

Minneapolis Public Works Department

Solid Waste & Recycling Briefing
Transportation and Public Works Committee
October 12, 2010



MN Historical Society

THE WORKS

MINNEAPOLIS DEPARTMENT OF PUBLIC WORKS

Solid Waste & Recycling Briefing



Presentation Outline

- Department Overview
- Regulatory Framework
- Upcoming Issues
- Next Steps

Department Overview

- **Mission**

- Protect the health and safety of Minneapolis residents by providing solid waste management services that result in a clean and livable city.

- **Guiding Value**

- **A CLEAN CITY IS JOB ONE**, and the job is carried out in a safe, environmentally protective, and cost effective manner.

- **Funding**

- Monthly user fees, sale of metals and recyclables and a Hennepin County Recycling grant.

Customer Demographics

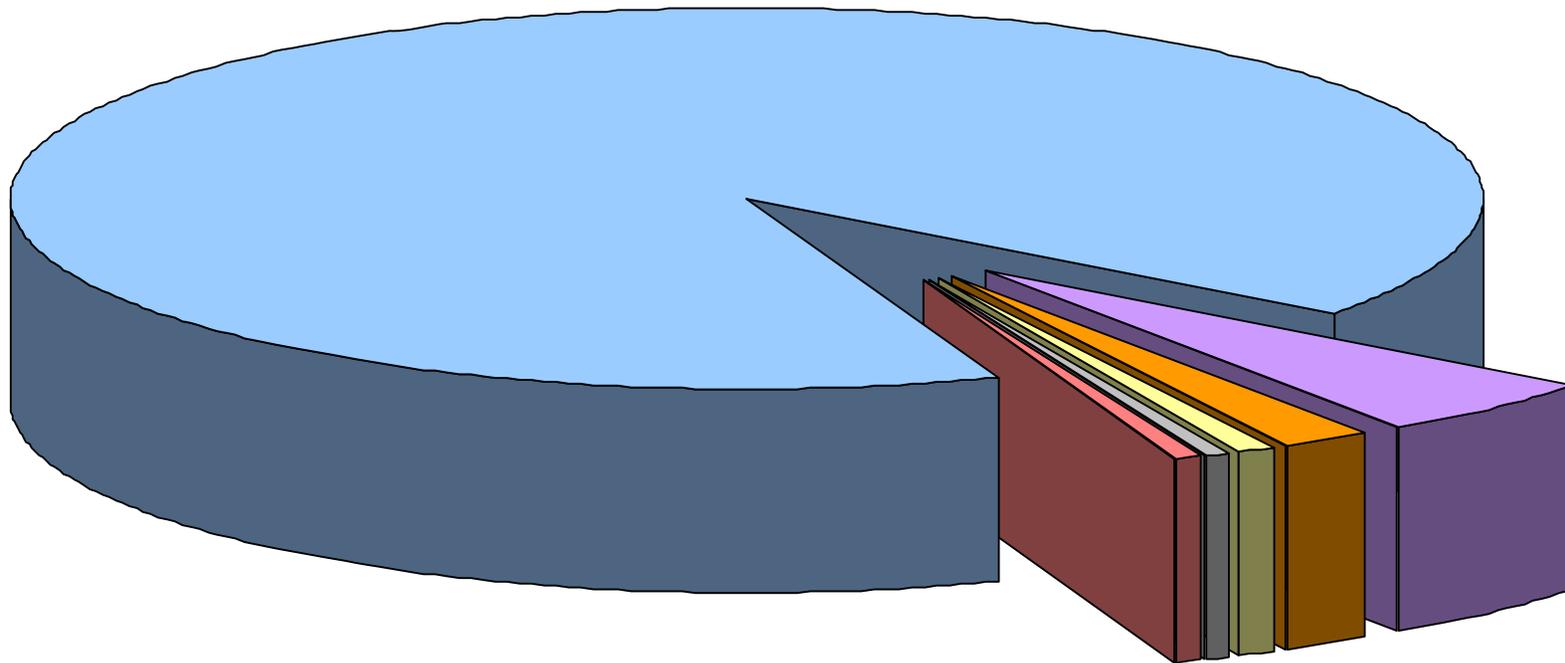
- Serve 105,000 Dwelling Units.
- 48 percent of these dwellings are rental.
- All 1 – 4 unit residential buildings and townhouse complexes.
- 92 languages spoken.

