

Recycling and Waste Reduction: A Discussion Paper

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**Association of Manitoba
Municipalities**

Municipal Officials Seminar

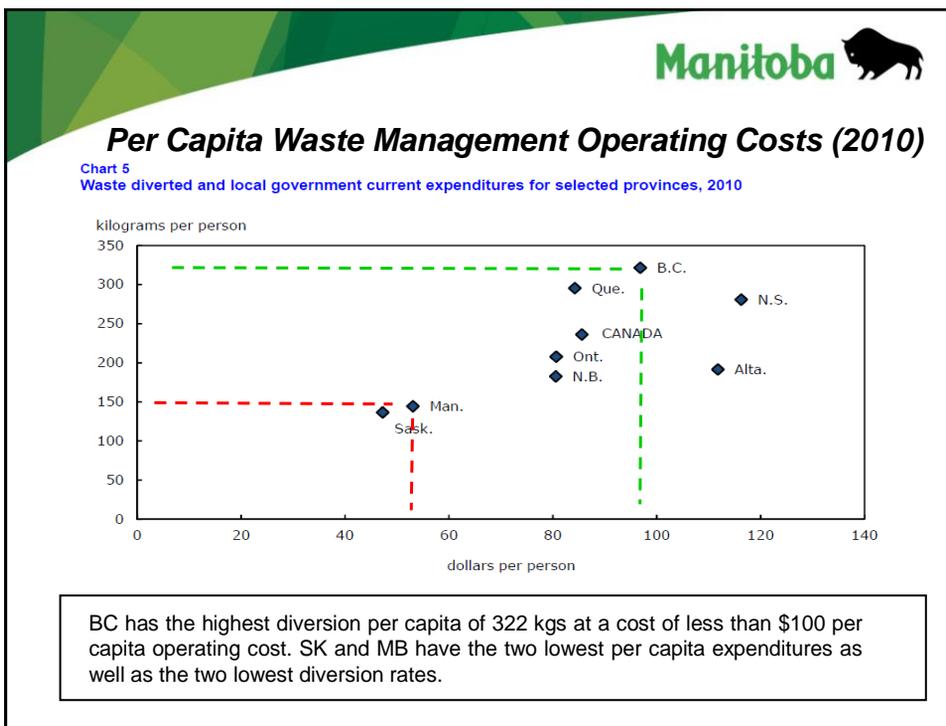
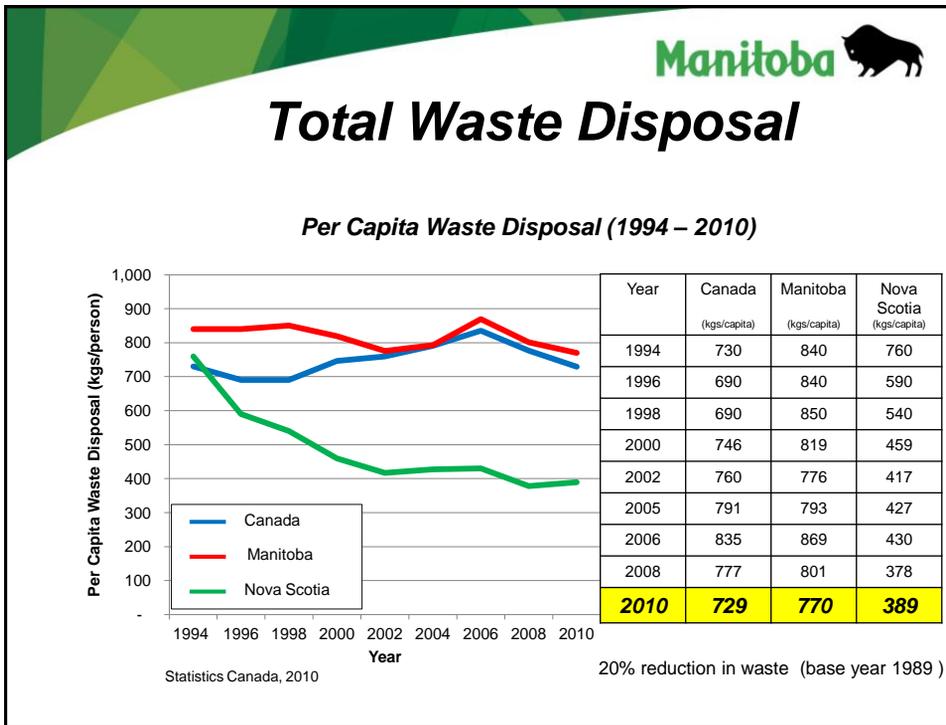
March 18, 2015



