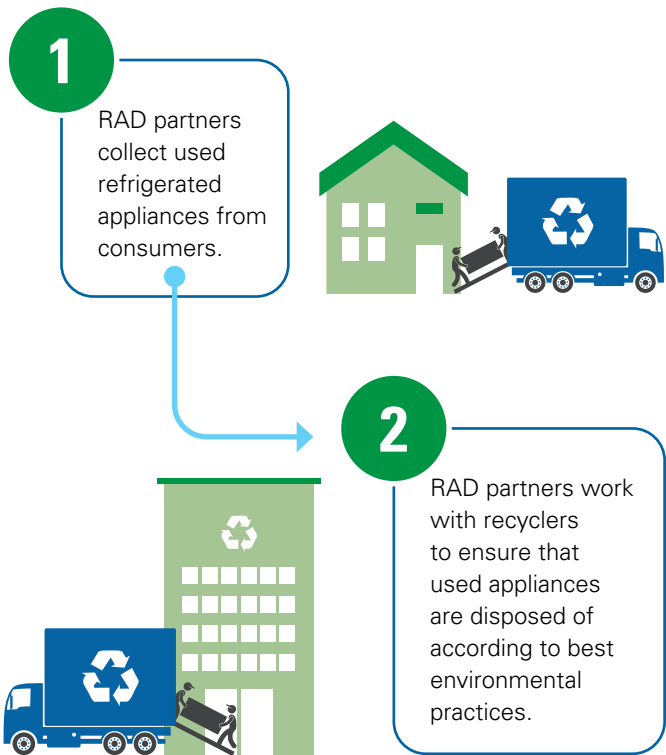


# 2019 Program Update

The Responsible Appliance Disposal (RAD) Program is a voluntary partnership program that works with utilities, retailers, manufacturers, state and local government agencies, waste removal service providers, affiliates\*, and others to collect used refrigerated appliances (e.g., refrigerators or freezers) and implement best environmental practices for the disposal of those units. RAD partners go beyond federal requirements to protect Earth's climate system and ozone layer, and, as a result of their commitments, prevent emissions that are harmful to the environment, prevent the release of hazardous substances, save landfill space through recycling, and reduce energy consumption.

## How Does RAD Work?



## 2019 RAD Results

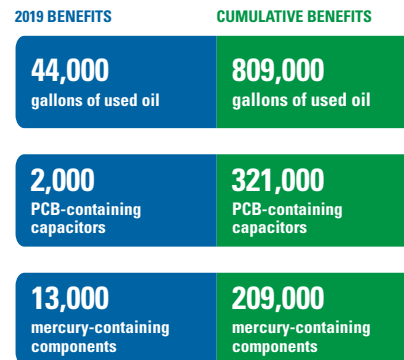
In 2019, RAD partners collected:



## 2019 and Cumulative RAD Partner Achievements

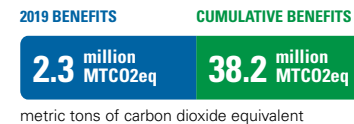
### Properly Handled Hazardous Waste

Properly disposed of:



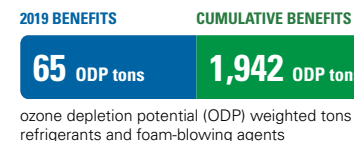
### Reduced Greenhouse Gas Emissions

Achieved a reduction of:



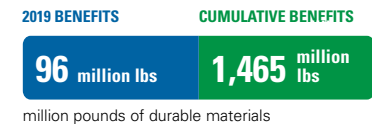
### Ozone Layer Protection

Avoided the release of:



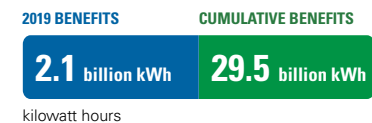
### Recycled Durable Materials

Recycled rather than landfilled:



### Energy Savings

Reduced energy use by:



\*Affiliates are a category for those who are supportive and advocate for the RAD program but do not process refrigerated appliances/foam themselves. For example, the Maryland Recycling Network is an affiliate.

## What Do RAD Benefits Mean To Consumers?

RAD partners have processed a total of 8,932,000 units since program inception in 2007, resulting in environmental benefits equivalent to the:



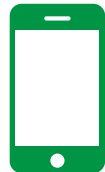
Carbon sequestered by 50 million acres of U.S. forests in one year.



Greenhouse gas emissions avoided by 13 million tons of waste recycled instead of landfilled.



Carbon dioxide emissions from 4.4 million homes' energy use for one year.



Carbon dioxide emissions from 4.9 trillion smartphones charged.

## Where Is RAD Headed?

The RAD program aims to increase public awareness of the importance of responsible appliance disposal and maximize environmental benefits by welcoming new RAD partners and increasing the appliance collection rates for existing partners through consumer outreach.

## RAD Partners

The RAD Program is continuously working to expand its reach and increase the number of RAD partners and affiliates. These efforts include welcoming new organization types, such as waste removal service providers and state and local governments. In 2019, the RAD program had 46 partners and affiliates across the United States.

**RAD Partners and Affiliates:** AEP Indiana Michigan Power | AEP Ohio | Baltimore Gas & Electric (BG&E) | Butler County Recycling and Solid Waste District | Cape Light Compact | City of Burbank Water and Power | Commonwealth Edison (ComEd) | Consumers Energy | Dayton Power and Light (DP&L) | Delaware Department of Health and Social Services (DHSS) | Delmarva Power | Dominion Energy South Carolina | Efficiency Smart | Eversource | Exquisite Property Services\* | FirstEnergy Maryland, Ohio, and Pennsylvania | Focus on Energy | Fort Collins Utilities | GE Appliances | Georgia Power | Home Depot | Indianapolis Power and Light | JDog Junk Removal & Hauling\* | Liberty Utilities | Los Angeles Department of Water & Power (LADWP) | Maryland Recycling Network\* | MidAmerican Energy Company | National Grid | New Jersey Board of Public Utilities | New York State Electric and Gas Corporation (NYSEG)/Rochester Gas & Electric (RGE) | NIPSCO | PECO Energy Company | Pepco | Power New Mexico (PNM) | PPL Electric Utilities | PSEG | Puget Sound Energy | Riverside Public Utilities | Sacramento Municipal Utility District (SMUD) | Sears | Southern Maryland Electric Cooperative (SMECO) | Turlock Irrigation District\* | UGI Utilities | Unil | Vectren | Xcel Energy

\*Joined RAD in 2019

For more information: <https://www.epa.gov/rad>