

# WASTE AND CLIMATE CHANGE

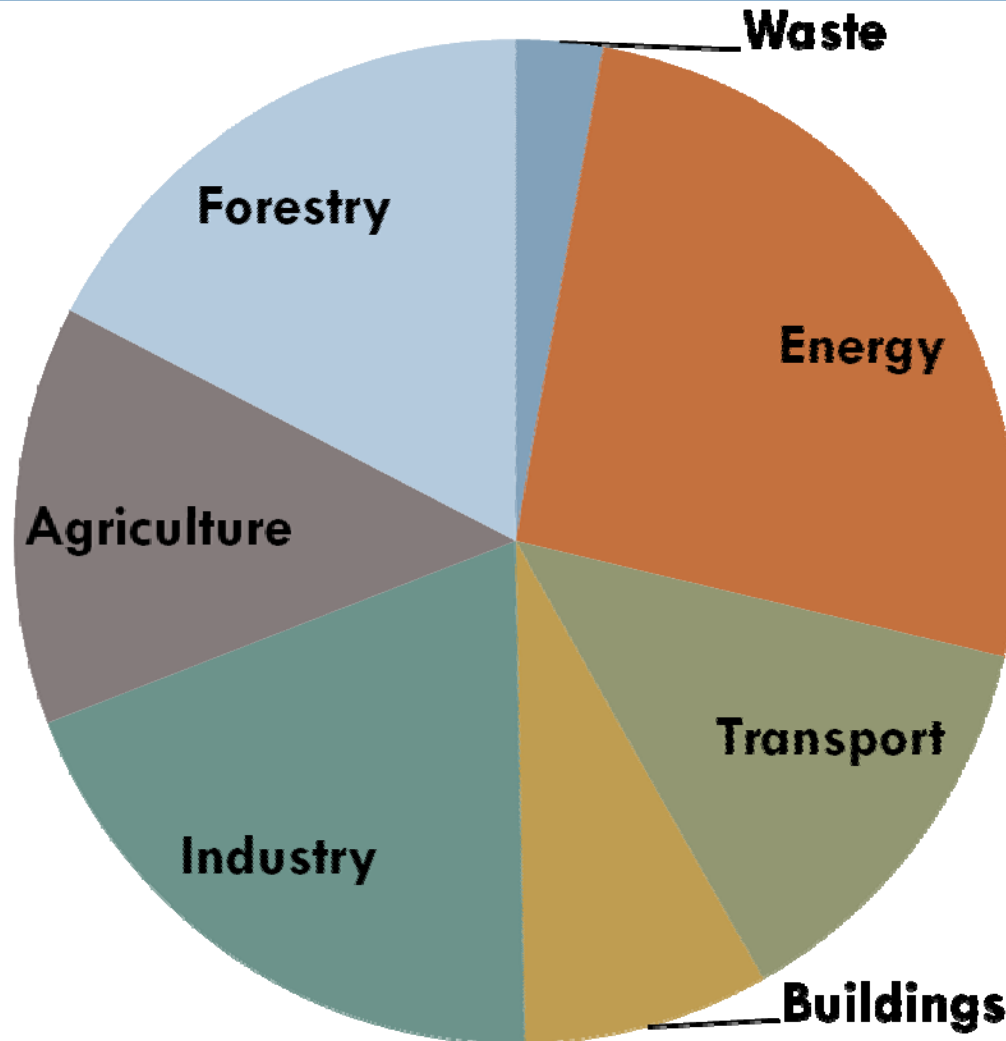
The Hidden Connection

Neil Tangri





# Greenhouse Gas Emissions by Sector



Source: IPCC Fourth Assessment Report, 2007