Overview

- Background on waste reduction performance
- Highlights of Recycling and Waste Reduction Discussion Paper – Released December 12, 2014
- Timing: Consultation Process
- Question and Answers

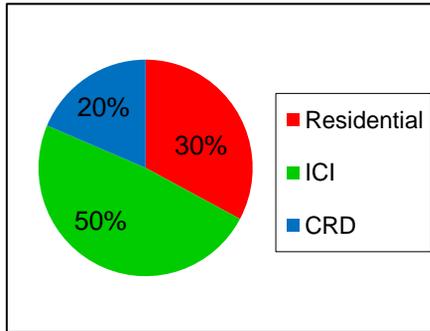
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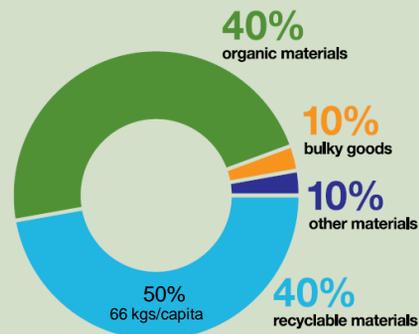
Waste Characterization

- Organic material is the highest proportion of waste material landfilled (30% - 40%)
- ICI waste is 50 - 60% of total waste



BC Waste Analysis (2006)

TYPICAL CONTENT OF RESIDENTIAL WASTE IN CANADA



FCM, Getting to 50% and Beyond (2009)



MB Stewardship Programs

- 5 EPR Regulations under The WRAP Act (1995 – 2010)
- 13 Producer Responsibility Organizations (PROs)
- \$37 million in dedicated resources
- 109,000,000 kilograms of designated materials managed
- All program plan renewals in 2016 – 2017
- [www.greenmanitoba.ca /pros](http://www.greenmanitoba.ca/pros)



Program Performance

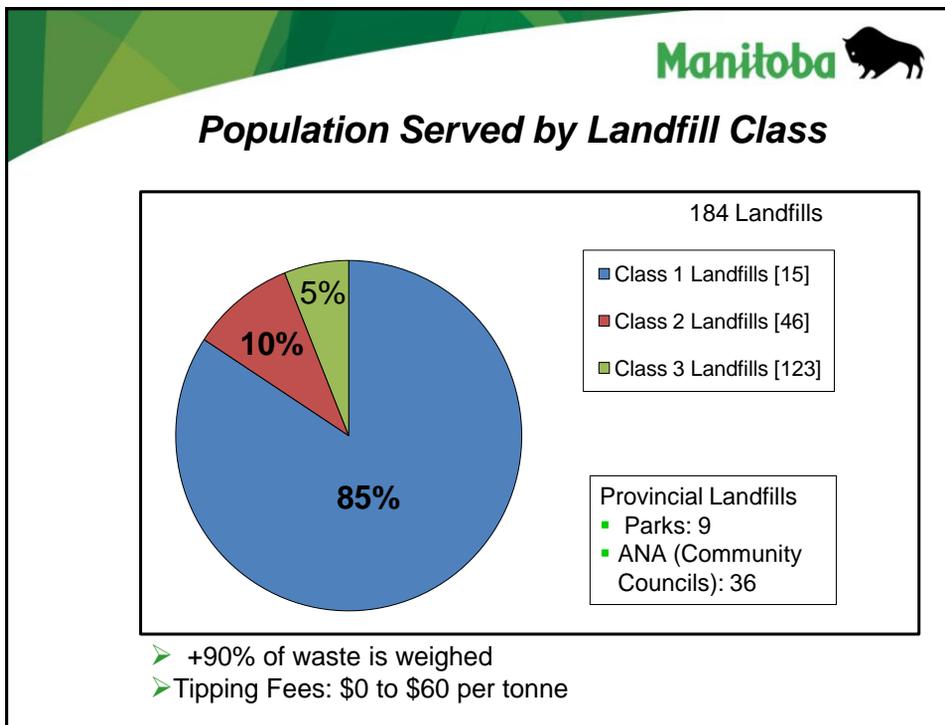
- MMSM: 83,700 tonnes of blue box materials recycled (54% recovery)
 - Winnipeg 54,900 tonnes (66%)
- Tires: 1 million tires (14,700 T) collected annually from 1,460 (landfill and retail)
- Used Oil: 13.6 million litres recovered (75%)
- HHW: 283,000 L of paint (21 year round sites and 60 return to retail sites)
- E-waste: 3 million kgs from 57 collection depots



