

# **Product Care Association Annual Report to the Director 2013**

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## 1 Executive Summary

The BC Paint and Household Hazardous Waste (HHW) program (“Program”) is operated and managed by Product Care Association (“PCA”) and has been in operation since 1994. The Program operates under the requirements of the *Recycling Regulation* (BC Reg 449/2004 as amended) under the Province’s *Environmental Management Act* (“Regulation”) and the Program Plan approved by the Ministry of Environment covering January 1, 2012 and due to expire December 31, 2016 (“Program Plan”). This annual report provides the information required pursuant Section 8(2) of the Regulation.

<b>Products within plan</b>	<ul style="list-style-type: none"> <li>• Architectural paints &amp; coatings (household), consumer, industrial, automotive paint aerosols</li> <li>• Domestic pesticides</li> <li>• Flammable liquids and aerosols</li> <li>• Gasoline</li> </ul>
<b>Program website</b>	<a href="http://www.productcare.org/BC-Paint-Program">www.productcare.org/BC-Paint-Program</a>

The following chart summarizes the deliverables associated with requirements set out under the Regulation.

Regulatory Provision	Program Area	Summary of Activities in 2013
<b>Part 2, section 8(2)(a)</b>	Public Education Materials and Strategies	<ul style="list-style-type: none"> <li>• Yellow Pages ads placed in publications across B.C.</li> <li>• Advertised in 12 municipal calendars in collaboration with regional districts.</li> <li>• Redesigned point-of-sale brochures mailed out to 976 retailers and 520 paint contractors across B.C.</li> <li>• Approximately 10,000 point-of-sale brochures, 20 posters, and 4,000 paint can stickers replenished as requested.</li> <li>• Through, the Stewardship Agencies of B.C. (SABC), contracted with Recycling Council of British Columbia (RCBC) to provide consumer-facing information about the program (hotline services, recyclepedia etc...)</li> <li>• Collaborated and participated with other stewardship agencies in the BC Used Oil Management Association (BCUOMA) Ambassadors Program</li> </ul>
<b>Part 2, section 8(2)(b)</b>	Collection System and Facilities	<ul style="list-style-type: none"> <li>• A net total of 27 collection sites were added in 2013, for a total of 206 collection sites as of Dec. 31, 2013.</li> <li>• Of the 206 collection sites, 124 were paint-only and 82 were paint-plus collection sites.</li> <li>• 24 collection events took place in 2012.</li> </ul>

Regulatory Provision	Program Area	Summary of Activities in 2013
<b>Part 2, section 8(2)(c)</b>	Product Environmental Impact Reduction, Reusability and Recyclability	<ul style="list-style-type: none"> <li>• There has been a steady shift in the marketplace from oil based (alkyd) paints to water based latex paints. This trend is expected to continue as the consumer preference for latex paint increases and technical specifications improve.</li> <li>• Federal regulations relating to volatile organic compounds and the composition of surface coatings are hastening the process of reducing the environmental impact of paint products.</li> </ul>
<b>Part 2, section 8(2)(d)</b>	Pollution Prevention Hierarchy and Product / Component Management	<p><u>Paint (Latex/Alkyd):</u></p> <ul style="list-style-type: none"> <li>○ Reuse: 2.0% of all paint collected by PCA was reused through the Paint Exchange program.</li> <li>○ Recycling: 100% of latex paint was recycled back into paint and coating products or recycled into concrete/Portland cement.</li> <li>○ Energy recovery: 100% of alkyd paint, was sent to energy recovery as an alternative energy source in permitted incinerators.</li> <li>○ No program products were sent to landfill.</li> </ul> <p><u>Paint containers:</u></p> <ul style="list-style-type: none"> <li>○ Recycling: 100% of metal cans and pails and 100% of plastic pails were recycled.</li> <li>○ Energy recovery: 100% of polypropylene paint cans were used as an alternative energy source in permitted incinerators.</li> <li>○ Disposal/Landfill: No paint containers were landfilled.</li> </ul> <p><u>Paint aerosols and containers:</u></p> <ul style="list-style-type: none"> <li>○ Recycling: All paint aerosols containers were recycled.</li> <li>○ Energy Recovery: 100% of paint aerosol residuals were sent to energy recovery as an alternative energy source in permitted incinerators.</li> <li>○ Disposal/landfill: No paint aerosols residuals or containers were landfilled.</li> </ul> <p><u>Flammables liquids and containers:</u></p> <ul style="list-style-type: none"> <li>○ Recycling: 100% of flammable containers were recycled.</li> <li>○ Energy recovery: 100% of flammable liquids were sent to energy recovery as an alternative energy source in permitted incinerators.</li> <li>○ Disposal/landfill: No flammable residuals or containers were landfilled.</li> </ul> <p><u>Pesticides and containers:</u></p>

Regulatory Provision	Program Area	Summary of Activities in 2013
		<ul style="list-style-type: none"> <li>○ Recycling: 100% of pesticide containers were recycled.</li> <li>○ Disposal: 100% of pesticide residuals were sent for incineration at licensed facilities.</li> </ul> <p><u>Gasoline and containers:</u></p> <ul style="list-style-type: none"> <li>○ Recycling: 100% of gasoline containers were recycled.</li> <li>○ Energy recovery: 100% of gasoline liquids was sent to energy recovery as an alternative energy source in permitted incinerators.</li> <li>○ Disposal/Landfill: No gasoline liquids and containers were landfilled.</li> </ul>
Part 2, section 8(2)(e)	Product Sold and Collected and Recovery Rate	<ul style="list-style-type: none"> <li>● Recovery rates are as follows: <ul style="list-style-type: none"> <li>○ paint, 10.52%</li> <li>○ paint aerosols, 3.29%</li> <li>○ flammable liquids, 3.10%</li> <li>○ pesticides, 11.99%</li> </ul> </li> </ul>
Part 2, section 8(2)(e.1)		See Section 7 for breakdown by regional district.
Part 2, section 8(2)(f)	Summary of Deposits, Refunds, Revenues and Expenses	<ul style="list-style-type: none"> <li>● The program is funded by eco fees applied on program products.</li> <li>● Retailers may choose to build the eco fee into the product's price, or display it as a separate charge to consumers at check out.</li> <li>● See Appendix B for the audited financial statements for the reporting year.</li> </ul>
Part 2 section 8(2)(g)		See summary of program targets and performance in chart below and a full list of targets in section 9 of this report ("Program Performance").

The Program Plan sets out a number of key performance targets for the program. The following chart summarizes the targets, performance in 2013 and PCA's strategies for improvement going forward.

Key Performance Targets and Outcomes			
Program Area	2013 Target	2013 Performance	Strategies for Improvement
Collection Depots	An annual minimum increase of one new paint plus depot, using the number of depots in 2011 as the baseline for this	Target exceeded: 206 depots.	Continue to add collection sites to the network, where gaps exists.