# Greenhouse Gases from Waste Facilities



Photo by Gerry Vandermaesen

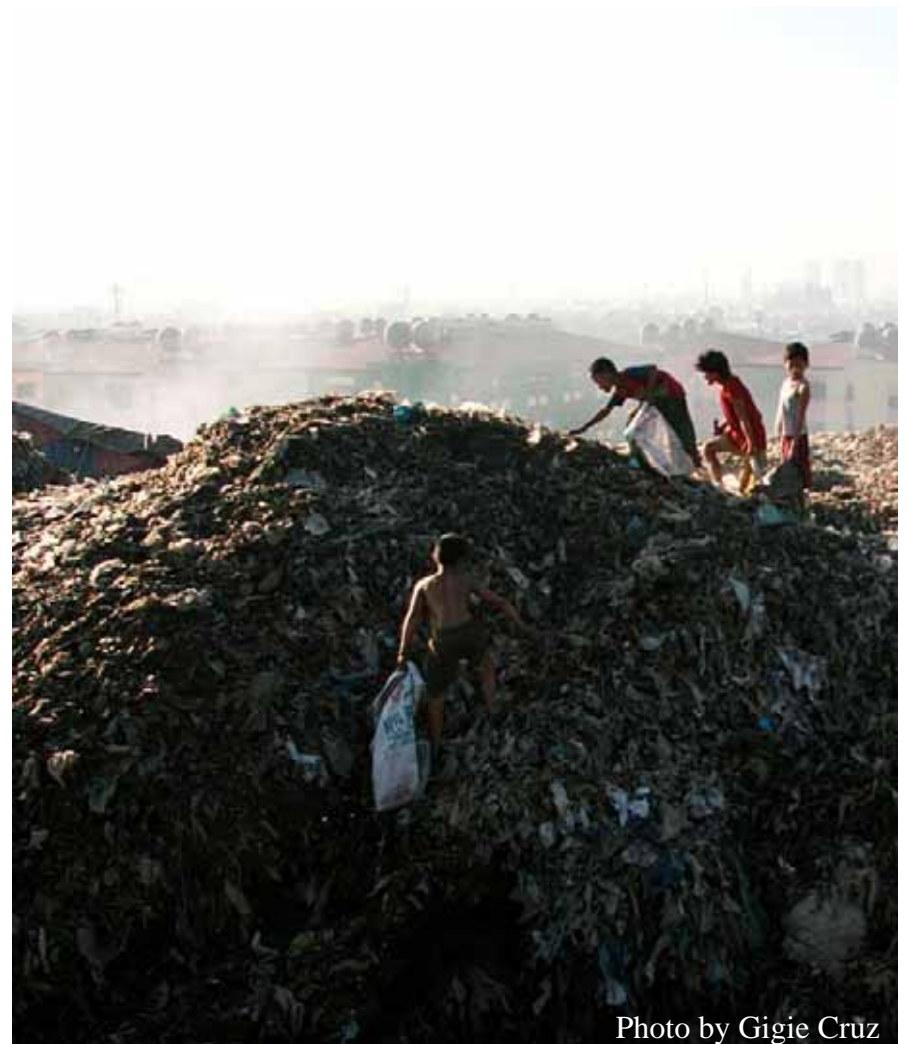
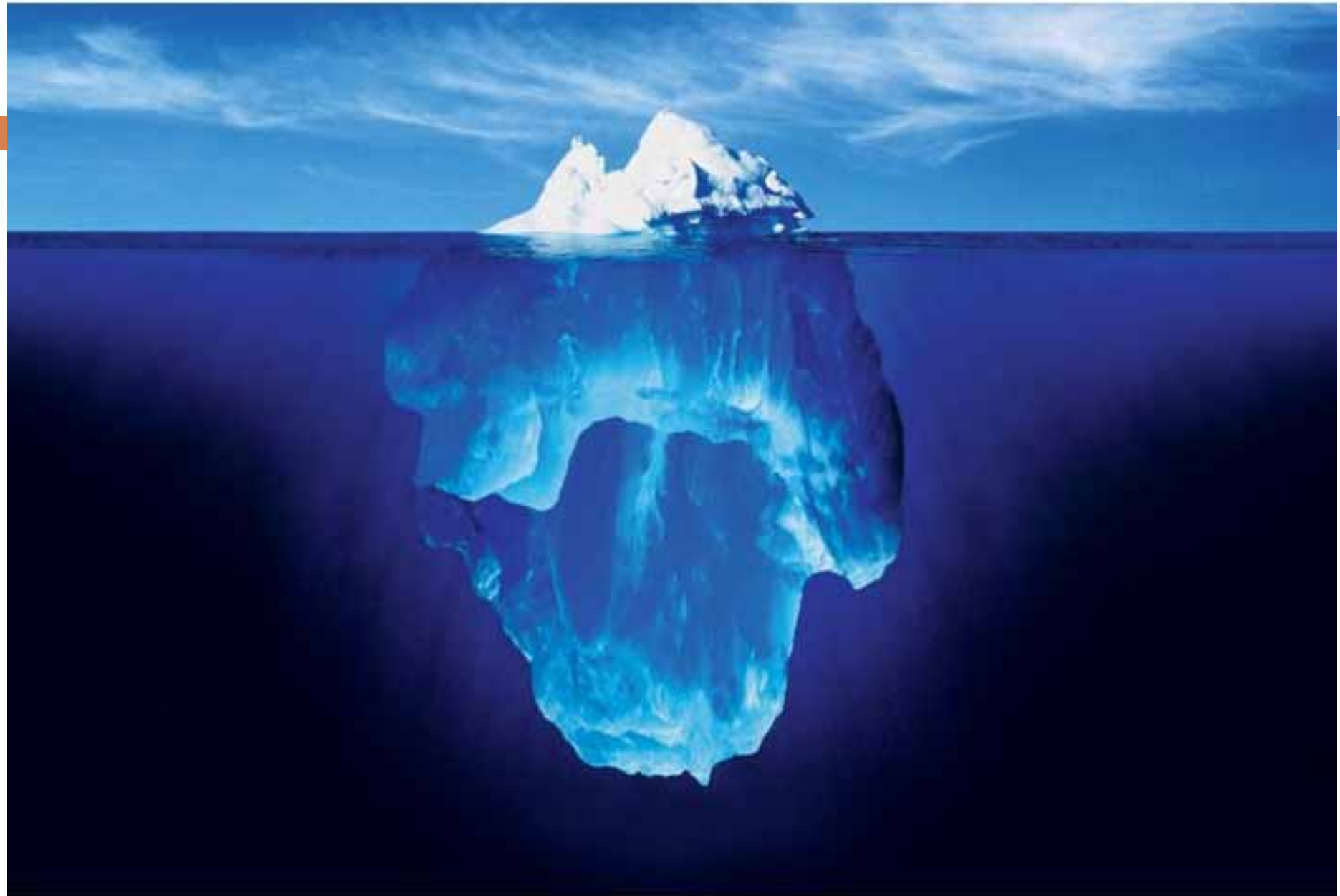


