

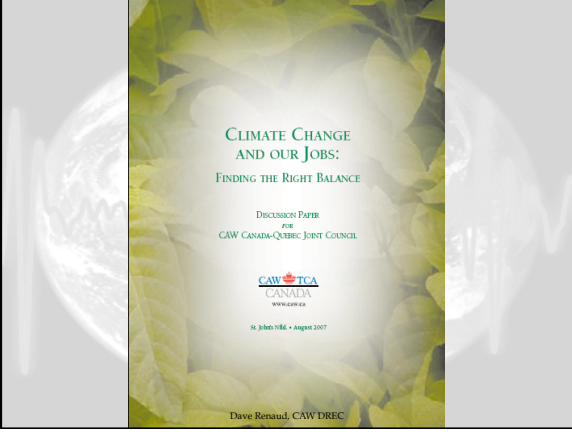
TAKING BACK OUR JOBS

CAW Durham Regional Environment Council



TAKING BACK OUR ENVIRONMENT

Dave Renaud,
President, CAW Durham Regional Environment Council,
Prevent Cancer Now Executive Board Member



CLIMATE CHANGE
AND OUR JOBS:
FINDING THE RIGHT BALANCE

DISCUSSION PAPER
FOR
CAW CANADA-QUEBEC JOINT COUNCIL

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CANADA
www.caw.ca

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Dave Renaud, CAW DREC

Extended Producer Responsibility, or EPR, is the principle that producers of products are responsible for the environmental impacts of their products throughout the products life cycle.

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This cradle to cradle responsibility includes upstream environmental impact inherent in the selection of materials for the products, impacts during the production process itself, and downstream impacts during use and disposal of the products.

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The focus is on producers because in most cases they have the greatest ability to reduce the products environmental impacts.

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Producers are in the best position to design products to minimize upstream environmental impacts (clean production) and to provide for the environmentally sound management of their products at the end of the products life (take-back).

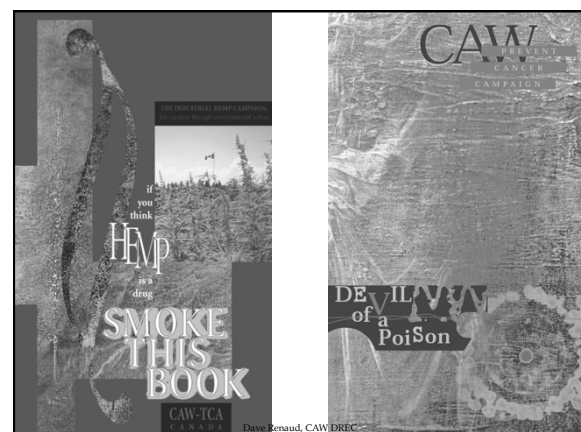
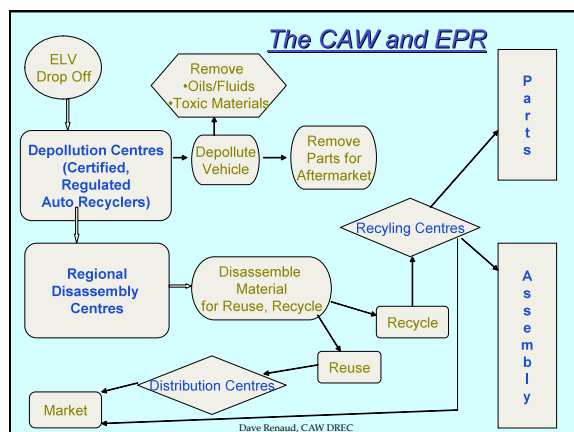
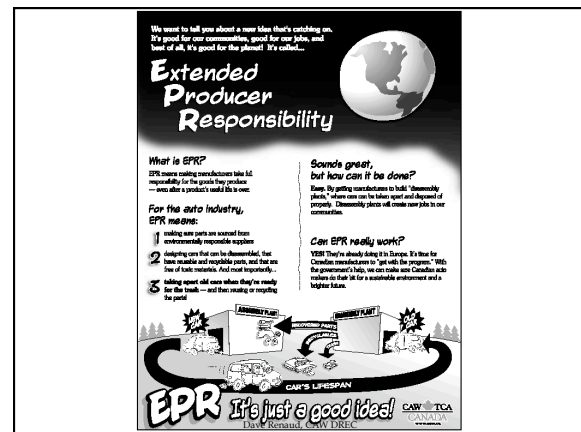
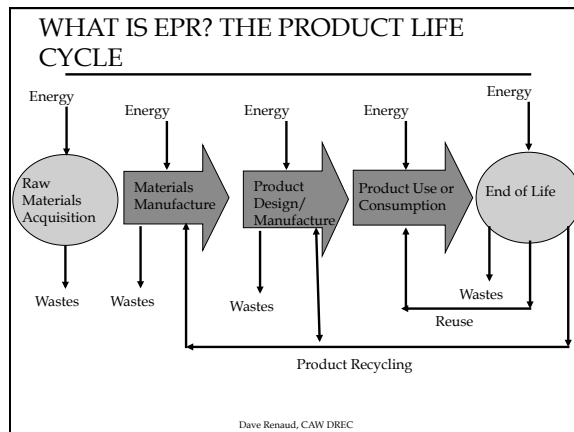
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Environmental responsibility is linked to the social responsibility of producers to ensure worker safety in all the workplaces throughout the products life cycle.