Waste Reduction and Recycling Support (WRARS) Levy (2013)

- WRARS Fund established 2009
- \$10 per tonne levy on all waste landfilled
 - \$9.6 million in revenue – 840 kgs / capita
- 80% of Fund (\$7.6 million) rebated to reward municipal recycling efforts 184 municipalities – Recycling 69,100 tonnes
- 20% of Fund (\$1.9 million) to support Provincial waste priorities
 - CR&D
 - Organics
 - Ag Plastics
 - Non-Program HHW





Manitoba 

Manitoba Composts

- Announced June 2014
- Organics Diversion Goal (2020): 100,000 T
 - 85 kgs per capita
- \$1 million dedicated annual funding pool
 - Environmental Approvals & CCME Compost Quality Criteria
 - Per tonne incentive payment
 - \$10 / T for facilities 2,500 T / year or more
 - \$25 / T for facilities < 2,500 T (to a maximum of \$25,000 annually)
 - Capital Funding Support
 - WRAPP Fund application



- 80 public and private compost sites
 - 53 managed sites
 - Organic Waste Diversion (2014): ~ 50,000 T
 - 8 MB Composts Agreements

CCME EPR and Waste

- CCME Waste Management Task Group
 - Organics, CR&D, ICI, EPR in the North, End-of-Life Vehicles and Waste Indicators
 - CCME National Action Plan for EPR (2009)
 - CCME Phase I materials – completed
 - CCME Phase II materials:
 - Construction materials
 - Furniture
 - Textiles and carpet
 - Appliances, including ozone-depleting substances (ODS)
 - National Inventory of Waste Management Programs (2013)
 - Landfill bans (NS), provincial recycling targets, and regional waste planning requirements (BC)



**RECYCLING AND WASTE REDUCTION :
A DISCUSSION PAPER**

Part of
**TOMORROW
NOW**
Manitoba's **GREEN** Plan



Waste Reduction & Recycling Discussion Paper

- Follow up to commitments made in Tomorrow Now:
 - Conceptual framework to set out vision and direction and gain the views of stakeholders and the public
 - Variety of actions proposed to improve Manitoba's waste diversion efforts
 - Establish aggressive recovery and reduction targets



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The Goal

Cutting our waste
in half by 2020 with the ultimate goal of
becoming a Zero Waste Society



How can we reduce per capita waste disposed in half?

The Benefits

- By 2020 we will:
 - Cut per capita waste in half (840 kg/person → 420 kg/person)
 - Create 450 green jobs in the waste sector
 - For every 1,000 tonnes of material diverted two jobs are created (Conference Board of Canada, 2014)
 - More jobs and economic activity are created through waste diversion programs than waste disposal
 - Reduce greenhouse gases (CO₂e) from solid waste by 340,000 tonnes or the equivalent of taking 71,000 cars off the road

Priorities

Actions set out around key priorities:

1. Organic Waste
2. Construction, Renovation and Demolition Waste
3. Extended Producer Responsibility
4. Institutional, Commercial and Industrial Waste
5. Hard to Recycle Products
6. Northern and Remote Areas
7. Landfill Transformation

PRIORITY 1: Organic Waste

An estimated 40% of our residential waste and 30% of industrial, commercial and institutional waste is organic material that could be composted.

How can we increase our recovery rates?



PRIORITY 1: Organic Waste

- Full landfill ban on organic waste
- Working with the ICI sector to increase diversion
- Enhance food waste reduction initiatives
- Manitoba Composts
 - Processor incentives
 - Divert 100,000 tonnes of organic waste by 2020
 - Achieve organic diversion target of 85 kg/person



PRIORITY 2: Construction, Renovation and Demolition Waste

Construction, renovation and demolition (CR&D) waste is the second largest component of the waste stream in Manitoba, representing an estimated 20-30% of our total waste.

What can we do to salvage and re-use these materials?



PRIORITY 2: Construction, Renovation and Demolition Waste

- Keep valuable products out of the landfill
- Work with industry partners and municipalities
 - Drywall, wood, shingles
- Improve deconstruction standards
- Landfill ban on CR&D waste
- Made in Manitoba solutions
 - Incentives/Disincentives
 - Enhance processing capabilities
 - Research & Development



PRIORITY 3: Extended Producer Responsibility

Manitoba's Producer Responsibility Organizations divert over 100 million kilograms of materials from landfills annually.

