



**Product Care Association
Annual Report
2012**

Submitted to: Ministry of Environment

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Executive Summary

From July 1, 2010 to July 1, 2012, Product Care Association’s British Columbia LightRecycle program included residential-use fluorescent lamps only. On July 1, 2012, the program expanded to include “all electronic or electrical lighting equipment, parts and bulbs, including lamps, fixtures and flashlights...” used in residential and non-residential applications, pursuant to the requirements of Recycling Regulation B.C. Reg. 449/2004 (the “Regulation”). This report covers the period of January – December 2012.

Products within plan	<p>Lamps, lighting fixtures and ballasts used in residential and non-residential applications are covered under the program plan.</p> <p>These products are broken down into thirteen categories:</p> <ol style="list-style-type: none">1. Fluorescent/Induction/UV Tubes measuring ≤ 2 feet2. Fluorescent/Induction/UV Tubes measuring > 2 feet and ≤ 4 feet3. Fluorescent/Induction/UV Tubes measuring > 4 feet4. Compact Fluorescent Lights (CFL)/ Screw-In Induction Lamps5. Light Emitting Diodes (LED)6. High Intensity Discharge (HID) and Other7. Incandescent / Halogen8. Miniature Bulb Package9. Designated Small Fixtures / Decorative Light Strings10. Fixture Category A11. Fixture Category B12. Large Outdoor Fixtures13. Ballasts/Transformers (not integrated into lamps or fixtures) <p>See list of products covered under the program at www.lightrecycle.ca/consumers/accepted-products</p>
Program website	The BC LightRecycle website is www.lightrecycle.ca

Recycling Regulation Reference	Topic	Summary
Part 2, section 8(2)(a)	Public Education Materials and Strategies	<ul style="list-style-type: none"> • Program Website • Point of Sale and Point of Return Materials • Print and Online Advertising • Notification Letters to targeted stakeholder groups • Partnerships with Key Industry Stakeholders • RCBC Hotline & Recyclepedia
Part 2, section 8(2)(b)	Collection System and Facilities	<p>Contracted with:</p> <ul style="list-style-type: none"> • Residential Lamps collection sites • Residential Fixtures collection sites • Commercial Lamps collection sites • Commercial Fixtures / Non-PCB Ballasts collection sites <p>Additional collection services included:</p> <ul style="list-style-type: none"> • Direct pickup service for PCB ballast • Direct pick-up service for Large Volume Generators of lamps and pre-crushed lamps • Unadvertised collection sites and limited number of collection events
Part 2, section 8(2)(c)	Product Environmental Impact Reduction, Reusability and Recyclability	Producers are working to reduce the environmental impact of lighting products through innovative product design and technology. Life-cycle management is also playing an important role in reducing the environmental impact of lighting products.
Part 2, section 8(2)(d)	Pollution Prevention Hierarchy and Product / Component Management	<ul style="list-style-type: none"> • Lamps broken down into component parts (glass, metal, mercury, phosphor powder) and recovered/recycled: mercury recovered, recycled and reused in manufacturing processes; metal and glass is recycled and the phosphor powder is reused in manufacturing processes • Residential fixtures broken down into component parts for recycling • Commercial fixtures and non-PCB ballasts are processed and recycled through scrap metal waste streams • PBC ballasts managed as hazardous waste
Part 2, section 8(2)(e)	Product Sold and Collected and Recovery Rate	<ul style="list-style-type: none"> • Program members reported selling 11,403,081 units of program products • In 2012, the program collected an estimated: <ul style="list-style-type: none"> - 1,164,966 units of lamps - 67 tonnes of residential volume residential fixtures - 1,969 kilograms of PCB ballasts
Part 2, section 8(2)(e.1)		See Appendix B for estimated collection volumes by Regional Districts
Part 2, section 8(2)(f)	Summary of Revenues and Expenses	<ul style="list-style-type: none"> • The program is managed and funded by members based on fees applied to the sale of new program products in British Columbia • An independent financial audit for the reporting period is appended to the report (Appendix C)

Comparison of Key Performance Targets		
Part 2 section 8(2)(g); See Plan Performance for details (Section 9)		
Priority Stewardship Plan Targets	Performance	Strategies for Improvement
150 Residential Volume lamps Collection Sites	201	N/A
60 Residential Volume Fixtures Collection Sites	112	N/A
Capture Rate Targets – Fluorescent Tubes (10-12%)	41%	N/A
Capture Rate Targets – CFLs (19-24%)	48%	N/A

2. Program Outline

Product Care Association (PCA) 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.

In 2012, the LightRecycle program operated in accordance with Product Care Association’s *BC Lamps and Lighting Equipment Stewardship Plan* dated March 9, 2012, approved by the BC Ministry of Environment on April 23, 2012, pursuant to the requirements of the Recycling Regulation B.C. Reg. 449/2004 (the “Regulation”).

Between January 1, 2010, and June 30, 2012, the LightRecycle program captured residential-use fluorescent lamps only. In response to the Regulation, on July 1, 2012, PCA launched the expanded BC LightRecycle program – a program designed to collect and manage end-of-life lamps and lighting equipment products for all sectors (residential, institutional, commercial and industrial sectors).

The program implemented a phased-in approach, expanding on July 1 to capture residential-use lamps (all technologies) and residential-use fixtures only. On October 1, 2012, the program expanded further to capture residential, institutional, commercial and industrial end-of-life lamps, ballasts and fixtures (Table 1).

Table 1 – BC LightRecycle Program 2012 Timeline

January 1 – June 30	Residential-use fluorescent lamps (CFLs and fluorescent tubes)
July 1 – September 30	Residential-use lamps (all technologies) and residential-use fixtures
October 1 – December 31	Residential, institutional, commercial and industrial end-of-life lamps, ballasts and fixtures

3. Public Education Materials and Strategies

The following is a summary of public education materials and strategies used during 2012 to raise end-user awareness of the BC LightRecycle program.

- **Program Website** – The LightRecycle website, www.lightrecycle.ca, provides detailed information on the program including depot locations, accepted products, promotional materials and eco-fees. The LightRecycle website received approximately 83,733 “page views” between January 1 and December 31, 2012.
- **Point of Sale Materials** – Over 129,400 point of sale “brochures” (see Appendix A) were distributed to retailers, regional districts, municipalities, RCBC and other stakeholders during the year 2012, for the program expansion. These materials are available for reorder by web-form or can be downloaded and printed directly from the program website.
- **Website Linkages** – PCA coordinated with other parties, including regional districts, BC Hydro and Fortis BC to provide links to the LightRecycle website. The LightRecycle website is part of Product Care’s main website
- **RCBC Recycling Hotline** – The program participated in the Recycling Council of BC’s (RCBC) hotline service by which consumers can contact RCBC operators and obtain information on how to recycle various products. From January 1 to December 31, 2012, RCBC received 3,711 calls regarding recycling lighting products.
- **RCBC Recyclepedia** – The program is featured on RCBC’s Recyclepedia, an online recycling encyclopedia for British Columbians. From January 1 to December 31, there were 4,744 web searches for recycling lighting products on RCBC’s website. (*Note: only the residential lighting products were listed on the Recyclepedia in 2012*) The program’s collection sites are also included in the search engine <http://rcbc.bc.ca/recyclepedia.ca>.
- **Print Advertising** – An ad published in municipal calendars reaching several communities in BC, including: Mission, Chilliwack, Invermere, Kootenay Boundary Penticton, and more. A print ad announcing the expansion of the LightRecycle program appeared in *BCBusiness* magazine, *The Vancouver Sun* and several local newspapers in the Lower Mainland and on Vancouver Island
- **Web Advertising (Social Media)** – The program was also promoted online in the fall of 2012 through *Vancouver Sun* banner ads. Facebook advertising (see Appendix A) ran from November, 2011 to February, 2012, receiving 3,527,994 impressions and 264 “click-throughs” to www.lightrecycle.ca
- **Targeted Mailout** – On April 13, 2012, PCA ran a targeted mailout to potential large volume generators of program products, providing them with program information such as details on the upcoming launch of BC LightRecycle program and collection systems and services that would be available throughout the province. Notice that the program would be funded by recycling fees was also provided.
- **Local Government Partnerships** – The program continued collaborating with local governments by advertising in municipal garbage/recycling calendars, adding website links and distributing point of sale materials.
- **Public Utilities** – LightRecycle program information is featured on [BC Hydro’s website](#). Program information is also available on [Fortis BC’s website](#), along with a link to LightRecycle depot finder.

4. Collection System and Facilities

The BC LightRecycle program provides a free and convenient collection system for all consumers of program products. PCA does not directly own or manage collection sites, but rather has contracts in place with facilities to operate as collection sites for the program. Contracted facilities include retailers, recycling organizations (both non-profit and for profit), local government recycling centres or transfer stations and other associations or businesses interested in participating in the program. PCA's BC residential-use fluorescent lamps program began in 2010. On July 1, 2012, with the expansion of the program, the collection system expanded to collect end-of-life residential-use lamps of all technologies, as well as residential-use fixtures. Full implementation of the program's collection system for institutional, commercial and industrial sources of end-of-life lamps, ballasts and fixtures began on October 1, 2012 (Table 2).

