



*Presentation of the Hennepin County  
Solid Waste Management Plan to the Minneapolis Climate  
Action Plan Solid Waste & Recycling Work Group April 24,  
2012*

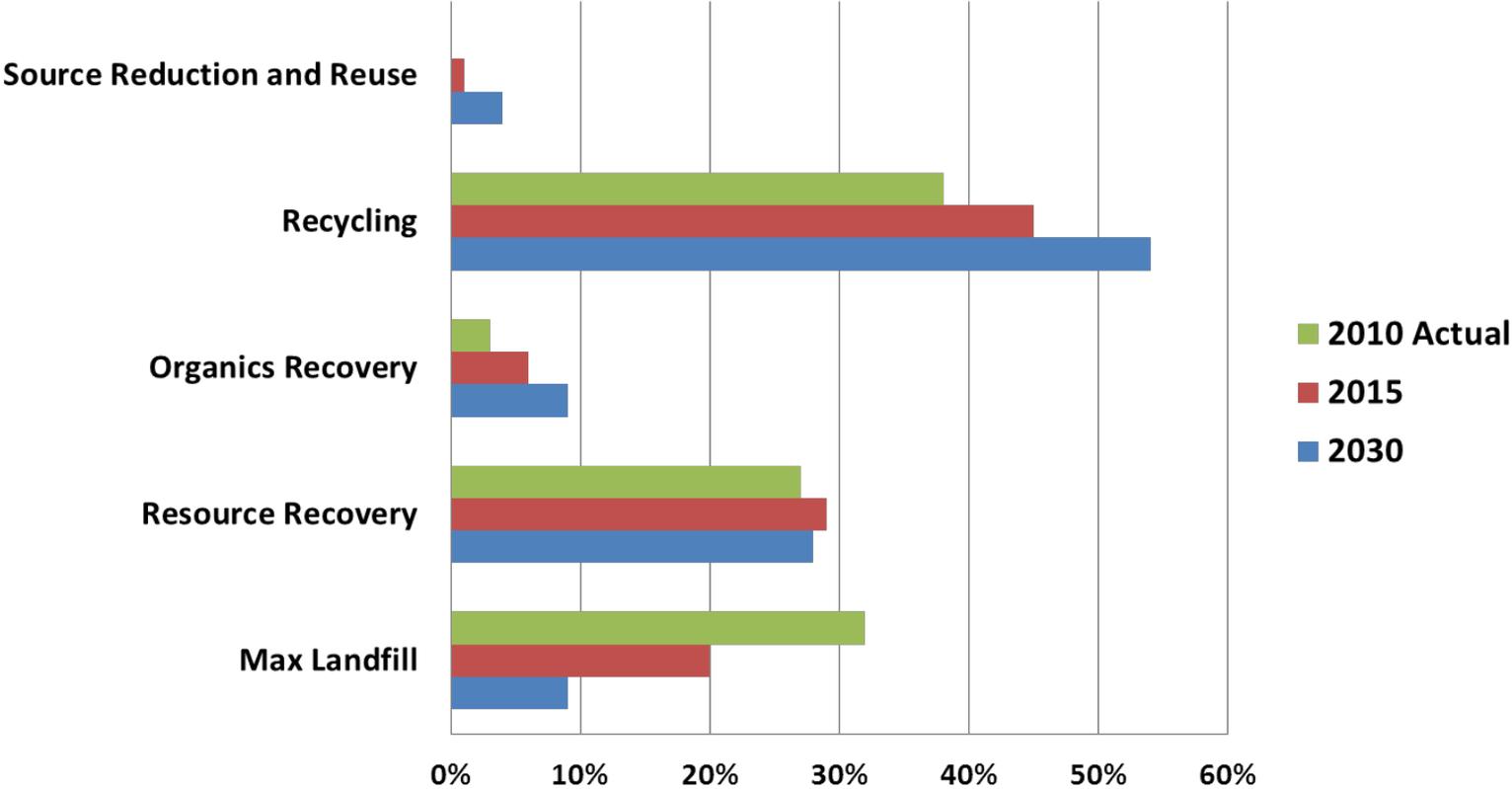


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Hennepin County Environmental Services

## ***Solid Waste Management Master Plan***

- Minnesota statute specifies Master Plan requirements
- Pollution Control Agency developed policy plan with quantifiable objectives based on waste management hierarchy
- County adopted state goals and set forth strategies to meet state goals
- Separate regional plan creates partnership strategies to be implemented at metropolitan level
- Adopted by Hennepin County Board on April 10
- Transmitted to the PCA for approval

# State Waste Management Goals



# *Improve Recycling Education*

## Communication challenge:

- Nearly all residents report they recycle.
- But, only a little more than **half** of the recyclables from homes **gets recycled.**



# *Improve Recycling Education*

## **Education Strategy**

- **Bring attention to and build enthusiasm for recycling**
- **Work with partners to expand the reach of the message**
- **Expand community outreach**
- **Facilitate peer-to-peer education**

# ***Source Reduction and Reuse***

*2015 Objective 1-2 percent*

*2010 Actual Unknown*

## **Strategies**

- Continue the Choose to Reuse program
- Research the existing source reduction and reuse system to address barriers and service gaps
- Partner with various organizations to provide connections to reuse options
- Create an educational campaign

