



# Environmental Benefits of Appliance Recycling



## FAST FACTS

## How does appliance recycling impact the environment?



Each fridge recycled keeps **over 150 lbs.** of material out of the waste stream. Recycling also keeps ozone depleting substances from being released into the environment.<sup>1</sup>

Every ton of plastic recycled (approximately 80 fridges) **saves 30 cubic yards** of landfill space.<sup>2</sup>



Each ton of glass recycled **saves 5 gallons of oil.** Each ton of plastic recycled **saves 16 barrels.**<sup>2</sup>

**95%** of the material in fridges and freezers processed in a recycling facility is recycled, or, in the case of hazardous waste, is disposed of in a safe manner.<sup>3</sup>



Approximately **140 lbs. of metal** are recovered per refrigerator recycled. Fridges contain several different kinds of metal such as; light iron, steel, tin, and copper.<sup>4</sup>

Metal recovered from refrigerators is shredded and melted down so it can be used again and again without much degradation. **Recycled metals are used in new projects** such as making parts for automobiles.<sup>5</sup>



### Sources

- 1 - [https://19january2017snapshot.epa.gov/rad/disposing-appliances-responsibly\\_.html](https://19january2017snapshot.epa.gov/rad/disposing-appliances-responsibly_.html)
- 2 - <https://lbre.stanford.edu/pssistanford-recycling/frequently-asked-questions/frequently-asked-questions-benefits-recycling>
- 3 - <https://www.epa.gov/section608/frequently-asked-questions-about-safe-disposal-refrigerated-household-appliances>
- 4 - <https://www.energystar.gov/sites/default/files/asset/document/Recycling%20with%20RAD.pdf>
- 5 - <https://www.cohenusa.com/blog/everything-you-need-to-know-about-scrap-metal-recycling/>