Table 2 –BC LightRecycle Program 2012 Accepted Products

January 1 – June 30	
Residential Sector Only	1. Fluorescent/Induction/UV Tubes measuring ≤ 2 feet
	2. Fluorescent/Induction/UV Tubes measuring > 2 feet and ≤ 4 feet
	3. Fluorescent/Induction/UV Tubes measuring > 4 feet
	4. Compact Fluorescent Lights (CFL)/ Screw-In Induction Lamps
July 1 – September 30	
Residential Sector Only	1. Fluorescent/Induction/UV Tubes measuring ≤ 2 feet
	2. Fluorescent/Induction/UV Tubes measuring > 2 feet and ≤ 4 feet
	3. Fluorescent/Induction/UV Tubes measuring > 4 feet
	4. Compact Fluorescent Lights (CFL)/ Screw-In Induction Lamps
	5. Light Emitting Diodes (LED)
	6. High Intensity Discharge (HID) and Other
	7. Incandescent / Halogen
	8. Miniature Bulb Package
	9. Designated Small Fixtures / Decorative Light Strings
	10. Fixture Category A
October 1 – December 31	
Residential, Institutional, Commercial and Industrial Sectors	1. Fluorescent/Induction/UV Tubes measuring ≤ 2 feet
	2. Fluorescent/Induction/UV Tubes measuring > 2 feet and ≤ 4 feet
	3. Fluorescent/Induction/UV Tubes measuring > 4 feet
	4. Compact Fluorescent Lights (CFL)/ Screw-In Induction Lamps
	5. Light Emitting Diodes (LED)
	6. High Intensity Discharge (HID) and Other
	7. Incandescent / Halogen
	8. Miniature Bulb Package
	9. Designated Small Fixtures / Decorative Light Strings
	10. Fixture Category A
	11. Fixture Category B
	12. Large Outdoor Fixtures
	13. Ballasts/Transformers (not integrated into lamps or fixtures)

Recognizing that different collection systems are needed depending on the type of use (residential or commercial), the type of product (lamps and fixtures) and the quantity involved, the program has established four different types of collection sites (Table 4).

In addition to collection sites, subject to the end-user meeting certain criteria such as minimum volumes, the program also offers free direct pick-up services to generators with:

- Large volumes of whole lamps
- Drums of pre-crushed lamps
- PCB ballasts

These pick-up services are generally targeted to commercial generators with large volumes of program products for recycling and are designed to ensure they can conveniently recycle their volume of products without charge. The program also participated in a limited number of collection events that were organized and operated by local governments (Table 3).

Table 3 – BC LightRecycle Program 2012 Collection Events

Location	Date
Sicamous	Apr 28, 2012
Pritchard	Apr 29, 2012
Ashcroft	May 5, 2012
Merritt	May 5, 2012
Golden	May 12, 2012
Mission	May 12, 2012
Langley	Oct 27, 2012
Chilliwack	Oct 13, 2012

In 2012, the BC LightRecycle program contracted with a net 380 different collection facilities across the province. BC LightRecycle collection site locations are advertised by type (Table 4). With many locations accepting multiple program product types (both residential lamps and residential fixtures, for example), the program advertised a total of 426 collection site locations in 2012 (Table 4). In addition to these collection site locations, the BC LightRecycle program had 23 unadvertised collection sites: 9 unadvertised commercial lamps collection sites and 14 unadvertised commercial lamps consolidator sites (see Table 5 for a list by regional district). For a full list of advertised and unadvertised collection site locations, please see Appendix B.

Table 4 – BC LightRecycle Product 2012 Collection Sites Breakdown

Advertised Collection Sites by Type	2012 Locations	2011 Locations
Advertised Residential Lamps Collection sites accepting residential volumes of lamps (up to 16 units)	201	197
Advertised Residential Fixtures Collection sites accepting residential volumes of fixtures	112	n/a
Advertised All Sector Lamps (Commercial) Collection sites accepting commercial volumes of lamps (more than 16 units)	66	n/a
Advertised Commercial Fixtures & Non-PCB Ballasts Collection sites accepting commercial volumes of fixtures & Non-PCB Ballasts	47	n/a
Subtotal Total	426	197
Unadvertised Commercial Lamps An unadvertised contracted collection site, typically collecting lamps as an unadvertised service for customers	9	n/a
Unadvertised Commercial Lamps Consolidators Unadvertised contracted collection site consolidating smaller volumes of commercial lamps into larger quantities, not qualified for Large Volume Generator pickup services.	14	n/a
Total	449	197

Note:

1. All advertised and unadvertised collection sites are contracted by the program
2. Some collection sites may provide more than one type of collection service and are reported separately as a collection site in each type of collection facility in the above table
3. In 2012, the BC LightRecycle program ended contracts with 27 locations.

Table 5 – BC LightRecycle Program 2012 Net Collection Site Breakdown by Regional District

Regional District	# of Collection Site Locations (Advertised and Unadvertised)
Alberni Clayoquot	5
Bulkley Nechako	6
Capital Regional District	40
Cariboo	9
Central Coast	1
Central Kootenay	9
Central Okanagan	12
Columbia Shuswap	8
Comox Strathcona	11
Cowichan Valley	11
East Kootenay	8
Fraser Fort George	4
Fraser Valley	25
Metro Vancouver (GVRD)	126
Kitimat Stikine	4
Kootenay Boundary	5
Mt. Waddington	5
Nanaimo Regional District	17
North Okanagan	9
Northern Rockies	4
Okanagan Similkameen	14
Peace River	7
Powell River Regional District	4
Skeena-Queen Charlotte	3
Squamish Lillooet	10
Sunshine Coast	7
Thompson Nicola	16
Total	380

Note: For those collection sites that provide collection services for more than one type in Table 4, for the purposes of Table 5, these sites are only counted as one collection site

5. Product Environmental Impact Reduction, Reusability and Recyclability

Producers are working to reduce the environmental impact of lighting products through innovative product design and technology. Life-cycle management is also playing an important role in reducing the environmental impact of lighting products.

Innovative product design, for example, has resulted in the development of smaller diameter fluorescent tubes now available on the marketplace. These products can provide the same or more light with about 50% less material resources by weight¹. The amount of mercury contained within fluorescent lights has also been decreasing. Through innovative technology, manufacturers have decreased the amount of mercury in fluorescent lamps by over 80% since 1990².

With respect to product life-cycle management, producers are focusing their attention on increasing product energy efficiency. This has resulted in a substantial increase in the lifespan of fluorescent lights in the last decade, reducing the environmental impact associated with these products.

6. Pollution Prevention Hierarchy and Product / Component Management

The BC LightRecycle program strives to manage collected materials as high on the pollution prevention hierarchy as possible. The program is designed to collect lamps, fixtures and ballasts from all sectors that are no longer working and/or cannot be reused.

Collected lamps are shipped to three separate processors where they are broken down into component parts (glass, metal, mercury, phosphor powder) and recovered/recycled. The mercury is recovered, recycled and reused in manufacturing processes. The metal and glass is recycled and the phosphor powder is reused in manufacturing processes.

Residential-use fixtures were collected and shipped to two independent processors to be broken down into their component parts for recovery/recycling. Commercial fixtures and non-PCB ballasts were collected and processed through the scrap metal recycling system. PCB ballasts are collected and managed as hazardous waste.

7. Product Sold and Collected and Recovery Rate

7.1 Products Sold

Program fee rates for expanded program products began on October 1, 2012. Members of Product Care's BC residential-use fluorescent lamps program reported on sales from January 1 to September 30,

¹ European Lamp Companies Federation. *Climate, Environment and Health*. Please refer to <http://www.elcfd.org>

² Personal Communication with Wayne Edwards, Electrical Equipment Manufacturers Association of Canada.

2012. The new fee rates and additional fee categories for all program members began on October 1, 2012 (Table 6).

Table 6 – Member Product Sales Reporting Timeline

January 1 – June 30	
Residential Sector Only	1. Fluorescent/Induction/UV Tubes measuring ≤ 2 feet
	2. Fluorescent/Induction/UV Tubes measuring > 2 feet and ≤ 4 feet
	3. Fluorescent/Induction/UV Tubes measuring > 4 feet
	4. Compact Fluorescent Lights (CFL)/ Screw-In Induction Lamps
October 1 – December 31	
Residential, Institutional, Commercial and Industrial Sectors	1. Fluorescent/Induction/UV Tubes measuring ≤ 2 feet
	2. Fluorescent/Induction/UV Tubes measuring > 2 feet and ≤ 4 feet
	3. Fluorescent/Induction/UV Tubes measuring > 4 feet
	4. Compact Fluorescent Lights (CFL)/ Screw-In Induction Lamps
	5. Light Emitting Diodes (LED)
	6. High Intensity Discharge (HID) and Other
	7. Incandescent / Halogen
	8. Miniature Bulb Package
	9. Designated Small Fixtures / Decorative Light Strings
	10. Fixture Category A
	11. Fixture Category B
	12. Large Outdoor Fixtures
	13. Ballasts/Transformers (not integrated into lamps or fixtures)

Table 7 shows the approximate the number of units sold into BC as reported to PCA by its members during 2012, based on the reporting timeline noted above.

Table 7 –Member Reports of units sold during 2012

Category	Units Sold
1. Fluorescent/Induction/UV Tubes measuring ≤ 2 feet	163,480
2. Fluorescent/Induction/UV Tubes measuring > 2 feet and ≤ 4 feet	1,163,200
3. Fluorescent/Induction/UV Tubes measuring > 4 feet	210,676
4. Compact Fluorescent Lights (CFL)/ Screw-In Induction Lamps	3,741,583
5. Light Emitting Diodes (LED)	438,769
6. High Intensity Discharge (HID) and Other	100,867
7. Incandescent / Halogen	3,599,319
8. Miniature Bulb Package	193,469
9. Designated Small Fixtures / Decorative Light Strings	1,018,018
10. Fixture Category A	595,672
11. Fixture Category B	84,525
12. Large Outdoor Fixtures	4,988
13. Ballasts/Transformers (not integrated into lamps or fixtures)	88,515
Total	11,403,081

7.2 Absolute Collection Data

From January 1 – June 30, 2012, BC LightRecycle collection sites accepted residential-use fluorescent lamps only. After July 1, 2012 all lamp technologies were included as program materials, with expansion to ICI generators beginning October 1, 2012 (Table 9).