Department Overview

- Full service provider.
 - Garbage
 - Recycling
 - Problem Materials
 - Transfer Stations with Drop-off Services
 - Clean City Activities
- City provides billing, customer service, recyclables, problem material processing, and disposal for the entire city.
- Garbage collection services are split evenly between city employees and a consortium of private haulers under contract with the city.

Department Overview

Solid Waste & Recycling Funding



■ Fees

■ Recycling

■ County Grants

■ Clean City

■ Scrap/Equipment Sales

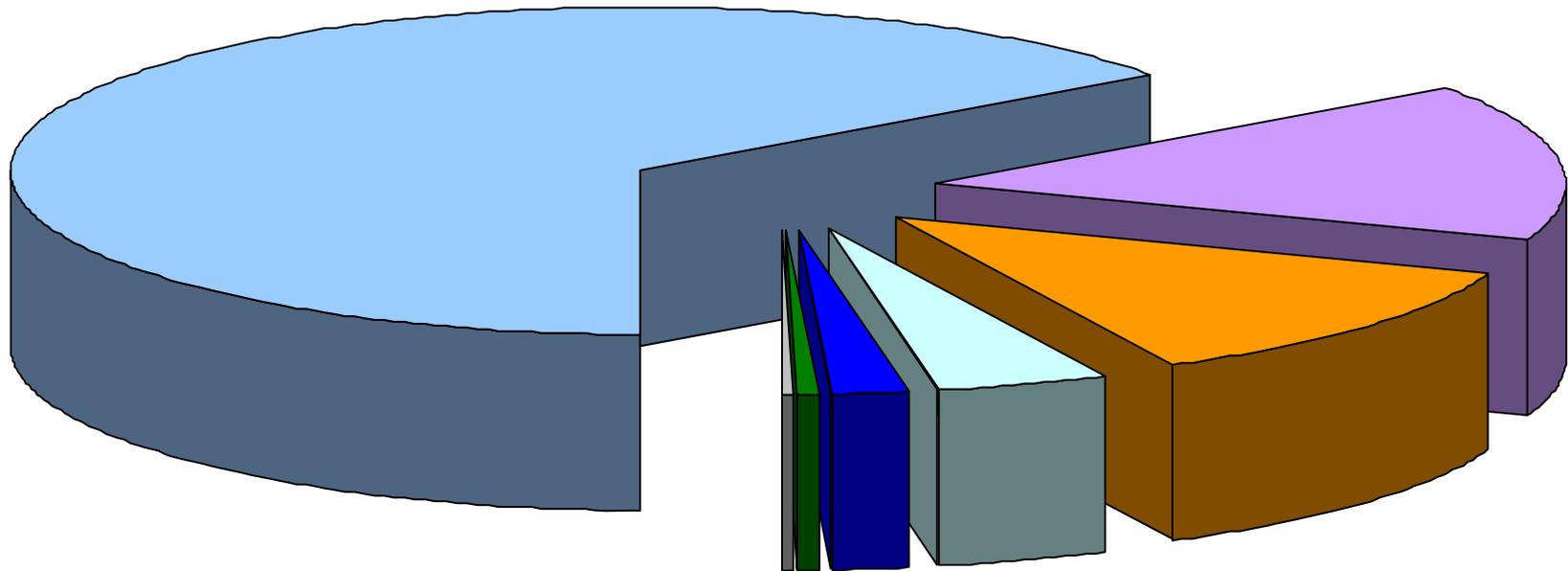
■ Transfers In

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Department Overview

2009 Collection Tonnages



Garbage	Yard Wastes	Curbside Recyclables
Construction & Demo	Problem Materials	TV's, computers, electronics
Source Separated Organics	Tires	HH Batteries
Motor Oil		

