

**FOOD WASTE
OVERCOMING BARRIERS
PRESENTED BY**



ORGANIC
RECYCLING SOLUTIONS, LLC
E x c e l l e n c e i n S e r v i c e

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Food Waste as the Feedstock

Where does it come from?

Schools

Corporate Cafeterias

Hospitals

Prisons

Restaurants

Nursing Homes

Food processors

Residential



How Is It Sourced

Food Waste Separated at the generation point.

Training the generator

Making collection easy

Designated containers

Reducing contamination



What are some of the barriers?

- **Space Availability**
- **Contamination**
- **Unwilling Labor Force**
- **Odors**
- **Safety**
- **Limited Transportation Infrastructure**
- **Facility Infrastructure**

Transportation

64 and 32 gallon toters



Modified collection truck

What is food waste?



Pre consumer food waste

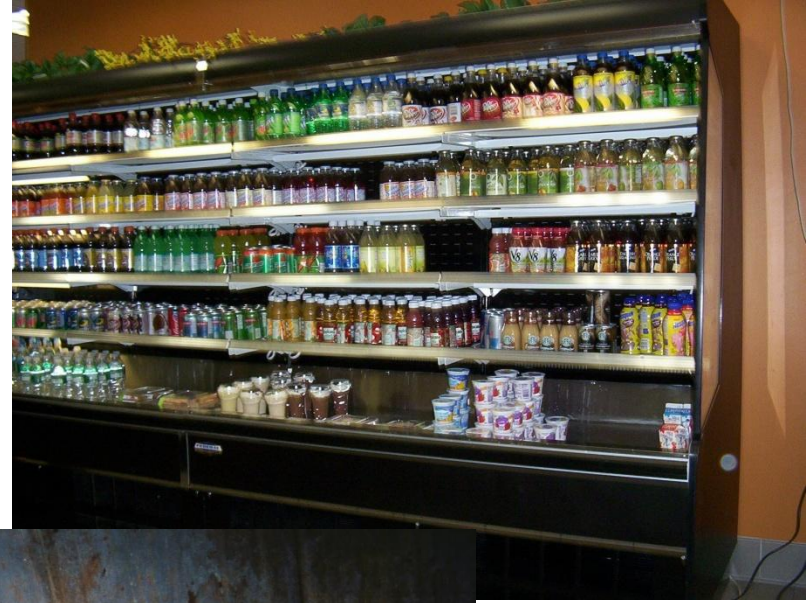
Post consumer food waste



What does it look like



Contaminant Challenge

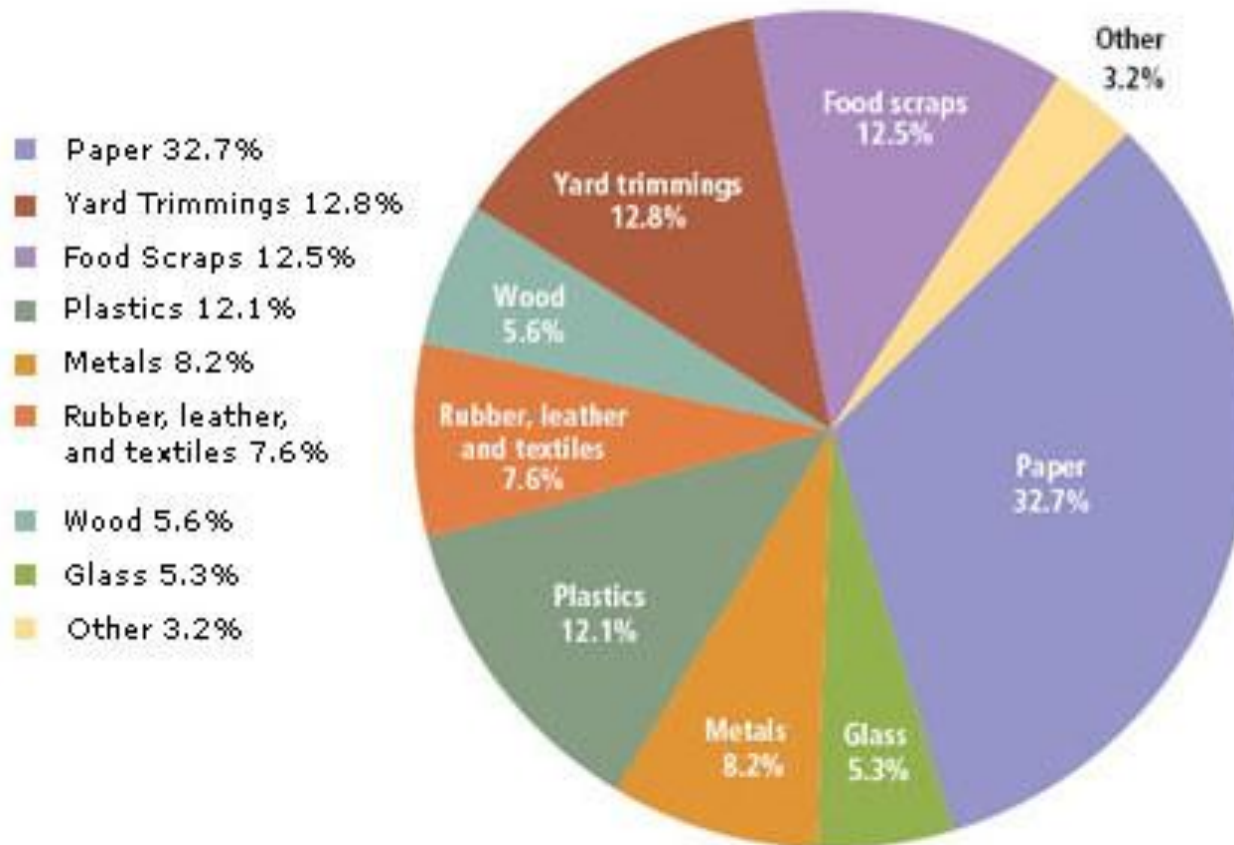


Additional Contaminants



How much food waste is there?

Total MSW Generation (by material), 2007
254 Million Tons (before recycling)



Demographics

Location	Population	Potential Recovery
New Jersey	8.7 million	1.6 million tpa
New York City	8.2 million	1.5 million tpa
Philadelphia	1.5 million	276,000 tpa
Total	16.9 million	3,376,000 tpa

Why is this important?

What can we do with food waste?

- Generate Biogas for **Pre-Heating** and **Drying** Sludge.
- Create Biogas to make vehicle fuels such as **CNG** and **LNG**.
- Manufacture **Organic Fertilizers**
- Make valuable soil amendments
“Compost”

Not just numbers on a page!

- **Tip Fees** (Philadelphia) - \$30.00 per ton, 276,000 tpy.
or **\$8.2 Million per year.**
- **Biogas Production-** \$4.50 per million BTU's
(based on the Henry Hub Price Index).
276,000 tons of food waste will generate
approximately 750 Billion BTU's per year or
\$3.75 Million.

What's Next



The question is;

Do we continue to put food waste into landfills? Or do we take this material to facilities dedicated to beneficial re-use?

Q & A

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