

Product Care

HHW EPR Programs in Canada

**Product Stewardship for HHW
Stakeholder Outreach Meeting #1
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**Mark Kurschner, President,
Product Care Association**



www.regeneration.ca



About Product Care



- Product Care Association (PCA) has managed special waste recycling programs since 1994.
- Extended producer responsibility (EPR) not-for-profit organization
- Provides compliance for industry members whose products are designated under EPR laws in Canada and USA
- Members include manufactures, retailers, distributors
- Industry-based board of directors divided into product sectors

PCA's EPR Programs in Canada and USA



- Operates stewardship programs in 9 provinces in Canada
- Operates LightRecycle program in Washington State in cooperation with NEMA
- Worked with PaintCare to implement the first paint stewardship program in USA (Oregon), followed by California
- Working with Mattress Recycling Council programs in Connecticut, California and Rhode Island



PCA programs



Paint: BC, Sask., Manitoba, New Brunswick, Nova Scotia, Newfoundland, PEI, Ontario



Flammable liquids (including solvents), **pesticides** and **other HHW products:** BC, Manitoba, Ontario (Apr. 1, 2016)



Lighting: BC, MB, QC, PEI, ON, in USA: WA,



Smoke and CO Alarms: BC



Small Appliances: BC (contracted by CESA)

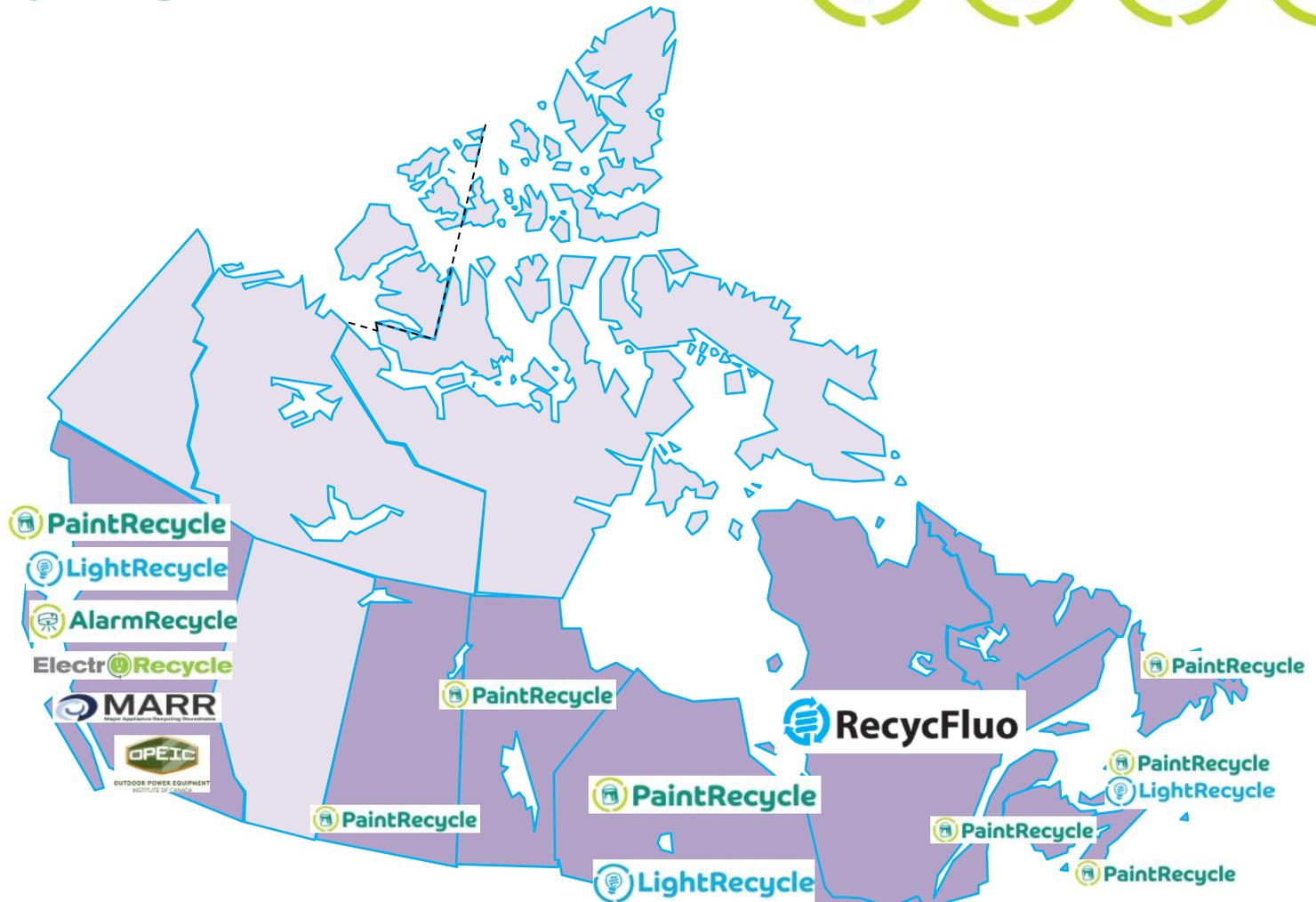


Major Appliances: BC (contracted by MARR/AHAM)