Table 8– BC LightRecycle Program Product Collection Timeline

January 1 – June 30	Residential-use fluorescent lamps (CFLs and fluorescent tubes)
July 1 – September 30	Residential-use lamps (all technologies) and residential-use fixtures
October 1 – December 31	Residential, institutional, commercial and industrial end-of-life lamps, ballasts and fixtures

In 2012, the BC LightRecycle program collected an estimated 1,164,966 units of lamps, 67 tonnes of residential volume residential fixtures and 1,969 kilograms of PCB ballasts across the province (Table 9). While the estimated number of lamps collected was derived from information provided by the programs three lamps processors, the estimated tonnage of residential fixtures was derived based on sampling reports from the processors. The estimated weight of PCB Ballasts collected is based on information provided by the program’s processor of PCB Ballasts.

Table 9 – Estimated Quantity of Products Collected in 2012

Product	Estimated Quantity Collected
Lamps	1,164,966 units
Residential Fixtures	67 tonnes
PCB Ballasts	1,969 kilograms

Note: The program did not process any crushed lamps in 2012

Commercial fixtures and non-PCB ballasts were collected and processed through the scrap metal recycling system (market driven system). As outlined in the program plan, sampling studies will be completed in 2013 to estimate the quantities of these products managed through the scrap metal system.

Table 10 presents a breakdown of the estimated number of units of each type of lamp collected by the program in 2012.

As outlined in the program plan, absolute collection rate targets for fixtures and ballasts will be developed after a baseline of 18 months of program operation have occurred (July 2012-December 2013). The program will file an amended program plan with the BC Ministry of Environment containing updated collection rate targets by April 1, 2014. The program will conduct public consultation events on these targets through the use of webinars.

The absolute collection quantity for the different lamp technologies noted below is estimated based on the three processors/recyclers reported quantities processed between January 1 and December 31, 2012. The quantities of units presented may include units collected by the program in the 2011 fiscal year but processed in the 2012 fiscal year by the processor as well as exclude units collected in the 2012 fiscal year that have not been processed as of 31 December 2012.

Between January 1 and June 30, 2012 only residential quantities of fluorescent tubes and CFLs processed were considered program materials, and quantities of incandescent lamps for example, were not included as these were considered non-program materials.

Table 10 – BC LightRecycle Program 2012 Absolute Collection Data: Lamps

Lamp Technology	Units Collected
0 to 2 foot fluorescent tubes including U and O shaped tubes	10,963
>2 to 4 foot fluorescent tubes including polycoated tubes	637,198
>4 to 8 foot fluorescent tubes	58,263
CFL Lamps	257,845
Incandescent Lamps	91,684
Halogen Lamps	22,056
LED, HID, Neon and UV Lamps	86,957
Total Units Collected	1,164,966

Note: Miniature Bulbs are categorized according to lamp technology

As the processors do not report based on Regional District, and the volume of pickups generated through the residential collection sites is prohibitive to manually sort the data, we estimated the number of units collected through the residential program by determining the number of boxes that were requested for pick up by the depots and multiplied by an average number of program units and then added to the commercial volumes. For the 4' and 8' long boxes, the average number of units per box were calculated for boxes processed by one of the programs recycler in 2012, and were found to be the same as 2011 values at 28 and 15 units/box respectively. Due to the increase in the number of program lamp technologies collected within the Bulb Boxes after July 1, the average program units in a bulb box increased from 85 to 105, from 2011 to 2012.

Table 11 – Estimated Units Collected by Regional Districts

Regional District	Estimate of Lamp Units by RD
Alberni Clayoquot	6,390
Bulkley Nechako	757
Capital Regional District	85,650
Cariboo	7,109
Central Coast	-
Central Kootenay	5,755
Central Okanagan	70,000
Columbia Shuswap	4,871
Comox Strathcona	15,459
Cowichan Valley	25,672
East Kootenay	9,180
Fraser Fort George	28,488
Fraser Valley	59,031
Metro Vancouver (GVRD)	789,886
Kitimat Stikine	4,103
Kootenay Boundary	5,081
Mt. Waddington	3,054
Nanaimo Regional District	64,763
North Okanagan	24,717
Northern Rockies	58
Okanagan Similkameen	11,702
Peace River	5,445
Powell River Regional District	3,345
Skeena-Queen Charlotte	1,876
Squamish Lillooet	4,538
Sunshine Coast	8,731
Thompson Nicola	20,788

Note: Estimated average number of units per box:
 Bulb box - 105, 4' box - 28, 8' box - 15

Units in Table 11 are estimated by applying the overall average volume per collection box in the residential system, to the number of boxes collected in each Regional District and adding the actual units as reported by the processor for volumes collected through the commercial collection system per Regional District. Due to the variability in the number of program units actually collected within a box, the total number of units by Regional District in Table 11 does not equate to the total number of units processed, and reported as collected. Table 11 was only intended to provide an indication of estimated volumes collected by Regional Districts.

7.3 Recovery Rates

A capture rate compares the quantity of products collected in a year to the quantity of products believed to be “available for collection” in that year. A capture rate model is considered more

appropriate than a recovery rate model (units collected/units sold in that year) for lamps given the long and increasing lifespans of these products and changing sales patterns of various lamps categories. Because of the durable nature of these products, each product unit sold should eventually be available for collection. 2012 capture rates and targets for two lamp types, fluorescent tubes and CFLs, are shown in Table 14 below.

The original program plan (Table 12) available to collect value was used for the first 9 months of 2012, until the collection of both residential and ICI volumes were accepted. For the last 3 months of 2012 the new program plan (Table 13) available to collect volumes were used, but divided by half as the program was fully operational for the ICI sector on October 1, not July 1 as originally anticipated.

Table 12 – Residential CFLs and Fluorescent Tubes Available to Collect and Targeted for Collection in 2012

2010 Program Plan	CFLs	Fluorescent Tubes
Available to Collect	487,800	364,200
Capture Rate	22 - 37%	22 - 37%

To calculate the available to collect rate for residential CFLs and fluorescent tubes between Jan – Sep, 2012 the total units available to collect for 2012, as listed in the 2010 program plan, were divided by 12 and multiplied by 9 for a total of 365,850 units of CFLs and 273,150 units of tubes available for collection.

Table 13 – Available to Collect and Targeted for Collection for All-Sector CFLs and Fluorescent Tubes in 2012

2012 Program Plan	CFLs	Fluorescent Tubes
Available to Collect – TOTAL	344,249	2,925,358
Capture Rate - Low Target	20%	10%
Targeted For Collection (Low)	68,850	292,536
Capture Rate - High Target	24%	12%
Targeted for Collection (High)	82,620	351,043

To calculate the available to collect rate for all-sector CFLs and fluorescent tubes between Oct – Dec, 2012, the total units available to collect for 2012, based on program operation for 6 months, as listed in the 2012 program plan, were divided by 2 for a total of 172,125 units of CFLs and 1,462,679 units of tubes available for collection.

The methodology used to determine the quantity of these lamp categories “available for collection” in 2012 is considered an estimate based on the best available data. This methodology is subject to change. If more accurate methodology or related data is developed that alters the estimated number of units available for collection in a given year, this information will be included in the program’s annual reports.

Table 14 – Capture Rates: Fluorescent Tubes and CFLs

	Units Available to Collect	Units Collected	Capture Rate Target	Actual Capture Rate
CFL Units	537,975	257,845	20-24%	48%
Fluorescent Tube Units	1,735,829	706,424	10-12%	41%

Capture rate targets were not set for the other lamp technologies for 2012, given the lack of comparable data on current recycling rates and sales patterns at the time the program plan was developed.

Comparable targets for these lamp categories will be developed after a baseline of 18 months of program operation has occurred (July 2012-December 2013) and will be based either on an absolute collection or capture rate model. The program will file an amended program plan with the BC Ministry of Environment containing updated capture targets for these categories by April 1, 2014. The program will conduct public consultation events on these targets through the use of webinars.

8. Summary of Revenues and Expenditures

The program is managed and funded by members based on fees applied to the sale of new program products in British Columbia (Table 15). In 2012 fees were subject to HST and may have been passed on by the members to their customers, either as visible fees or by incorporating the cost directly into the price of the product. On Oct. 1st, 2012, the program product fee schedule was adjusted to fund the expansion of the program and the additional product types captured. At this same time, the fee/unit on Fluorescent/Induction/UV Tubes measuring greater than 4 feet was increased from \$0.55/unit to \$0.80/unit to address a program deficit within Fee Category 3. All fees were used for program purposes and directly fund the collection, transportation and recycling of collected products.