Photo by Gigie Cruz

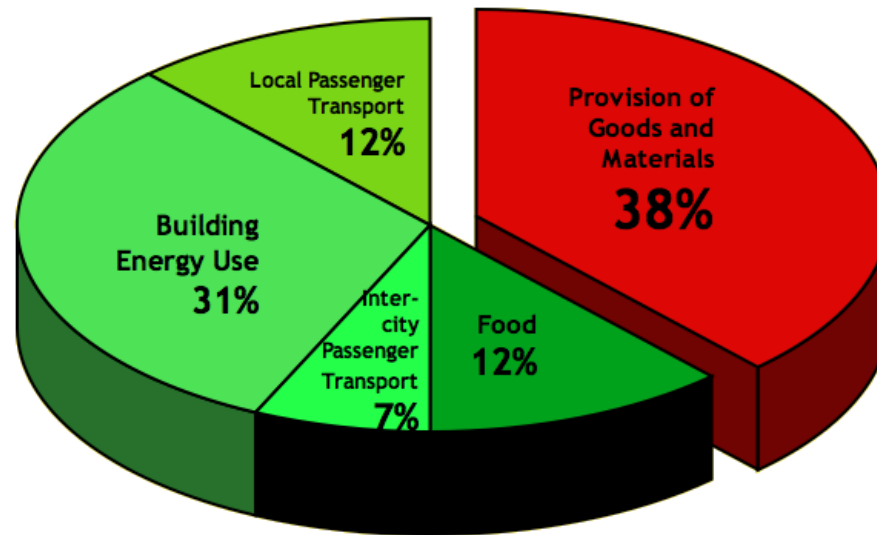


# How to Avoid Methane Releases?





# Greenhouse Gas Emissions

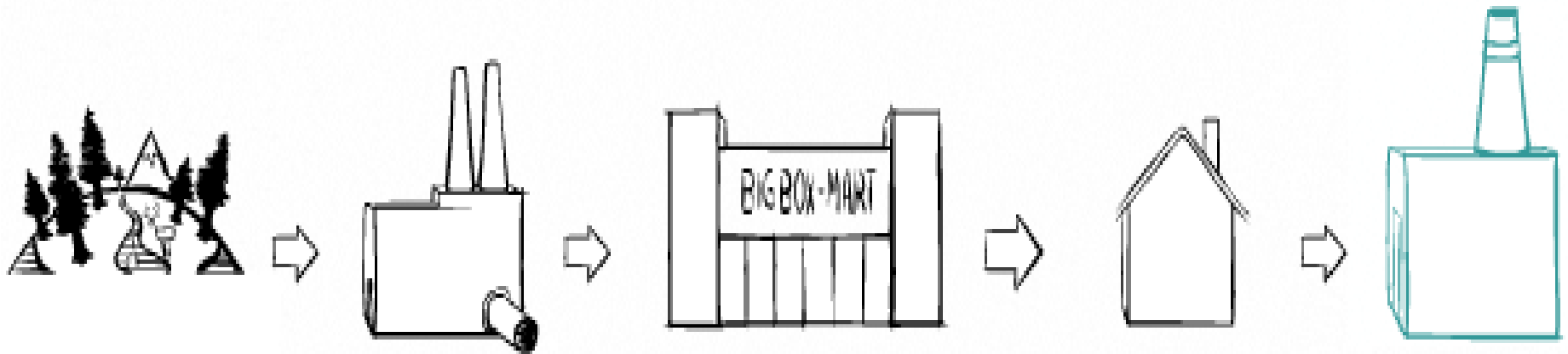


Source: USEPA preliminary



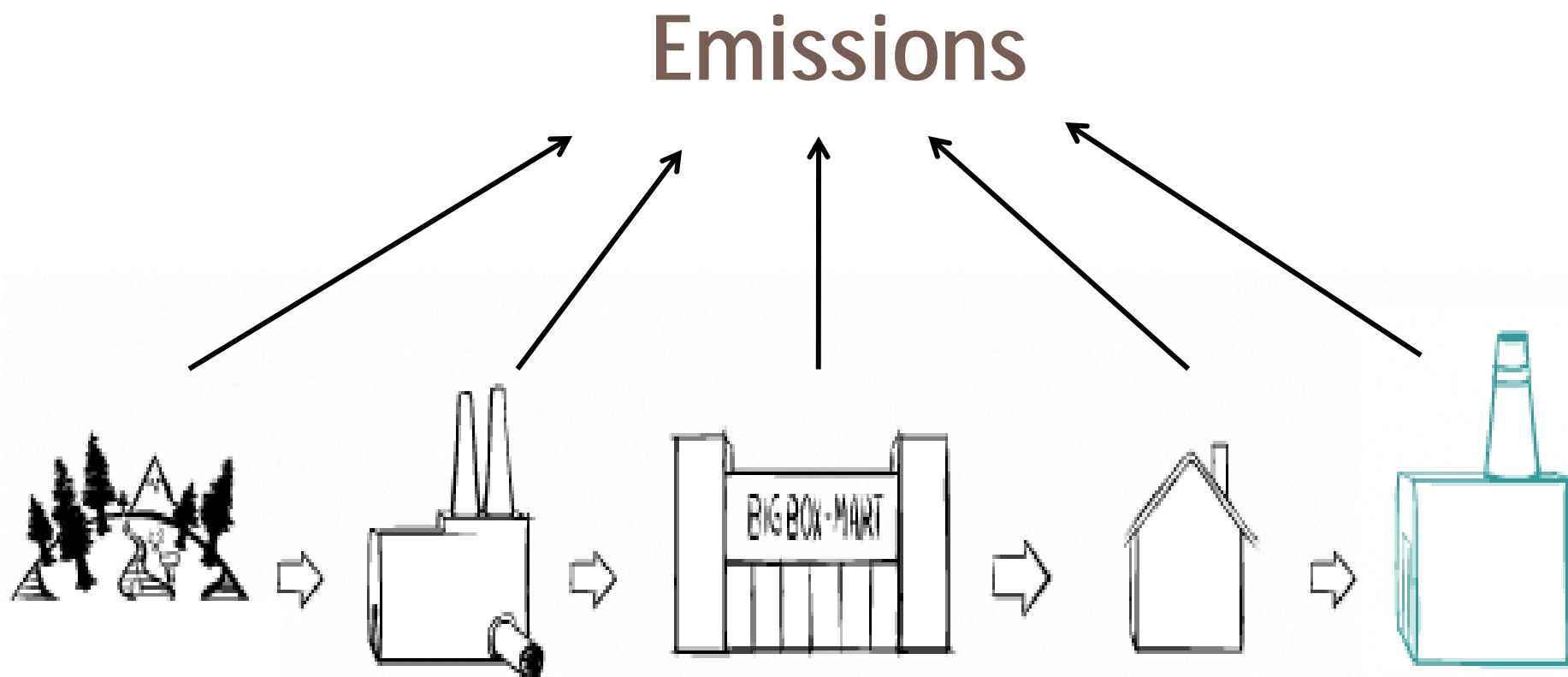
# Linear System of Production

Or “Story of Stuff”





