

BOTTLE to BOTTLE



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 Great Problem Seminar: Making Our World



STAINLESS STEEL

- Keeps water clean and reduces corrosion
- Creates a reusable product
- Durable
- Cuts down on long term costs
- 100% recyclable

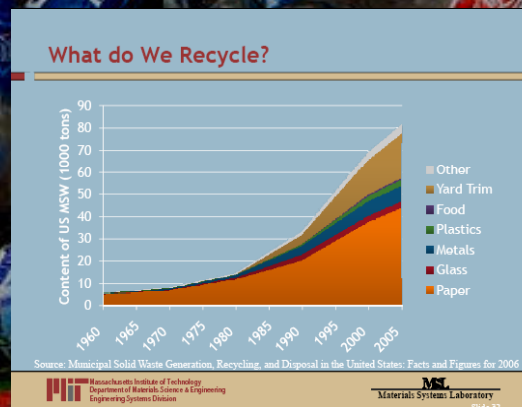
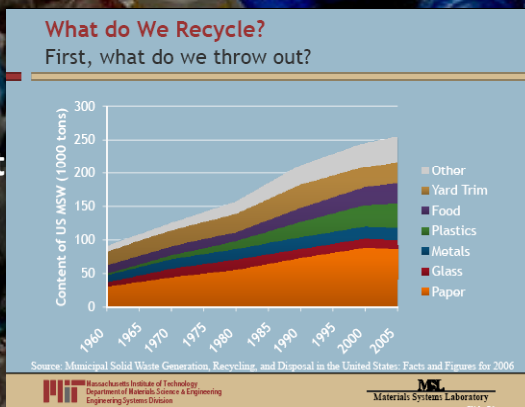
BOTTLE TO GRAVE

- It takes 3 liters of water to produce a 1 liter plastic bottle of water
- 60% of bottled water comes from untested water
- 17 million barrels of oil are associated with water bottle production
- 80% of bottled water is not recycled
- Filling a water bottle a quarter full with oil is equivalent with the energy used to produce the same bottle of water
- Plastic is one of the top waste products but does not earn the same rank for recycling



POLYMER PLASTIC

- 100% recyclable
- Economically efficient
- Saves water
- Saves oil
- Reduces CO2 and Methane emissions
- No waste



ON CAMPUS

- Eliminate the sales of traditional water bottles
- Set up an appropriate recycling system
- Stainless steel bottles can have certain logos, ex. Fraternity, Sorority, Sports Team, etc.
- Vending machines will provide purified water to fill up canteens
- DAKA will set up a system for washing the bottles



Examples of wasteful water bottles



Redesigned Poland Spring bottle

CURRENT SOLUTIONS

- Redesign of the traditional plastic water bottle -> still creates waste
- Biodegradable bottle made from corn -> not economically efficient
- Our Solution -> 100% recyclable polymer plastic water bottle



The biodegradable corn based water bottle