Key Performance Targets and Outcomes			
Program Area	2013 Target	2013 Performance	Strategies for Improvement
	target. 2013 target: 173 depots.		
Paint Exchange Depots	Track and report the number of paint depots offering Paint Exchange.	130 depots (63% of all depots) offered Paint Exchange programs	PCA will continue to encourage depots to offer Paint Exchange programs
Flammable Liquids	4% annual increase in total collected volumes (container capacity volume) of flammable liquids.	There was a 1.24% increase in the total volume of flammable liquids collected.	Continue to work on increasing consumer awareness.
Pesticides	Maintain pesticides collection volumes at 2011 baseline.	Pesticide collection volumes in 2013 surpassed 2011 baseline levels by 1%.	Continue to work on increasing consumer awareness.
Paint Collected	4% annual increase of total collected volumes (container capacity volume) for the paint product categories.	In 2013, PaintRecycle saw the following percentage changes over the 2012 collected volumes: Paint (non aerosol): 1.39% Paint (aerosol): 14.26%	The sales of paint in BC continued to decline in 2013, which potentially reduced the amount of paint available to collect.  The program will continue to focus on increasing consumer awareness, including conducting a consumer awareness survey in 2014.
Paint Reused	Increase volume of paint being managed through reuse to 2.5% of paint collected by 2016	2% of paint collected was reused in 2012. The 2.5% target is set for 2016, allowing us more time to reach this target.	Continue to promote reuse and paint exchange program
Latex Paint Recycling Volumes	Maintain rate of 100% recycling of latex paint.	Achieved in 2013.	N/A

Key Performance Targets and Outcomes			
Program Area	2013 Target	2013 Performance	Strategies for Improvement
Metal and #2 Plastic Containers	Maintain rate of 100% recycling of metal and #2 plastic paint containers.	Achieved in 2013.	N/A
Energy Recovery from #5 and Flammable Plastic Containers	Maintain rate of 95% of #5 plastic paint containers and flammable plastic containers managed for energy recovery	100% of #5 plastic paint and flammable containers were managed for energy recovery in 2013.	N/A
Plastic and Metal Gasoline Container Recycling	Maintain rate of 100% of plastic and metal gasoline containers being recycled	Achieved in 2013.	N/A
Pesticide Container Recycling	Identify options/technology for recycling pesticide containers	Achieved in 2013. 100% of plastic pesticide containers are triple rinsed and recycled.	N/A
Consumer Awareness	Consumer awareness level of 71% by 2013.	Consumer awareness survey conducted by PCA determined 66% of British Columbians were aware of the BC Paint Program.	A strategic communications plan has been developed for 2014 that uses a number of methods to educate the consumer about the Program, including paid and earned media opportunities that celebrate the 20 <sup>th</sup> anniversary of the paint program in B.C.

## 2 Program Overview

The BC Paint and Household Hazardous Waste (HHW) program (“Program”) is operated and managed by Product Care Association and has been in operation since 1994. Product Care is a federally incorporated, not-for-profit product stewardship association formed in response to stewardship regulations and is governed by a multi-sector industry board of directors.

Producers of designated products are required to meet the obligations under the *Recycling Regulation* (BC Reg 449/2004 as amended) under the Province’s *Environmental Management Act* (“Regulation”). The program is funded by membership fees, known as “eco fees”, remitted to Product Care by its members based on the volume of sales of designated products. The Program’s Member List may be viewed here: [www.productcare.org/member-list](http://www.productcare.org/member-list).

The Program operates under the requirements of the Regulation and the Program Plan approved by the Ministry of Environment covering January 1, 2012 and due to expire December 31, 2016. This annual report provides the information required pursuant Section 8(2) of the Regulation.

## 3 Public Education Materials and Strategies

Product Care uses a number of methods to educate the consumer about the Program. Table 1 sets out the education materials and strategies employed by the Program in 2013.

**Table 1 – Education Materials & Strategies**

Element	2013 Activities
<b>Program Website</b>	<ul style="list-style-type: none"><li>• The BC Paint and HHW website pages received over 80,138 page views in 2013. The web pages provided information to B.C. residents on:</li><li>• Description of products accepted by the program</li><li>• Depot locations with details on hours of operation and products accepted at each location</li><li>• Eco-fee rates</li><li>• Annual reports and other program information for consumers on buying the right amount of paint as well as the safe storage and handling of program products</li></ul>
<b>Website Linkages</b>	Product Care coordinated with other parties, such as municipalities and regional districts, to establish links to the program’s website.
<b>Social Media</b>	Information about the program, such as accepted products and new collection site locations, was regularly shared on Product Care’s Twitter and Facebook channels.
<b>Point of Sale (PoS) Materials</b>	<ul style="list-style-type: none"><li>• Redesigned point-of-sale brochures were mailed out to 976 retailers and 520 paint contractors across B.C.</li></ul>



Element	2013 Activities
	<ul style="list-style-type: none"> <li>Approximately 10,000 point-of-sale brochures, 20 posters, and 4,000 paint can stickers were replenished as requested by retailers and depots, free of charge.</li> </ul>
<b>Yellow Pages</b>	Advertising was placed in the “recycling services” section of Yellow Pages publications across B.C.
<b>RCBC Recycling Hotline</b>	Product Care continued to contract with the Recycling Council of British Columbia for the RCBC “recycling hotline” service, through SABC. RCBC hotline operators provided consumers with a convenient “one stop” contact to obtain information about Product Care programs and any other recycling questions. Product Care promotes the RCBC hotline number through its web page, on its signs, brochures, as well as Yellow Pages listings. The RCBC Hotline is open Monday through Friday from 9 am to 4 pm, and is accessible to all BC residents by a toll free telephone number (1-800-667-4321). In 2013, RCBC Hotline staff received more than 129,000 inquiries about recycling from residents across B.C. Between January 1 and December 31, 2013, more than 4, 575 of those inquiries were calls to the Hotline about products in the B.C. paint and HHW program.
<b>RCBC Recyclepedia</b>	Product Care collection sites were listed in the RCBC Recyclepedia search engine ( <a href="http://rcbc.bc.ca/recyclepedia">http://rcbc.bc.ca/recyclepedia</a> ) an online province-wide searchable database for disposal options of all residential products. There is also a Recyclepedia “app” for smartphone users. . In 2013, the RCBC Recyclepedia search engine received over 11,600 web hits/searches for B.C. paint and HHW program materials.
<b>Community Partnerships</b>	<ul style="list-style-type: none"> <li>Product Care partnered with BCUOMA’s ambassador program. From May 1 to August 1, the BCUOMA Ambassadors included information about the paint and HHW program on their province-wide tour that included visits with recycling depots and government representatives, as well as attendance at community events.</li> <li>The Surrey International World Music Marathon included Program brochures in the “goodie” bags of ~2,000 marathon participants and included materials about the program at the event’s Active Living Expo (September 27 and 28).</li> <li>Product Care attended the City of Burnaby’s Eco Centre Grand Opening in September and shared information about the Program with the public</li> <li>Information about the Program was part of a month-long PCA display at the Mount Pleasant branch of the Vancouver Public Library in October. PCA-run information sessions about product stewardship and the Program in particular took place at the branch during Waste Reduction Week (October 21-27)</li> </ul>
<b>Local Government Partnerships</b>	<ul style="list-style-type: none"> <li>Product Care worked with municipalities and regional districts (RD) to promote the Product Care program, including:</li> </ul>

Element	2013 Activities
	<ul style="list-style-type: none"> <li>○ Advertising in 12 municipal garbage collection/recycling calendars.</li> <li>○ Providing website links on local government website linkages.</li> <li>○ Providing local governments with point-of-purchase consumer information materials free of charge.</li> </ul>

## 4 Collection Systems Information

As of December 31, 2013, Product Care contracted with 206 permanent, collection depots in British Columbia to provide convenient locations for consumers to drop off unwanted program products, a significant increase from 179 collection locations in 2012. Of the 206 locations, 124 were Paint Depots that only collected leftover paint products, including paint aerosols, and 82 were “Paint Plus” Depots that collected leftover additional paint products, as well as flammable liquids, pesticides and gasoline.

See Appendix A for a complete list of depots as of December 31, 2013. Table 2 provides a comparison of 2012 and 2013 depot numbers and Table 3 lists the changes in the collection system in 2013. Table 4 lists the number of collection sites by regional district.

