



# Resource Efficiency



The world dumps **2.12 billion tons of waste** each year. But only

**16% of it is recycled.**

Plastic grocery bags take 20 years to decompose. A plastic straw can take 200 years. Plastic beverage bottles and cups can take up to **450 years.**

Some plastics may never biodegrade at all.



**Globally, 5 trillion plastic bags** are used every year. Switching to reusable grocery bags could dramatically reduce this number.



One ton of discarded computers **contains more gold** than can be produced from 17 tons of gold ore.

## Recycling saves energy

Recycling 15 glass bottles saves enough energy to power a laptop for 31.3 hours or run an air conditioner for 1 hour.



Every pound of recycled plastic brings down energy use in plastic production by 84% and **reduces greenhouse gas emissions by 71%.**



## Vegan diet helps save water

Adopting a vegan diet can help you save as much as 219,000 gallons of water every year.



The production of recycled paper results in **74% less air pollution and 35% less water pollution** compared to virgin paper production.



Energy needed to produce one aluminium can is enough to **recycle 20 aluminium cans**



Installing water-efficient fixtures such as a dual flush mechanism could **reduce the water consumption by 67%** while flushing toilets.



Agriculture already contributes to **11.6% of greenhouse gas emissions.**

Half of the habitable global land area is used for agriculture.



Current rates of global population growth will lead to a

**70% rise in food demand by 2050.**

But 13.8% of all our food is lost in supply chains.

The shipping of food, known as "food miles," could be responsible for as much as **6% of global annual greenhouse gas emissions.**

Buying locally grown and sourced food can help mitigate this.