Department Overview



Garbage

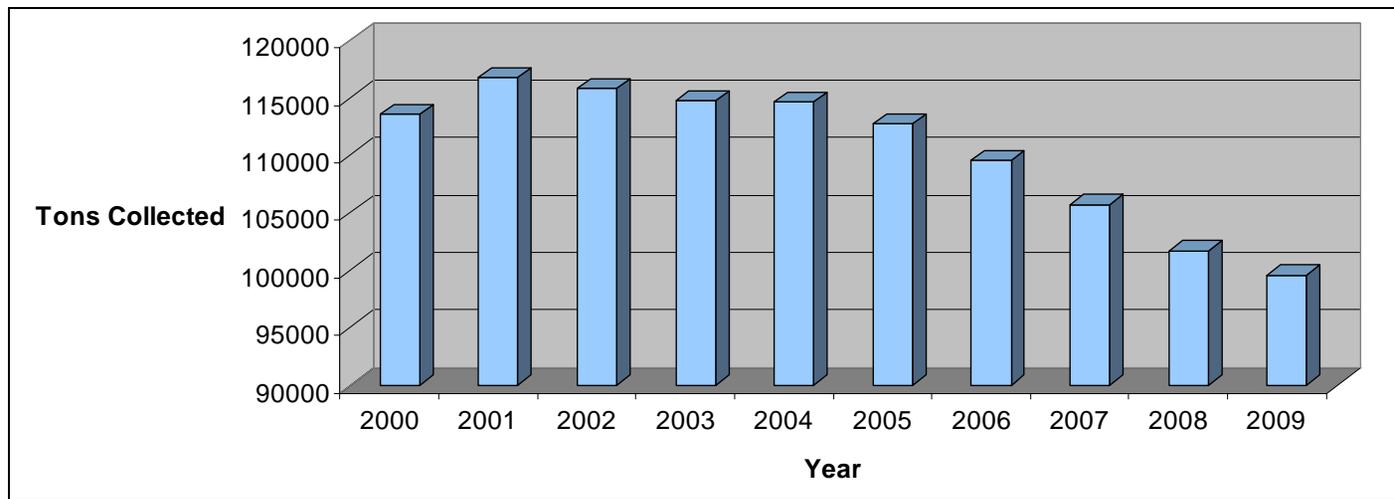
- Weekly service.
- Two cart sizes.
 - Large cart (94 Gal.) = \$4 Month
 - Small cart (22 Gal.) = \$2 Month
- Customers are allowed two large burnable items per dwelling unit per week.

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Garbage

- All garbage hauled from Minneapolis customers is delivered to the Hennepin Energy Recovery Center (HERC).



- Garbage collected in Minneapolis has steadily decreased since 2001 and is down 13% since 2000. Municipal Solid Waste generation in the Metro Area grew 8% over the last ten years.



Recycling

History

- The City-wide source-separated recycling program has been in place since 1983.
- Program started with private providers. Newspaper, food and beverage cans, glass bottles and jars, cardboard, used motor oil and auto batteries were collected monthly.
- Current system of biweekly collection by the City and MRI started in 1989.

Department Overview

HOW TO RECYCLE IN MINNEAPOLIS

RECYCLING IS COLLECTED EVERY OTHER WEEK ON YOUR GARBAGE DAY.

WE START WORK EARLY GARBAGE - BY 6 AM
Please have your garbage, large items, and/or yard waste at your curb or alley.

RECYCLING - BY 7 AM
Please have your recycling items at your curb or alley.

YOUR SCHEDULE

TUESDAYS - 2007

Jan 3 rd , 16, 30	July 10, 24
Feb 13, 27	Aug 7, 21
Mar 13, 27	Sept 5, 19
Apr 10, 24	Oct 2, 16, 30
May 8, 22	Nov 13, 27
June 5, 19	Dec 11, 25

TUESDAYS - 2008

Jan 3 rd , 16, 30
Feb 13, 27
Mar 13, 27

* Changes to Wednesday, due to holiday

HOLIDAYS - Solid Waste & Recycling collections are one day later than usual when your normal day falls on or after: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas Day.

PAPER
Dry food boxes such as:
Cereal, cake, cracker, and pasta boxes.
Flatten.

Mail, office and school papers, envelopes with windows are OK.

PLACE TOGETHER IN PAPER BAG

SHREDDED PAPER
Must be in closed paper bags.

NO:
- refrigerated or frozen food boxes
- pop or beer cartons
- egg cartons

NEWSPAPER & INSERTS
Remove from plastic bag.

PLACE IN PAPER BAG or bundle with string

MAGAZINES & CATALOGS
PLACE IN PAPER BAG or bundle with string

PHONE BOOKS
PLACE IN BIN

CAN:
Flat
bag
Max
Max

NO:
- Plaz
- Pop

Recycling

Bi-weekly collection of separated:

- Cans (aluminum and steel)
- Corrugated Cardboard
- Dry Food Boxboard
- Office Paper and Mail
- Magazines & Catalogs
- Household Batteries
- Glass Bottles and Jars
- Phone Books
- Plastic Bottles
- Household Batteries

Department Overview

Recycling

- Metro Area cost for residential recycling processing is \$110 - \$143 / ton.
- Minneapolis pays \$30 - \$55 / ton to process its recyclables and we receive revenue from the recyclables.



