

Energy & Store
Development Conference

2017

E+SD

September 24-27, 2017

Hilton Bonnet Creek | Orlando, FL



THE VOICE OF FOOD RETAIL 



GreenChill Annual Achievements



Tom Land, U.S. EPA



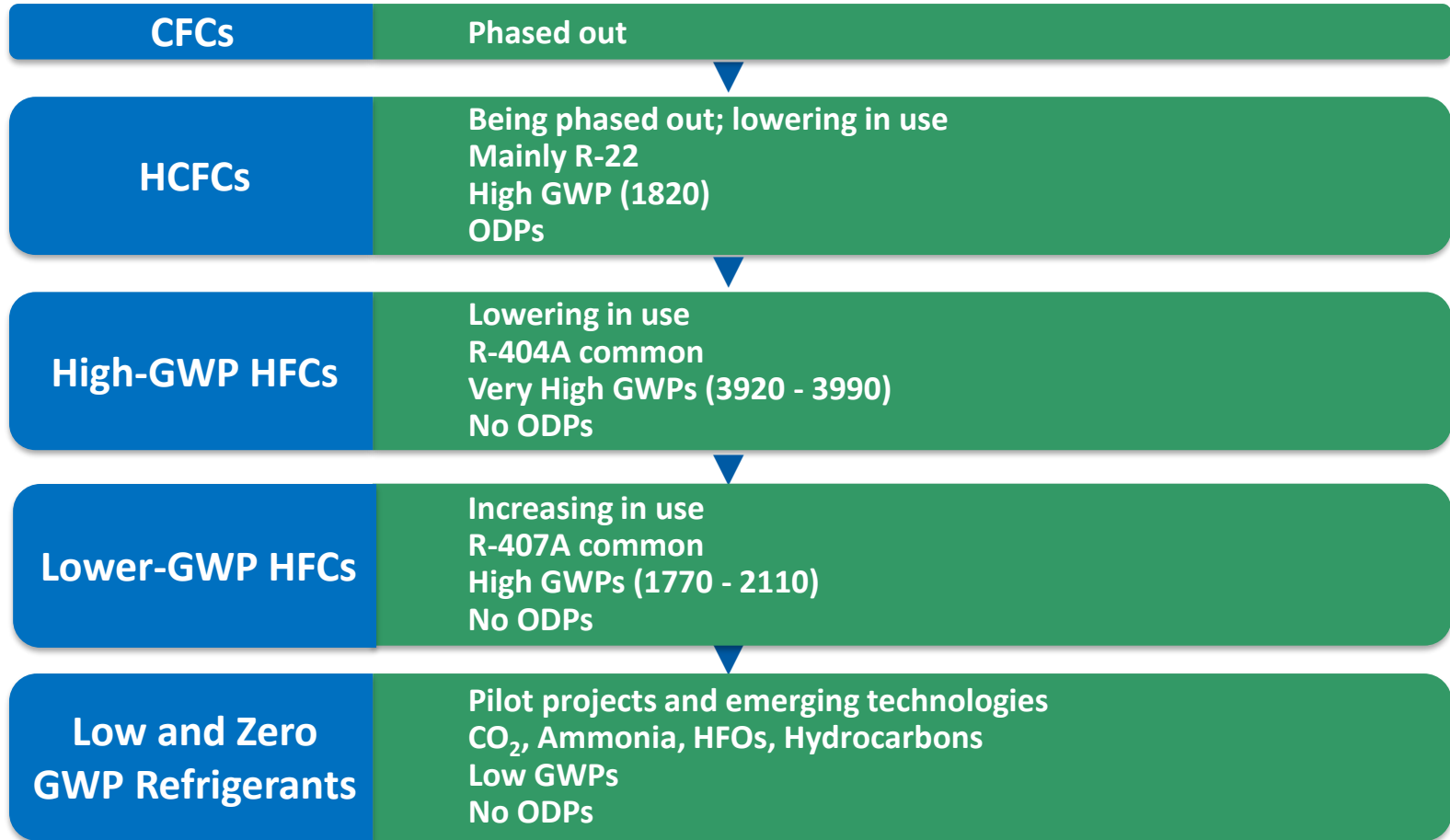
THE VOICE OF FOOD RETAIL 

2017



GreenChill Program Update

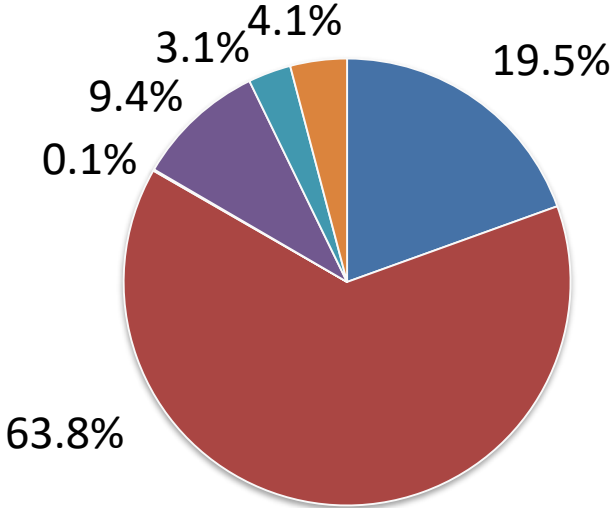
A Changing Industry



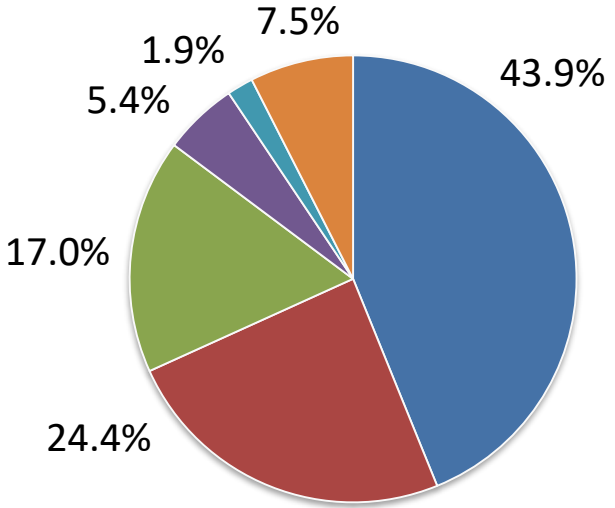
GreenChill Partnership Installed Refrigerants

