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Food Composting Technology and NC Facilities



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Food Waste Generation

North Carolina population 8,682,066

7 Million Tons/Years Disposed Waste in NC

(Residential, Commercial, Industrial – excluding C&D)

Food Residual is 12% or 839,865 Tons/Year



Hierarchy

- Reduction
- Feed Hungry People
- Animal feed
- Compost
- Landfill



Diversions

Feed the hungry

- **Donation of edible food from**
(60 Million Pounds in 2004 Recovered and Distributed)
 - **Food bank and rescue programs**
 - **Unsold edibles from grocery stores, wholesalers and processors**
 - **Perishable and prepared foods from restaurants, cafeterias and special events**
 - **Nonperishable processed foods (out of date canned food)**



Diversion

■ Animal Feed

- 66 Garbage Feeder permits for pigs in 2006
 - 117 in 1997



Diversion

- Backyard Composting





Diversion

Large scale composters

**5 Major Commercial Composting
Facilities that process food residuals**



Diversion



Brooks Contractors

**Nature's Green-Relief,
Division of Novozymes North
America, Inc**



**McGill Environmental Systems of North
Carolina, Inc**

2 Facilities – New Hill & Rose Hill NC



Diversion

- On-Site Composting
 - Vermi-Composting
 - General Assembly Building, Downtown Raleigh





Diversion

- On-Site Composting





Diversion

- On-Site Composting



Diversion

■ On-Site Composting





Diversions

- Orange County NC
 - 61% Waste Reduction Goal
 - 1994 – 1999 –Animal feed
 - 1999 – Composting – Brooks Contractor
 - UNC Chapel Hill, 5 Grocery Stores, 24 sites
 - Collecting over 1800 tons/year





Next Step

- Food Waste Task Force
 - Legislation
 - Education and outreach
- Train the trainer



Other Steps

- Food collection innovations