Table 15 - Schedule of fee rates charged in 2012 for all program products

Product Category	Fee Category	Fee / Unit: Effective October 1, 2012	Fee / Unit (residential-use only): Effective Until September 30, 2012
Lamps	1. Fluorescent/Induction/UV Tubes measuring ≤ 2 feet	\$0.20	\$0.20
	2. Fluorescent/Induction/UV Tubes measuring > 2 feet and ≤ 4 feet	\$0.40	\$0.40
	3. Fluorescent/Induction/UV Tubes measuring > 4 feet	\$0.80	\$0.55
	4. Compact Fluorescent Lights (CFL)/ Screw-In Induction Lamps	\$0.15	\$0.15
	5. Light Emitting Diodes (LED)	\$0.15	n/a
	6. High Intensity Discharge (HID) and Other	\$1.10	
	7. Incandescent / Halogen	\$0.05	
	8. Miniature Bulb Package	\$0.10	
Fixtures	9. Designated Small Fixtures / Decorative Light Strings	\$0.15	
	10. Fixture Category A	\$0.85	
	11. Fixture Category B	\$1.40	
	12. Large Outdoor Fixtures	\$2.50	
Ballasts	13. Ballasts/Transformers (not integrated into lamps or fixtures)	\$1.00	

9. Plan Performance

Plan Target	2012 Results	Strategies for Improvement
For 2012, the program had a target to reach a minimum of 150 collection sites for residential volumes of lamps. The program exceeded this target.	201	N/A
For 2012, the program had a target to reach a minimum of 60 residential volume fixtures collection sites. The program exceeded this target.	112	N/A
For 2012, the program had a capture rate target of between 10-12% for fluorescent tubes. The program exceeded this target.	41%	N/A
For 2012, the program had a capture rate target of between 19-24% for CFLs. The program exceeded this target.	48%	N/A

Appendix A – BC LightRecycle Brochure

Trifold brochure – Outside:

The Life Cycle of a Residential-Use Light Bulb

Components are sold or used to make new products

Drop off your used bulbs at the nearest LightRecycle collection site

Bulbs are processed and sorted into recyclable components

Bulbs are collected and transported to recycling facilities

Benefits of Recycling Lighting Products

British Columbians are leaders in recycling, and can now participate in Canada's first comprehensive lighting products recycling program.

The LightRecycle program ensures that recyclable materials from lighting products, such as metal, plastic and glass, are recycled into new products and do not end up in landfills.

Some lighting products contain hazardous materials like mercury. LightRecycle helps keep these harmful materials out of the environment by safely recycling them at approved facilities.

About LightRecycle

LightRecycle is a non-profit program to recycle lighting products in British Columbia. Since 2010, LightRecycle has accepted residential-use fluorescent lights at collection sites across the province. The expanded LightRecycle program now accepts all lighting products for recycling without charge, including all types of lights (bulbs and tubes), ballasts and lighting fixtures used in residential, institutional, commercial and industrial applications.

LightRecycle was developed in response to the requirements of the BC Recycling Regulation. The LightRecycle program is managed by Product Care Association, a non-profit industry association.

Phone:
1 800 667 4321
604 732 9253 in the Lower Mainland

Email:
info@lightrecycle.ca

Website:
www.lightrecycle.ca

BC's recycling program for lights, lamps, ballasts and fixtures

Residential | Commercial | Industrial | Institutional

For more information, please visit www.lightrecycle.ca, or call 1 800 667 4321 (604 732 9253 in the Lower Mainland).

Your Guide to Recycling...

For Consumers

There are more than 200 LightRecycle collection sites for consumers to drop off their burnt-out lights (bulbs and tubes) and over 80 collection sites for lighting fixtures across the province. Check before you go to find out which products the collection site accepts. There is no charge to drop off lighting products for recycling.

To find the collection site closest to you, please visit www.lightrecycle.ca

Accepted Lights

All types of residential-use lights and bulbs can be recycled, including:



- CFLs (compact fluorescent lights)
- Fluorescent tubes (up to eight feet in length)
- Halogen and Incandescent bulbs
- LEDs (light emitting diodes)

The maximum limit for returns in a single visit is a total of 16 fluorescent tubes and a total of 16 other bulb types.

Accepted Fixtures

Common examples of accepted lighting fixtures and products include:

- Floor and table lamps
- Ceiling and wall fixtures
- Outdoor fixtures
- Light strings (e.g. Christmas lights)
- Chandeliers
- Bicycle lights
- Flashlights



For a complete list of accepted fixtures, please visit www.lightrecycle.ca

For Large Volume Generators

Any large volume generator, including contractors, businesses, relampers, schools, hospitals and building managers, can now recycle lighting products used in institutional, commercial and industrial applications through LightRecycle without charge.

Light/Lamp Recycling

All types and quantities of lights/lamps can be recycled, ranging from fluorescent tubes to high intensity discharge (HID) lamps, without charge. Large volume generators are encouraged to consolidate a pallet or more of whole lights or a drum of crushed lights, in accordance with the program's



packaging requirements, to qualify for a free pick-up service. The LightRecycle program also includes a growing network of over 40 collection sites that will accept less than a pallet of whole lights from large volume generators.

PCB-Containing Ballasts

Some lighting ballasts manufactured prior to July 1, 1980 contain polychlorinated biphenyls (PCBs) and require special handling. LightRecycle will pick-up PCB-containing lighting ballasts directly from large volume generators without charge. These products must be identified separately from ballasts that do not contain PCBs and should NOT be taken to LightRecycle collection sites.

Lighting Fixtures and Non-PCB Ballasts

Large volume generators can recycle their lighting fixtures and ballasts that do not contain PCBs through the existing scrap metal recycling system. A list of collection sites that accept these products is available for those requiring additional assistance.

For a complete list of collection sites, information on pick-up services and how to identify PCB-containing ballasts, please visit www.lightrecycle.ca

Program Funding

The LightRecycle program is funded by recycling fees applied to the sale of new lighting products in BC. As of October 1, 2012, fees apply to the sale or supply of all lights/lamps, ballasts and fixtures including retail, industrial, commercial and institutional sales. The fee rates vary by product type. The recycling fees are used to cover program costs, including managing the collection, transportation and recycling system for returned products. Manufacturers, retailers and wholesalers may include the recycling fee in the product price or display it as a separate charge to purchasers.

Product	Recycling Fee / Unit
Lights/Lamps	
Flourescent Tubes	
Measuring ≤ 2 feet	\$0.20
Measuring > 2 feet and ≤ 4 feet	\$0.40
Measuring > 4 feet	\$0.80
Compact Fluorescent Lights (CFL)	\$0.15
Light Emitting Diodes (LED)	\$0.15
High Intensity Discharge (HID) and Other	\$1.10
Incandescent / Halogen	\$0.05
Miniature Bulb Package	\$0.10
Fixtures	
Designated Small Fixtures / Decorative Light Strings (e.g., flashlights, holiday lights)	\$0.15
Category A (e.g. table lamps, chandeliers)	\$0.85
Category B (e.g. high bay)	\$1.40
Large Outdoor Fixtures (e.g. flood lights, street lights)	\$2.50
Ballasts	
Ballasts/Transformers (not integrated into lamps or fixtures)	\$1.00

Appendix B – Collection Sites – Broken-down by Regional District

In 2012, the BC LightRecycle program held operating contracts with 380 collection facilities across the province.

All unadvertised collection sites are listed as “Unadvertised” under the Collection Site Name column. Please note that one location is both an *Advertised Residential Fixtures* collection site as well as an *Unadvertised Commercial Lamps Consolidator*. To maintain confidentiality, the location has been listed here as an Advertised Residential Fixtures collection site only.

1. A list of BC LightRecycle collection sites at 2012 year end

	Collection Site Name	City	Regional District	Collection Site Type
1	Canadian Tire #488 Port Alberni	Port Alberni	Alberni-Clayquot	Advertised Residential Lamps
2	Westcoast Hardware	Port Alberni	Alberni-Clayquot	Advertised Residential Lamps
3	Tofino Co-op Hardware	Tofino	Alberni-Clayquot	Advertised Residential Lamps
4	Sun Coast Waste Services	Port Alberni	Alberni-Clayquot	Advertised All Sector Lamp Site, Commercial Fixtures & Non-PCB Ballast Site
5	Ucluelet Bottle Depot	Ucluelet	Alberni-Clayquot	Advertised Residential Fixtures
6	Burns Lake Home Hardware	Burns Lake	Bulkley-Nechako	Advertised Residential Lamps
7	Houston Recycling	Houston	Bulkley-Nechako	Advertised All Sector Lamp Site & Advertised Residential Fixtures
8	Fraser Lake Bottle Depot	Fraser Lake	Bulkley-Nechako	Advertised Residential Fixtures
9	Bulkley Valley Bottle Depot	Smithers	Bulkley-Nechako	Advertised Residential Fixtures
10	MacLeods True Value Hardware	Fort St. James	Bulkley-Nechako	Advertised Residential Lamps
11	Smithers Lumber Yard	Smithers	Bulkley-Nechako	Advertised Residential Lamps
12	Canadian Tire #368 View Royal	Victoria	Capital Regional District	Advertised Residential Lamps
13	Hartland Landfill Recycling Depot	Victoria	Capital Regional District	Advertised Residential Lamps & Advertised Residential Fixtures
14	London Drugs #14	Victoria	Capital Regional District	Advertised Residential Lamps
15	London Drugs #29	Victoria	Capital Regional District	Advertised Residential Lamps
16	London Drugs #46	Victoria	Capital Regional District	Advertised Residential Lamps
17	London Drugs #54	Victoria	Capital Regional District	Advertised Residential Lamps
18	Mouatt's Home Hardware	Salt Spring Island	Capital Regional District	Advertised Residential Lamps
19	Oak Bay Home Hardware	Victoria	Capital Regional District	Advertised Residential Lamps