**Table 2 – Product Care Depots, 2012 and 2013**

Collection Site Type	2012	2013	Change between 2012-2013
Paint Depots	112	124	+12
Paint Plus Depot	67	82	+15
<b>Total Permanent</b>	179	206	+27

**Table 3 – Depot Changes in 2013**

Depot Name	Location	Change from 2012
The Bargain Bin	Castlegar	New Paint Depot
K&J Bottle Depot	Vancouver	New Paint Depot
R&T Bottle Depot	Abbotsford	New Paint Depot
Lowe's	New Westminster	New Paint Depot
PG Recycling	Prince George	New Paint Depot
Bridgeview Return-It	Surrey	New Paint Depot
Panorama Village Return-It	Surrey	New Paint Depot
Coquitlam Return-It	Coquitlam	New Paint Depot
Newton Bottle Depot	Surrey	New Paint Depot
Blue River Eco Depot	Blue River	New Paint Depot
Lower Nicola Eco Depot	Lower Nicola	New Paint Depot
70 Mile House Eco Depot	70 Mile House	New Paint Depot

Depot Name	Location	Change from 2012
South Thompson Eco Depot	Pritchard	New Paint Depot
Lytton Eco Depot	Lytton	New Paint Depot
Clinton Eco Depot	Clinton	New Paint Depot
Heffley Creek Eco Depot	Heffley Creek	New Paint Depot
Galiano Island Recycling	Galiano Island	New Paint Depot
Logan Lake Eco Depot	Logan Lake	New Paint Depot
Fisher Road Recycling	Cobble Hill	New Paint Plus
T2 Market	Oliver	New Paint Plus
District of Tumbler Ridge	Tumbler Ridge	New Paint Plus
A&P Disposal	Sooke	New Paint Plus
Regional Recycling	Abbotsford	New Paint Plus
Regional Recycling	Nanaimo	New Paint Plus
Regional Recycling	Whistler	New Paint Plus
North Van Bottle Depot	North Vancouver	New Paint Plus
Comox Valley Waste Management Centre	Courtney	New Paint Plus
Campbell River Waste Management Centre	Campbell River	New Paint Plus
Clearwater Eco Depot	Clearwater	New Paint Plus
Louis Creek Eco Depot	Louis Creek	New Paint Plus
Heiltsuk Environmental	Bella Bella	New Paint Plus
Chetwynd Lions Recycling	Chetwynd	Change from paint to paint plus
Aldergrove Bottle Depot	Langley Township	Change from paint to paint plus
Langley Bottle Depot	Langley City	Change from paint to paint plus
Walnut Grove Bottle Depot	Langley Township	Change from paint plus to paint
RONA	Kamloops	CLOSED paint depot
RONA	Duncan	CLOSED paint depot
RONA	Abbotsford	CLOSED paint depot
Sooke & District Garbage Depot	Sooke	CLOSED paint depot

**Table 4 - Summary of Depots by Regional District in 2013**

Regional District	Number of Collection Sites
Alberni Clayoquot	2
Bulkley Nechako	7
Capital Regional District	13
Cariboo	6
Central Coast	2
Central Kootenay	5
Central Okanagan	3
Columbia Shuswap	6
Comox	3
Cowichan Valley	7
East Kootenay	6
Fraser Fort George	5
Fraser Valley	12

Regional District	Number of Collection Sites
Kitimat Stikine	5
Kootenay Boundary	6
Metro Vancouver	47
Mt. Waddington	3
Nanaimo Regional District	5
North Okanagan	5
Northern Rockies	1
Okanagan Similkameen	9
Peace River	5
Powell River Regional District	2
Skeena-Queen Charlotte	3
Squamish Lillooet	9
Strathcona	5
Sunshine Coast	4
Thompson Nicola	20
<b>TOTAL</b>	<b>206</b>

Product Care also supplements the depot collection system with a number of one day collection events, often in collaboration with a municipality or regional district. There were 24 collection events in 2013 (see Table 5).

**Table 5 – Collection Events in 2013**

Date	Event Location
Apr 06, 2013	Golden
Apr 13, 2013	Sicamous
May 04, 2013	Cache Creek
May 04, 2013	Chase
May 04, 2013	Delta
May 11, 2013	Barriere
May 11, 2013	Merritt
May 14, 2013	Mission
Jun 1, 2013	Kamloops
Jun 22, 2013	Galiano Island
Jul 20, 2013	Saturna Island
July 13, 20 & 27, 2013	Vaucroft, Buccaneer Bay, Eastbourne, Trail Island Group, Keats Island & Area
Sep 21, 2013	Creston
Sep 21, 2013	Nakusp
Sep 22, 2013	Kaslo
Sep 20, 2013	Enderby
Sep 28, 2013	Golden
Sep 28, 2013	Lumby
Sep 28, 2013	Vernon
Oct 05, 2013	Castlegar

Date	Event Location
Oct 05, 2013	Chilliwack
Oct 05, 2013	Nelson
Oct 05, 2013	Sicamous
Oct 19, 2013	Langley

## 5 Product Environmental Impact Reduction, Reusability and Recyclability

The ability of a stewardship program of this scope to influence product design is limited. The paint industry is a consolidating industry and most brand owners manufacture for a market area that includes more than one province or country. The overall program objective is to reduce the environmental impact of leftover paint through the application of the pollution prevention hierarchy of reduce/reuse/recycle.

Many of the paint products covered by the program have changed over time as a result of design for environment activity. In particular:

- There has been a steady shift in the marketplace from oil based (alkyd) paints to water based latex paints. This trend is expected to continue as the consumer preference for latex paint increases and technical specifications improve.
- Federal regulations relating to volatile organic compounds and the composition of surface coatings are hastening the process of reducing the environmental impact of paint products.

Tools used by Product Care Association that may have an impact on product life cycle and reduction of environmental impact include:

- Variable fees paid to the program by brand owners which increase with the size of the container
- Promotion to the consumer of the “B.U.D.” rule, i.e. **B**uy what you need, **U**se what you buy and **D**ispose of the remainder responsibly
- Educating the consumer on the proper storage of leftover paint
- Research development into alternative management options for collected materials

## 6 Pollution Prevention Hierarchy and Product / Component Management

Product Care endeavours to manage collected products in accordance with the “pollution prevention hierarchy” as follows:

### 6.1 Paint

Leftover paint is the largest volume of the residual products managed by the program. Leftover paint is managed in a number of ways:

#### Reuse

Reusable paint is given away at no charge through the Paint Exchange program to members of the public and to non-profit organizations to be used for its originally intended purpose. The Paint Exchange option is offered at most Product Care depots outside Metro Vancouver. Within Metro Vancouver, the paint exchange program is centralized at Product Care's facility in Surrey with three other paint exchange locations in Vancouver, North Vancouver and Maple Ridge.

In 2013, 130 depots participated in the paint exchange program, representing 63% of all depots. Users of the program included individuals, community organizations, theatres and anti-graffiti programs. Many participants obtain information about the Paint Exchange program through the RCBC Materials Exchange program. During 2013, 2% of the volume of non-aerosol paint collected by Product Care was reused through the paint exchange program.<sup>1</sup>

### **Recycling**

Product Care utilizes a number of options for paint recycling including:

- Reprocessing leftover paint into paint and coatings products.
- Latex paint as raw material incorporated in the manufacture of recycled concrete, and in the manufacture of Portland cement.

During 2013, 100% of the latex paint collected by the program was recycled by one of these methods.

### **Energy Recovery**

Due to the high solvent content of alkyd (oil based) paints; alkyd paints are suitable for energy recovery. Through the process of fuel blending, 100% of the oil based paint collected by Product Care during 2013 was used as an alternative energy source in applications such as permitted incinerators. Product Care continues to search for recycling options for oil based paint. This is generally more difficult due to hazardous waste and transportation regulations which limit the movement of this kind of material. In addition, the chemistry of alkyd paints makes it more difficult to recycle into paint and coating products, and the market for the recycled alkyd products is significantly smaller than that for the water based products and continues to diminish. Regulations, such as the Federal VOC Regulations, required tighter limits on certain chemical constituents, which tend to be higher in older paints, making recycling of alkyd paints more difficult.

## **6.2 Flammables**

As a result of the nature of flammable products, and the fact that many flammable products are sold as fuels, collected leftover flammables are managed for energy recovery as alternative fuels in permitted facilities which comply with all air quality regulations.

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<sup>1</sup> Based on paint containers containing an average 3L of paint for each 3.78L can and compared against total recovery rates.

### 6.3 Pesticides

Due to the nature of pesticides, there is no reuse or recycling option available for pesticides and all such products are incinerated at high temperature government regulated and permitted incinerators.

### 6.4 Gasoline

Due to the nature of gasoline, which is intended to be used as a fuel, collected waste gasoline is managed as an alternative fuel for energy recovery at permitted facilities.

