



Waste
Diversion
Ontario

14th Annual OFNTSC Conference

August 25, 2009



- Overview
 - Waste Diversion Act
 - Waste Diversion Ontario
- Status of Diversion Programs
 - Blue Box (printed papers & packaging)
 - Municipal Hazardous or Special Waste
 - Waste Electrical & Electronic Equipment
 - Used Tires
- Diversion Programs in First Nations Communities



Waste Diversion Act, 2002

The purpose of this Act is to promote the reduction, reuse and recycling of waste and to provide for the development, implementation and operation of waste diversion programs.



- WDA shifts responsibility
 - From government to industry for
 - Managing products & packaging that enter waste stream
 - Developing, implementing & operating diversion programs
 - Initiatives required to achieve performance goals such as market development, R&D, incentives, education
- WDA shifts costs
 - From government & general taxpayers
 - To industry & potentially their consumers



Roles & Responsibilities

- Provincial Government/Minister of the Environment
 - Establishes diversion policy & sets program requirements
 - Provides guidance during program development
 - Approves or rejects program
- WDO Board
 - Co-ordinates industry initiatives by establishing IFO
 - Monitors Industry Funding Organization (IFO) performance
- Industry
 - IFO manages program development & implementation
 - Stewards contribute to plan development through participation in consultation process
 - Stewards register, report & pay fees to IFO
 - Collectors, haulers, processors provide services to IFO



- Board of Directors comprised of
 - 5 representatives
 - Jointly appointed by 14 industry associations
 - 5 representatives
 - 3 jointly appointed by AMO/RPWCO
 - 1 appointed by City of Toronto
 - 1 jointly appointed by RCO/OEN
 - 6 representatives appointed by the Minister
 - 5 representing public interest
 - 1 from Ontario Public Service



- Printed papers & packaging stewards contribute 50% of net municipal Blue Box system cost
 - CNA/OCNA in-kind advertising lineage
 - 20% to Continuous Improvement Fund
 - Remaining in cash disbursements
- Commenced on February 1, 2004
- Surpassed 60% diversion goal
 - Diverted 63% of residential BB materials in 2007



- On October 16, 2008, Minister requested that WDO
 - Conduct review of 10 BBPP issues using extended producer responsibility (EPR) principles as framework
 - Incorporate consultation with public, municipalities, businesses, Blue Box stewards, ENGOs



- Posted on WDO website
 - *Report on Consultation to Support BBPP Review*
 - Summary of public opinion survey, stakeholder meetings, written submissions
 - *BBPP Review Report and Recommendations*
 - Summarizes consultation issues & key themes
 - Sets out 20 recommendations
 - Provides other comments



- 85% collection target
- Minimum of 75% diversion target
 - Printed papers & packaging materials directed to composting or anaerobic digestion to produce humus product, net of residue
 - Printed papers & packaging materials directed to recycling markets, net of residue



Material Specific Targets

Material	2007 Diversion Rate	Year 1 Diversion Rate	Year 2 Diversion Rate	Year 3 Diversion Rate	Year 4 Diversion Rate	Year 5 Diversion Rate
	(%)	(%)	(%)	(%)	(%)	(%)
Printed Paper	79%	80%	81%	82%	83%	85%
Paper Packaging	58%	60%	63%	65%	67%	70%
Plastics Packaging	22%	27%	32%	38%	44%	50%
Steel Packaging	56%	58%	61%	64%	67%	70%
Aluminum Packaging	39%	45%	51%	57%	63%	70%
Glass Packaging	83%	83%	83%	84%	84%	85%



To Support New Targets

- Include residential materials currently managed outside of municipal system e.g.
 - By stewards & retailers (e.g. grocery store bags)
 - From residential multi-unit buildings serviced by private contractors
 - By charities & other organizations e.g.
 - Aluminum can collections
 - Abitibi Paper Retriever Program



Consistent Materials

- Process led by WDO to select Blue Box materials to be collected by all programs considering
 - % of households receiving collection service for material
 - Capacity in curbside system if collected at curbside
 - Compatibility with depot system if collected at depot
 - Ability to be managed in processing systems
 - Will not contaminate other materials during processing
 - Availability of sustainable markets
- Determine differential service levels (e.g. curbside or depot) to reflect regional variations based on specific criteria



- Within clear policy framework established by Minister including
 - Program performance objectives
 - Accessibility objectives
 - Service standard objectives
- With clear direction to stewards & municipalities to maintain support for Blue Box system during transition to
 - Continue to expand diversion
 - Avoid investment freeze



Moving to Full EPR

- WDO facilitated process
 - Involving consultation, research & analysis
 - To determine how to best
 - Transition to full EPR, including how/when stewards would assume full financial/physical responsibility
 - Deliver program services under a full EPR model
 - Taking into consideration
 - Public's interest in having reasonable access to services for collection & diversion of printed papers & packaging
 - Interest of some municipalities to continue to collect and/or process printed papers & packaging as service providers to stewards
 - Interest of private companies to collect and/or process printed papers & packaging as service providers to stewards



