

Welcome to the 2017 Spring RAD Partner Meeting!

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April 26, 2017



Agenda



- **RAD Updates**

- Partner achievements
- Recent and upcoming RAD activities

- **Group Discussion**

- Feedback on recently developed resources for partners
 - Redesigned website, web widget, benefits messaging in annual reporting form, partner recruiting toolkit, and partner case studies
- Opportunities for program growth
 - Increasing appliance collection rates and recruiting new partners



RAD Updates

Recap of 2015 Partner Achievements



In 2015, RAD partners processed **810,200** units, including:



725,467 Refrigerators



3,250 Dehumidifiers



73,656 Stand-Alone Freezers



7,817 Air Conditioning Units

As a result, partners achieved the following impacts:

- **143 ODP-weighted MT of ODS emissions avoided:**
 - Protecting the Earth's ozone layer, the environment, and human health
- **2.8 million MTCO₂eq of GHG emissions avoided:**
 - Equal to the annual emissions from the electricity use of 415,000 homes
- **2.2 billion kWh saved**
 - \$307 million in consumer savings

Recent RAD Activities



- **2015 RAD annual report is available**

- Download a copy from RAD website:

<https://www.epa.gov/rad/responsible-appliance-disposal-program-2015-annual-report>



- **Benefits messaging added to 2016 annual reporting forms**

- New tab provides partners with tailored messages and figures to promote the benefits of their appliance recycling programs

Step 5: Key Messages and Figures to Promote Program's Benefits

Instructions: This section is required. The information below is for reference only and is not populated based on data entered in the Step 2 worksheet. The purpose of this worksheet is for EPA to provide RAD partners with key messages and figures to promote the benefits of their appliance disposal program.

RAD Results

In 2015, EPA collected and processed a total of 2,000 refrigerant-containing appliances through authorized practices. As a result, EPA successfully reduced emissions of ozone-depleting substances and greenhouse gases to help reduce energy consumption, increase the recycling of durable materials, and ensure the proper handling of hazardous substances.

Climate Benefits

In 2015, EPA achieved a reduction of 8,438 metric tons of carbon dioxide equivalent, which is equal to:

- greenhouse gas emissions from 1776 passenger vehicles driven for one year (1=1)
- carbon dioxide emissions from 852 homes' energy use for one year (1=1)
- carbon dioxide emissions from 201,321 incandescent lamps replaced by LEDs.

Of these emissions reduced, 28.6% can be attributed to recycling or destroying refrigerators, 16.4% to recycling or destroying from blowing apart, 2.7% to recycling durable materials (which avoids the need to produce virgin materials), and 54.3% to recycling old units from the grid.

Recent RAD Activities



- **Developed partner recruiting toolkits**

- Includes a handout on the benefits of becoming a RAD partner, an example partnership agreement form, and [The Benefits of EPA's RAD Program](#) document



- **Developed a RAD case study on DHSS**

- Available online at: <https://www.epa.gov/rad/resources>



Recent RAD Activities



New RAD Website

<https://www.epa.gov/rad>

RAD is a voluntary partnership program that works with utilities, retailers, manufacturers, states, affiliates, and others to dispose of old refrigerated appliances using the best environmental practices available—going beyond federal requirements to protect Earth's climate and ozone layer.

About

- [About the RAD Program](#)
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- [Annual Reports](#)
- [News & Events](#)

Partners

- [Partners & Affiliates](#)
- [Become a Partner](#)
- [Partner Roles & Responsibilities](#)
- [Program Results](#)
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Spotlight

[DHSS: The "First State" Becomes the First State Partner in EPA's RAD Program](#)
In 2013, the U.S. Environmental Protection Agency (EPA) welcomed the Delaware Department of Health and Social Services (DHSS) as the first state partner in EPA's RAD program.

[RAD Webinar: 2016 Reporting Form](#)
EPA hosted the annual RAD reporting form overview and training webinar on Wednesday, January 18, 2017.

[2016 RAD Annual Reporting Form](#)
RAD partners must submit the 2016 annual report on available program information.

[2015 RAD Annual Report](#)
This annual report presents RAD partners' achievements for 2015.

[Sears: A RAD Partner from the Start](#)
In 2007, one of the nation's leading home appliance retailers—Sears—became the first retailer to partner with RAD.

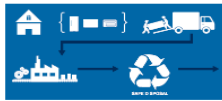
Why should I care about responsible appliance disposal?