### 6.5 Containers

#### **Metal Container Recycling:**

A total of approximately 850,000 kg of metal containers from paint, flammable liquids, pesticide (triple rinsed) and gasoline, representing 100% of all such containers collected by the program in 2013, were sent for metal recycling

#### **Plastic Container Recycling:**

All 5 gal size plastic paint pails (approx. 154,000 kg) and plastic gasoline containers (approx. 7,000kg) continue to be recycled. Further, approximately 8,000 kg of plastic from solvents and pesticide processing were triple rinsed and sent for plastics recycling.

#### **Plastic Containers Energy Recovery:**

Due to the limited demand for recycled polypropylene, 100% of plastic (polypropylene #5) one US gallon size paint cans were sent for energy recovery (approx. 94,000 kg).

## 7 Recovery Rate

The recovery rate compares the volume of products sold in a year to the quantity of products collected by the program in that same year (i.e. residual recovery volume). This is calculated by dividing the volume of residuals collected by the volume sold in each year. The recovery rate is continuously affected by factors outside of Product Care's control. Since the recovery rate uses the volume of products sold in a year as the denominator, fluctuations in the volume of products sold can change the recovery rate – and this can easily change depending on economic conditions. Also note that the paint and HHW products managed in the program can be stored for long periods of time and most are designed to be fully consumed.

Table 6 below shows the calculation of the recovery rate, based on the 2013 Program Product sales in BC and the residual recovery volume of Program Products collected in 2013.

Member reporting for the gasoline category is based on a per gasoline station basis. Members with gasoline stations do not provide gasoline sales by volume and therefore, sales volumes are not available and are excluded from the flammable liquids/gasoline category.

With respect to residual recovery volumes, gasoline and flammable liquids are processed together and are reported out as one figure.

**Table 6 – Approximate 2013 sales, residual recovery volumes and recovery rates**

	Paint (non aerosol) <sup>2</sup>	Paint Aerosol <sup>3</sup>	Flammable Liquids/Gasoline <sup>4</sup>	Pesticides <sup>5</sup>
<b>Sales (litres)<sup>6*</sup></b>	27,123,049	1,123,771	3,390,392	149,310
<b>Residual Recovery Volume (litres)</b>	2,852,349	37,008	105,078	17,897
<b>2013 Recovery Rate</b>	10.52%	3.29%	3.10%	11.99%

\*From time to time members join the program who are required to submit retroactive unit sales information which can include sales data related to prior years. Please note that the 2013 data represents units sold during the 2013 year as reported by members. Any prior year sales data reported by members during 2013 has not been included in the unit sales as reported and prior year reports have not been amended to include this data.

Table 7 shows the tubskids (or tubskid equivalents) collected in BC, broken down by each Regional District.

**Table 7 – Tubskids collected by regional districts**

Regional District	Paints	Aerosols	Solvents	Pesticides	Other Aerosols
Alberni Clayoquot	105	18	1	1	1
Bulkley Nechako	91	12	0	0	0
Capital Regional District	2364	77.9	84	23	28.4
Cariboo	141	14	2	0	0
Central Coast	8	1	0	0	0
Central Kootenay	239	14.8	4	2.9	2.3
Central Okanagan	913	41.2	19	5	8.9
Columbia Shuswap	197	8.3	4	-1	-1
Comox	357	10.6	11.0	0	0

<sup>2</sup> Paint residual recovery volume includes tubskids of recovered paint and reused paint under the Paint Exchange program. Volumes were calculated based on a tubskid holding 120 litres of product, which represents the average volume generated per tubskid over the full year 2013, and the assumption that paint containers exchanged as reported by collection sites were 75% full.

<sup>3</sup> Paint aerosol residual recovery volume was calculated based on 28 litres per tubskid, representing the average volume generated per tubskid over the full year 2013.

<sup>4</sup> Flammable Liquids/Gasoline residual recovery volume was calculated based on 166 litres per tubskid, representing the average volume generated per tubskid over the full year 2013.

<sup>5</sup> Pesticide residual recovery volume was calculated based on 110 litres per tubskid, representing the average volume generated per tubskid over the full year 2013.

<sup>6</sup> Volumes reported as “Sales (litres)” are estimated by converting units reported to Product Care by its members and applying the typical container volume for each eco-fee category.



Regional District	Paints	Aerosols	Solvents	Pesticides	Other Aerosols
Cowichan Valley	622	41	42	10.6	9
East Kootenay	324	13	6	2	2.2
Fraser Fort George	252	18	8	3	1
Fraser Valley	1394	61.2	32	11	2.8
Kitimat Stikine	72	398.1	320	83	89.1
Kootenay Boundary	166	8.3	0	0	0
Metro Vancouver	11,840	9.9	8	2	0
Mt. Waddington	57	10	0	0	0
Nanaimo Regional District	1072	42.9	35	10.3	5.7
North Okanagan	410	25	5	1	0
Northern Rockies	6	1	1	0	1
Okanagan Similkameen	450	25.6	3	1	1.6
Peace River	254	13	5	0	1
Powell River Regional District	70	5	4	1	0
Skeena-Queen Charlotte	50	7	3	1	0
Squamish Lillooet	284	18	4	1	0
Strathcona	160	48.2	10	1	2.3
Sunshine Coast	298	51.4	16	2.9	0.9
Thompson Nicola	521	23	5	1	2

\* Tubskids are 4'x4'x3' plastic boxes used for the collection of paint, paint aerosols, flammable liquids and pesticides. Container capacity volume is calculated by converting the total number of tubskids collected into equivalent litres at a conversion rate of 432 litres per tubskid. The total number of tubskids was rounded to the nearest whole unit. Drums are converted to tubskids at a conversion rate of 0.3 drums per tubskid.

The BC Paint and HHW Program Plan notes that, although the year to year residual recovery volume historically is tracked (see Table 8 below), the preferred performance indicator is container capacity volume (see Table 9 below). Container capacity volume, also known as “equivalent litre container” (ELC), is a measure of the capacity of the original containers that are returned through the program. These figures are extrapolated from the number of tubskids of program products managed by the program. Container capacity volume is the preferred indicator because it allows for comparison of total sales volumes against total potential volumes that would have been collected had the paint cans been full. The preference for using container capacity volume is based on the fact that Product Care has no control on the amount of paint leftover *inside* a paint can (what residual recovery volume measures), but we can have some control on the number of paint cans returned (what container capacity volume measures).

**Table 8 – Residual recovery volumes**

Residual recovery volume (Litres)	Paints (non aerosol)	Aerosol Paints	Flammable Liquids/Gasoline	Pesticides
<b>2013</b>	2,852,349	37,008	105,078	17,897
<b>2012</b>	2,893,284	41,645	99,060	19,678
<b>2013 change vs. 2012</b>	-1.41%	-11.13%	6.08%	-9.05%

**Table 9 – Container Capacity Volumes**

Container capacity volume (Litres)	Paints (non aerosol)	Aerosol Paints	Flammable Liquids/Gasoline	Pesticides
<b>2013</b>	9,938,160	231,298	305,516	70,286
<b>2012</b>	9,801,648	202,440	301,760	75,902
<b>2011</b>	9,618,048	192,588	289,930	69,638
<b>2013 change vs. 2012</b>	1.39%	14.26%	1.24%	-7.40%

## 8 Fee Regime

The program is funded by membership fees, known as “eco fees”, remitted to Product Care by its members based on the volume of sales of the designated products. Below are the fees for the different product categories in 2013.

### BC Paint Fees

100 ml to 250 ml	20¢
251 ml to 1 litre	25¢
1.01 litres to 5 litres	60¢
5.01 litres to 23 litres	\$1.50
Aerosol paint (any size)	25¢

### Flammable Liquids

750 ml or less	5¢
751 ml to 1 litre	10¢
1.01 litres to 2 litre	20¢
2.01 litres to 4 litres	40¢
4.01 litres to 10 litres	\$1.00

### Household Pesticides

Less than 10 ml or g	1¢
0.01 litres to .89 litres or kg	60¢
0.9 litres to 1.79 litres or kg	\$1.20
1.8 litres to 10 litres or kg	\$2.40

### Aerosol Flammable Liquids

1 to 75 ml	1¢
76 to 200 ml	5¢
201 ml and over	10¢

### BC Gasoline

Per gasoline station in B.C.	\$11.25 per month
------------------------------	-------------------

## 9 Performance Targets

Table 10 sets out the key performance targets under the Program Plan, performance outcomes for 2013 and strategies for performance improvement going forward.