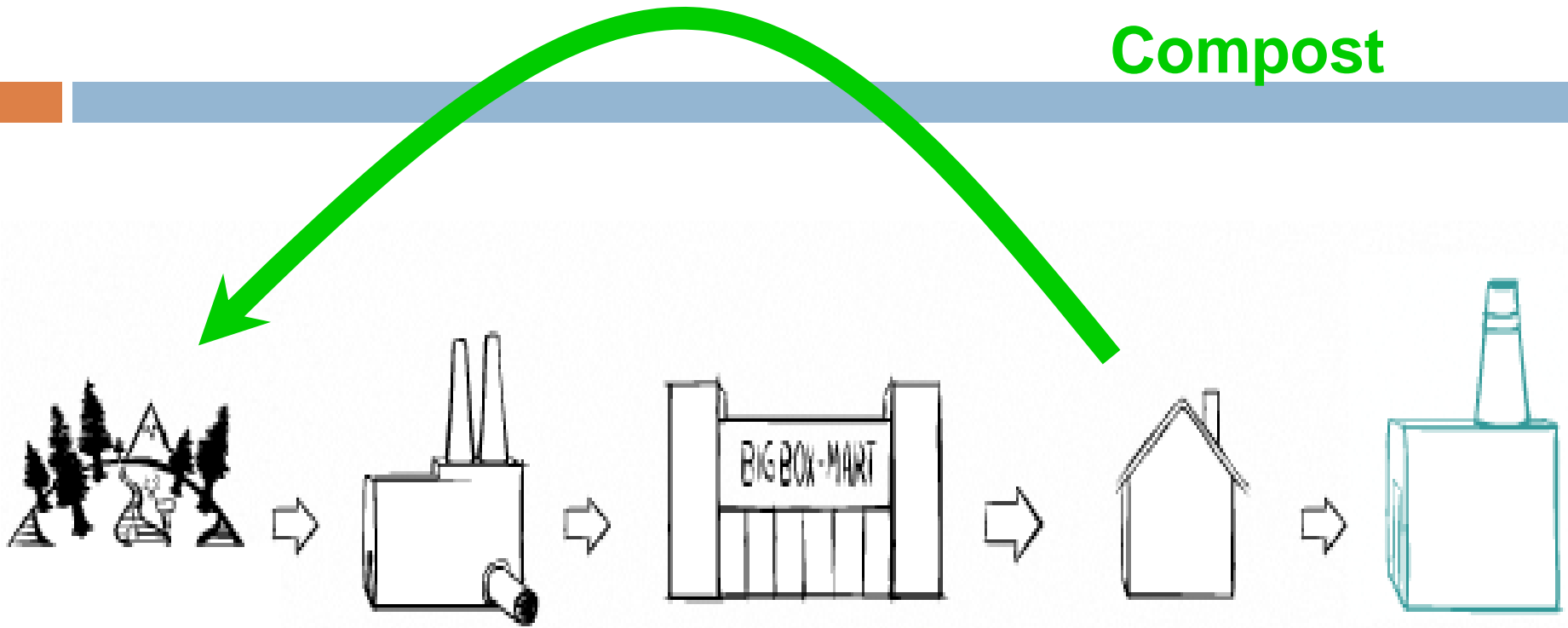
# Stuff = 38% of Greenhouse Gases





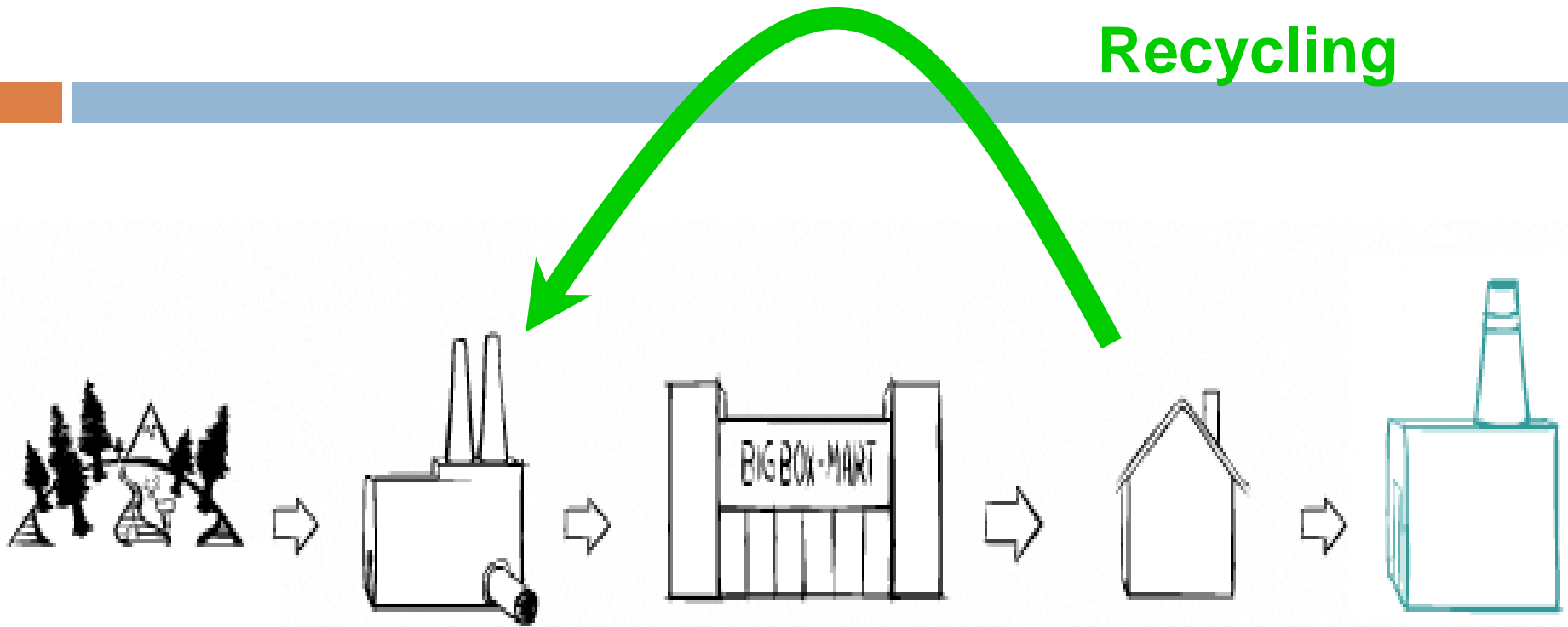


