



Green Manitoba

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***Manitoba's Waste Reduction
and Recycling Support (WRARS)
Levy***

*Manitoba Association of Regional Recyclers (MARR)
Winnipeg, Manitoba*

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Jim Ferguson, Manager
Municipal and Business Programs



Waste Reduction and Recycling Support (WRARS) Levy

- Announced 2009 provincial Budget (March)
- WRARS Fund established through amendment of the Waste Reduction and Prevention Act
- \$10 per tonne WRARS Levy on waste landfilled
- \$7 million in revenue projected 2010
- Three (3) phase introduction approach



Purpose

- Purpose:
 - improve Manitoba's waste diversion rate
 - encourage sustainable waste management practices
 - improve waste diversion activities such as recycling and composting

National Waste Statistics

Table A: Waste Disposal by Province (2006)

Rank Waste Diversion		Waste Disposed (Tonnes)	Waste Disposed Per Capita (Kgs)	Diversion Rate (Percent)
1	Nova Scotia	401,670	430	40.7
2	Prince Edward Island	n/a	n/a	37.8
3	New Brunswick	450,238	601	35.9
4	British Columbia	2,917,080	675	31.9
5	Quebec	6,808,440	890	26.5
6	Ontario	10,437,780	822	18.7
7	Yukon	25,245	809	15.9
	Northwest Territories	42,884	1,011	15.9
	Nunavut	n/a	n/a	15.9
10	Alberta	3,819,872	1,133	14.6
11	Manitoba	1,024,272	869	13.0
12	Saskatchewan	833,753	844	11.4
13	Newfoundland	407,728	800	6.9
	Canada	27,249,178	835	22.0

Source: Statistics Canada

- ✓ High tipping fees are direct drivers in high diversion rate provinces – up to \$100 per tonne



Tipping Fees

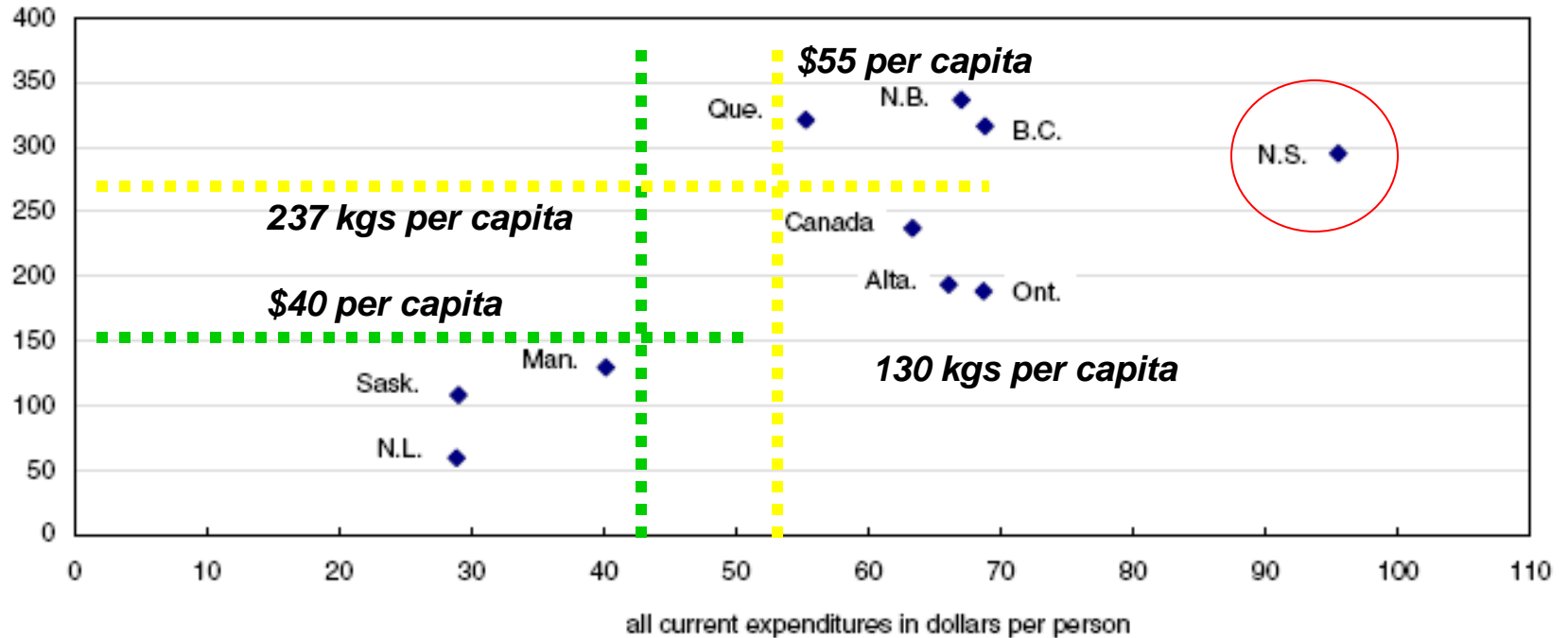
- National Average: \$62 per tonne
- Average Tipping Fees
- BC: \$65 (High: \$65)
- PEI: \$100 (High: \$100)
- NS: \$64 (High: \$94)
- AB: \$25 (High: \$45)
- PQ: \$50 (High: \$73)
- MB: \$34 (High: \$50)