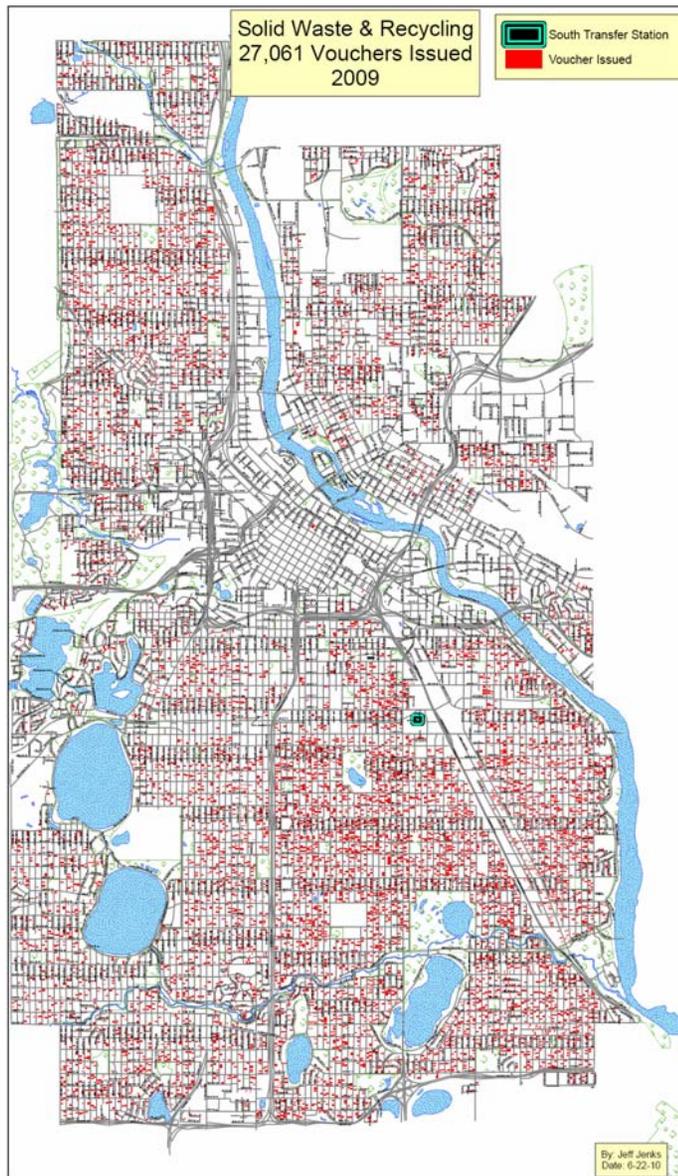
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Department Overview

Yard Waste

- Weekly collection from mid- April to mid-November.
- All leaves, grass clippings, bundled brush, etc.
- Yard wastes are composted.
- Compost product sold by vendor.
- For the 2010 season, 54 Community Gardens received a combined total of 710 cubic yards of compost (free and reduced rate).



Department Overview

Drop Off (Voucher) Program

- Each address may use six vouchers per year, with each single trip voucher good for up to 2,000 pounds of waste.
- Each address may use two tire vouchers per year, with each single trip voucher good for up to eight tires.
- In 2009, customers used 27,061 cleanup and tire vouchers.

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Department Overview

Problem Materials

- All items, 50% metal or more, and electronics (computers, TV's, CRT's).
- Collection every other week (on recycling week).
- Garbage crews write down the Problem Material addresses. Problem Material crew collects the next day.
- No additional charge, no special call by customers.
- Abuse (illegal dumping or dumping by repair companies) is tracked.