20	Pender Island Home Building Centre	Pender Island	Capital Regional District	Advertised Residential Lamps
21	Salt Spring Island Recycling Depot	Salt Spring Island	Capital Regional District	Advertised Residential Lamps
22	Sooke Home Hardware	Sooke	Capital Regional District	Advertised Residential Lamps
23	Burnside Home Hardware	Victoria	Capital Regional District	Advertised Residential Lamps
24	Central Saanich Home Hardware	Saanichton	Capital Regional District	Advertised Residential Lamps
25	Saanich Bottle Depot	Saanich	Capital Regional District	Advertised Residential Fixtures
26	Salvation Army - Victoria Consolidation Centre	Victoria	Capital Regional District	Advertised Residential Fixtures
27	Ross Bay Home Hardware	Victoria	Capital Regional District	Advertised Residential Lamps
28	RONA Victoria #61710	Victoria	Capital Regional District	Advertised Residential Lamps
29	RONA Victoria #8030	Victoria	Capital Regional District	Advertised Residential Lamps
30	Unadvertised	Langford	Capital Regional District	Unadvertised Commercial Lamps Site
31	Unadvertised	Saanich	Capital Regional District	Unadvertised Commercial Lamps Site
32	Unadvertised	Victoria	Capital Regional District	Unadvertised Commercial Lamps Site
33	reFUSE Holdings Ltd.	Victoria	Capital Regional District	Advertised All Sector Lamp Site, Commercial Fixtures & Non-PCB Ballast Site
34	Sidney Bottle Depot	Sidney	Capital Regional District	Advertised All Sector Lamp Site & Advertised Residential Fixtures
35	Westshore Bottle Depot	Esquimalt	Capital Regional District	Advertised Residential Fixtures
36	Home Hardware Sidney	Sidney	Capital Regional District	Advertised Residential Lamps
37	Unadvertised	Victoria	Capital Regional District	Unadvertised Commercial Lamps Consolidator
38	Asset Investment Recovery - Glanford	Victoria	Capital Regional District	Advertised Residential Fixtures
39	Pender Island Recycling Society	Pender Island	Capital Regional District	Advertised All Sector Lamp Site
40	Alpine Disposal & Recycling	Victoria	Capital Regional District	Advertised All Sector Lamp Site & Advertised Residential Fixtures
41	Brentwood Thrift Store	Saanich	Capital Regional District	Advertised Residential Fixtures

42	Hillside Thrift Store	Victoria	Capital Regional District	Advertised Residential Fixtures
43	Saltspring and Southern Gulf Islands Community Services Society	Salt Spring Island	Capital Regional District	Advertised All Sector Lamp Site & Advertised Residential Fixtures
44	Schnitzer Steel Pacific Inc.	Victoria	Capital Regional District	Commercial Fixtures & Non-PCB Ballast Site
45	Schnitzer Steel Pacific Inc.	Victoria	Capital Regional District	Commercial Fixtures & Non-PCB Ballast Site
46	Schnitzer Steel Pacific Inc.	Victoria	Capital Regional District	Commercial Fixtures & Non-PCB Ballast Site
47	Schnitzer Steel Pacific Inc.	Victoria	Capital Regional District	Commercial Fixtures & Non-PCB Ballast Site
48	Sooke Thrift Store	Victoria	Capital Regional District	Advertised Residential Fixtures
49	View Royal Thrift Store	Victoria	Capital Regional District	Advertised Residential Fixtures
50	Galiano Trading Co.	Galiano	Capital Regional District	Advertised Residential Lamps
51	Mayne Island Bldg Centre	Mayne Island	Capital Regional District	Advertised Residential Lamps
52	Canadian Tire #438 Williams Lake	Williams Lake	Cariboo	Advertised Residential Lamps
53	Century Hardware Ltd.	100 Mile House	Cariboo	Advertised Residential Lamps
54	Lone Butte Supply Ltd.	100 Mile House	Cariboo	Advertised Residential Lamps
55	Central Bldg - Home Hardware Williams Lake	Williams Lake	Cariboo	Advertised Residential Lamps
56	Gold Trail Recycling	100 Mile House	Cariboo	Advertised All Sector Lamp Site
57	RONA Quesnel #61320	Quesnel	Cariboo	Advertised Residential Lamps
58	RONA Williams Lake #61340	Williams Lake	Cariboo	Advertised Residential Lamps
59	Cariboo Metal Recycling	Quesnel	Cariboo	Advertised All Sector Lamp Site
60	Canadian Tire #487 Quesnel	Quesnel	Cariboo	Advertised Residential Lamps
61	Bella Coola Recycling Depot	Bella Coola	Central Coast	Advertised Residential Fixtures
62	Kaslo Building Supplies	Kaslo	Central Kootenay	Advertised Residential Lamps
63	Mountain High Lighting	Castlegar	Central Kootenay	Advertised Residential Lamps
64	Home Hardware Creston	Creston	Central Kootenay	Advertised Residential Lamps
65	Columbia Bottle Recycling	Creston	Central Kootenay	Advertised All Sector Lamp Site
66	The Bargain Bin	Castlegar	Central Kootenay	Advertised All Sector Lamp Site
67	New Life Furniture and Recycling	Creston	Central Kootenay	Advertised Residential Fixtures
68	Ernie's Used Auto Parts	Castlegar	Central Kootenay	Commercial Fixtures & Non-PCB Ballast Site
69	Scrap King Autowrecking & Towing Ltd.	Salmo	Central Kootenay	Commercial Fixtures & Non-PCB Ballast Site

70	Smokey Creek Salvage	South Slocan	Central Kootenay	Commercial Fixtures & Non-PCB Ballast Site
71	Lake Country Building Centre	Lake Country	Central Okanagan	Advertised Residential Lamps
72	London Drugs #12	Kelowna	West Vancouver	Advertised Residential Lamps
73	London Drugs #76	Westbank	Central Okanagan	Advertised Residential Lamps
74	The Battery Doctors	Kelowna	Central Okanagan	Advertised All Sector Lamp Site
75	Westbank Home Hardware	Westbank	Central Okanagan	Advertised Residential Lamps
76	Boucherie Bottle Depot & Self Storage	West Kelowna	Central Okanagan	Advertised All Sector Lamp Site
77	Columbia Bottle Depot - Dease	Kelowna	Central Okanagan	Advertised Residential Fixtures
78	Columbia Bottle Depot - St. Paul	Kelowna	Central Okanagan	Advertised Residential Fixtures
79	Planet Earth Recycling	Westbank	Central Okanagan	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
80	RONA Kelowna #61700	Kelowna	Central Okanagan	Advertised Residential Lamps
81	Unadvertised	Kelowna	Central Okanagan	Unadvertised Commercial Lamps Site
82	Knox Mountain Metals Inc.	Kelowna	Central Okanagan	Commercial Fixtures & Non-PCB Ballast Site
83	Home Hardware Building Centre - Revelstoke	Revelstoke	Columbia Shushwap	Advertised Residential Lamps
84	Sorrento Building Centre	Sorrento	Columbia Shushwap	Advertised All Sector Lamp Site
85	True Value Hardware	Sicamous	Columbia Shushwap	Advertised Residential Lamps
86	RONA Salmon Arm #61330	Salmon Arm	Columbia Shushwap	Advertised Residential Lamps
87	Bills Bottle Depot	Salmon Arm	Columbia Shushwap	Advertised All Sector Lamp Site & Advertised Residential Fixtures
88	Scotch Creek Bottle Depot	Scotch Creek	Columbia Shushwap	Advertised Residential Fixtures
89	Home Building Centre - Salmon Arm	Salmon Arm	Columbia Shushwap	Advertised Residential Lamps
90	Scotch Creek Home Hardware (Building Centre)	Scotch Creek	Columbia Shushwap	Advertised Residential Lamps
91	London Drugs #67	Courtenay	Comox Valley	Advertised Residential Lamps
92	Central Builders Supply Courtenay	Courtenay	Comox Valley	Advertised Residential Lamps