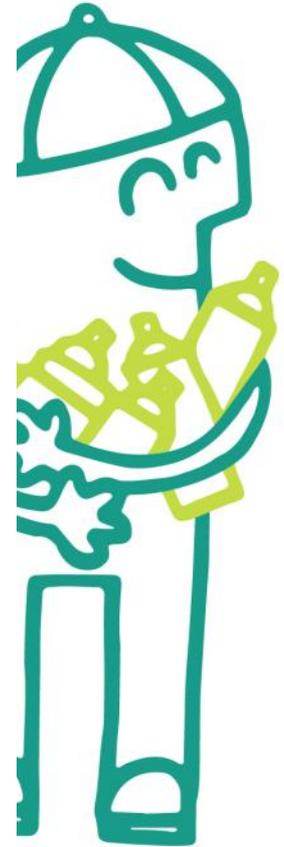
Outdoor Power Equipment: BC (contracted by OPEIC/OPEI)

PCA programs



Major EPR product categories in Canada

- Packaging and Printed Paper (PPP or “blue box”)
- Beverage Containers – often deposit return
- Automotive: motor oil, tires, car batteries
- Electronics – computer, monitors, printers
- Appliances – large and small
- Batteries – single use and rechargeable
- Paint
- Household hazardous waste (HHW)
- Lights and fixtures
- Pharmaceuticals
- Outdoor power equipment
- Smoke Alarms



HHW list from CCME*



- paints and coatings
- batteries
- portable fire extinguishers
- pharmaceuticals and sharps
- -----
- flammable materials
- solvents, such as thinners and paint strippers
- pressurized containers, such as propane tanks and cylinders
- aerosol containers
- fertilizers
- Pesticides
- corrosive materials
- environmentally hazardous materials
- explosives (but not including ammunition)
- toxic materials.

*Canadian Council of Ministers of the Environment

PCA HHW Program Products

Note: All products have container size restrictions and not all products are accepted in all programs.

Paint

household architectural paint including aerosols.

Flammable Liquids and Waste Gasoline

Products that display the flammable symbol, liquid or aerosol. Waste gasoline.

Physically Hazardous

Non-refillable gas cylinders that display both the flammable symbol and explosive symbol.



PCA HHW program products



Pesticides

Consumer pesticides that have the poison (skull & cross bones) symbol, the Pest Control Product (PCP) number and the word “Domestic” on the label.



Toxics

⚠ DANGER

Products that display the poison symbol and “Danger” and are liquid or aerosol.