Moving to Full EPR

- Building on WDO's facilitated process, move delivery of Blue Box services under BBPP towards full EPR funding over 5 year period
 - Phase 1: Planning
 - Stewardship Ontario, in consultation with affected stakeholders, will develop a detailed implementation plan that addresses the transition process for approval by WDO
 - Phase 2: Financial EPR
 - Stewardship Ontario will assume full financial responsibility for Blue Box system as outlined in the implementation plan
 - Phase 3: Physical EPR
 - Stewardship Ontario will assume full physical responsibility for Blue Box system as outlined in the implementation plan



- WDO received correspondence from Minister re BBPP Review on Aug 14 noting
 - Many of WDO's recommendations must be considered in the broader context of the WDA
 - Number of improvements to the existing BBPP that can be made in the near term to achieve greater diversion



Direction to Revise BBPP

- Establish diversion target of 70%
 - To be achieved by December 31, 2011
- Improve methodology for calculating diversion
 - By including additional avenues where residential Blue Box materials are collected
- Include packaging-like materials sold as products
 - That are compatible with current collection & management systems
- Revised BBPP due to Minister by April 30, 2010



- Material management issues
 - Moving to a greater consistency of materials collected across Ontario
 - A process to establish mechanisms to identify & manage problematic materials
 - Including identification of appropriate parties to be involved
- Recommendations due to Minister by February 28, 2010



- Phase 1 commenced July 1, 2008
 - Paints/ coatings, solvent, oil filters, oil containers, single use dry cell batteries, antifreeze, pressurized containers, fertilizers, fungicides, herbicides, insecticides, pesticides
 - Reimbursement of post-collection costs under existing service provider contracts
 - Through agreements with Stewardship Ontario
 - Value-added incentives for reuse & antifreeze bulking available



- 103 municipalities acting as collectors
 - Through Shared Responsibility Agreements with Stewardship Ontario
- Other collection locations
 - Automotive service centres
 - Oil filters, antifreeze, oil bottles from ~7,500 locations
 - ~50 locations accept do-it-yourself materials
 - Retailers e.g. Rona, Home Depot
 - > 300 locations accept oil filters, antifreeze, oil bottles, paint, batteries



MHSW Program – Phase 1

Material Group	Reported Collected (Tonnes)	Estimated Collection Rate
Paints & Coatings	2,847	36%
Solvents	1,600	160%
Oil Filters	5,091	47%
Oil Containers	265	12%
Single-Use Dry Cell Batteries	246	5%
Antifreeze	690	5%
Pressurized Containers - Non-Refillable	113	26%
Pressurized Containers - Refillable	200	68%
Fertilizers	110	500%
Pesticides	83	169%
Total	11,245	28%



- Consolidated Program
 - Delivered to Minister on July 31, 2009
 - Posted on Environmental Registry
 - To August 30 for public comment
 - Stewards will be responsible for
 - All remaining MHSW
 - Note MHSW Regulation excludes used oil
 - Collection/post-collection costs
 - Expanded collection system



- Year 1 Accessibility
 - One-stop drop for all MHSW
 - 104 permanent collection depots
 - 400 mobile collection events
 - 110 'depot-in-a-box' events
 - Return to retail for certain MHSW
 - > 2,000 accepting batteries
 - > 350 accepting fluorescent bulbs/tubes & paints/coatings
 - > 2,800 pharmacies accepting pharmaceuticals & sharps
 - 75 service centres accepting 'do-it-yourself' oil filters, oil bottles & antifreeze



- Year 1 Accessibility
 - Specialty service channels
 - Automobile recyclers for auto switches
 - White goods dismantlers for fridge/freezer switches
 - Renovation contractors for thermostats
 - Automobile service centres for ‘do-it-for-me’ oil filters, oil bottles & antifreeze
 - Empty containers in residential Blue Box system
 - Removal of rechargeable batteries & fluorescent lights embedded in electronic products by WEEE processors



Collection/Recycling Targets

Program Performance	Year 1	Year 2	Year 3	Year 4	Year 5
Available for Collection (tonnes)	82,160	81,037	81,439	81,193	81,158
Collection Target (tonnes)	34,752	39,630	44,572	49,765	54,992
Collection Performance (%)	42%	49%	55%	61%	68%
Recycling Target (tonnes)	24,414	28,581	33,311	37,797	42,552
Recycling Efficiency (%)	30%	35%	41%	47%	52%



- Phase 1 commenced April 1, 2009
 - Desktop/portable computers, computer peripherals, monitors, printers, fax machines, televisions
 - \$165/tonne to act as Collection Agent
 - Register with Ontario Electronic Stewardship (OES)
 - Each location subject to site visit
 - Collection standards
 - Data security requirements
 - Packaging on skids with shrinkwrap or in gaylords
 - Must accept WEEE at no charge
 - Collection costs to be studied to determine if \$165/tonne incentive requires adjustment