Source Separated Organics (PILOT)

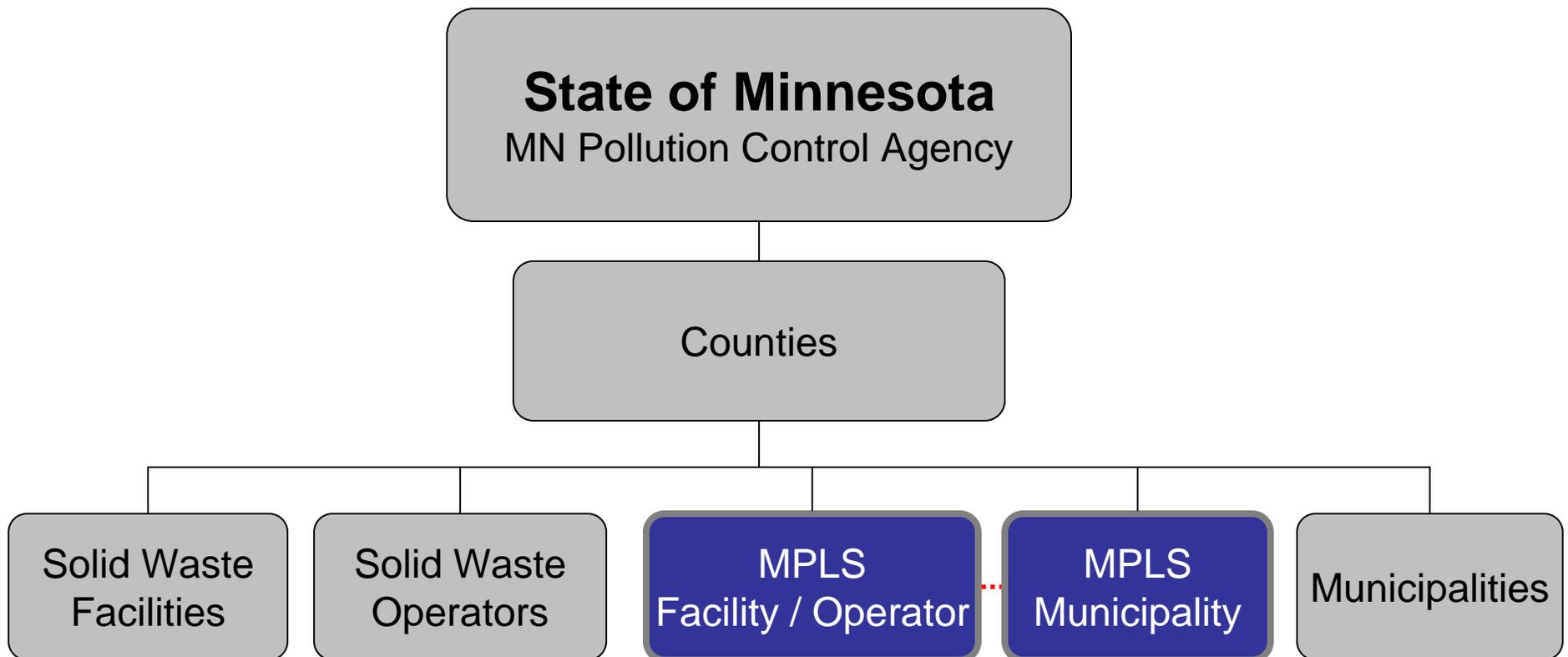
- Food wastes, non-recyclable paper, food boxes and pizza boxes, other compostable materials.
- Pilot programs in both city service areas.
- No additional charge to residents.
- Special event composting available for a fee.
- Commercial composting operation, subsidized by the County.
- Need regulatory changes for program to be cost effective.

Dual Stream Recycling (**Pilot**)

- Performing dual stream recycling pilot on two recycling routes starting in late fall 2010.
- Garbage sorts will be done before, during, and after pilot to determine effectiveness.
- Testing material contamination levels, carts, collection methods, and education methods.
- Partially funded by a Hennepin County grant.

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Regulatory Framework



Regulatory Framework

Regulatory Framework

- Minnesota Pollution Control Agency is the primary state agency for solid waste regulation.
- The Waste Management Hierarchy established by state statute:
 - Waste reduction and reuse
 - Recycling
 - Composting of yard waste and food waste **(NEW)**
 - Resource recovery, including waste-to-energy and composting
 - Landfilling with methane recovery
 - Landfilling without methane recovery

Regulatory Framework

- Minnesota statute requires that counties regulate specific solid waste management activities.
 - Adopt ordinances to regulate solid waste facilities.
 - Enforce county ordinances, state rules and requirements, and the Office of Environmental Assistance Policy Plan on solid waste collectors and facilities.
 - Enforce the state prohibition on disposal of solid waste in land disposal facilities which do not comply with the minimum requirements of MPCA Rules.
 - Adopt provisions for management of waste tires that embody, but may be more restrictive than, state rules.