93	Courtenay Return -It Depot	Courtenay	Comox Valley	Advertised All Sector Lamp Site & Advertised Residential Fixtures
94	Comox Valley Auto Metal Recyclers (444978 BC Ltd)	Courtenay	Comox Valley	Commercial Fixtures & Non-PCB Ballast Site
95	Powerhouse Recycled Auto & Truck Parts	Cumberland	Comox Valley	Commercial Fixtures & Non-PCB Ballast Site
96	Peerless Road Recycling Drop-off Depot	Ladysmith	Cowichan Valley	Advertised Residential Lamps & Advertised Residential Fixtures
97	Meade Creek Recycling Drop-off Depot	Lake Cowichan	Cowichan Valley	Advertised Residential Lamps & Advertised Residential Fixtures
98	Bings Creek Solid Waste Management Complex	Duncan	Cowichan Valley	Advertised Residential Lamps & Advertised Residential Fixtures
99	Duncan Home Hardware Bldg Centre	Duncan	Cowichan Valley	Advertised Residential Lamps
100	Lake Cowichan Home Hardware	Lake Cowichan	Cowichan Valley	Advertised Residential Lamps
101	London Drugs #77	Duncan	Cowichan Valley	Advertised Residential Lamps
102	RONA Cobble Hill #61040	Cobble Hill	Cowichan Valley	Advertised Residential Lamps
103	RONA Duncan #61020	Duncan	Cowichan Valley	Advertised Residential Lamps
104	Cowichan Valley Bottle Depot	Duncan	Cowichan Valley	Advertised Residential Fixtures
105	Junction Bottle Depot	Ladysmith	Cowichan Valley	Advertised Residential Fixtures
106	Mill Bay Thrift Store	Mill Bay	Cowichan Valley	Advertised Residential Fixtures
107	Fernie Home Building Center	Fernie	East Kootenay	Advertised Residential Lamps
108	Home Hardware Building Centre - Cranbrook	Cranbrook	East Kootenay	Advertised Residential Lamps
109	Cranbrook Bottle Depot	Cranbrook	East Kootenay	Advertised Residential Fixtures
110	Fernie Bottle Depot	Fernie	East Kootenay	Advertised Residential Fixtures
111	Invermere Home Building Centre	Invermere	East Kootenay	Advertised All Sector Lamp Site
112	New & Nearly New	Kimberly	East Kootenay	Advertised All Sector Lamp Site
113	Skyway Distributors Ltd	Cranbrook	East Kootenay	Advertised All Sector Lamp Site
114	Columbia Recycle	Kimberley	East Kootenay	Commercial Fixtures & Non-PCB Ballast Site
115	Abbotsford Community Services Recycling	Abbotsford	Fraser Valley	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
116	Canadian Tire #434 Abbotsford	Abbotsford	Fraser Valley	Advertised Residential Lamps
117	London Drugs #16	Abbotsford	Fraser Valley	Advertised Residential Lamps
118	London Drugs #41	Chilliwack	Fraser Valley	Advertised Residential Lamps
119	London Drugs #55	Mission	Fraser Valley	Advertised Residential Lamps
120	Mission Recycling Depot	Mission	Fraser Valley	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
121	Wilway Lumber	Abbotsford	Fraser Valley	Advertised Residential Lamps

122	Chilliwack Bottle Depot Ltd.	Chilliwack	Fraser Valley	Advertised All Sector Lamp Site & Advertised Residential Fixtures
123	Aldergrove Bottle Depot	Aldergrove	Fraser Valley	Advertised All Sector Lamp Site & Advertised Residential Fixtures
124	R&T Bottle Depot	Abbotsford	Fraser Valley	Advertised Residential Fixtures
125	Regional Recycling Abbotsford (572274 BC Ltd.)	Abbotsford	Fraser Valley	Advertised All Sector Lamp Site & Advertised Residential Fixtures
126	RONA Abbotsford #61220	Abbotsford	Fraser Valley	Advertised Residential Lamps
127	RONA Abbotsford #61770	Abbotsford	Fraser Valley	Advertised Residential Lamps
128	RONA Chilliwack #61390	Chilliwack	Fraser Valley	Advertised Residential Lamps
129	RONA Hope #61350	RONA Kamloops #61310	Fraser Valley	Advertised Residential Lamps
130	RONA Mission #61200	Mission	Fraser Valley	Advertised Residential Lamps
131	Sardis Bottle Depot Ltd.	Chilliwack	Fraser Valley	Advertised Residential Fixtures
132	Unadvertised	Chilliwack	Fraser Valley	Unadvertised Commercial Lamps Site
133	Unadvertised	Abbotsford	Fraser Valley	Unadvertised Commercial Lamps Consolidator
134	Agassiz Bottle Depot Ltd.	Agassiz	Fraser Valley	Advertised Residential Fixtures
135	Mission Bottle Depot (Mission Recycle Centre Ltd.)	Mission	Fraser Valley	Advertised Residential Fixtures
136	Canadian Tire #433 Chilliwack	Chilliwack	Fraser Valley	Advertised Residential Lamps
137	CCON Steel Inc	Abbotsford	Fraser Valley	Commercial Fixtures & Non-PCB Ballast Site
138	Hope Bottle Depot Ltd	Hope	Fraser Valley	Advertised Residential Fixtures
139	Washtech Services Inc. Abbotsford (Matsqui) Transfer Station	Abbotsford	Fraser Valley	Commercial Fixtures & Non-PCB Ballast Site
140	Central Builders' Supply	Prince George	Fraser-Fort George	Advertised Residential Lamps
141	London Drugs #51	Prince George	Fraser-Fort George	Advertised Residential Lamps
142	PG Recycling	Prince George	Fraser-Fort George	Advertised All Sector Lamp Site
143	Salvation Army - PG	Prince George	Fraser-Fort George	Advertised Residential Fixtures
144	Blight's Home Hardware	Vancouver	GVRD	Advertised Residential Lamps
145	Canadian Tire #610 Richmond	Richmond	GVRD	Advertised Residential Lamps
146	Corporation of The City of New Westminster Recycle Depot	New Westminster	GVRD	Advertised Residential Lamps
147	Hewer Home Hardware	Vancouver	GVRD	Advertised Residential Lamps

148	Kerrisdale Lumber Co Ltd	Vancouver	GVRD	Advertised Residential Lamps
149	London Drugs #10	Vancouver	GVRD	Advertised Residential Lamps
150	London Drugs #11	Richmond	GVRD	Advertised Residential Lamps
151	London Drugs #15	Coquitlam	GVRD	Advertised Residential Lamps
152	London Drugs #17	Delta	GVRD	Advertised Residential Lamps
153	London Drugs #18	Langley	GVRD	Advertised Residential Lamps
154	London Drugs #19	Vancouver	GVRD	Advertised Residential Lamps
155	London Drugs #2	Vancouver	GVRD	Advertised Residential Lamps
156	London Drugs #25	Burnaby	GVRD	Advertised Residential Lamps
157	London Drugs #28	Vancouver	GVRD	Advertised Residential Lamps
158	London Drugs #3	New Westminster	GVRD	Advertised Residential Lamps
159	London Drugs #37	Delta	GVRD	Advertised Residential Lamps
160	London Drugs #4	Vancouver	GVRD	Advertised Residential Lamps
161	London Drugs #42	Surrey	GVRD	Advertised Residential Lamps
162	London Drugs #44	West Vancouver	GVRD	Advertised Residential Lamps
163	London Drugs #47	Maple Ridge	GVRD	Advertised Residential Lamps
164	London Drugs #5	North Vancouver	GVRD	Advertised Residential Lamps
165	London Drugs #50	Vancouver	GVRD	Advertised Residential Lamps
166	London Drugs #52	Richmond	GVRD	Advertised Residential Lamps
167	London Drugs #53	Vancouver	GVRD	Advertised Residential Lamps
168	London Drugs #56	Burnaby	GVRD	Advertised Residential Lamps
169	London Drugs #6	Burnaby	GVRD	Advertised Residential Lamps
170	London Drugs #7	Vancouver	GVRD	Advertised Residential Lamps
171	London Drugs #71	Burnaby	GVRD	Advertised Residential Lamps
172	London Drugs #74	Vancouver	GVRD	Advertised Residential Lamps
173	London Drugs #75	Surrey	GVRD	Advertised Residential Lamps
174	London Drugs #78	Vancouver	GVRD	Advertised Residential Lamps
175	London Drugs #8	Surrey	GVRD	Advertised Residential Lamps
176	London Drugs #9	Surrey	GVRD	Advertised Residential Lamps
177	Unadvertised	Richmond	GVRD	Unadvertised Commercial Lamps Consolidator
178	Pearson's Home Hardware	North Vancouver	GVRD	Advertised Residential Lamps
179	Ridge Meadows Recycling Society	Pitt Meadows	GVRD	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
180	Simpson Home Hardware	West Vancouver	GVRD	Advertised Residential Lamps
181	Southridge Building Supplies Ltd	Surrey	GVRD	Advertised Residential Lamps

182	Tsawwassen Home Building Centre	Delta	GVRD	Advertised Residential Lamps
183	Richmond Recycling Depot	Richmond	GVRD	Advertised Residential Lamps & Advertised Residential Fixtures
184	Shell Busey's HomeSmart	Surrey	GVRD	Advertised Residential Lamps
185	Canadian Tire #443 Surrey	Surrey	GVRD	Advertised Residential Lamps
186	Maple Ridge Lighting	Maple Ridge	GVRD	Advertised Residential Lamps
187	Haney Builders Supply	Maple Ridge	GVRD	Advertised Residential Lamps
188	Canadian Tire#608 Coquitlam	Coquitlam	GVRD	Advertised Residential Lamps
189	Canadian Tire #601 North Vancouver	North Vancouver	GVRD	Advertised Residential Lamps
190	Canadian Tire #389 Vancouver Cambie	Vancouver	GVRD	Advertised Residential Lamps
191	Gandy's Home Hardware	Vancouver	GVRD	Advertised Residential Lamps
192	Ladner Village Hardware	Ladner	GVRD	Advertised Residential Lamps
193	Regional Recycling Vancouver	Vancouver	GVRD	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
194	Coquitlam Return-It Depot	Coquitlam	GVRD	Advertised Residential Fixtures
195	Ironwood Bottle Depot	Richmond	GVRD	Advertised Residential Fixtures
196	Ladner Bottle Depot Co. Ltd.	Delta	GVRD	Advertised All Sector Lamp Site & Advertised Residential Fixtures
197	Newton Bottle Depot	Surrey	GVRD	Advertised All Sector Lamp Site & Advertised Residential Fixtures
198	North Shore Bottle Depot	North Vancouver	GVRD	Advertised All Sector Lamp Site & Advertised Residential Fixtures
199	North Van Recycling Ltd (North Vancouver Bottle & Return-It Depot)	North Vancouver	GVRD	Advertised All Sector Lamp Site & Advertised Residential Fixtures
200	OK Bottle Depot	Richmond	GVRD	Advertised Residential Fixtures
201	Panorama Village Return-It	Surrey	GVRD	Advertised Residential Fixtures
202	Powell Street Bottle Depot	Vancouver	GVRD	Advertised Residential Fixtures
203	Regional Recycling Burnaby (0739024 BC Ltd.)	Burnaby	GVRD	Advertised All Sector Lamp Site & Advertised Residential Fixtures
204	Regional Recycling Richmond	Richmond	GVRD	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
205	Salvation Army - Lower Mainland Divisional Headquarters	Langley	GVRD	Advertised Residential Fixtures
206	Sapperton Return-It Depot	New Westminster	GVRD	Advertised Residential Fixtures
207	Scott Road Bottle Depot Ltd.	Surrey	GVRD	Advertised All Sector Lamp Site & Advertised Residential Fixtures
208	Semiahmoo Bottle Depot	Surrey	GVRD	Advertised Residential Fixtures

