

Welcome to the RAD Working Session!



**ENERGY STAR Partner Products Meeting
RAD Working Session
October 24, 2012**

RAD Session Outline

- Brief RAD Program overview inc. 2011 achievements
- Facilitated discussion
 - RAD partners/recyclers seated at round table
 - In-depth discussion on best practices, opportunities and challenges
 - Non-RAD partners welcome to listen
- Wrap-up and evaluations

What Happens To Old Appliances?

Old refrigerated appliances collected by municipalities and retailers may be either...

– Disposed

- Refrigerant may or may not be recovered and reclaimed/destroyed, as required by law
- Foam is landfilled
- Fate of used oil, PCBs, mercury uncertain
- Metal components scrapped

OR

– Resold

- Old units continue to strain energy demand
- Ultimate disposal uncertain





Responsible Appliance Disposal (RAD) Program

- RAD is EPA's voluntary program that builds on the CAA safe appliance disposal regulations
- RAD partners ensure disposal of refrigerators and freezers using best environmental practices
 - Ozone layer and climate benefits
- RAD partners include:
 - 42 Utilities
 - 4 Retailers
 - 1 Manufacturers
 - 2 State & Local Government Affiliates



RAD Partnerships



Above: WV becomes first RAD state affiliate (May 2010)



Below : GE event at advanced recycling facility in Philadelphia (Sept. 2011)

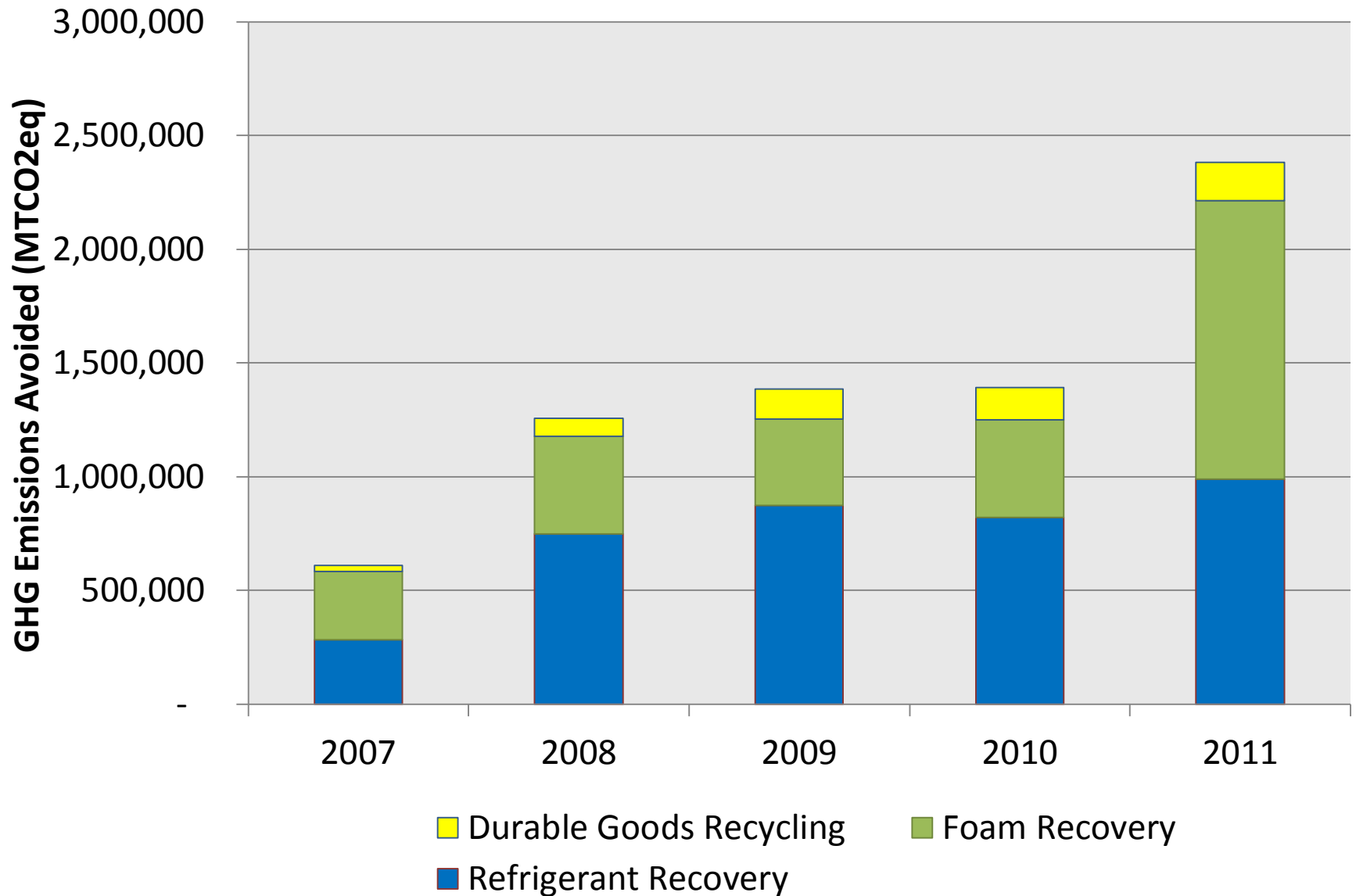


EPA, Southern California Edison Mark Recycling of 1 Million Refrigerators
COMPTON, Calif., May 24, 2012 – Southern California Edison (SCE), one of the founding partners of U.S. EPA's Responsible Appliance Disposal (RAD) Program and a 2012 [ENERGY STAR](#) Sustained Excellence award winner, today reached a national conservation milestone by crushing its 1 millionth refrigerator.