# Compost





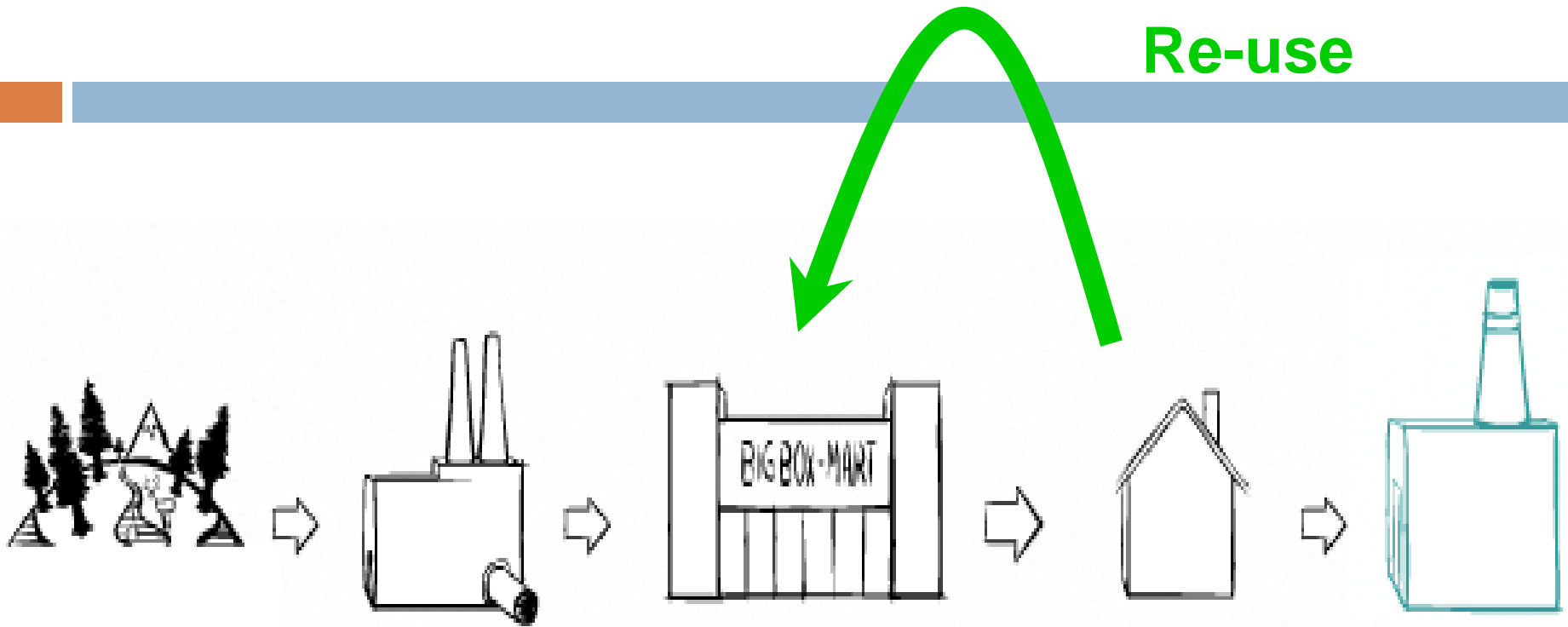
# Recycling



[www.StoryOfStuff.com](http://www.StoryOfStuff.com)