- That old fridge or freezer is taking up space in your garage or basement. Replacing it could save you up to \$50 a year in energy costs. Plus, there are significant benefits for the environment and your community if you get rid of that old appliance—the RAD way. Specifically, the proper disposal of an old fridge or freezer will:
- Reduce your household energy consumption, which will save you money and prevent greenhouse gas (GHG) emissions
 - Avoid the release of ozone depleting substances (ODS) and GHGs, which contribute to ozone depletion and climate change
 - Save landfill space and energy by recycling—rather than landfilling—the metals, plastics, and glass contained in your appliance
 - Avoid the release of used oil, which can cause damage to the liver, brain, immune system, and reproductive system
 - Avoid the release of mercury, which can lead to impairment of neurological development and other problems associated with the human nervous system
 - Avoid the release of polychlorinated biphenyls (PCBs), which can have carcinogenic and non-carcinogenic health effects

Learn more about the benefits of RAD on the [Program Benefits](#) and [Program Results](#) pages.

How can I recycle my appliance the RAD way?

Use the [Find RAD Partner Programs](#) page to find a RAD partner program near you. Most RAD partner programs will pick up your old refrigerated appliances (such as a fridge, freezer, window air-conditioning unit, and dehumidifier) directly from your home. In some cases, they might even offer a financial incentive such as a reward or rebate for turning in your old units. These appliances will then be sent to a recycling facility capable of properly handling the environmentally harmful substances contained in the units, using the best environmental practices and technologies available.



- If a partner program is not currently available in your area:
- Check with your **state energy office** or **local electric utility**. Local utilities and energy-efficiency organizations support a growing number of refrigerator and freezer recycling programs. Some programs offer cash to recycle your old fridge; others offer utility bill credits.
 - Ask about **municipal pickup of appliances**. Your local waste management division or department of public works may offer heavy trash pickup and recycling programs for appliances. Contact them directly for information.
 - Talk to your **local scrap metal recycler**. Thousands of local scrap metal recyclers can recycle old fridges and freezers. Ask your scrap metal recycler for assurance that your old unit will be properly recycled. Learn more about the [concerns over appliance disposal today](#), to ensure responsible appliance disposal.

Appliances left curbside might be picked up by peddlers who may improperly vent refrigerant or otherwise dispose of the appliance in an unsafe manner.

Responsible Appliance Disposal (RAD)

[RAD Home](#)

- About the RAD Program
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Find RAD Partner Programs

RAD partner programs help protect the ozone layer and reduce emissions of greenhouse gases by disposing of older, inefficient refrigerated appliances using the best environmental practices and technologies available. Specifically, partners send appliances to recycling facilities capable of properly handling the environmentally harmful substances contained in the units, including foam insulation, resulting in significant environmental benefits. Click on a state in the map or use the table filters below to identify partner programs in your area.



Find RAD Partner Programs in Your State



The links below will take you to websites external to the EPA domain.
The following links exit the site: [EXIT](#)

Search all columns:

Program Name	State	Partner Type
Appliance Smart	GA, MN, OH, TX	Retailer
Best Buy		Retailer
Home Depot	CT, DE, DC, MD, MA, NH, NJ, NY, NC, PA, RI, VT, VA, WV	Retailer
Sears Holdings Corporation	ALL	Retailer
Spicher Appliances	MD, PA, VA	Retailer

Showing 5 of 5 programs (filtered from 57 total entries)

Recent RAD Activities




Consumer Outreach

Website Widget


U.S. EPA @EPA · Jan 17

We recently launched a new site to show the benefits of responsible appliance disposal. epa.gov/rad #RecycleResponsibly



U.S. Environmental Protection Agency
January 19 · 🌐

Looking to get rid of an old refrigerator or freezer? Find out how you can help protect the #environment and save money by recycling it properly with the Responsible Appliance Disposal (RAD) program.



For Consumers | Responsible Appliance Disposal (RAD) | US EPA

That old fridge or freezer is taking up space in your garage or basement. Replacing it could save you up to \$50 a year in energy costs. Plus, there...

EPA.GOV

Like Comment Share

We're Proud to be a **RAD** Partner



Responsible Appliance Disposal Program
RAD...

epa.gov/rad



Upcoming RAD Activities

- Processing 2016 partner reporting forms and developing the 2016 annual report
- Recruiting new partners
- Exploring partnership opportunities with universities
- Exploring opportunities to collaborate with RAD partners on community collection events
- Hosting a webinar on the new ODS and High-GWP Foam Destruction Methodology



Group Discussion

Reminders for Group Discussion



- Share experiences with other RAD partners and recyclers in an active, facilitated dialogue
- Be willing to learn from each other; keep an open mind
- Please identify yourself when speaking

Feedback on Recently Developed Resources for Partners



- Have these RAD resources been useful to your program?
 - New RAD website
 - Website widget
 - 2015 annual report
 - Benefits messaging tab in the 2016 annual reporting form
 - Partner recruiting toolkits
 - Partner case studies (Sears and DHSS)
- What other resources can RAD provide to better support and promote your program?

Opportunities for Program Growth



- What are opportunities and/or challenges associated with increasing collection rates, and how can RAD help?
- Are there specific opportunities for increased collaboration with marketing and co-branding?
- Are there opportunities to collaborate with RAD on community collection events?

Thank you for participating!



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Reminder: Please fill out the feedback form!