**Table 10: Key Performance Targets and Outcomes**

Key Performance Targets and Outcomes			
Program Area	2013 Target	2013 Performance	Strategies for Improvement
Collection Depots	An annual minimum increase of one new paint plus depot, using the number of depots in 2011 as the baseline for this target.  2013 target: 173 depots.	Target exceeded: 206 depots.	Continue to add collection sites to the network, where gaps exists.
Paint Exchange Depots	Track and report the number of paint depots offering Paint Exchange.	130 depots (63% of all depots) offered Paint Exchange programs	PCA will continue to encourage depots to offer Paint Exchange programs
Flammable Liquids	4% annual increase in total collected volumes (container capacity volume) of flammable liquids.	There was a 1.24% increase in the total volume of flammable liquids collected.	Continue to work on increasing consumer awareness.
Pesticides	Maintain pesticides collection volumes at 2011 baseline.	Pesticide collection volumes in 2013 surpassed 2011 baseline levels by 1%.	Continue to work on increasing consumer awareness.
Paint Collected	4% annual increase of total collected volumes (container capacity volume) for the paint product categories.	In 2013, PaintRecycle saw the following percentage changes over the 2012 collected volumes: Paint (non aerosol): 1.39% Paint (aerosol): 14.26%	The sales of paint in BC continued to decline in 2013, which potentially reduced the amount of paint available to collect.  The program will continue to focus on increasing consumer awareness, including

Key Performance Targets and Outcomes			
Program Area	2013 Target	2013 Performance	Strategies for Improvement
			conducting a consumer awareness survey in 2014.
Paint Reused	Increase volume of paint being managed through reuse to 2.5% of paint collected by 2016	2% of paint collected was reused in 2012. The 2.5% target is set for 2016, allowing us more time to reach this target.	Continue to promote reuse and paint exchange program
Latex Paint Recycling Volumes	Maintain rate of 100% recycling of latex paint.	Achieved in 2013.	N/A
Metal and #2 Plastic Containers	Maintain rate of 100% recycling of metal and #2 plastic paint containers.	Achieved in 2013.	N/A
Energy Recovery from #5 and Flammable Plastic Containers	Maintain rate of 95% of #5 plastic paint containers and flammable plastic containers managed for energy recovery	100% of #5 plastic paint and flammable containers were managed for energy recovery in 2013.	N/A
Plastic and Metal Gasoline Container Recycling	Maintain rate of 100% of plastic and metal gasoline containers being recycled	Achieved in 2013.	N/A
Pesticide Container Recycling	Identify options/technology for recycling pesticide containers	Achieved in 2013. 100% of plastic pesticide containers are triple rinsed and recycled.	N/A
Consumer Awareness	Consumer awareness level of 71% by 2013.	Consumer awareness survey conducted by PCA determined 66% of British Columbians were aware of the BC Paint Program.	A strategic communications plan has been developed for 2014 that uses a number of methods to educate the consumer about the Program, including paid and earned media opportunities that celebrate the 20 <sup>th</sup> anniversary of the paint program in B.C.

## Appendix A: BC Paint and HHW Depot List as of December 31, 2013 (by Regional District)

Collection Site Name	Regional District	City	Paint Exchange	Paint Plus
Sun Coast Eco Depot	Alberni Clayoquot	Port Alberni		Yes
The Bottle Depot	Alberni Clayoquot	Port Alberni	Yes	Yes
Burns Lake Transfer Station	Bulkley Nechako	Burns Lake	Yes	
Fort St. James Transfer Station	Bulkley Nechako	Fort St. James	Yes	
Ouellette Bros. Building Supplies	Bulkley Nechako	Fort St. James		Yes
Area 'D' Transfer Station	Bulkley Nechako	Fraser Lake	Yes	
Knockholt Sub-Regional Landfill	Bulkley Nechako	Houston	Yes	
Smithers/Telkwa Transfer Station	Bulkley Nechako	Smithers	Yes	Yes
Nechako Valley School Bottle Depot	Bulkley Nechako	Vanderhoof	Yes	
Gabriola Island Recycling Depot	Capital Regional District	Gabriola Island	Yes	Yes
Galiano Island Recycling	Capital Regional District	Galiano Island	Yes	
Mayne Island Recycling Society	Capital Regional District	Mayne Island		
Oak Bay Recycling Depot	Capital Regional District	Oak Bay		
Pender Island Recycling Society	Capital Regional District	Pender Island	Yes	
Hartland Recycling Depot	Capital Regional District	Saanich	Yes	Yes
Saltspring Island Recycling	Capital Regional District	Saltspring Island		Yes
Sidney Bottle Depot	Capital Regional District	Sidney	Yes	
A&P Disposal	Capital Regional District	Sooke	Yes	Yes
RONA - Baywest Hardware Ltd.	Capital Regional District	Victoria		
RONA Home & Garden (Langford)	Capital Regional District	Victoria		
Alpine Disposal & Recycling	Capital Regional District	Victoria		Yes
Ellice Recycle Ltd.	Capital Regional District	Victoria		Yes
Gold Trail Recycling	Cariboo	100 Mile House	Yes	
RONA - Interlakes Building	Cariboo	Lone Butte		
Quesnel Landfill Site	Cariboo	Quesnel		

Collection Site Name	Regional District	City	Paint Exchange	Paint Plus
RONA Home Centre (Quesnel)	Cariboo	Quesnel		
RONA Home Centre (Williams Lake)	Cariboo	Williams Lake		
Central Cariboo Disposal Services	Cariboo	Williams Lake	Yes	Yes
Heiltsuk Environmental Bella Eco-Depot	Central Coast	Bella Bella	Yes	Yes
Bella Coola Recycling Depot	Central Coast	Bella Coola	Yes	
The Bargain Bin	Central Kootenay	Castlegar	Yes	
Columbia Bottle Recycling	Central Kootenay	Creston	Yes	
Kaslo Building Supplies	Central Kootenay	Kaslo		Yes
Nelson Leafs Recycling	Central Kootenay	Nelson	Yes	Yes
Silverton Building Supplies	Central Kootenay	Silverton		
RONA Home & Garden (Kelowna)	Central Okanagan	Kelowna		
Battery Doctors	Central Okanagan	Kelowna	Yes	Yes
Boucherie Self Storage & Bottle Depot	Central Okanagan	Westbank	Yes	Yes
RONA - Glacier Building Supplies	Columbia Shuswap	Revelstoke		
B&D Bottlers Ltd	Columbia Shuswap	Revelstoke	Yes	
RONA Home Centre (Salmon Arm)	Columbia Shuswap	Salmon Arm		
Bill's Bottle Depot	Columbia Shuswap	Salmon Arm	Yes	Yes
RONA - Shuswap Building Supplies	Columbia Shuswap	Scotch Creek		
Scotch Creek Bottle Depot	Columbia Shuswap	Scotch Creek	Yes	
Comox Return Centre	Comox Valley	Comox	Yes	
Comox Valley Waste Management Centre	Comox Valley	Courtenay	Yes	Yes
Courtenay Return-It Depot	Comox Valley	Courtenay	Yes	Yes
RONA Building Centre (Cobble Hill)	Cowichan Valley	Cobble Hill		
Fisher Road Recycling	Cowichan Valley	Cobble Hill	Yes	Yes
Bings Creek Solid Waste	Cowichan Valley	Duncan	Yes	Yes
Cowichan Valley Bottle Depot	Cowichan Valley	Duncan	Yes	Yes
Junction Bottle Depot Ltd.	Cowichan Valley	Ladysmith	Yes	
Peerless Road Recycling	Cowichan Valley	Ladysmith	Yes	Yes
Meade Creek Recycling Drop-Off Depot	Cowichan Valley	Lake Cowichan	Yes	Yes
RONA - Cranbrook Building Centre	East Kootenay	Cranbrook		
Cranbrook Bottle Depot	East Kootenay	Cranbrook	Yes	Yes
Fernie Bottle Depot	East Kootenay	Fernie	Yes	
RONA - Northstar Hardware	East Kootenay	Invermere		
Invermere Fire Department	East Kootenay	Invermere	Yes	
New & Nearly New	East Kootenay	Kimberley	Yes	
Irly Building Center - Mackenzie	Fraser Fort George	Mackenzie		
RONA - Capital Building Supplies	Fraser Fort George	Prince George		