Commercial Systems

2007

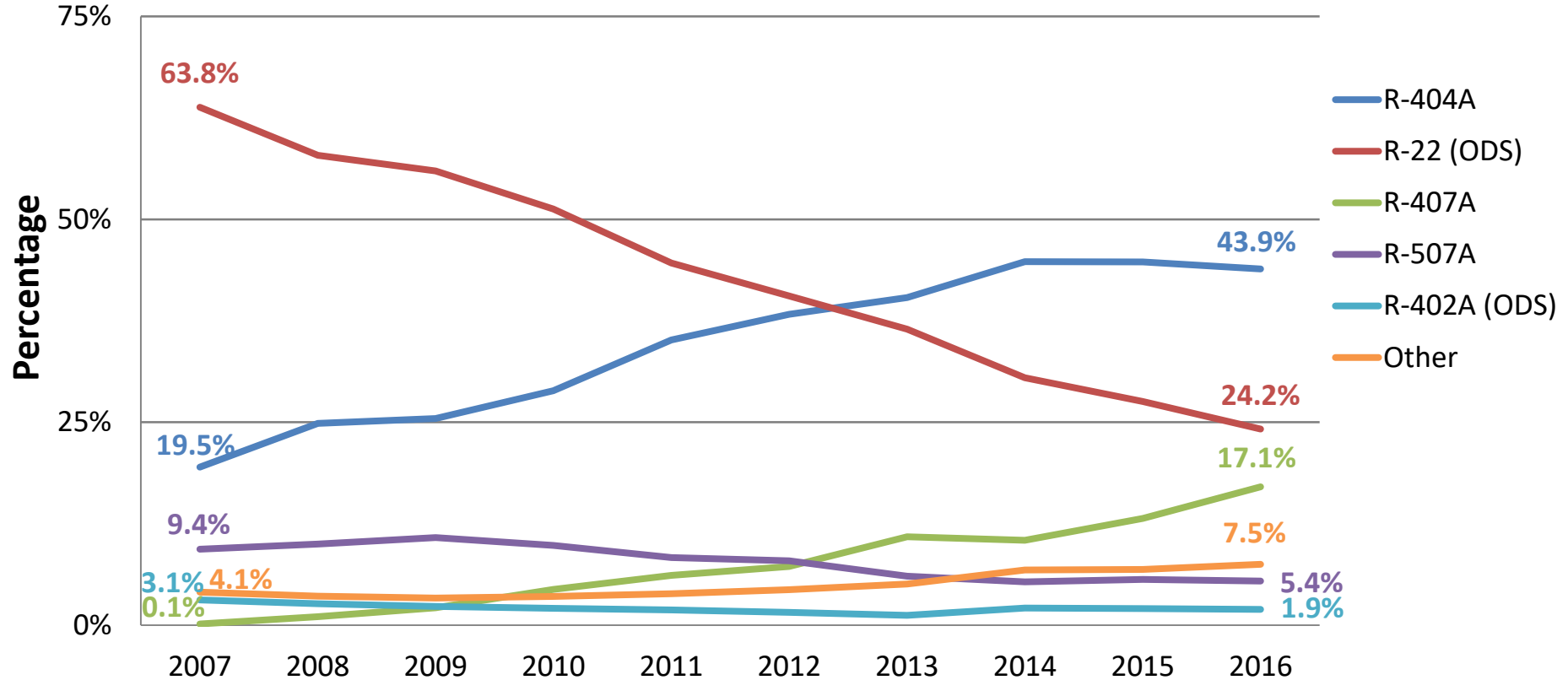


2016



■ R-404A ■ R-22 (ODS) ■ R-407A ■ R-507A ■ R-402A ■ Other

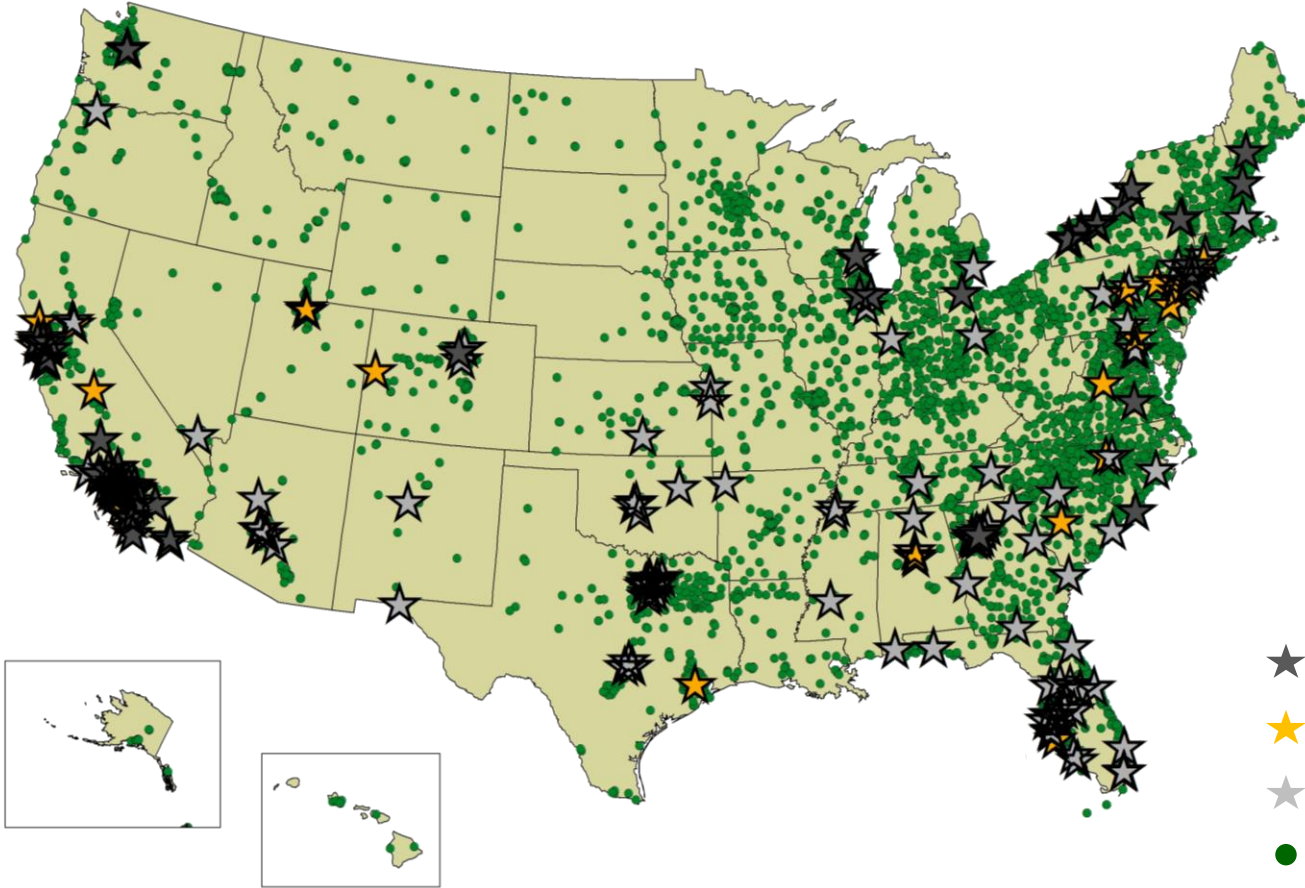
Installed Refrigerants Over Time



GreenChill Effect

