

# Madison's Automated Recycling Program

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# Madison Facts

- ★ 225,000 people, 65,000 households
- ★ Municipal collection
- ★ Private MRF
- ★ Mandatory Recycling Program



# Why change?

- ★ Growth of the City
  - 820 new HH's per year
  - Manual System Stretched to Maximum
- ★ Worker's Compensation costs
- ★ Desire to add mixed paper
- ★ MRF contract expiration





McNeilus

AG208  
7-2004

AUTOCAR

4403

# The New System

- ★ Automated collection
- ★ Single Stream Recycling
- ★ Every Other Week Collection
- ★ Continued Revenue Sharing with MRF
  - Madison gets 80%



# Why Single Stream

- ★ Makes automation possible
- ★ New sorting technology as efficient as dual stream
- ★ No change in prices for material
- ★ Easy to use system



# System Change Over

- ★ Recycling Changed September 2005
  - Switched first due to expiration of MRF contract and the need to replace trucks.
- ★ Refuse Automated September 2007



# Recycling Costs

## ★ Recycling

- Old: \$46.94 per HH annual

- New: \$26.41 per HH annual

(Additional savings of \$3-4 per HH on recycling bags.)

- Old \$202.57 per ton

- New \$94.69 per ton



# Results

- ★ Recycling Collection Costs Down
  - Old, \$46.94 per HH New \$26.41 Per HH
- ★ Productivity Increased 69.5%
  - 456 Stops per day to 773
- ★ Injuries Down 69% from 42 to 13
- ★ Worker's Compensation Wages Down
  - 71% decline in costs



# More Results

- ★ Increased Participation in Multi Family Settings
- ★ Recycling Tonnage Up 6,002 Tons



# Annual Taxpayer Savings

★ \$912,746

★ Additional Savings Will Be  
Realized When All Refuse Costs  
Are Analyzed



# Challenges Ahead

- ★ One Way Streets
  - Purchased new truck with dual arms
- ★ Parking Congestion in Central City
  - Extend Special Street Sweeping Restrictions Year Round
- ★ On Going Cart Exchanges
- ★ Third Cart for Organics



# Contact Information

- ★ Full Report On Line At
  - [www.cityofmadison.com/streets](http://www.cityofmadison.com/streets)
- ★ 608-267-2626
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