FORRM

FOOD & ORGANIC RESIDUAL REDUCTION MANAGEMENT
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Food Recovery Hierarchy

1. Source Reduction
   - Reduce the volume of surplus food generated

2. Feed Hungry People
   - Donate extra food to food banks, soup kitchens, and shelters

3. Feed Animals
   - Divert food scraps to animal feed

4. Industrial Uses
   - Provide waste cells for rendering and fuel conversion and food scraps for digestion to recover energy

5. Composting
   - Create a nutrient-rich soil amendment

6. Landfill/Incineration
   - Last resort to disposal

Source: EPA (Environmental Protection Agency)
EPA FOOD RECOVERY HIERARCHY

- **SOURCE REDUCTION**
  - We all waste food, we can all work to reduce wasting food.

- **FEED HUNGRY PEOPLE**
  - In far too many cases still-good, wholesome food landfilled, while many experience “food insecurity”

- **FEED ANIMALS**
  - When done safely (consider animal health and safety protocols), this can save farmers & companies money

- **INDUSTRIAL USES**
  - Using food waste to create biofuels (i.e.: digestion, biodiesel, etc.)

- **COMPOST**
  - Turning food waste into soil nutrients (backyard, large-scale)

- **LANDFILLING/INCINERATION**
  - Assume energy produced
INITIAL PROJECT IDEAS

• SOURCE REDUCTION
  • CREATE A WISCONSIN SPECIFIC NUMBER FOR THE PER POUND COST OF FOOD WASTE DISPOSAL FOR FOOD PROVIDERS BASED ON LOCAL HAULING AND DISPOSAL RATES.
  • RESEARCH ANY COST ANALYSIS TOOLS THAT FOOD PROVIDERS USE TO DETERMINE THE AMOUNT OF FOOD TO ORDER AND DETERMINE IF THEY ARE ACCURATELY PORTRAYING THE COST OF FOOD DISPOSAL.
  • EDUCATION ON FOOD DATE LABELING

• FEED HUNGRY PEOPLE
  • WORK WITH FOOD PANTRIES AND LAWYERS TO CREATE AN OUTREACH DOCUMENT FOR SPECIAL EVENTS - HOW TO SET UP FOOD DONATION PLAN PRIOR TO EVENT SO THAT FOOD THAT IS STILL GOOD MEETS DONATION STANDARDS & BE KEPT SEPARATE FROM FOOD THAT DOESN’T
  • EVALUATE GAPS IN LOGISTICS FOR MOVING/STORING STILL-GOOD FOOD TO PANTRIES/SHELTERS
INITIAL PROJECT IDEAS

• FEED ANIMALS
  • WORK WITH DATCP, THE UW VETERINARY SCHOOL AND THE DNR TO CREATE A FLOW CHART COMPANIES CAN USE TO DETERMINE IF THEIR ORGANIC MANUFACTURING WASTE WOULD BE ACCEPTABLE FOR ANIMAL FEED-
    • INCLUDE ANIMAL TYPE SUITABILITY AND WHAT USDA/APHIS REQUIREMENTS THEY WOULD HAVE TO MEET.

• INDUSTRIAL USES
  • CREATE AN OFFSHOOT OF THE MARKETS DIRECTORY FOR ORGANIC MATERIALS SUCH AS CARCASSES, FATS/OILS/GREASE (FOG), LIQUID INDUSTRIAL ORGANICS, EVENT (SMALL/MEDIUM-SIZED) POST-CONSUMER FOOD WASTES ETC.
INITIAL PROJECT IDEAS

• COMPOST
  • CREATE A LISTING/MAP OF ALL OPERATIONS TAKING FOOD WASTE - UNLICENSED ON-FARM COMPOST OPERATIONS, LICENSED COMPOST OPERATIONS AND ACTIVE MUNICIPAL SOLID WASTE LANDFILLS (LIST TIPPING FEES) - DISTRIBUTE TO GROCERY STORES IN THE STATE WHO WANT A FOOD COMPOSTING PROGRAM AS DECISION-MAKING TOOL
  • SURVEY YARD WASTE COMPOST SITES - DETERMINE INTEREST AND/OR SUITABILITY FOR ADDING SOURCE SEPARATED ORGANICS

• LANDFILLING/INCINERATION
  • RESEARCH THE IMPACTS OF REMOVING ORGANICS FROM MSW LANDFILLS ON LEACHATE AND GAS GENERATION AND VOLUME REDUCTION OF THE WASTE MASS.
  • CREATE A COST ANALYSIS COMPARING THE AMOUNT OF MONEY LANDFILLS RECEIVE PER TON OF FOOD WASTE AND THE AMOUNT THEY SPEND MANAGING ORGANICS ONCE LANDFILLED.
OTHER PROJECTS AS RESEARCH UNFOLDS