Business Recycling

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Progress toward state waste management goals

- **Recycling**
  - 2010: [Bar Graph]
  - 2011: [Bar Graph]
  - 2012: [Bar Graph]
  - 2013: [Bar Graph]
  - 2015 Goals: [Bar Graph]

- **Organics Recovery**
  - 2010: [Bar Graph]
  - 2011: [Bar Graph]
  - 2012: [Bar Graph]
  - 2013: [Bar Graph]

- **Resource Recovery**
  - 2010: [Bar Graph]
  - 2011: [Bar Graph]
  - 2012: [Bar Graph]
  - 2013: [Bar Graph]

- **Land Disposal**
  - 2010: [Bar Graph]
  - 2011: [Bar Graph]
  - 2012: [Bar Graph]
  - 2013: [Bar Graph]
Commercial Waste

- 55% of the waste disposed in the county is produced by the commercial sector
- More than half of generated waste could be recycled or composted
Commercial Waste Disposed

- Organics: 35.0%
- Other: 29.0%
- Metal & Glass: 5.0%
- Plastic: 15.0%
- Paper: 16.0%
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Hennepin County Public Works
Recycling’s Role in Sustainability

• Environmental Benefits
• Economic Benefits
• Social Benefits
Materials Flow Benefit
Energy Savings

Exhibit 1: Energy Savings Per Ton Recycled* (Million Btu)

- Aggregate: 0.6
- Textbooks: 0.7
- Magazines/third class mail: 1.1
- Glass: 2.7
- Fly Ash: 5.3
- Office Paper: 10.2
- Phonebooks: 11.9
- Corrugated Cardboard: 15.7
- New spaper: 16.9
- Steel Cans: 20.5
- Personal Computers: 44.0
- HDPE: 51.4
- PET: 53.4
- LDPE: 56.5
- Copper Wire: 83.1
- Carpet: 106.1
- Aluminum Cans: 206.9

Million Btu/ton
Economic Benefits

• Recycling creates 5 times more jobs than landfilling - materials sorters, dispatchers, truck drivers, brokers, sales representatives, process engineers, and chemists

• 2011 - 36,981 - total job activity associated with recycling manufacturing including downstream jobs
Recycling is Expensive?

• Collection costs of recycling and waste similar
• Garbage tipping fees $45-50/ton plus taxes and fees – 17% state, 14.5% county
• Recycling has value – currently around $100/ton – processing cost $60-75/ton
• Organics and recycling tax exempt
Social Benefits

• Demonstrates environmental responsibility which customers value
What need business to do

• Review recycling practices – containers well signed and marked – employees know what to recycle?
• Convert collection to single stream
• Recycling all materials – what are you missing and from where?
• Generate organics – food and food soiled paper?
Recycling Guide

Paper
- Mail, office and school papers
- Magazines and catalogs
- Newspapers and inserts
- Phone books
- Shredded paper in closed paper bags
Boxes:
- Cardboard
- Cereal and cracker boxes
- Shoe boxes, gift boxes and electronics boxes
- Toothpaste, medication and other toiletry boxes

Plastic
Bottles & jugs:
- Water, soda and juice bottles
- Milk and juice jugs
- Ketchup and salad dressing bottles
- Dishwashing liquid bottles and detergent jugs
- Shampoo, soap and lotion bottles
Cups and containers:
- Yogurt, pudding and fruit cups
- Disposable cups and bowls
- Margarine, cottage cheese, and other containers
- Produce, deli and take-out containers
Packaging:
- Clear packaging from toys and electronics

Metal
- Food and beverage cans

Glass
- Food and beverage bottles and jars

Cartons
- Milk cartons
- Juice boxes
- Soup, broth and wine cartons

Don’t recycle: Styrofoam™, plastic wrap, microwaveable food trays, paper soiled with food, paper plates and towels, drinking glasses, dishes, mirrors and containers that held hazardous products.

Hennepin County Public Works
Organics Recycling

• Food-to-People
• Food-to-Livestock
• Composting
Business Recycling – What Else?

• Batteries
• Electronics
• Plastic film
• Polystyrene
• Pallets
• Cooking oil
• And more…

http://www.rethinkrecycling.com/businesses/recycling-disposal-info/materials-name
Business Recycling Grants

• Grants of up to $50,000 to divert recyclables and organics from the trash
  – Option 1: Up to $10,000, no match; containers must be 60% or more of the total grant request
  – Option 2: Up to $50,000, 25% match for grants more than $10,000; no container requirements

• Most businesses and non-profits in the county are eligible to apply
Business Recycling Grants

• Eligible expenses include
  – Containers, compactors, balers
  – Compostable or reusable foodservice ware
  – Compostable plastic bags (6 month supply)
  – Recycling or organics hauling (3 month coverage)
  – Minor upgrades to docks and enclosures ($5,000 limit for small businesses; $10,000 limit for large business)
Business Recycling Grants

• Our staff is ready to help!
  – Meet with businesses to evaluate opportunities to start or improve recycling and organics recycling
  – Answer questions and help businesses apply for a grant
  – Provide signs for containers and educational material for employees
  – Analyze costs
  – Supply promotional and educational materials
Thank you!

www.hennepin.us/businessrecycling

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