- In 2016, 20 of 25 GreenChill partners reduced or maintained their emissions rate since joining the partnership
 - 2 reduced their emissions rate by at least 80%
 - 4 reduced their emissions rate by at least 60%
 - 6 reduced their emissions rate by at least 30%
 - 11 reduced their emissions rate by at least 20%
 - 16 reduced their emissions rate by at least 10%
- 18 of 25 partners reduced or maintained their emissions rate compared to 2015

GreenChill Partnership



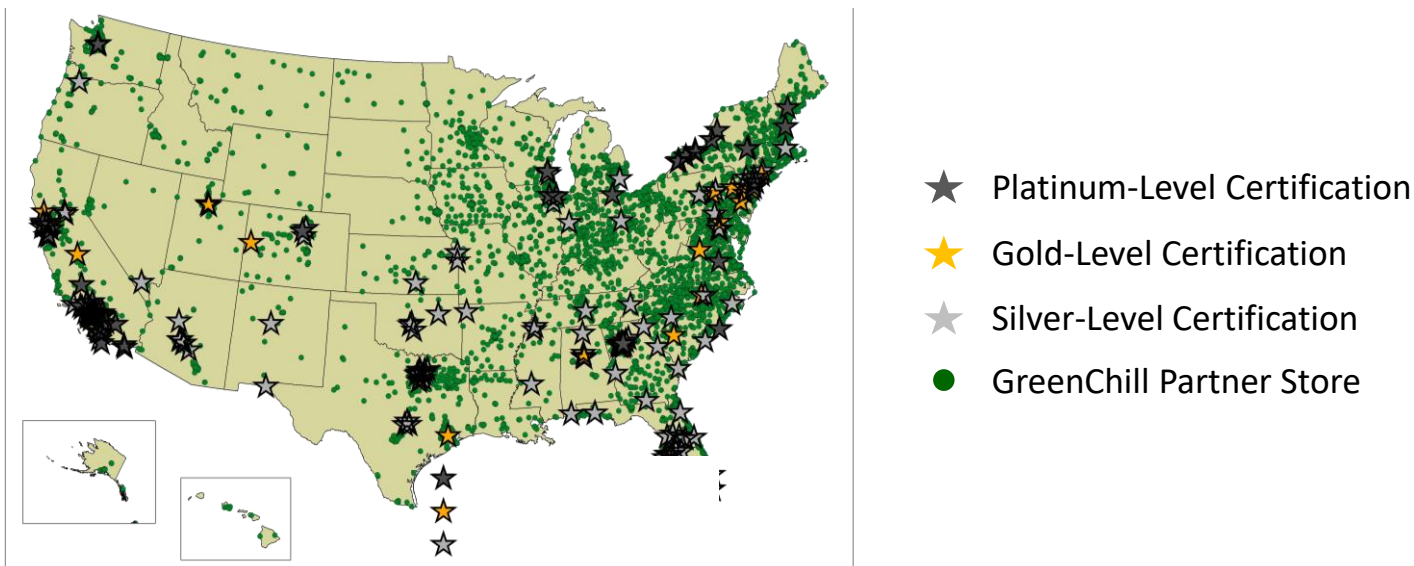
GreenChill Partners account for about 28% of all stores