Investment in Waste Management

Chart 2

Waste diverted and local government current expenditures per capita, 2006

kilograms per person



Source(s): Statistics Canada, Environment Accounts and Statistics Division



WRARS Fund

- Dedicated Fund established in WRAP Act
- All WRARS Levy Revenue deposited in Fund
- Annual Report and Audit requirements
- Disbursements
 - Fund Administration
 - 80% municipal recycling support
 - 20% administration, e-waste and HHW program support
- Green Manitoba to administer Fund



Supports Waste Reduction Objectives

- Disincentive for waste disposal - increase waste disposal costs
- Reward municipal recycling efforts through fund sharing formula
- Reduce waste bill through diversion – increase \$ reward through enhanced recycling/diversion
- Support E-waste and HHW programs until EPR Programs established

Example Calculation

Example: Municipal Recycling Share Calculation (Year 1)			
Municipality	MPSC Recycling Tonnes	% Share	\$ Rebate
Municipality A	2,000	52.63%	\$421,053
Municipality B	900	23.68%	\$189,474
Municipality C	500	13.16%	\$105,263
Municipality D	150	3.95%	\$31,579
Municipality E	50	1.32%	\$10,526
Municipality F	200	5.26%	\$42,105
TOTAL	3,800		\$800,000

Revenue: \$1,000,000

Municipal Fund (80%) \$800,000

Municipal Recycling Support

**20%
E-waste/HHW
Programs
Revenue Estimate
for 2010:
\$1.4 million**

**80% Municipal
Recycling Rebate
Revenue Estimate
for 2010:
\$5.6 million**

- MPSC / MMSM recycling support maintained
- Year 1 rebate based on MPSC reported tonnage
- Municipal share of WRARS Fund based on % of recycling contribution



Program Details

- Private industrial sites exempt (single generator use)
- Applies to residential and ICI waste
- Burning is not diversion
- Waste Transfer Stations exempt
- Eligible diversion activities include: recycling, composting, wood chipping
- Maintain records for 5 years
- July 1, 2010 expanded diversion eligibility – e.g. composting, wood waste processing



Phase I – Class 1

- Major Class 1 landfills
- Levy introduced July 1, 2009 on landfills receiving more than 30,000 tonnes of waste
 - City of Winnipeg (Brady Road)
 - City of Brandon (Eastview)
 - Mid-Canada (RM of Ritchot)
 - BFI – Evergreen (RM of Rosser)
- Levy remittance due January 31, 2010 and every 6 months after
- Recycling Rebates issued to participating municipalities March 2010



Phase II – Class 1

- Levy introduced on all Class 1 landfills January 1, 2010
 - Affects 8 additional Class 1 landfills
- Weigh scale measurement required
- WRARS Levy payments due July 31, 2010 (remittance for 6 months period)
- Recycling Rebate issued September 1, 2010



Phase III – Class 2 & 3

- January 1, 2011 levy applied to all Class 2 and 3 landfills
- Landfills:
 - 73 Class 2 sites and
 - 160 Class 3 sites
- Volume to weight based measurement accepted
- Phase III WRARS Levy Payments Due July 31, 2011
 - remittance for 6 month period



Why Measure Waste?

- Important waste management activity
- The estimated quantity of waste can be used to:
 - Project the life of existing landfills
 - Appropriately size new waste management facilities
 - Calculate unit cost of waste management
 - Measure the cost effectiveness of waste management services
 - Assess the effectiveness of waste reduction initiatives
 - Apportion waste costs to generators



Volume Based Reporting

- Guideline on measuring waste quantities based on volume to weight conversion factors will be developed.
- Consultations with landfill operators will be conducted to ensure this guideline meets operator needs.
- Proposed waste quantity estimate methods include:
 - Trench volume estimation
 - Loader bucket and truck counting
 - Random weighing and traffic counting
 - Site survey and in-situ density test



Achieving High Waste Diversion Results (+50%)

- Ability to measure waste and diversion activities province wide
- Emphasis on enhanced recycling programs
- User pay systems (tipping fees, pay per bag)
- Bag limits and bans
- Composting (yard and garden, kitchen waste, agricultural and commercial waste)
- Wood waste processing (wood chipping)
- Eliminate burning
- Commercial waste recycling
- Waste planning and regional waste partnerships
- Promotion and educational programs



Next Steps

- Phase I Rebate Payments March 2010
- Phase II Landfill / Recycling Program Registration Process
- Integrated Waste Management Survey
 - 55 municipalities (Phase I & 2) reported
 - 22 compost sites (40%)
 - 29 waste transfer stations
 - 6 regional systems (28 municipalities)
- Waste Reporting System Implementation
 - Actual disposal and diversion report

Thank You

Comments / Discussion

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