Corrosives

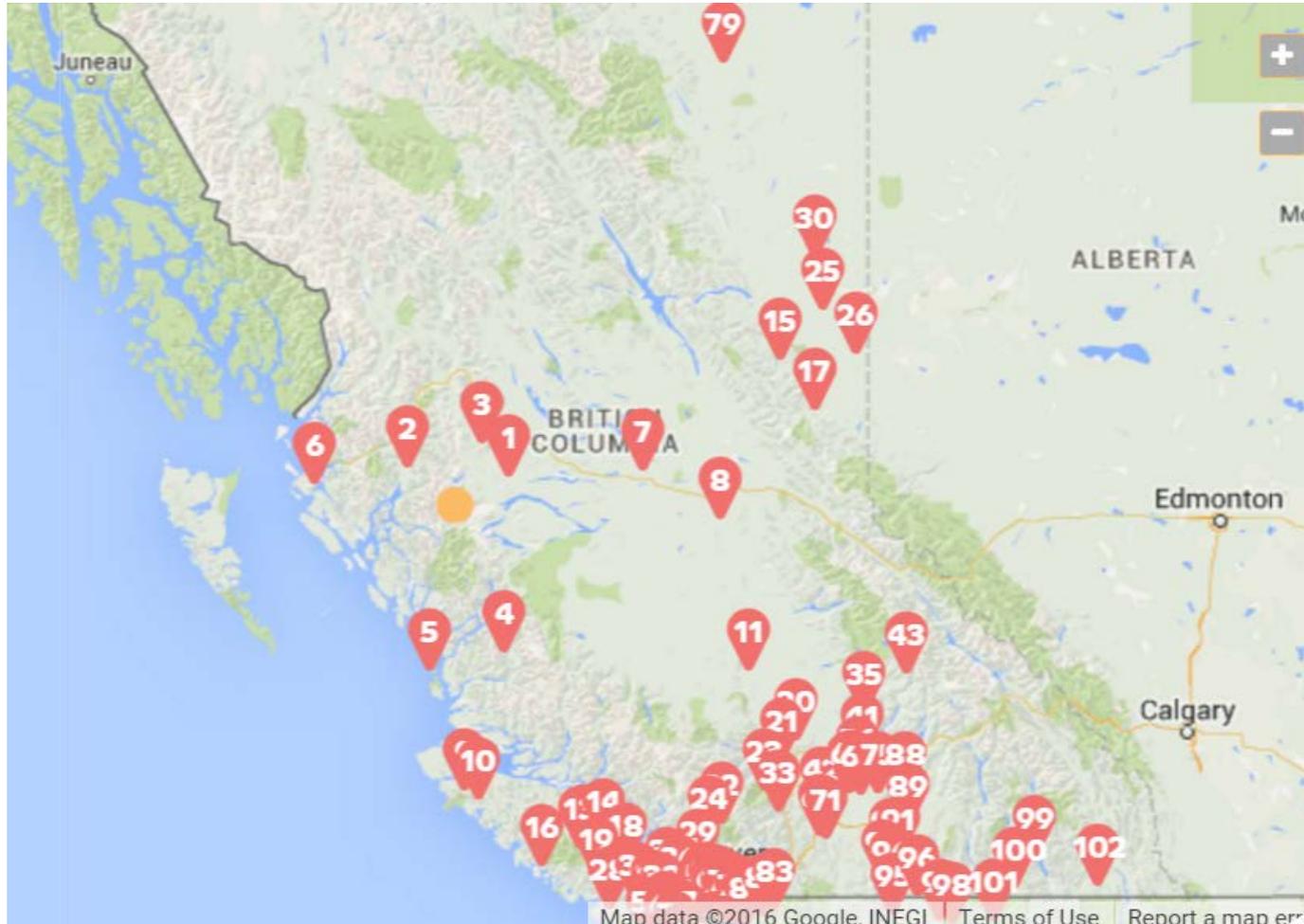
Products that display the corrosive symbol.
Liquid, aerosol or solid.

HHW Programs in Canada



HHW Programs	BC	MB	ON
Program Start Date	1997	2012	2008
Collection System	Local Gov't, Bottle Depots, Private Sector, Retail	Local Gov't, Private Sector	Local Gov't
Collection Sites	100	10	88
Collection Events	Limited	16	>120
Products			
Flammable Liquids (Solvents)	√	√	√
Gasoline	√	√	
Pesticides	√	√	√
Corrosives		√	
Toxics		√	
Physically Hazardous/Pressurized Containers		√	√
Fertilizers			√
Accepted Products			
Generator	Consumer/Residential	Consumer/Residential	Consumer/Residential & Small Qty IC&I Generator
Maximum Container Size (in general)	10L or Kg except Gasoline <25L	10L or Kg except Gasoline <25L	30L or Kg except Pressurized Containers

BC Collection Sites



Program Performance



2014 Collection Volumes	BC	MB	ON*
Flammable Liquids/ Solvents (including Gasoline in BC&MB)	112,478 L	6,954 L	291 Tonnes
Pesticides (including Toxic in MB)	21,679 L	2,529 L	32 Tonnes
Corrosives		1,784L	
Physically Hazardous/Pressurized Containers		4,148 units	964 Tonnes
Fertilizers			34 Tonnes
* MHSW 2014 Annual Report			

HHW Program Challenges



Product characteristics

- Variety of products
- Regulatory disharmony – varying products and definitions
- Consumer products vs. commercial products
- Low volume/low cost products
- consumable products, typically no expiry date
- low volumes compared to other stewarded products
- How to define products to be easily understood by consumers, retailer, industry and collection sites (technical vs SKU vs product labelling)

HHW Program Challenges



Program operations

- conflict between worker safety v haz waste v EPR regulations v municipal zoning for siting and operating collection sites
- Limited available collection infrastructure
- Limited licensed service providers
- Emergency spill response plan
- No self-drop off or self-serve
- Process to deal with unidentifiable products



In Summary:

- **Complex program**
- **Sufficient time for development & implementation**
- **Consider phased-in approach**

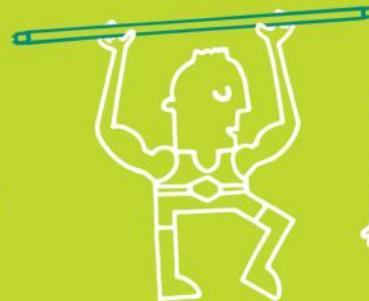
THANK YOU!

For more information, contact:

Mark Kurschner, President

mark@productcare.org

778 331 6969



We are all part of the ReGeneration.

