Welcome to the RAD Working Session!

ENERGY STAR Partner Products Meeting
RAD Working 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

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

OR
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
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

GHG Emissions Avoided (MTCO2eq)

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<th>Year</th>
<th>Durable Goods Recycling</th>
<th>Foam Recovery</th>
<th>Refrigerant Recovery</th>
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<td>2007</td>
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<tr>
<td>2008</td>
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<td>2011</td>
<td>2,500,000</td>
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Legend:
- **Yellow**: Durable Goods Recycling
- **Green**: Foam Recovery
- **Blue**: Refrigerant Recovery
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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