209	South Van. Bottle Depot (Zims) Ltd.	Vancouver	GVRD	Advertised Residential Fixtures
210	Walnut Grove Bottle Depot	Langley	GVRD	Advertised All Sector Lamp Site & Advertised Residential Fixtures
211	Fraser Valley Return-It Depot	Langley	GVRD	Advertised Residential Fixtures
212	Vancouver Central Return-It Depot	Vancouver	GVRD	Advertised All Sector Lamp Site & Advertised Residential Fixtures
213	RONA Burnaby #61270	Burnaby	GVRD	Advertised Residential Lamps
214	RONA Coquitlam #61260	Coquitlam	GVRD	Advertised Residential Lamps
215	RONA Coquitlam #61290	Coquitlam	GVRD	Advertised Residential Lamps
216	RONA Maple Ridge #61190	Maple Ridge	GVRD	Advertised Residential Lamps
217	RONA North Vancouver #61740	North Vancouver	RONA Penticton #61480	Advertised Residential Lamps
218	RONA North Vancouver #8140	North Vancouver	GVRD	Advertised Residential Lamps
219	RONA Richmond #8040	Richmond	GVRD	Advertised Residential Lamps
220	Rona Surrey #61240	Surrey	GVRD	Advertised Residential Lamps
221	RONA Surrey #61720	Surrey	GVRD	Advertised Residential Lamps
222	RONA Vancouver #61280	Vancouver	GVRD	Advertised Residential Lamps
223	RONA Vancouver #61760	Vancouver	GVRD	Advertised Residential Lamps
224	London Drugs #82	Vancouver	GVRD	Advertised Residential Lamps
225	Unadvertised	Maple Ridge	GVRD	Unadvertised Commercial Lamps Site
226	Unadvertised	Surrey	GVRD	Unadvertised Commercial Lamps Site
227	Unadvertised	Vancouver	GVRD	Unadvertised Commercial Lamps Consolidator
228	Unadvertised	Delta	GVRD	Unadvertised Commercial Lamps Site
229	Edmonds Recycling Ltd.	Langley	GVRD	Advertised All Sector Lamp Site
230	Go Green Depot & Recycling	Vancouver	GVRD	Advertised Residential Fixtures
231	Happy Stan's Recycling Service	Port Coquitlam	GVRD	Advertised All Sector Lamp Site, Commercial Fixtures & Non-PCB Ballast Site
232	Unadvertised	Coquitlam	GVRD	Unadvertised Commercial Lamps Consolidator
233	Unadvertised	Surrey	GVRD	Unadvertised Commercial Lamps Consolidator
234	Urban Impact Recycling	Richmond	GVRD	Advertised Residential Fixtures
235	Unadvertised	Burnaby	GVRD	Unadvertised Commercial Lamps Consolidator
236	D&G Recycling dba Tsawassen Bottle Depot	Delta	GVRD	Advertised All Sector Lamp Site
237	Unadvertised	Burnaby	GVRD	Unadvertised Commercial Lamps Consolidator
238	Unadvertised	Surrey	GVRD	Unadvertised Commercial Lamps Consolidator

239	Unadvertised	Coquitlam	GVRD	Unadvertised Commercial Lamps Consolidator
240	Lee's Bottle Depot Ltd.	Burnaby	GVRD	Advertised Residential Fixtures
241	Steveston Return-it Depot	Richmond	GVRD	Advertised Residential Fixtures
242	Langley Bottle Depot	Langley	GVRD	Advertised Residential Fixtures
243	Kitchener Bottle Depot	Burnaby	GVRD	Advertised Residential Fixtures
244	Fleetwood Bottle Return Depot	Surrey	GVRD	Advertised Residential Fixtures
245	Pitt Meadows Bottle and Return-it Depot Ltd	Pitt Meadows	GVRD	Advertised Residential Fixtures
246	Unadvertised	North Vancouver	GVRD	Unadvertised Commercial Lamps Consolidator
247	Aim Lighting & Electric Inc.	Delta	GVRD	Advertised All Sector Lamp Site
248	RONA Surrey #61250	Surrey	GVRD	Advertised Residential Lamps
249	Allied Salvage & Metals	Richmond	GVRD	Commercial Fixtures & Non-PCB Ballast Site
250	Canadian Tire #603 Burnaby	Burnaby	GVRD	Advertised Residential Lamps
251	Canadian Tire #604 Vancouver	Vancouver	GVRD	Advertised Residential Lamps
252	Canadian Tire #609 Port Coquitlam	Port Coquitlam	GVRD	Advertised Residential Lamps
253	Canadian Tire #687 Surrey	Surrey	GVRD	Advertised Residential Lamps
254	Capital Salvage Co. Ltd.	Vancouver	GVRD	Commercial Fixtures & Non-PCB Ballast Site
255	Davis Trading & Supply	Vancouver	GVRD	Commercial Fixtures & Non-PCB Ballast Site
256	East 12th Avenue Thrift Store	Vancouver	GVRD	Advertised Residential Fixtures
257	Fraser Valley Metal Exchange	Maple Ridge	GVRD	Commercial Fixtures & Non-PCB Ballast Site
258	Langley Thrift Store	Langley	GVRD	Advertised Residential Fixtures
259	London Drugs #81	Surrey	GVRD	Advertised Residential Lamps
260	Mac's Traders Inc.	Langley	GVRD	Commercial Fixtures & Non-PCB Ballast Site
261	North Vancouver Thrift Store	North Vancouver	GVRD	Advertised Residential Fixtures
262	Parsons Scrap Metals	Surrey	GVRD	Commercial Fixtures & Non-PCB Ballast Site
263	Port Coquitlam Thrift Store	Port Coquitlam	GVRD	Advertised Residential Fixtures
264	Rypac Metal Recycling	Surrey	GVRD	Commercial Fixtures & Non-PCB Ballast Site
265	Washtech Services Inc. - North Vancouver Transfer Station	North Vancouver	GVRD	Commercial Fixtures & Non-PCB Ballast Site
266	Washtech Services Inc. - Surrey Transfer Station	Surrey	GVRD	Commercial Fixtures & Non-PCB Ballast Site
267	Washtech Services Inc. dba Coquitlam Transfer Station	Coquitlam	GVRD	Commercial Fixtures & Non-PCB Ballast Site
268	Westcoast Metal Recycling	Langley	GVRD	Commercial Fixtures & Non-PCB Ballast Site
269	Willowbrook Recycling Inc.	Langley	GVRD	Advertised Residential Fixtures
270	City of Terrace Landfill	Terrace	Kitimat Stikine	Advertised Residential Lamps

271	City of Terrace Public Works	Terrace	Kitimat Stikine	Advertised Residential Lamps
272	Kitimat Understanding the Environment Society	Kitimat	Kitimat Stikine	Advertised All Sector Lamp Site & Advertised Residential Fixtures
273	Do Your Part Recycling	Terrace	Kitimat Stikine	Advertised All Sector Lamp Site
274	Grand Forks Home Hardware	Grand Forks	Kootenay Boundary	Advertised Residential Lamps
275	Rossland Pro Hardware	Rossland	Kootenay Boundary	Advertised Residential Lamps
276	Maglio Bldg Centre Trail	Trail	Kootenay Boundary	Advertised Residential Lamps
277	Grand Forks Bottle Depot	Grand Forks	Kootenay Boundary	Advertised Residential Fixtures
278	Trail Bottle Depot	Trail	Kootenay Boundary	Advertised All Sector Lamp Site & Advertised Residential Fixtures
279	Dunlop's Home Hardware Building Centre	Port Hardy	Mt Waddington	Advertised Residential Lamps
280	7 Mile Landfill & Recycling Center	Port McNeill	Mt Waddington	Advertised All Sector Lamp Site
281	RONA Alert Bay #1215	Alert Bay	Mt Waddington	Advertised Residential Lamps
282	RONA Port McNeil #1195	Port McNeil	Mt Waddington	Advertised Residential Lamps
283	Seven Mile Landfill and Recycling Centre	Port McNeill	Mt Waddington	Advertised Residential Fixtures
284	Albertson's Home Center	Parksville	Nanaimo Regional District	Advertised Residential Lamps
285	Applecross Home Hardware	Nanaimo	Nanaimo Regional District	Advertised Residential Lamps
286	Canadian Tire #362 Nanaimo	Nanaimo	Nanaimo Regional District	Advertised Residential Lamps
287	Dolly's Home Hardware	Qualicum Beach	Nanaimo Regional District	Advertised Residential Lamps
288	London Drugs #36	Nanaimo	Nanaimo Regional District	Advertised Residential Lamps
289	London Drugs #72	Nanaimo	Nanaimo Regional District	Advertised Residential Lamps
290	Nanaimo Recycling Exchange Society	Nanaimo	Nanaimo Regional District	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
291	Parksville Central Builders' Supply	Parksville	Nanaimo Regional District	Advertised Residential Lamps
292	Parksville Home Hardware	Parksville	Nanaimo Regional District	Advertised Residential Lamps
293	Gabriola Island Recycling	Gabriola Island	Nanaimo Regional District	Advertised Residential Lamps
294	Nanaimo Bottle Depot - Fremont	Nanaimo	Nanaimo Regional District	Advertised Residential Fixtures