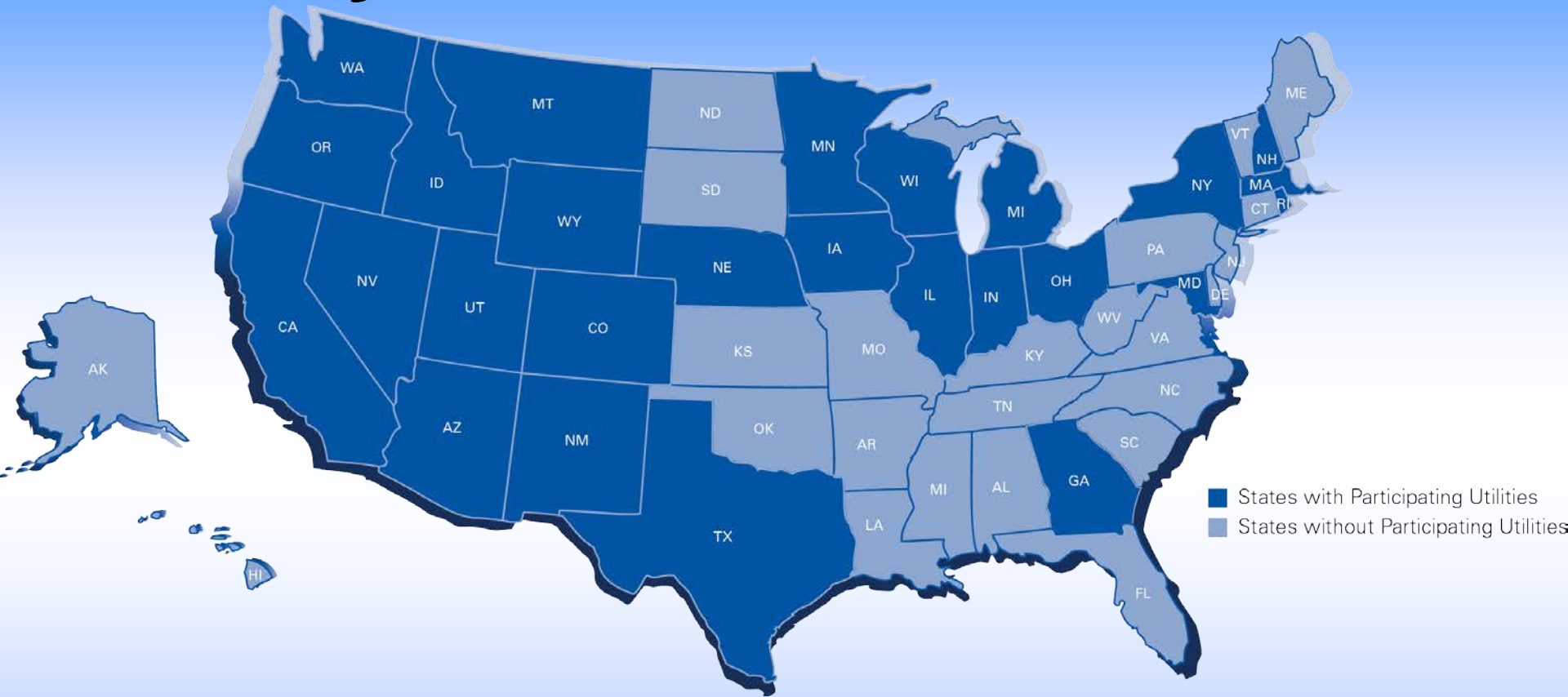
Congrats to our RAD Partners!

- In 2011, we processed nearly 900,000 appliances, preventing:
 - Emissions of ~950,000 pounds of substances that harm the ozone layer
 - Emissions of 2.4 MMTCO₂e or annual emissions of 467,000 cars
 - Over 145 million pounds of metal, plastic, and glass from going to landfills
 - And ensuring the proper handling of used oil, PCBs, and mercury

GHG Emissions Avoided by RAD Partners



Utility Partner Achievements



- On average, units collected by utility partners were >20 years old
- Utility partners saved 3.2 billion kWh, or \$424 million for consumers

Want to be the 50th RAD partner?



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Guidelines for Today's Working Session

Building on last year's first annual RAD working session, we will:

- Share experiences with other RAD partners and recyclers in an active, facilitated dialogue
- Learn from each other
- Please identify yourself when speaking

Goals of Today's Working Session

- Identify ways partners can collaborate to broaden our reach and environmental benefits
- Identify specific resources partners would like from the RAD Program
- Share trends and opportunities in appliance recycling
- Other goals?

Topic: Enhancing partnerships between utilities, retailers and manufacturers

- How can different partner types work together to broaden our reach?
- What are partners' experiences working together? What are the benefits?
- What are the barriers to working together? Concerns?

Topic: Refrigerant and foam recycling trends

- What are the opportunities available for handling foam?
- What are the challenges to expanding use of automated foam technology?
- What new refrigerant trends are partners or recyclers encountering?

Session Wrap-Up

- Looking ahead: Upcoming resources/events
 - Fact sheet
 - Foam handling technologies and best practices
 - Webinar
 - *Dec 2012*: RAD Annual Reporting 2012 Training Webinar
- Please remember to fill out a session evaluation form
 - Inc. what resources RAD can provide to help your program

Thank you for participating!



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