

Waste Electrical & Electronic Equipment
(WEEE)

An Update on Ontario

Canadian Association of Recycling Industry (CARI)

May 2, 2007



The Recycling Council of Ontario

www.rco.on.ca

Presentation Points

- About RCO
- Ontario WEEE Statistics
- Regulations & Program Development
- Priorities for E-Processors



Who is Recycling Council of Ontario?

- **Not for profit, non-government, environmental organization** whose mandate is to inform and educate about the generation of waste, the avoidance of waste, the more efficient use of resources and the benefits and or consequences of these activities
- **Members** represent a variety of stakeholders including municipalities, manufacturers, material processors, industry associations, small/medium size businesses, other NGOs, academics, consultants, other 'sister' provincial organizations
- Operate under **volunteer board (16 members)** who are selected and are representative of the membership
- **Funding** are derived from research grants, program funds, sponsorships & membership fees.



RCO's History & Milestones

- 28 years of experience (incorporated in 1978)
- Instrumental in developing Ontario's Blue Box Program
- United Nations Environmental Award (1989)
- Lead 1994 Roles and Responsibilities Process that began to define stakeholders roles regarding end of life management of materials and products.
- Only environmental, not-for-profit organization, appointed by the Minister to participate on the board of Waste Diversion Organization.



RCO's Work

- Provide information to society about the consequences of waste (environmental and economical).
- Conduct waste audits and develop waste reduction action plans. Examine and bring forward “best practices” on waste reduction and diversion
- Conduct research to qualify the rationale for waste diversion programs and policies. Bring this information to policy makers.
- Support the development of effective and informative waste reduction policies and programs.
- Form partnerships members and other stakeholders to facilitate discussion and debate of the issues.
- Lead and support the implementation of programs and application of policies that support and integrate the 3Rs Hierarchy (Reduce, Reuse and Recycling)
- Support the development of recycling programs that support the highest end use of materials
- Support the development of recycling standards
- Support the development of collective and independent stewardship program

Defining the Opportunity

WEEE waste estimates

Estimates are made using a flow model which considered;

- Unit sale data in Ontario residential market
- Lifespan of products
- Weight of products
- Estimate of the am't of products that are likely stored or reused after first use

Source :WDO WEEE Study, July 2005



WEEE Waste Estimates (2004)

	Tonnes Sold	Tonnes Disposed	Tonnes Diverted	% Diverted
Household Appliances	170,680	35,288	69,080	62%
IT Equipment	23,203	18,711	405	2.1%
Telecomm Equipment	1,307	1,042	22	2.1%
AV Equipment	63,775	49,792	352	.7%
Total	258,966	104,834	70,096	35.3%

Source :WDO WEEE Study, July 2005



Ontario Regulatory Framework affecting WEEE

Environmental Protection Act

- General Waste Management Regulation (Reg. 347)
- Recycling Regulations (101/94 – 104/94)

Waste Diversion Act, 2002 – Stewardship/EPR

- Designating regulations (Blue Box, Used Tires, Used Oil, **Electronics** and Household Hazardous/Special Waste)



Regulations of Particular Interest to WEEE Processors

Waste Diversion Act (WDA)

- Ontario's Stewardship/Extended Producer Responsibility Regs.
- Enabling Leg. To require brand owners/first importers to support end of life management of their products and or packaging
- Waste Diversion Organization (WDO) that was created from the Act and is the org. responsible for development and oversight of the programs
- Program priorities are set by Minister's designation of materials
- Industry Funding Organizations (IFO) are created through each designation and are made up of industry stewards.
- Collect and Independent schemes are both allowed in the system.



Regulations of Particular Interest to WEEE Processors

Waste Diversion Act con't

- Designating regulations (Blue Box, Used Tires, Used Oil, **Waste Electrical and Electronic Equipment** and Household Hazardous/Special Waste)
- WEEE designated under the WDA on December 14, 2004
- Minister asked WDO to develop a program.
- Designation letter identified 7 “groups” of materials of products to be included



Regulations of Particular Interest to WEEE Processors

Waste Diversion Act (WDA)

- Minister's Original Designation to the WDO Letter included 7 product groupings:
 1. ***Household Appliances***
 2. ***IT Equipment***
 3. ***Telecommunications Equipment***
 4. ***A.V. Equipment***
 5. Navigation, Measuring, Monitoring Equipment
 6. Toys and Leisure
 7. Tools
- Minister's Letter to the WDO requested;
 - That the program include the first 4 of the 7 groupings in Phase 1
 - That the WDO undertake a study of the state of WEEE in Ontario
 - Next stepFinal program letter from the Minister to begin Program Development



Regulations of Particular Interest to WEEE Processors

1. **MINISTRY MAY OR MAY NOT DICTATE THAT E-PROCESSORS WILL HAVE A SEAT ON THE INDUSTRY FUNDING ORGANIZATIONS (IFO) WHO ARE CHARGED WITH DEVELOPING THE PROGRAM.**
2. **IT WILL BE THE IFO'S THAT WILL BE ISSUING THE RFP FOR CONTRACT SERVICES.**



Regulations of Particular Interest to WEEE Processors

REG 347

GENERAL WASTE MANAGEMENT

- Regulatory Amendments To Facilitate Waste Diversion, Use of Alternative Fuels and New And Emerging Waste Management Technologies
- Amendment facilitate new measures to promote recovery & recycling of wastes under Ontario
- “Stand Alone” programs means to recover, reuse and recycle have an exemption.
- Outcome of these amendment; you are exempted from the Reg if you are recycling WEEE (do not require a C of A to transport or process)



Regulations of Particular Interest to WEEE Processors

Reg. 347 Amendments

Exemptions from def'n of subject waste under the Reg. include;

- Printed circuit board recycled by smelters
- Metal bearing waste recycled by smelters
- Batteries
- Waste electrical & electronic equipment



Important Information to Know

- Have a good understanding of the WDA and Reg 347 as it relates to your business (will help define opportunities)
- Get 'plugged into' the stakeholder consultations to insure you have opportunity to understand the process by which the program or program(s) for Ontario are being developed, specifically the products they will include, the timing of the phases and end of life standards
- Learn how you can provide your input to influence it.
- Speak with your colleagues (competitors) to discuss on program areas you have consensus on
- Do not rely on political decisions to develop your business plans.



Thanks



Recycling Council of Ontario

www.rco.on.ca

416 657 2797

Jo-Anne St. Godard

joanne@rco.on.ca