Regulatory Framework

- In addition, counties are authorized to:
 - Adopt ordinances governing the collection of solid waste.
 - Adopt ordinances that require the source separation of easily recyclable materials from mixed municipal solid waste.
 - Require cities and towns to organize collections.
 - Prohibit the deposit of solid waste within the County not otherwise authorized by law and enforce via removal and assessment of cost to property.

Regulatory Framework

- Solid Waste Management Coordinating Board
 - Joint powers board formed in 1990.
 - Anoka, Carver, Dakota, Hennepin, Ramsey and Washington counties.
 - Also includes representation from the MPCA.
 - Mission is to increase the efficiency and environmental effectiveness of the region's solid waste management system.
 - Take positions on solid waste issues and participate in the legislative process.

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Upcoming Issues

- MPCA DRAFT Metropolitan Solid Waste Management Policy Plan 2010-2030
- Hennepin County Solid Waste Master Plan Update
- Minneapolis Sustainability Goals
- Bottle Bill Legislation

DRAFT Metropolitan Solid Waste Management Policy Plan 2010-2030

Prepared by the Minnesota Pollution Control Agency
in consultation with the Metropolitan Counties



 Minnesota Pollution Control Agency

August 27, 2010

Upcoming Issues

MPCA DRAFT Metropolitan Solid Waste Management Policy Plan 2010-2030

- Draft plan is available on the MPCA's website.
- Comment period ends November 11th.
- Emphasis on greenhouse gas reduction and solid waste hierarchy; operations to achieve hierarchy.

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Hennepin County Solid Waste Master Plan Update

- Future strategies for solid waste management
 - The county is currently assessing future strategies for increasing recycling and reducing waste.
 - Strategies being considered include increasing capacity for organics recycling, increasing recycling through mandates and incentives, and increasing education about waste management issues.

Upcoming Issues

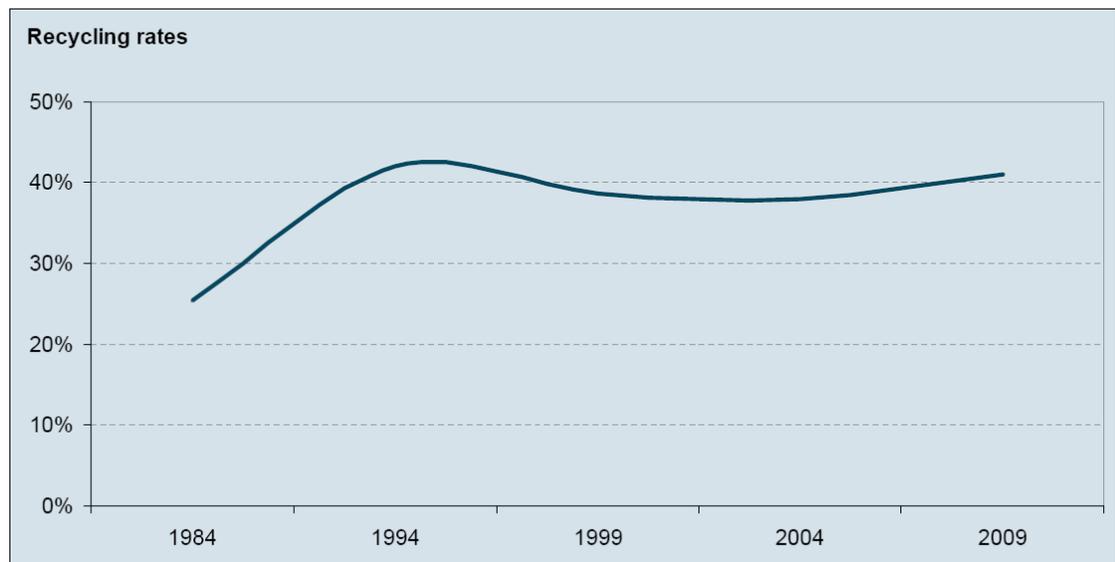
- **Current Status of Conversations with Hennepin County**

- Focus on recycling.

- Analyzing data.

Hennepin County Recycling Rates Over Time

From "Strategic Plan for Solid Waste Management in Hennepin County" Presentation.



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Minneapolis Sustainability Goals

- Minneapolis will need to decide how to best fit the city's policy goals within the framework of current regulations.
 - Changes to recycling program.
 - Viability of household organics collection.
 - Small carts.

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Next Steps

- October 26 Transportation and Public Works Committee – Draft MPCA comments.
- November 11 – MPCA comment deadline