



## Resources:

Reduce Recycle Reuse (picture)

<http://changeyouchangetheworld.blogspot.com/>

Pizza Box Statistics:

<http://pizza.com/fun-facts>

What you can recycle:

<http://blog.ecycler.com/2010/11/01/can-i-recycle-a-pizza-box/>

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## What is Sustainability

*~A statement of longevity in survival through means of maximizing efficiency, while minimizing resource cost.*

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Engineering design 100

Section 10

Group 8

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**PIZZA TO  
GO...TO THE  
FUTURE**

**Fall 2013**

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## What are We trying to Accomplish

Are group goal is to make Penn state a more sustainable and efficient campus. We shall accomplish this through means off eliminating the need for paper based pizza boxes.

## Why Change the Pizza Box?

The pizza box is a great way to transport pizza, but is an awful product for sustainability. This is because pizza boxes, after used, cannot be recycled (grease residue left by the pizza). The cause for this is linked to the material that houses the pizza. It is of paper mesh and acts like a sponge when in contact with a pizza. Such a simple problem needs to be solved.



## Why Change is Good

In just a mile radius of the Penn state campus there are a total of 10 pizzerias. These pizzerias produce about 200,000 pizza boxes or about 31 tons of waste in our landfills each year. If our Better Pizza Box was implemented through out these establishments and community we could reduce that number down to 0. Even though this is a simple change Penn state will be that much closer to a sustainability

## What is the Better Pizza Box

A better version of the modern day pizza box that can not only be reused but also retains heat more efficiently and easy to use.

Examples of what the box can be used for :

- Businesses use the **Better Pizza box** instead of traditional cardboard and give a money incentive equal to the pizza box so consumers will return it
- Customer buys the **Better Pizza Box** for them selves and asks for the pizza company to use it instead of traditional pizza box.
- Business sell pizza box to consumers to buy and use every time they come for pizza

And the list goes on, but this just shows that you can implement the Better Pizza Box in a variety of ways.

## Benefits of the Better Pizza Box

- Recyclable (if needed)
- Easy to clean (aluminum material)
- keeps pizza warm (aluminum thermal properties)
- Endless ways it can be used to reduce waste and save money for both consumers and businesses alike.

