

EPA & the Supermarket Industry: Partners in Ozone Layer Protection

GreenChill's 2008 Strategic Plan

- ► GreenChill's priorities for 2008 lie in 4 areas:
- 1). Achieving Partners' 2008 Goals
- 2). Research
- 3). GreenChill and Partner Marketing
- 4). Recruiting new supermarket partners

Benchmarking to Measure Progress

- How do you know if you are ahead of the curve?
 - ► Compare leak rates to GreenChill average
 - ► Compare leak rates to nationwide average
- ► How do you know you are improving?
 - Compare leak rates to previous years

Supermarket Reporting Data

- ► Compared to industry average emissions, GreenChill partners in 2007:
 - ► Reduced ozone-depletion by 30 ODP-Tons
 - ► Reduced greenhouse gas emissions by the equivalent of 2.5 million metric tons of CO2 (500,000 cars)
- ► Saved \$13 million in refrigerant costs

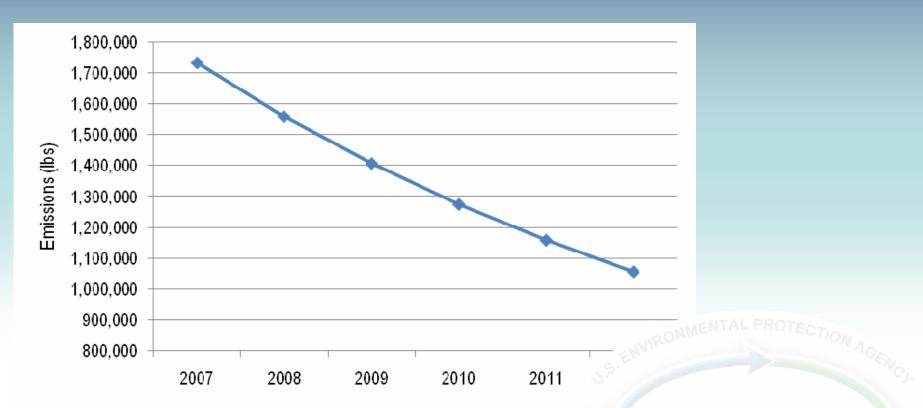
Supermarket Reporting Data

- ► If the industry reduced refrigerant emissions by 1%
 - Annual reduction in ozone-depletion by 14 ODP-Tons
 - ► Annual greenhouse gas emissions reductions of over 1 million metric tons of CO2 equivalent
- Savings of \$6 million annually

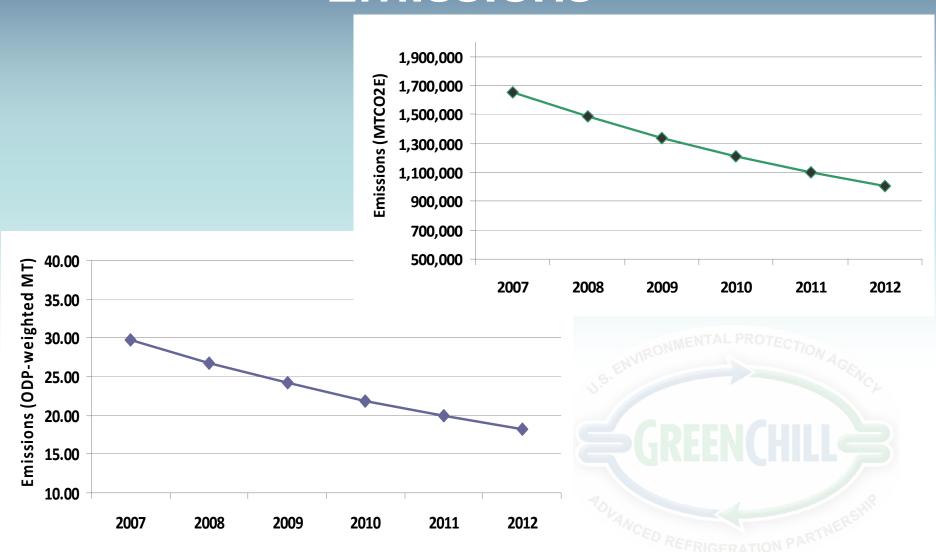
Supermarket Reporting Data

- ▶ If every supermarket in the nation achieved the GreenChill average emissions rate:
 - ► Annual reduction in ozone-depletion by 157 ODP-Tons
 - ► Annual greenhouse gas emissions reductions of 13 million metric tons of CO2 equivalent
- ► Savings of \$67 million annually

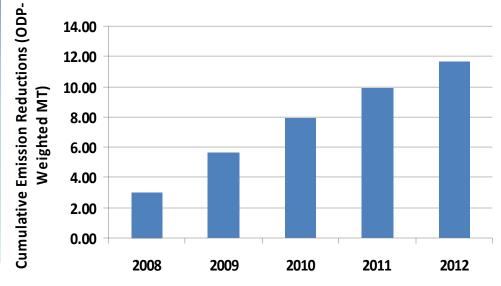
Projected Partnership Emissions (lbs)

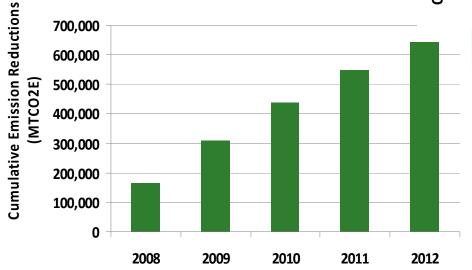


Projected Partnership Emissions



Cumulative Emissions Reductions







GreenChill's 2008 Strategic Plan

- ► Achieving Partners' 2008 Goals
 - OEM Partner Data
 - ► Equipment leak tightness at production
 - ► Equipment leak tightness at installation
 - ► Shipments of DX systems vs. advanced refrigeration systems
 - Refrigerant used in all refrigeration systems shipped
 - ▶ Best practices Guidelines for Advanced Refrigeration Technology

GreenChill's 2008 Strategic Plan

- ► Achieving Partners' 2008 Goals
 - Chemical Manufacturing Partner Data
 - ► Annual increases in supermarket HCFC-22 and HFC recovery and reclamation
 - ► Chemical manufacturer "Corporate Recovery & Reclamation Plan" increase supermarket HCFC-22 and HFC recovery and reclamation
 - **▶** Best Practices Guidelines for Retrofits

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