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

Industry Potential

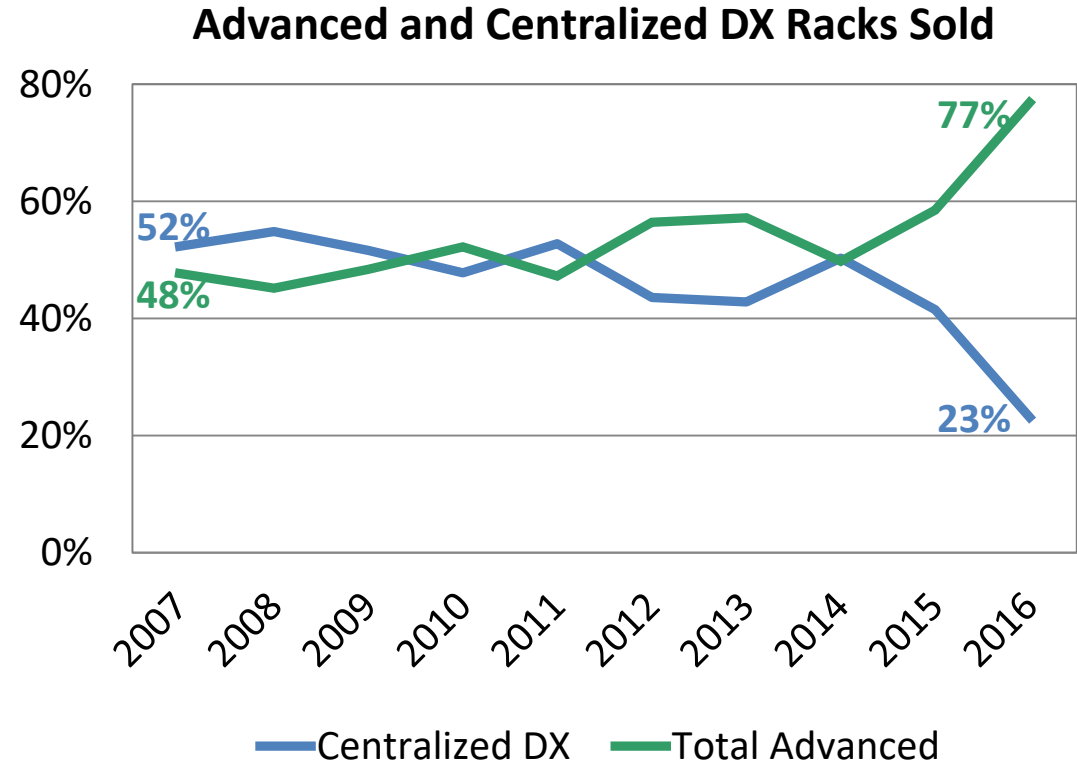
If every U.S. supermarket met GreenChill Partners' average emission rate, the supermarket industry would:

- Reduce annual refrigerant emissions by 29 million metric tons carbon dioxide equivalent
- Save \$213 million in annual refrigerant replacement costs