Collection Site Name	Regional District	City	Paint Exchange	Paint Plus
PG Recycling & Return-It Centre	Fraser Fort George	Prince George	Yes	
Nechako Bottle Depot	Fraser Fort George	Prince George		Yes
Rex's Recycling Centre	Fraser Fort George	Valemount	Yes	
RONA Home Centre (Clearbrook)	Fraser Valley	Abbotsford		
R&T Bottle Depot	Fraser Valley	Abbotsford	Yes	
Abbotsford Bottle Depot	Fraser Valley	Abbotsford		Yes
Abbotsford Community Services	Fraser Valley	Abbotsford	Yes	Yes
Regional Recycling - Abbotsford	Fraser Valley	Abbotsford	Yes	Yes
Aldergrove Return-It	Fraser Valley	Aldergrove	Yes	Yes
RONA Home Centre (Chilliwack)	Fraser Valley	Chilliwack		
Sardis Bottle Depot	Fraser Valley	Chilliwack	Yes	
Chilliwack Bottle Depot	Fraser Valley	Chilliwack		Yes
RONA Home Centre (Hope)	Fraser Valley	Hope		
RONA Home Centre (Mission)	Fraser Valley	Mission		
Mission Recycling Depot	Fraser Valley	Mission	Yes	Yes
Kitimat Recycling Depot	Kitimat Stikine	Kitimat	Yes	
Hazelton Bottle Depot (was New Hazelton Bottle)	Kitimat Stikine	New Hazelton	Yes	
Tidewater Equipment	Kitimat Stikine	Stewart	Yes	
RONA - Terrace Builders	Kitimat Stikine	Terrace		
Lakelse Holdings Ltd.	Kitimat Stikine	Terrace	Yes	Yes
Beaverdell Landfill	Kootenay Boundary	Beaverdell	Yes	Yes
Norbert Salvage	Kootenay Boundary	Bridesville	Yes	
Grand Forks Regional Landfill	Kootenay Boundary	Grand Forks	Yes	Yes
West Boundary Regional Landfill	Kootenay Boundary	Greenwood	Yes	Yes
Trail Bottle Depot	Kootenay Boundary	Trail	Yes	
McKelvey Creek Landfill	Kootenay Boundary	Trail	Yes	Yes
Agassiz Bottle Depot	Metro Vancouver	Agassiz	Yes	Yes
Kitchener Bottle Depot Ltd.	Metro Vancouver	Burnaby		
Lee's Bottle Depot	Metro Vancouver	Burnaby		
RONA Home Centre (Burnaby - Edmonds)	Metro Vancouver	Burnaby		
Burnaby Recycling Depot	Metro Vancouver	Burnaby		Yes
Regional Recycling - Burnaby	Metro Vancouver	Burnaby	Yes	Yes
RONA Home Centre (Austin)	Metro Vancouver	Coquitlam		
RONA Home Centre (Coquitlam)	Metro Vancouver	Coquitlam		
Coquitlam Return-It Depot	Metro Vancouver	Coquitlam	Yes	
Lougheed Return-It Depot	Metro Vancouver	Coquitlam	Yes	
Ladner Bottle Depot	Metro Vancouver	Delta		

Collection Site Name	Regional District	City	Paint Exchange	Paint Plus
Tsawassen Bottle Depot	Metro Vancouver	Delta (Tsawwassen)	Yes	
Willowbrook Recycling Depot	Metro Vancouver	Langley		
Walnut Grove Bottle Depot	Metro Vancouver	Langley	Yes	
Langley Bottle Depot	Metro Vancouver	Langley	Yes	Yes
RONA Home Centre (Maple Ridge)	Metro Vancouver	Maple Ridge		
Ridge Meadows Recycling Society	Metro Vancouver	Maple Ridge	Yes	Yes
Lowe's - New Westminster	Metro Vancouver	New Westminster		
New Westminster Recycling	Metro Vancouver	New Westminster		
RONA - BH Allen Building Centre	Metro Vancouver	North Vancouver		
RONA Home Centre (North Vancouver - Tilford)	Metro Vancouver	North Vancouver		
North Shore Bottle Depot	Metro Vancouver	North Vancouver	Yes	
North Van. Transfer Station	Metro Vancouver	North Vancouver		Yes
North Van Bottle Depot	Metro Vancouver	North Vancouver	Yes	Yes
RONA - GA Hardware Ltd.	Metro Vancouver	Port Coquitlam		
Biggar Bottle Depot	Metro Vancouver	Port Coquitlam		Yes
RONA - Mack Foster (Richmond)	Metro Vancouver	Richmond		
Steveston Return-It Depot	Metro Vancouver	Richmond	Yes	
Richmond Recycling Depot	Metro Vancouver	Richmond		Yes
Regional Recycling - Richmond	Metro Vancouver	Richmond	Yes	Yes
Fleetwood Bottle Return Depot Ltd.	Metro Vancouver	Surrey		
RONA Home Centre (Fleetwood)	Metro Vancouver	Surrey		
RONA Home Centre (King George)	Metro Vancouver	Surrey		
RONA Home Centre (South Surrey)	Metro Vancouver	Surrey		
Semiahmoo Bottle Depot	Metro Vancouver	Surrey		
Bridgeview Return-It	Metro Vancouver	Surrey	Yes	
Newton Bottle Depot	Metro Vancouver	Surrey	Yes	
Panorama Village Return-it	Metro Vancouver	Surrey	Yes	
Scott Road Bottle Depot	Metro Vancouver	Surrey		Yes
Go Green Depot & Recycling	Metro Vancouver	Vancouver		
Joe's Bottle Depot	Metro Vancouver	Vancouver		
RONA Home & Garden (Grandview)	Metro Vancouver	Vancouver		
RONA Home Centre (Kingsway)	Metro Vancouver	Vancouver		
Powell Street Return-it Bottle Depot	Metro Vancouver	Vancouver	Yes	
East Van Bottle Depot	Metro Vancouver	Vancouver		Yes
Regional Recycling - Vancouver	Metro Vancouver	Vancouver	Yes	Yes
South Van Bottle Depot	Metro Vancouver	Vancouver	Yes	Yes
RONA - RA Rosback (Alert Bay)	Mt. Waddington	Alert Bay		