# ***Increase Recycling at Home***

*2015 Objective 132,000 tons*

*2010 actual 92,583 tons*

## **Strategies**

- Implement new funding policy
  - Performance standard: 725 pounds per household per year, 35% recycling rate, or 80% recovery rate
  - Require dual or single sort (make it easier)
  - Added more materials (plastics, juice boxes, milk cartons)
  - Standardized terminology and images
  - More education
- Provide technical assistance
  - RFPs and contracts
  - Information sharing, research
  - Implementation of new activities and programs

# *Increase Recycling at Multifamily Housing*

*2015 Objective 20,000 tons*

*2010 Actual Unknown*

## **Strategies**

- Create new educational materials
- Provide technical assistance
- Evaluate Incentives
  - Free Containers
  - Recycling Infrastructure Grants
  - Bulky Waste Pick-up (large items)
  - Recycle Bank
  - Reverse Vending Machines that accept recyclables



# Increase Organics Recycling

2015 Objective 80,000 tons

2010 Actual 49,972 tons



## Strategies

- Target businesses that generate large quantities of organic material
  - Grocery stores
  - Restaurants
  - Event Centers
- Evaluate start-up grants to begin new organic programs
- Support municipalities implementing curbside organic collection
- Evaluate and support development of adequate processing capacity

# ***Increase Commercial Recycling***

*2015 Objective 465,000 tons*

*2010 Actual 387,000 tons*

## **Strategies**

- Collaborate with Waste Wise and others to promote business recycling
- Develop a comprehensive business assistance program
- Evaluate financial incentives to encourage recycling
- Evaluate low cost service options for small and medium sized businesses

# Strategies for Events and Away From Home

2015 Objective 1,000 tons

2010 Actual Unknown

## Strategies

- Work with event planners, cities and parks to host zero-waste events.
- Evaluate funding for recycling in public spaces
- Expand the event container loan program in partnership with the Minneapolis Park Board.



# ***Properly Manage Household Hazardous Waste***

*2015 Objective to be provided*

*2010 Actual 21,889*

## **Strategies**

- Support product stewardship initiatives
- Collaborate with partners to expand medicine collections
- Cooperate with city to locate a HHW facility in Minneapolis

# ***Recover Energy from Waste***

*2015 Objective 422,900 tons*

*2011 Actual 415,687 tons*

## **Strategies**

- Use existing capacity at HERC and Great River Energy
- Recover plastics and metals from trash at the Brooklyn Park Transfer Station through agreement with Rational Energies

# ***Decrease Landfilling***

*2015 Objective 282,216 tons*

*2010 Actual 414,446 tons*

## **Strategies**

All of the strategies intended to significantly increase the amount of waste in Hennepin County managed through:

- Source reduction,
- Recycling,
- Recovery of source separated organics, and
- Resource recovery,

Are designed to significantly reduce the amount of Hennepin County waste sent to landfill.

## *Minneapolis – Hennepin County Partnership*

- Provided \$878,168 in SCORE funding in 2011
- Partnered with the dual and single source recycling pilot projects
- Funded the recycling of 18,018 mattresses collected in Minneapolis in 2011
- Sponsored two HHW collection events
- Assisted all Minneapolis Public Schools with grants and technical assistance for SSO pilots. 30 now compost and ten adopting program in 2012.
- Designed and produced the city's 2012 household recycling education materials

# ***Public Comment***

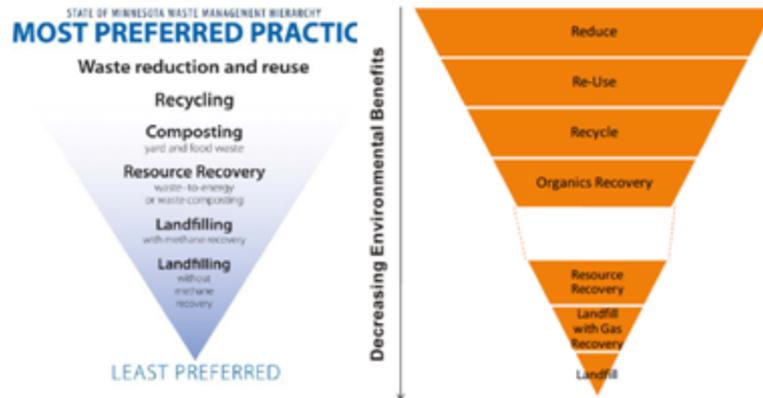
The *draft* Master Plan document  
will be available online:

[www.hennepin.us/SolidWastePlanning](http://www.hennepin.us/SolidWastePlanning)



# Solid Waste Management Master Plan

## Waste Management Hierarchy



Hennepin County Environmental Services

## *Master Plan Initiatives*

- Education and Outreach
- Source Reduction and Reuse Reduction
- Residential Recycling
- Multi Family Recycling
- Commercial Recycling
- Organics Recovery

## *Master Plan Initiatives*

- Events & Away From Home Waste
- HHW & Problem Materials
- Resource Recovery
- Non MSW
- Landfill

## *Strategies for Non-MSW*

*2015 Objective none, 2010 Actual Unknown*

### **Strategies**

- Review past non-MSW efforts and recommend improvements to recycling
- The county will specify the use tear-off shingle scrap in paving projects and encourage other public entities to do the same.
- Partner with organizations to support deconstruction