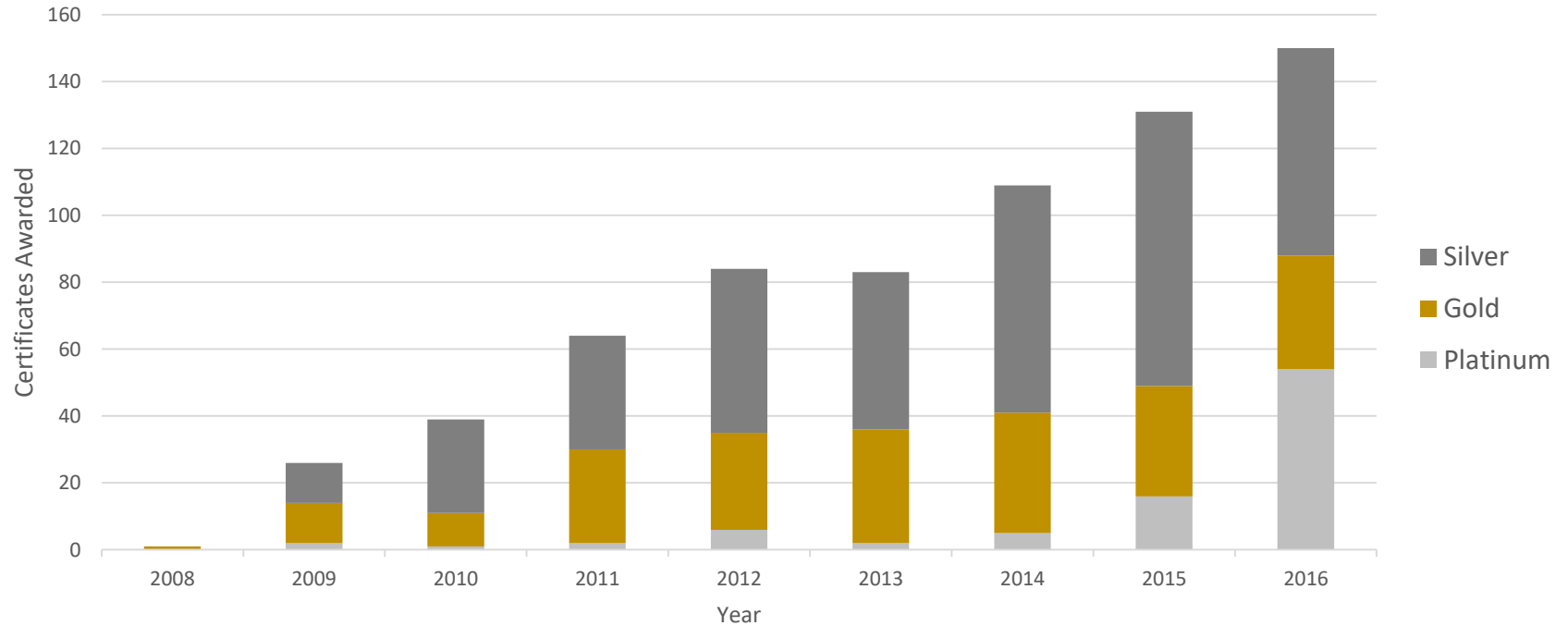
Partnership Systems Sales Trends

- Total number of racks sold increased for the first time since 2010
- 77% of racks sold in 2016 were advanced (up from 58% in 2015)
 - Largest ratio of advanced to centralized DX in history of GreenChill

