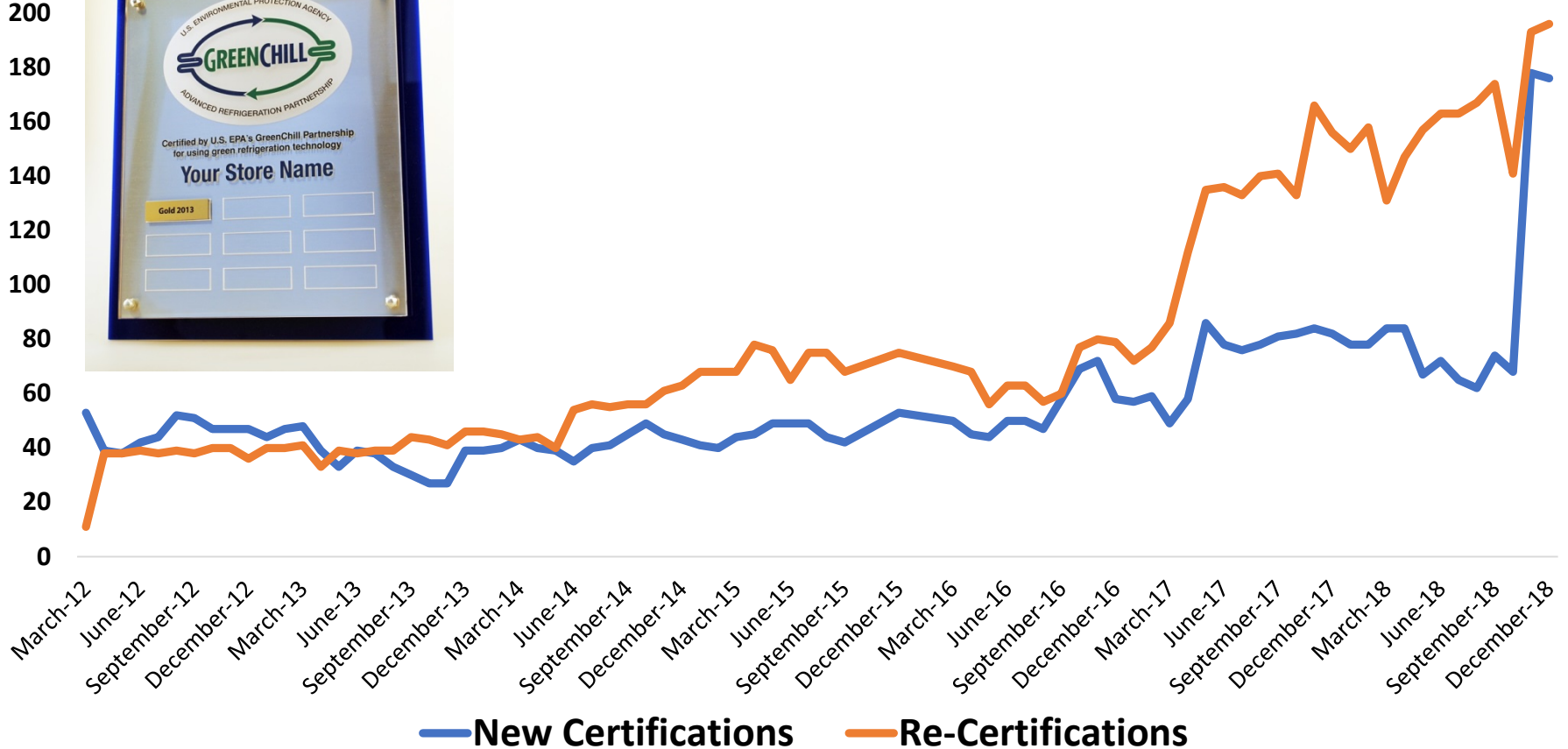
Installed Refrigerants Over Time



Store Certification Program Growth



Store Re-Certifications



Newest GreenChill Partner

Welcome!



GreenChill Advanced Refrigeration Partnership Annual Achievements

Superior Goal Achievement

Partners that set a corporate-wide goal for refrigerant emissions (for commercial systems) are eligible for GreenChill recognition

Goal must be below leak rate achieved the year before

Many GreenChill partners demonstrate continually reduced emissions

5 partners achieved their 2018 emissions rate goals

Superior Goal Achievement



HyVee®



**Price
Chopper**®



King Kullen
America's First Supermarket



Raleys
SINCE 1958



SPROUTS
FARMERS MARKET

Exceptional Goal Achievement

Each year partners have the option to set a “stretch” goal to even further reduce refrigerant emissions

3 GreenChill partner companies achieved their “stretch” goal

Exceptional Goal Achievement

The logo for HyVee, featuring the word "HyVee" in a bold, red, sans-serif font. The letter "V" is stylized with a white dot in the center. A registered trademark symbol (®) is located to the right of the word.The logo for King Kullen, featuring the words "King Kullen" in a bold, red, sans-serif font. A yellow crown icon is positioned above the letter "i" in "King". Below the main text, the tagline "America's First Supermarket" is written in a smaller, italicized, black font.

Most Improved Emissions Rate

Two “Most Improved Emission Rate” categories:

- 1) Compared to last year’s emissions rate
- 2) Compared to company’s baseline emission rate when they joined the GreenChill Partnership

Most Improved Emissions Rate



Year-to-Year



Over Baseline Year

Best Emissions Rate

Two “Best Emission Rate” categories for the lowest refrigerant emissions among all sources for:

- 1) Small/Independent partners
- 2) Retail chain partners

Achieved incredibly low corporate emission rates

Best Emissions Rate



Small/Independent



Retail Chain

Best of the Best

Best Certified Store

- Best GreenChill Certified Store
- Notable demonstration of innovative advanced refrigeration technology
- This year we honor ...

Best of the Best



TARGET

Store Certification Excellence

Most GreenChill-Certified Stores

Two “Store Certification Excellence” categories:

- 1) Supermarket company with the most GreenChill store certifications in the past year
- 2) Systems manufacturer with the most GreenChill store certifications in the past year

Store Certification Excellence



Hillphoenix[®]

A **DOVER**[™] COMPANY

Store Re-Certification Excellence

Consecutive Re-Certifications

- “Store Re-Certification Excellence” recognition goes to stores achieving GreenChill certification in five or ten consecutive years
- 1 store reach this achievement for 10 years of certification
- 7 stores reached this achievement for 5 years of certification

Store Re-Certification Excellence



Hanover, PA
10 YEARS!



Birmingham, AL
Kansas City, MO
Kansas City, MO (North)
Lakeland, TN
Madison, AL
Mansfield, TX
Peoria, AZ
Scottsdale, AZ

Distinguished Partner

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

Distinguished Partner



GreenChill Program Management Retrofit

GreenChill Program Management Retrofit

- Decommissioning Tom Land



GreenChill Program Management Retrofit

- Re-Commissioning



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Appreciation from GreenChill

- Great partners and supporters!!!
- All play a role through data reporting, store certifications, refrigerant management plans, webinar presentations, and input on GreenChill programs and resources.
- Providing wonderful industry insights and showing dedication.

Thank you!



Thank You

- James Meadows, Brookshire Grocery Company
- Rebecca Daniels, Ben Quigley, Deborah Stewart, Nathalie Etori, FMI



For more information on today's annual recognition event visit: www.epa.gov/greenchill