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Producers can be required to ensure that they source their raw materials from responsible companies and hold their suppliers to a high standard of environmental performance and worker safety.

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- EPR will make an environmentally sustainable future possible for our children.
- EPR will conserve raw material and energy.
- EPR will reduce or eliminate toxic shredder fluff from shredded automobiles in our landfills.

- The future job creation potential is enormous.
- EPR legislation can create jobs in Canada. Jobs that are lost for economic reasons or technical change could be replaced by jobs disassembling materials. We could establish disassembly plants alongside assembly plants.

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Extended Producer Responsibility - packaging

- The Ontario (Canada) Beer industry has been using refillable glass bottles for 50 years
- 98% recovered
- Each bottle reused 18 times
- It saves the company money
- 2000 jobs in collection and cleaning
- No cost to municipality

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Incinerators put many highly toxic and persistent substances into the air



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Energy Comparison: Recycling versus incineration (ICF consulting, 2005)

	Energy savings from recycling GJ/tonne	Energy output from incineration GJ/tonne	
	6.33	2.62	
	15.87	2.23	
	8.56	2.31	
	9.49	2.25	
	64.27	6.30	
	85.16	4.22	
	52.09	4.76	

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Let's compare:

Source
Separation
Reduce
Reuse
Repair
Compost
Recycle
Toxic waste
collection

The Durham/York option

Trash
incinerator

Ash
landfill

The Alternative option

Residual
Screening &
Research
Facility

Stabilized
Interim
landfill

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Incineration is a poor investment in the future

- Most of the money spent on incinerators goes into complicated machinery and leaves the community, whereas
- The money spent on the alternatives goes into jobs and stays in the community.
- After 25 years or more the region will be no closer to sustainability. Incineration is not sustainable; the alternative strategy is.

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Incineration is a poor investment in the future

- The Durham/York option, in 25 years, the region will
- Waste huge quantities of finite material resources
- Waste huge amounts of energy
- Waste a terrific opportunity to reduce the global warming impacts of primary processing and manufacture
- Waste the opportunity to pressure industry to stop making items we cannot reuse, recycle or compost
- And
- you will be left with a mountain of ash - 1 ton of ash for every 3-4 tons burned
- And
- Overly Burdened Air Shed

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Incineration and nanoparticles

- The nanoparticles produced by incinerators are more dangerous than those from other combustion sources.
- They contain:
 - Neurotoxic metals
 - Free radicals
 - Dioxins and furans

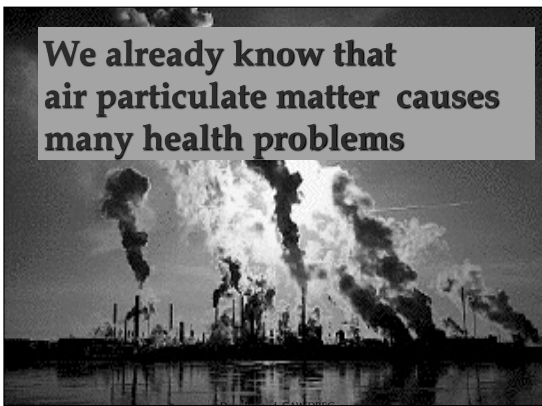
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Incineration and nanoparticles

- Nanoparticles are not efficiently captured by air pollution control devices
 - ▣ Travel long distances
 - ▣ Remain suspended for long periods of time (especially during air inversions over cities)
 - ▣ Penetrate deep into the lungs

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We already know that air particulate matter causes many health problems



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Dioxins - major concerns

- Dioxins accumulate in animal fat.
- Dioxins steadily accumulate in human body fat.
- The man cannot get rid of them BUT A woman can...
- ...by having a baby!

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