Manitoba Blue Box programs are recognized as one of Canada's most successful - recycling 68.7 kilograms per person in 2013.

What can be done to build upon this success?



PRIORITY 3: Extended Producer Responsibility

- Set ambitious recycling targets and new beverage container targets
- Take action on new materials
 - ICI, Ag plastics, CCME Phase II materials, mattresses, shingles, small appliances
- Material disposal bans
- Encourage local processing
- Buy local - green procurement
- Improve regional recycling services
 - 75% recovery of blue box materials



PRIORITY 4: Institutional, Commercial and Industrial Waste

There is room for improvement in waste diversion rates from restaurants, retail, manufacturing, health care, offices, and institutions such as schools.

How can government collaborate with this sector?



PRIORITY 4: Institutional, Commercial and Industrial Waste

- Waste characterization study
- Expand existing EPR program scope to ICI sector
- Mandatory recycling & source separation requirements
- Mandate recycling in quick-service restaurants and convenience stores
- More composting and use of recyclable/compostable products and encourage innovative packaging design
 - Taking a national approach to reducing excessive packaging and waste (CCME)

PRIORITY 5: Hard-to-Recycle Products

Manitobans want options for recycling more materials including hard-to-recycle items such as single-use coffee cups.

How can we work together to find solutions?



PRIORITY 5: Hard-to-Recycle Products

- Single-use carry out plastic bags and other hard-to-recycle products
- Eliminate the use of polystyrene food and beverage containers in government buildings
- Address items damaged in floods and other natural disasters and emergencies



PRIORITY 6: Northern and Remote Areas

It is difficult to get recycled materials and recovered products such as electronics or end-of-life vehicles out of northern communities to markets in the south.

What can be done to enhance northern waste diversion and recycling?



PRIORITY 6: Northern and Remote Areas

- Waste diversion everywhere
 - EPR in the North
 - Solid Waste Action Team (AANDC, ANA, PROs)
 - St. Theresa Point Winter Road Pilot Project
- Enhance recycling systems and PRO services
 - Eco-depots
 - Waste Transfer Stations



PRIORITY 7: Landfill Transformation

Waste reduction and recycling activities keep waste out of the landfill and have a positive impact on the local environment, economy and quality of life.

How can we transform our landfill system to maximize these benefits?



PRIORITY 7: Landfill Transformation

- Landfill disposal bans
- Finding alternatives to landfills
- Regional zero waste planning
- Further restrictions on burning of waste
- Landfill mapping – waste shed project
- Reducing Manitoba's landfills
- Crackdown on illegal dumping
- Financial incentives to recycle
 - review WRARS program options



Sample of Public Response

- 160 responses received to date:
 - 15% on plastic bags
 - 15% on beverage containers
 - 20% on green bin collection/composting (Organics)
 - 10% on quick service packaging (coffee cups/polystyrene)
 - 40% on a variety of issues and individual opinions
 - bans, burning, reuse, enforcement, park waste management systems/transfer stations, hard to recycle and ICI recycling
 - AMM issues
 - cost impact on municipalities
 - partnership and discussions on new initiatives

Feedback

- *Examples of Comments Received:*
 - *Can you regulate packaging by manufacturers? Some products are way over packaged or packaged with non eco-friendly materials*
 - *I think the organics landfill ban is a key component to the strategy*
 - *I would love to see Winnipeg participate in curbside composting*
 - *Our garbage is minimal due to recycling and our own composting. Please find a use for plastic bags and non-recyclable plastics which make up 90% of our landfill garbage*
 - *Why not ban plastic bags, but work with retailers to offer compostable bags instead?*
 - *The objective of cutting waste in half is important but should not be pursued at any cost*



Public Engagement

- Ongoing industry, community stakeholder and public input
- Media plan – print, transit, digital
- Consultation concludes March 20, 2015
- Review feedback and develop future path for action

Everyone has a role to play

Send your ideas, suggestions and feedback on plan priorities and options to:

Conservation and Water Stewardship
Environmental Programs & Strategies Branch
1007 Century Street, Winnipeg MB R3H 0W4

Email: pollupreve@gov.mb.ca

Not sure where to take your recyclables?



ManitobaEcoDepot.ca

Whether it's for a mobile phone, old tires or the paint from that room you did last year, our new search tool will help you find the nearest depot to recycle it—anywhere in Manitoba. Now it's easy to search by location or by the type of product you want to drop off, making us your go-to recycling resource.





Thank you

Part of
TOMORROW NOW
Manitoba's **GREEN** Plan