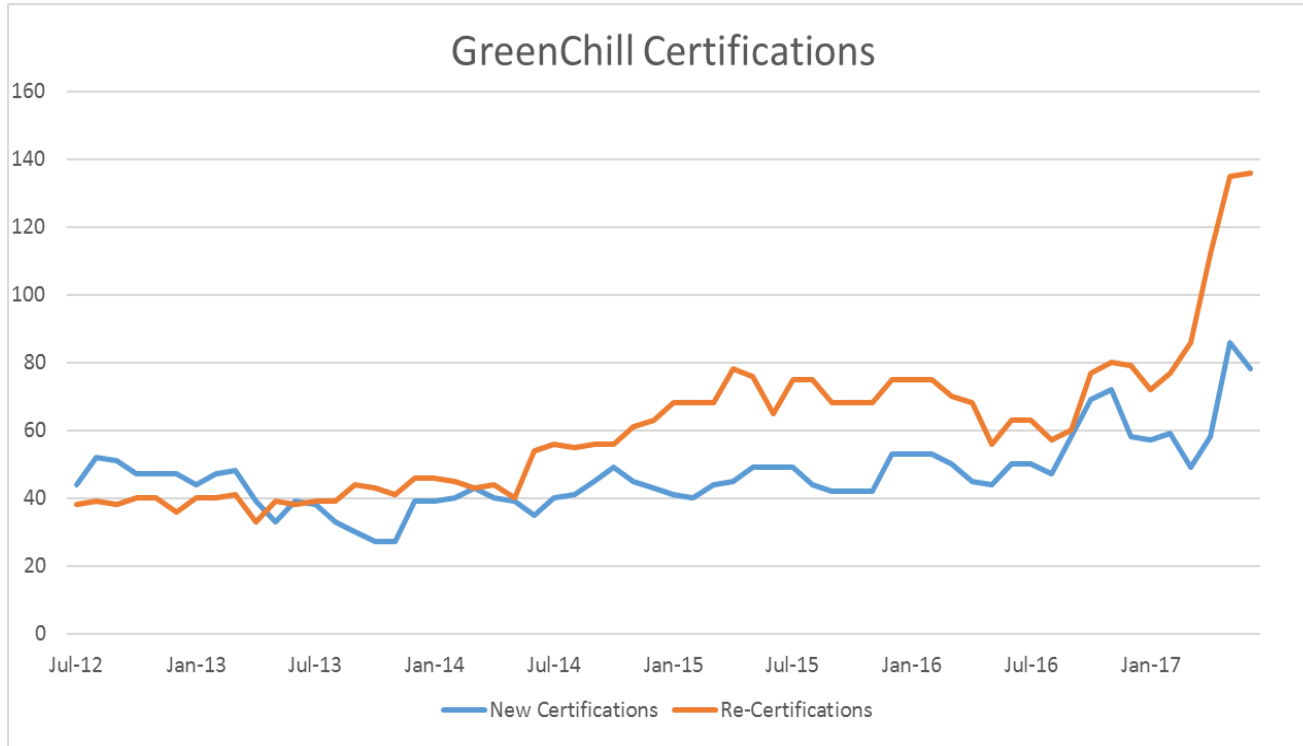


Store Certification Program Growth

GreenChill Certificates Awarded by Year and Certification Level



Store Re-Certifications





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GreenChill Annual Achievements

Superior Goal Achievement

Partners are eligible for GreenChill recognition when they set a corporate-wide goal for refrigerant emissions (for commercial systems) below the rate achieved the year before

Many GreenChill partners are demonstrating continuously reduced emissions

A record **11** partners achieved their 2016 emissions rate goals and receive the “Superior Goal Achievement”

They are....

Superior Goal Achievement



TARGET



Exceptional Goal Achievement

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

This year 4 partners achieved their goal.

Superior Goal Achievement



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

One partner achieved notable reductions in refrigerant emissions in BOTH categories.

Most Improved Emissions Rate



Best Emissions Rate

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

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

Achieved incredibly low corporate emission rates

Best Emissions Rate



Retail Chain



Small/
Independent

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



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

- The “Store Re-Certification Excellence” recognition goes to stores achieving GreenChill certification in five consecutive years
- Five stores reached this achievement

Store Re-Certification Excellence



Brodheadsville, PA



Grand Junction, CO

Whittier, CA



Windsor Mill, MD



Santa Rosa, CA

Distinguished Partner

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

Distinguished Partner



Universal GreenChill Appreciation

- Great partners and supporters!!!
- All are playing 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

- Ashley Dorminy and Doug Milu, Publix Super Markets
- Ted Gartland, E. Gartland & Associates
- Maureen Beatty, National Refrigerants
- Laurie Gethin, FMI



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