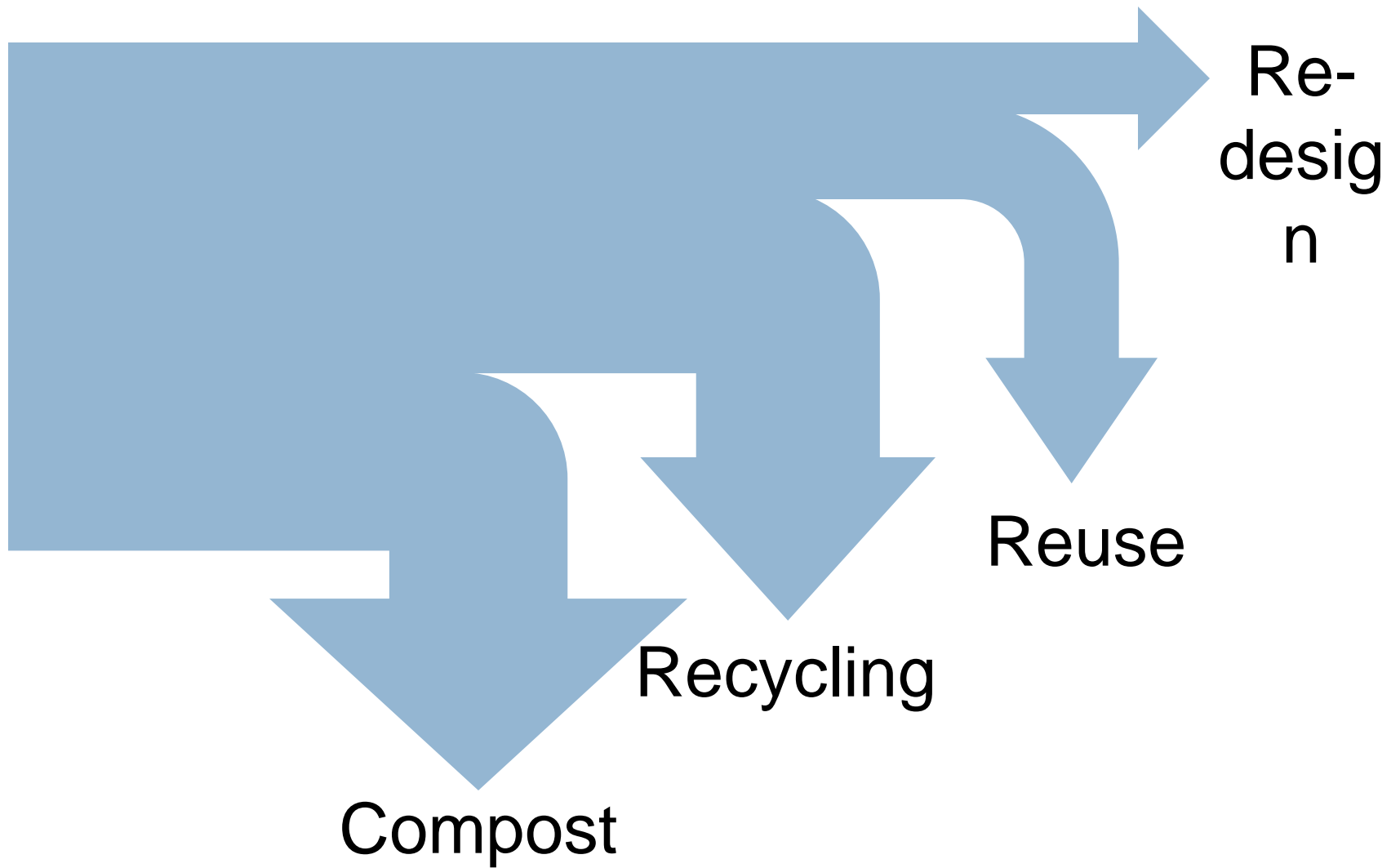


# Re-use



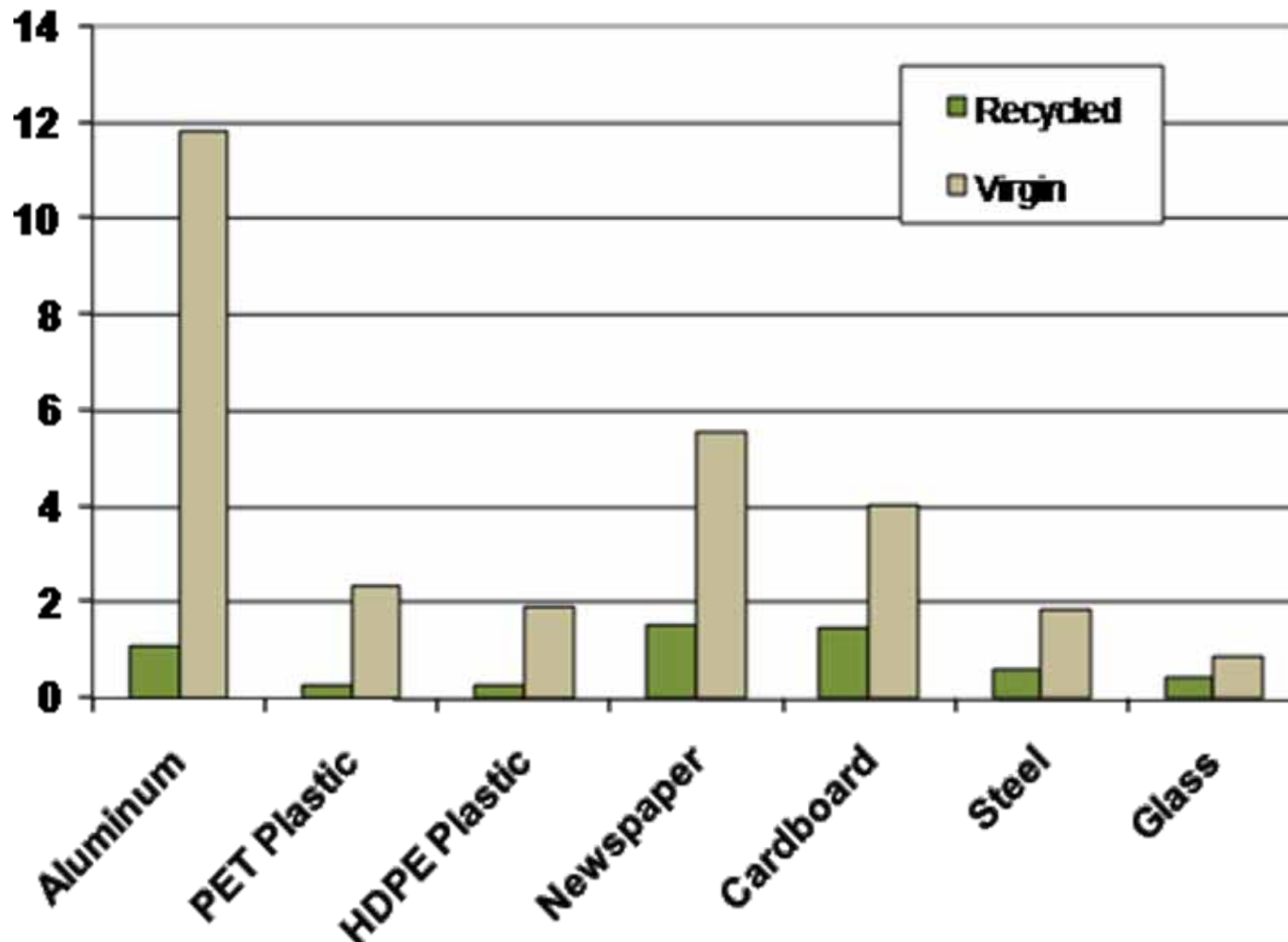


# Zero Waste





# GHG Emissions from Production

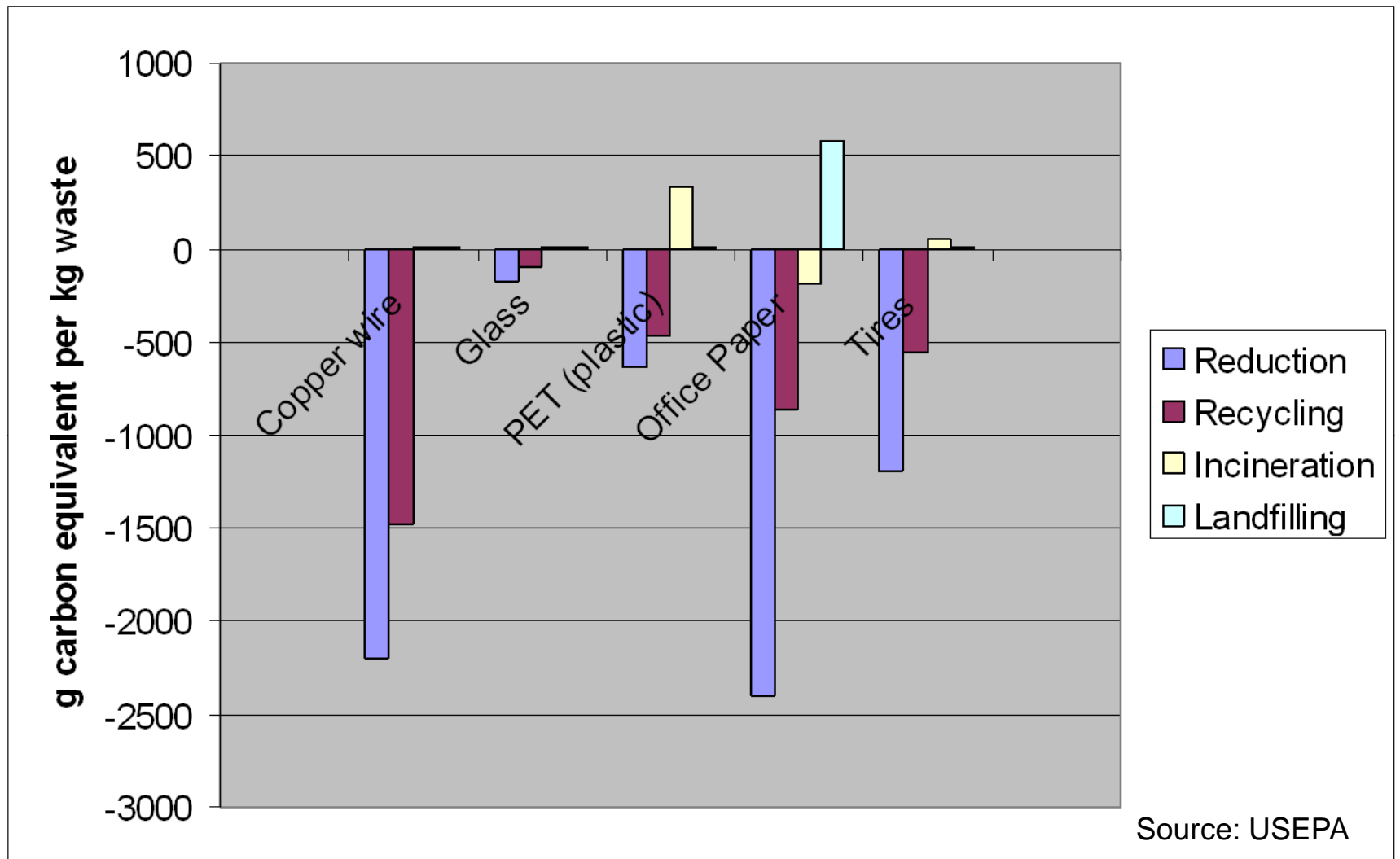


kg CO<sub>2</sub> equivalent/kg material

Source: Dr. Jeffrey Morris



# Net Emissions by Waste Mgt Option





# What Difference Will It Make?

- Each household that recycles easy-to-recycle items = one car off the road
- Doubling recycling rates = 25% of homes off the electric grid
- An incremental approach to Zero Waste = shutting 21% of coal-fired power plants



**Global Alliance for Incinerator Alternatives**  
**Global Anti-Incinerator Alliance**

**no-burn.org**