Collection Site Name	Regional District	City	Paint Exchange	Paint Plus
RONA - RA Rosback (Port McNeill)	Mt. Waddington	Port McNeill		
Seven Mile Recycling Centre	Mt. Waddington	Port McNeill	Yes	Yes
RONA Building Centre (Nanaimo)	Nanaimo Regional District	Nanaimo		
Nanaimo Recycling Exchange Society	Nanaimo Regional District	Nanaimo	Yes	Yes
Regional Recycling Nanaimo	Nanaimo Regional District	Nanaimo	Yes	Yes
Parksville Bottle & Recycling Depot	Nanaimo Regional District	Parksville	Yes	Yes
Qualicum Bottle Depot	Nanaimo Regional District	Qualicum Beach	Yes	
Armstrong Collision	North Okanagan	Armstrong	Yes	
KBM Autoworks	North Okanagan	Lumby	Yes	
RONA Home Centre (Vernon)	North Okanagan	Vernon		
Interior Freight & Bottle Ltd.	North Okanagan	Vernon	Yes	
Chasers Bottle Depot	North Okanagan	Vernon	Yes	Yes
Wide Sky Disposal	Northern Rockies	Fort Nelson	Yes	Yes
Oliver Sanitary Landfill	Okanagan Similkameen	Oliver	Yes	
T2 Market	Okanagan Similkameen	Oliver	Yes	Yes
Osoyoos Bottle Depot	Okanagan Similkameen	Osoyoos	Yes	
RONA Home Centre (Penticton)	Okanagan Similkameen	Penticton		
Campbell Mountain Landfill	Okanagan Similkameen	Penticton	Yes	Yes
J&C Bottle Depot	Okanagan Similkameen	Penticton	Yes	Yes
Town of Princeton	Okanagan Similkameen	Princeton	Yes	
Summerland Bottle Depot	Okanagan Similkameen	Summerland	Yes	
Summerland Landfill	Okanagan Similkameen	Summerland	Yes	Yes
Chetwynd Lions Recycling	Peace River	Chetwynd	Yes	Yes
D.C. Recycling & Bottle Depot	Peace River	Dawson Creek	Yes	Yes
RONA Bulding Centre (Fort St. John)	Peace River	Fort St. John		
FSJ Bottle Drop	Peace River	Fort St. John	Yes	Yes
Tumbler Ridge Transfer Station	Peace River	Tumbler Ridge	Yes	Yes

Collection Site Name	Regional District	City	Paint Exchange	Paint Plus
RONA - Powell River Building Supply	Powell River Regional District	Powell River		
Augusta Recyclers Ltd.	Powell River Regional District	Powell River	Yes	Yes
Islands Regional Landfill Depot	Skeena-Queen Charlotte	Port Clements	Yes	
RONA - Tye Building Supplies	Skeena-Queen Charlotte	Prince Rupert		
Regional Recycling - Prince Rupert	Skeena-Queen Charlotte	Prince Rupert	Yes	Yes
Lillooet Glass & Tire	Squamish Lillooet	Lillooet	Yes	
SLRD Lillooet Landfill	Squamish Lillooet	Lillooet	Yes	Yes
RONA Pemberton Valley Hardware	Squamish Lillooet	Pemberton		
Carney's Waste Systems - Pemberton	Squamish Lillooet	Pemberton	Yes	Yes
RONA Home Centre (Squamish)	Squamish Lillooet	Squamish		
Carney's Waste Systems - Squamish	Squamish Lillooet	Squamish	Yes	Yes
RONA Home Centre (Whistler)	Squamish Lillooet	Whistler		
Carney's Waste Systems - Whistler	Squamish Lillooet	Whistler	Yes	
Regional Recycling - Whistler	Squamish Lillooet	Whistler	Yes	Yes
Campbell River Bottle Depot	Strathcona	Campbell River	Yes	Yes
RONA Building (Campbell River)	Strathcona	Campbell River		
Campbell River Waste Management Centre	Strathcona	Campbell River	Yes	Yes
Cortes Island Recycling	Strathcona	Cortes Island	Yes	Yes
Village of Gold River	Strathcona	Gold River	Yes	Yes
Gibsons Recycling Depot	Sunshine Coast	Gibsons	Yes	Yes
RONA Home Centre (Madeira Park)	Sunshine Coast	Madeira Park		
GRIPS Recycling	Sunshine Coast	Pender Harbour	Yes	
Sechelt Landfill	Sunshine Coast	Sechelt	Yes	Yes
70 Mile House Eco Depot	Thompson Nicola	70 Mile House	Yes	
Quality Glass Ltd.	Thompson Nicola	Ashcroft	Yes	
Blue River Eco Depot	Thompson Nicola	Blue River	Yes	
RONA - North Valley Supply Ltd.	Thompson Nicola	Clearwater		
Super Save Bottle Depot	Thompson Nicola	Clearwater	Yes	
Clearwater Eco Depot	Thompson Nicola	Clearwater	Yes	Yes
Clinton Eco Depot	Thompson Nicola	Clinton	Yes	
Heffley Creek Eco Depot	Thompson Nicola	Heffley Creek	Yes	
Barnhartvale Landfill	Thompson Nicola	Kamloops		
RONA Home Centre (Kamloops)	Thompson Nicola	Kamloops		
Lorne Street Bottle Depot	Thompson Nicola	Kamloops	Yes	Yes

Collection Site Name	Regional District	City	Paint Exchange	Paint Plus
Mission Flats Landfill	Thompson Nicola	Kamloops	Yes	Yes
Logan Lake Eco Depot	Thompson Nicola	Logan Lake	Yes	
Louis Creek Eco Depot	Thompson Nicola	Louis Creek	Yes	Yes
Lower Nicola Eco Depot	Thompson Nicola	Lower Nicola	Yes	
Lytton Eco Depot	Thompson Nicola	Lytton	Yes	
Merritt Machine Works Ltd.	Thompson Nicola	Merritt	Yes	
Home Hardware - Merritt	Thompson Nicola	Merritt		Yes
South Thompson Eco Depot	Thompson Nicola	Pritchard	Yes	
Starlite Auto Wrecking & Repair	Thompson Nicola	Sorrento	Yes	

Appendix B: 2012 BC Paint and HHW Audited Financial Statements

**PRODUCT CARE ASSOCIATION  
BC PAINT AND HOUSEHOLD HAZARDOUS  
WASTE PROGRAM**

**STATEMENT OF REVENUES AND EXPENSES**

**31 DECEMBER 2013**



**ROLFE, BENSON LLP**  
CHARTERED ACCOUNTANTS

**PRODUCT CARE ASSOCIATION  
BC PAINT AND HOUSEHOLD HAZARDOUS WASTE PROGRAM  
Statement of Revenues and Expenses  
For the year ended 31 December 2013**

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## INDEPENDENT AUDITORS' REPORT

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To: BC Ministry of Environment,

As required the British Columbia Environmental Management Act, Recycling Regulation 8(2)(f)(ii), we have audited the Statement of Revenues and Expenses of the BC Paint and Household Hazardous Waste Program (the "Statement") as reported by Product Care Association for the year ended 31 December 2013 and a summary of significant accounting policies and other explanatory information.

### Management's Responsibility for the Statement

Management is responsible for the preparation of the Statement in accordance with Canadian accounting standards for not-for-profit organizations, and for such internal control as management determines is necessary to enable the preparation of the Statement that is free from material misstatement, whether due to fraud or error.

### Auditors' Responsibility

Our responsibility is to express an opinion on the Statement based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the Statement is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the Statement. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the Statement, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the Statement in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the Statement.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.





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**INDEPENDENT AUDITORS' REPORT - continued**

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**Opinion**

In our opinion, the Statement presents fairly, in all material respects, the revenues and expenses of the BC Paint and Household Hazardous Waste Program as reported by Product Care Association for the year ended 31 December 2013 in accordance with Canadian accounting standards for not-for-profit organizations.

**Restriction on Distribution**

This report is prepared on the direction of Product Care Association's management and the BC Ministry of Environment. As a result, the report may not be suitable for another purpose. Our report is intended solely for Product Care Association's management and the BC Ministry of Environment and should not be distributed to other parties.

*Rolfe, Benson LLP*

CHARTERED ACCOUNTANTS

Vancouver, Canada  
28 April 2014





**PRODUCT CARE ASSOCIATION**  
**BC PAINT AND HOUSEHOLD HAZARDOUS WASTE PROGRAM**  
**Statement of Revenues and Expenses**  
**For the year ended 31 December 2013**

2013

<b>Revenues</b>	
Liquid paint	\$ 3,559,396
Aerosol paint	948,369
Solvents	644,363
Pesticides	213,084
Petroleum	142,806
Other	105,021
	5,613,039
<b>Program expenses</b>	
<b>Collection</b>	
Collection - depot payments	1,327,931
Transportation - inbound	859,891
	2,187,822
<b>Processing facility (Note 3)</b>	
Wages and benefits	990,054
Fixed rent, utilities and other	270,227
Variable costs	379,225
	1,639,506
<b>Third party disposal</b>	
Third party disposal	1,274,775
Transportation - outbound	125,499
	1,400,274
<b>Other expenses</b>	
Depreciation	100,265
Communications	30,373
Insurance	1,620
	132,258
<b>Total program expenses</b>	5,359,860
<b>Overhead allocation (Note 2(d))</b>	434,527
<b>Deficiency of revenues over expenses for the year</b>	\$ (181,348)

The accompanying notes are an integral part of this statement of revenues and expenses.

