#### **GreenChill Advanced Refrigeration Partnership**



### **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

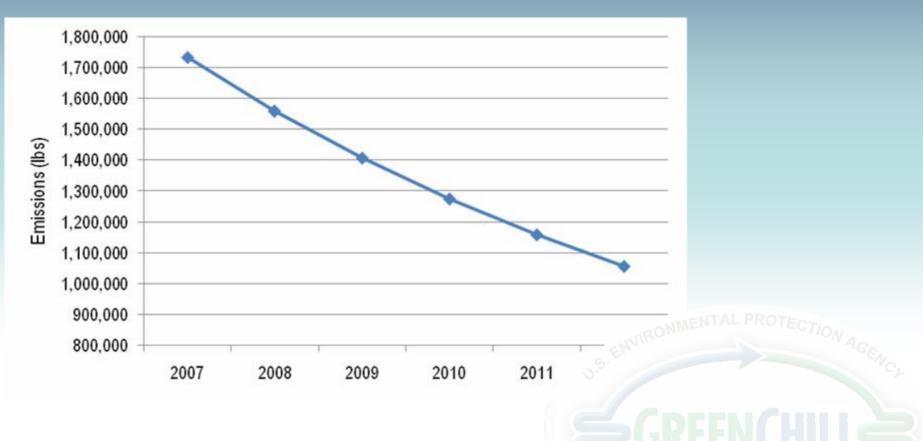
# **Supermarket Reporting Data**

- 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

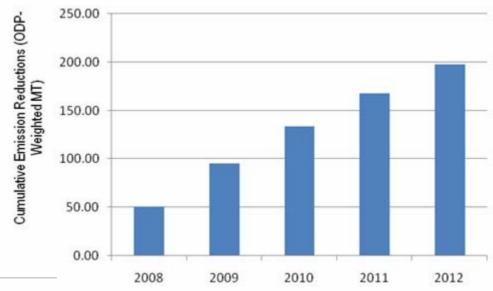
# Projected Partnership Emissions (lbs)

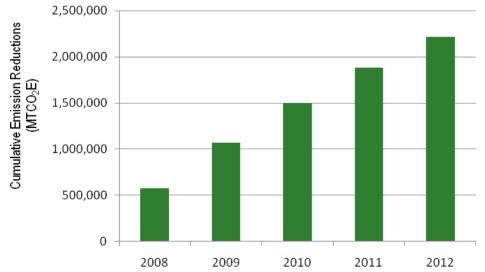


## Projected Partnership Emissions



# 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

# **Contact Information**

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