- ~ 50 municipalities acting as collectors
 - Depot, event, bulky item at curbside
- > 200 other collection locations e.g.
 - Salvation Army, Sears, Staples
 - Office buildings, universities
- Ontario Electronic Stewardship
 - Picks up WEEE at no cost to collector
 - Arranges for transportation & recycling
 - Tracks material to final destination
 - Confirms 3Rs management & diversion rate



- WDO submitted Phase 2 Plan to Minister
 - On July 10, 2009
- Minister approved Phase 2
 - On August 14, 2009
 - Following posting on Environmental Registry
- Program will launch April 1, 2010
- Range of WEEE expanded
 - 44 categories including copiers, scanners, telephones, cameras, AV equipment



Targets

- **Accessibility**
 - From Phase 1 baseline of 167 locations
 - To > 750 locations by Year 5 of Revised Plan
- **Collection**
 - From Phase 1 baseline of 24,800 tonnes
 - To 85,000 tonnes or 62% of available WEEE by Year 5 of Revised Plan
- **Recycling**
 - From Phase 1 baseline of 18,700 tonnes
 - To 76,000 tonnes or 56% of available WEEE by Year 5 of Revised Plan



- Reuse
 - From Phase 1 baseline of 8,636 tonnes
 - To 10,188 tonnes by Year 5 of Revised Plan
- Supported by
 - P&E to direct consumers to reuse organizations
 - OES managing scrap from refurbishing
 - New source of income if reuse organization chooses to collect WEEE
- Removes need to charge to accept items for reuse for most organizations
 - Largest barrier to growth



Used Tires Program Plan

- Commences on September 1, 2009
- Includes all motor vehicle tires
 - On-road & off-the-road (OTR)
 - Including passenger, industry & farm vehicles
- Clean up of tire stockpiles within 3 years
- Disposal not part of program unless 3Rs options not available or technically feasible
 - Landfilling including use as daily cover
 - Incineration including use as fuel



Used Tires Program Plan

- Collection targets within 5 years
 - 90% of on-road tires
 - 50% of off-road tires
- Ontario Tire Stewardship pays
 - Collectors to collect & store tires
 - Haulers to pick up tires from collection sites, consolidate & deliver to closest processor
 - Processors to
 - Produce & market tire derived products
 - Increase manufacturing capacity for molded products
- Program costs paid by brand owners/first importers



Used Tires Program Plan

- Collectors receive tires from public at no charge
 - Tire dealers, automotive recyclers, municipalities can register as collectors
 - Online registration via www.ontariots.ca website
- For registered Collectors, OTS will
 - Pay Collection Allowance
 - \$0.88 per passenger/light truck tire
 - \$3.05 per medium truck tire
 - Off-the-road tires (e.g. agricultural tires)
 - If ≤ 10 kg - \$0.88; if > 10 kg - \$3.05
 - Arrange for no charge pick up of program tires



- WDO's diversion programs are based on extended producer responsibility
 - Industry organization raises funds by levying fee on brand owners/first importers
 - Industry fee – not government tax
- Brand owners/first importers supplying products into First Nations communities must register & pay fees to IFOs
 - So that IFOs can work with First Nations communities to support your diversion programs



- If you are operating a collection/recycling program for printed papers & packaging
 - Register with WDO for annual Datacall
 - Report prior year's tonnes, costs, revenues
 - To be eligible for funding under Blue Box Program in the following year
 - Email Datacall@wdo.ca
 - For user name & password



- If you are operating or would like to operate an MHSW collection program
 - Register with Stewardship Ontario to act as collection agent for Phase 1 MHSW
 - No reimbursement of collection costs
 - Pick up of Phase 1 MHSW at no charge or reimbursement of contracted post-collection costs
 - If reimbursement of contracted post-collection costs, register with WDO for MHSW Report
 - Report prior quarter's tonnes & post-collection costs
 - Email MHSWReport@wdo.ca
 - For user name & password



- If you are operating or would like to operate a WEEE collection program
 - Register with Ontario Electronic Stewardship to
 - Act as collection agent for Phase 1 WEEE
 - Paid \$165/tonne
 - Pick up of collected Phase 1 WEEE at no charge
 - Can include Phase 2 WEEE after April 1, 2010
 - Act as reuse/refurbishment organization
 - Pick up of refurbishment scrap at no charge



- If you are accepting or would like to accept scrap tires from residents/businesses
 - Register with Ontario Tire Stewardship to act as collection agent
 - Paid \$0.88 per P/LT tire; \$3.05 per MT tire
 - For off-the-road tires (e.g. agricultural tires)
 - If ≤ 10 kg paid \$0.88; if > 10 kg paid \$3.05
 - Pick up/recycling of scrap tires at no charge
- Can also register as generator for no-charge pickup of tires from own operations



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(Links to IFO websites)