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**PRODUCT CARE ASSOCIATION**  
**BC PAINT AND HOUSEHOLD HAZARDOUS WASTE PROGRAM**  
**Notes to the Statement of Revenues and Expenses**  
**For the year ended 31 December 2013**

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**1. Basis of Presentation**

The Statement of Revenues and Expenses (the "Statement") only includes the revenues and expenses related to the BC Paint and Household Hazardous Waste Program, a segment of the operations of Product Care Association (the "Association").

**2. Summary of Significant Accounting Policies**

The Statement is prepared in accordance with Canadian accounting standards for not-for-profit organizations. The significant policies are detailed as follows:

(a) Revenue Recognition

Revenue from eco-fees is recognized at the time an eco-fee applicable product is sold by a member of the Association, and the eco-fee becomes due and payable.

(b) Capital Assets

Capital assets are recorded at cost. The Association provides for amortization using the straight-line method at rates designed to amortize the cost of the capital assets over their estimated useful lives. The annual amortization rates are as follows:

Storage Depots	5 years
Office Equipment	2 years
Depot Equipment	2, 3 and 5 years
Leasehold Improvements	5 years

(c) Use of Estimates

The preparation of financial statements in conformity with Canadian accounting standards for not-for-profit organizations requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the balance sheet date and the reported amounts of revenues and expenses during the year. Actual results could differ from those estimates.

(d) General and Administrative Expenses - Overhead Allocation

A portion of the total general and administrative expenses of the Association, net of expense recoveries, has been allocated to this program. The allocation of general and administrative expenses to this program is determined using the percentage of program specific operating expenses as compared to total operating expenses for all the Association's programs.

**3. Processing Commitment**

At year end, the Association had unprocessed program materials on hand with an estimated cost to process, transport and recycle of \$84,618 which will be incurred in 2014.



**BC PAINT AND HOUSEHOLD  
HAZARDOUS WASTE PROGRAM**

**INDEPENDENT AUDITORS' REPORT**

**31 DECEMBER 2013**



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## INDEPENDENT AUDITOR'S REPORT

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To the British Columbia Ministry of Environment:

We have audited the following Sections within Product Care Association's (the "Association") Annual Report for the BC Paint and Household Hazardous Waste Program for the year ended 31 December 2013 (together the "Subject Matter"):

- Table 2 and Appendix A - *Collection facilities;*
- Table 6 - *Product sold and collected;*
- Table 6 - *Recovery rate; and*
- *Description of performance for the year in relation to the collection depot target in Table 10 of the Annual Report.*

The objective of this Report is to disclose how the Association's management has discharged its responsibility to report on the Subject Matter in accordance with Sections 8(2)(b), and (e) of the Recycling Regulation.

The Subject Matter is the responsibility of the Association's management who have prepared the Subject Matter in accordance with the evaluation criteria which are an integral part of the Subject Matter. Our responsibility is to express an opinion on this Subject Matter based on our audit. Our audit does not constitute a legal determination on the Association's compliance with the Recycling Regulation.

### **Evaluation Criteria**

The suitability of the evaluation criteria is the responsibility of management. The evaluation criteria presented in Attachment 1 are an integral part of the Subject Matter and address the relevance, completeness, reliability, neutrality and understandability of the Subject Matter.

### **Scope of the Audit**

We carried out our audit in accordance with Canadian Auditing Standard 5025, published by the Chartered Professional Accountants of Canada. This Standard requires, amongst others, that the assurance team possesses the specific knowledge, skills and professional competencies needed to understand and audit the information included within the Subject Matter, and that they comply with specific requirements to ensure their independence.





An audit includes examining, on a test basis, evidence supporting the amounts and disclosures within the Subject Matter. An audit also includes assessing the evaluation criteria used and significant estimates made by management, as well as evaluating the overall presentation of the Subject Matter. The main elements of our work were:

- confirming the existence of collection facilities and their understanding of the program by reviewing contracts, performing site visits, telephone contact with the facilities and internet research;
- comparing the number of collection facilities to the prior year and investigating the reasons for any changes;
- checking the units of product sold during the year and agreeing to the audit work performed in relation to the Association's audited financial statements;
- checking the units of product collected during the year by agreeing to supporting shipping documentation on a test basis;
- assessing the appropriateness of the conversion factors used to translate units sold and units collected into litres;
- re-performing conversion calculations on a test basis;
- recalculating recovery rates; and
- ensuring wording of the Annual Report is reflective of audit findings.

### Opinion

In our opinion, the Subject Matter within Product Care Association's Annual Report for the BC Paint and Household Hazardous Waste Program for the year ended 31 December 2013 presents fairly in accordance with the evaluation criteria, in all material respects:

- the location of collection facilities, and any changes in the number and location of collection facilities from the previous report in accordance with Section 8(2)(b) of the Recycling Regulation;
- the description of how total amounts of the producer's product sold and collected and, if applicable, the producer's recovery rate has been calculated in accordance with Section 8(2)(e) of the Recycling Regulation; and
- the description of performance for the year in relation to targets in the approved stewardship plan under Section 8(2)(b) and (e) of the Recycling Regulation.

Our report has been prepared solely for the purposes of management's stewardship under the Recycling Regulation and is not intended to be and should not be used for any other purpose. Our duties in relation to this report are owed solely to the Association, and accordingly, we do not accept any responsibility for loss occasioned to any other party acting or refraining from acting based on this report.

*Rolfe, Benson LLP*  
CHARTERED ACCOUNTANTS

Vancouver, Canada  
30 June 2014



## Attachment 1

### Evaluation Criteria

The following evaluation criteria were applied to the assessment of the location of collection facilities, and any changes in the number and location of collection facilities from the previous report in accordance with Section 8(2)(b) of the Recycling Regulation:

- The Association maintains a listing of all collection facilities for the program, including the location of the collection facility, the total of which agrees to the number of collection facilities as disclosed in the Annual Report.
- Collection facilities have a signed contract with the Association, a physical location that is available to collect program materials, and the staff of the facility has an adequate understanding of the program.
- Reasons for any changes in the number of collection facilities from the previous annual report are supported by valid business purposes and adequately disclosed in the Annual Report.
- The definition of a collection facility as disclosed in the Annual Report is accurate.

The following evaluation criteria were applied to the assessment of the description of how total amounts of the producer's product sold and collected and, if applicable, the producer's recovery rate has been calculated in accordance with Section 8(2)(e) of the Recycling Regulation:

- The Association maintains a listing of product sold by product category for the fiscal year which agrees to the amounts disclosed in the Annual Report.
- The units of product sold per program category have been recalculated using the data included in the Association's audited financial statements.
- The calculation of total litres of program material sold is based on total units sold converted to litres based on the average volume of the most popular container sizes sold as provided by the Association's members.
- The Association maintains a listing of product collected by product category for the fiscal year which agrees to the amounts disclosed in the Annual Report.
- Each shipment of product collected is supported by documentation indicating the total units collected and the type of program materials collected which has been agreed upon by the shipper, receiver and carrier.
- The calculation of total litres of program materials collected is based on total units collected and converted to litres using the standard volume of containers used to collect the materials and the average litres of program materials collected from each container.
- The calculation of the recovery rate has been performed accurately using the appropriate sources of information for product collected and product sold.

The following evaluation criteria were applied to the assessment of the description of performance for the year in relation to targets in the approved stewardship plan under Section 8(2)(b) and (e) of the Recycling Regulation:

- All stewardship plan targets relating to Section 8(2)(b) and (e) of the Recycling Regulation have been identified and disclosed in the Annual Report.
- The expected outcomes and target dates as included in the Annual Report are consistent with the targets in the approved stewardship plan.
- The facts disclosed in the annual update on progress are supportable by evidence, neutral and understandable.