



Around the World in a Box

International Packaging Stewardship Programs

Green for Gold
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Program Objectives

- Municipal funding
- Environmental design
- EU Packaging and Packaging Waste Directive:
 - Reduce environmental impact
 - Promotes waste hierarchy
 - Prevention of production of packaging waste
 - Reuse, recycling, recovery



European Union Packaging Directive

- Main goals are to avoid and reduce the environmental impact caused by packaging and packaging waste
 - reduce packaging waste by 50%
- Mechanisms vary between member states
 - most have implemented producer responsibility legislation based on individual compliance which can be discharged through a Producer Responsibility Organization (PRO)
 - additional mechanisms include prevention plans, reuse targets, deposit / tax schemes, landfill bans

Targets

- Packaging diversion may be one component of a plan to achieve an overall target
- Japan has set recycling targets equal to the capacity of the domestic facilities that are currently available for recycling processing
- European Union Packaging Directive
 - sets overriding targets for member countries
 - targets may be surpassed and stricter national targets in place



German Packaging Ordinance Amendment (1998)

Material	Recycling Requirement
Glass	75%
Paper/cardboard	70%
Plastic	60%
Tinplate	70%
Aluminum	60%
Composite	60%

United Kingdom Business Recovery and Recycling Targets

Material	2006	2007	2008	2009	2010
Paper	66.5%	67%	67.5%	68%	68.5%
Glass	65%	69.5%	73.5%	73.8%	74.5%
Aluminum	29%	31%	32.5%	33%	33.5%
Steel	56%	57.5%	58.5%	59%	59.5%
Plastic	23%	24%	24.5%	25%	25.5%
Wood	19.5%	20%	20.5%	21%	21.5%
Overall Recovery	66%	67%	68%	69%	70%
Minimum Recycling*	92%	92%	92%	92%	92%

*Minimum amount of recovery to be achieved through recycling

Norway

- Business community has committed to national targets of 60% - 80% for collection and recycling
- Businesses and industry developed system for collection and recovery operated by industry itself
- As long as the requirements of the Ministry of the Environment are met, industry is allowed to manage and maintain the system without legal enforcement

Packaging Prevention Plans

- Packaging Prevention Plans encouraged within the EU Packaging Directive
- Some member states require that ratio between weight of packaging and weight of product not increase, or decrease



Materials Covered

- Canadian programs include packaging and new printed materials (newspapers, magazines, periodicals)
- Outside Canada, only packaging covered



Packaging Credits - UK

- Lowest cost in EU
- Purchase Packaging Waste Recovery Notes (PRNs) or Packaging Waste Export Recovery Notes (PERNs)
- Company must demonstrate it has paid for the recovery and recycling of the required amount of packaging
 - does not have to recycle its own packaging
 - must invest in recycling the equivalent amount of its obligation



Packaging Credits - UK

- When an accredited reprocessor recycles a tonne of packaging waste, it can issue a PRN
 - available to be purchased on the open market as evidence that a tonne of that particular material has been recycled
- Companies calculate their obligation under the Packaging Waste Regulations
 - purchase the equivalent number of PRNs to demonstrate they have met their obligation



Respective Roles – Municipal System

- Municipal System
 - municipalities organize material collection and recycling
 - municipalities reimbursed through fees collected from industry
 - Ontario, Quebec, Manitoba, Czech Republic, Japan
- Industry System
 - Industry organizations collect funds from industry members and organize and fund collection systems
 - Sweden, Italy, Finland

A small, rectangular gift box wrapped in light-colored paper, tied with a rustic twine string in a decorative knot. The box is centered in the upper half of the frame against a plain, light background.

Panel Comments

Stakeholder Input

- Objectives
- Targets
- Materials to include
- Level of industry contribution
- Municipal vs industry system
- Mechanisms
 - EPR
 - municipal funding
 - tradeable packaging credits
 - landfill bans
 - prevention plans/ reuse targets
 - deposits
 - taxes