295	Parksville Bottle & Recycling Depot Ltd.	Parksville	Nanaimo Regional District	Advertised All Sector Lamp Site & Advertised Residential Fixtures
296	RONA Nanaimo #61030	Nanaimo	Nanaimo Regional District	Advertised Residential Lamps
297	Unadvertised	Nanaimo	Nanaimo Regional District	Unadvertised Commercial Lamps Site
298	Regional Recycling Nanaimo (Dugy's Depot's Ltd.)	Nanaimo	Nanaimo Regional District	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
299	Highway 4 Auto Recyclers	Coombs	Nanaimo Regional District	Commercial Fixtures & Non-PCB Ballast Site
300	Regional Recycling Nanaimo (Dugy's Depot's Ltd.)	Nanaimo	Nanaimo Regional District	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
301	Home Building Centre Vernon	Vernon	North Okanagan	Advertised Residential Lamps
302	London Drugs #39	Vernon	North Okanagan	Advertised Residential Lamps
303	Shepherds Home Hardware	Armstrong	North Okanagan	Advertised Residential Lamps
304	Sun Dial Lighting Vernon	Vernon	North Okanagan	Advertised Residential Lamps
305	Venture Training Vernon	Vernon	North Okanagan	Advertised All Sector Lamp Site & Advertised Residential Fixtures
306	Armstrong Spallumcheen Bottle Depot	Armstrong	North Okanagan	Advertised Residential Fixtures
307	Interior Freight & Bottle Depot	Vernon	North Okanagan	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
308	RONA Vernon #61300	Vernon	North Okanagan	Advertised Residential Lamps
309	Chasers Bottle Depot Ltd.	Vernon	North Okanagan	Advertised Residential Fixtures
310	Hipperson Home Hardware	Nelson	Northern Rockies	Advertised Residential Lamps
311	Nelson Home Hardware Building Centre	Nelson	Northern Rockies	Advertised Residential Lamps
312	Wide Sky Disposal 1989 Ltd.	Fort Nelson	Northern Rockies	Advertised All Sector Lamp Site, Commercial Fixtures & Non-PCB Ballast Site
313	Nelson Leafs Recycling Centre	Nelson	Northern Rockies	Advertised All Sector Lamp Site & Advertised Residential Fixtures
314	Canadian Tire #351 Penticton	Penticton	Okanagan Similkameen	Advertised Residential Lamps
315	Home Hardware Building Centre-Penticton	Penticton	Okanagan Similkameen	Advertised Residential Lamps
316	London Drugs #70	Penticton	Okanagan Similkameen	Advertised Residential Lamps
317	Home Hardware Princeton	Princeton	Okanagan Similkameen	Advertised Residential Lamps

318	Campbell Mountain Sanitary Landfill	Penticton	Okanagan Similkameen	Advertised Residential Lamps
319	Keremeos Sanitary Landfill	Keremeos	Okanagan Similkameen	Advertised Residential Lamps
320	Oliver Sanitary Landfill	Oliver	Okanagan Similkameen	Advertised Residential Lamps
321	Osoyoos Home Hardware	Osoyoos	Okanagan Similkameen	Advertised Residential Lamps
322	Osoyoos Bottle Depot	Osoyoos	Okanagan Similkameen	Advertised Residential Lamps & Advertised Residential Fixtures
323	J&C Bottle Depot	Penticton	Okanagan Similkameen	Advertised All Sector Lamp Site & Advertised Residential Fixtures
324	RONA Penticton #61480	Penticton	Okanagan Similkameen	Advertised Residential Lamps
325	Summerland Landfill	Summerland	Okanagan Similkameen	Advertised Residential Lamps
326	T2 Market	Oliver	Okanagan Similkameen	Advertised Residential Fixtures
327	Peter T. Fodey Lights (Puds Auto Wrecking & Towing)	Osoyoos	Okanagan Similkameen	Commercial Fixtures & Non-PCB Ballast Site
328	Chetwynd Home Hardware	Chetwynd	Peace River	Advertised Residential Lamps
329	R Home Supply Centre	Dawson Creek	Peace River	Advertised Residential Lamps
330	Eco-Depot Recycling Centre	Fort St John	Peace River	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
331	D.C. Campbell Recycling Ltd.	Dawson Creek	Peace River	Advertised All Sector Lamp Site & Advertised Residential Fixtures
332	Unadvertised	Dawson Creek	Peace River	Unadvertised Commercial Lamps Consolidator
333	Unadvertised	Fort St John	Peace River	Unadvertised Commercial Lamps Consolidator
334	Chetwynd Lion's Recycling & Bottle Depot	Chetwynd	Peace River	Advertised Residential Fixtures
335	RONA Powell River #2791	Powell River	Powell River Regional District	Advertised Residential Lamps
336	Augusta Recyclers Ltd.	Powell River	Powell River Regional District	Advertised All Sector Lamp Site & Commercial Fixtures & Non-PCB Ballast Site
337	Sunset Coast Bottle Depot	Powel River	Powell River Regional District	Advertised Residential Fixtures
338	Canadian Tire #480 Powell River	Powell River	Powell River Regional District	Advertised Residential Lamps
339	Skeena Queen Charlotte - Prince Repert Regional Recycling	Prince Rupert	Skeena-Queen Charlotte Regional District	Advertised All Sector Lamp Site & Advertised Residential Fixtures

340	Island Solid Waste Landfill - Port Clements	Port Clements	Skeena-Queen Charlotte Regional District	Advertised Residential Lamps
341	Skeena Queen Charlotte Regional Recycling	Prince Rupert	Skeena-Queen Charlotte Regional District	Commercial Fixtures & Non-PCB Ballast Site
342	London Drugs #80	Squamish	Squamish Lillooet	Advertised Residential Lamps
343	Pemberton Valley Hardware	Pemberton	Squamish Lillooet	Advertised Residential Lamps
344	Squamish Home Hardware	Squamish	Squamish Lillooet	Advertised Residential Lamps
345	Whistler Home Hardware	Whistler	Squamish Lillooet	Advertised Residential Lamps
346	Carney's Waste Systems - Squamish	Squamish	Squamish Lillooet	Advertised Residential Fixtures
347	Regional Recycling Whistler	Whistler	Squamish Lillooet	Advertised All Sector Lamp Site, Advertised Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
348	RONA Squamish #61450	Squamish	Squamish Lillooet	Advertised Residential Lamps
349	RONA Whistler #61460	Whistler	Squamish Lillooet	Advertised Residential Lamps
350	Allied Scrap Metal Squamish	Squamish	Squamish Lillooet	Advertised All Sector Lamp Site
351	Pemberton Recycling Centre	Pemberton	Squamish Lillooet	Advertised Residential Fixtures
352	London Drugs #73	Campbell River	Strathcona	Advertised Residential Lamps
353	Village of Gold River	Gold River	Strathcona	Advertised Residential Lamps & Residential Fixtures, Commercial Fixtures & Non-PCB Ballast Site
354	RONA Campbell River #61120	Campbell River	Strathcona	Advertised Residential Lamps
355	Campbell River Bottle Depot	Campbell River	Strathcona	Advertised All Sector Lamp Site & Advertised Residential Fixtures
356	Willow Point Bottle	Campbell River	Strathcona	Advertised All Sector Lamp Site
357	Canadian Tire #437 Campbell River	Campbell River	Strathcona	Advertised Residential Lamps
358	Gibsons Building Supplies	Gibsons	Sunshine Coast	Advertised Residential Lamps
359	Gibsons Recycling Depot	Gibsons	Sunshine Coast	Advertised All Sector Lamp Site & Advertised Residential Fixtures
360	London Drugs #61	Gibsons	Sunshine Coast	Advertised Residential Lamps
361	Trail Bay Hardware	Sechelt	Sunshine Coast	Advertised Residential Lamps
362	Canadian Tire #636 Sechelt	Sechelt	Sunshine Coast	Advertised Residential Lamps

363	RONA Madeira Park #9551	Madeira Park	Sunshine Coast	Advertised Residential Lamps
364	Sechelt P/U Recyclers	Sechelt	Sunshine Coast	Commercial Fixtures & Non-PCB Ballast Site
365	Home Hardware Building Centre -Merritt	Merritt	Thompson Nicola	Advertised Residential Lamps
366	Light Your World	Kamloops	Thompson Nicola	Advertised Residential Lamps
367	London Drugs #35	Kamloops	Thompson Nicola	Advertised Residential Lamps
368	The Lampost	Kamloops	Thompson Nicola	Advertised Residential Lamps
369	Chase Home Hardware	Chase	Thompson Nicola	Advertised Residential Lamps
370	Wells Gray Home Hardware	Clearwater	Thompson Nicola	Advertised Residential Lamps
371	Kamloops Home Hardware	Kamloops	Thompson Nicola	Advertised Residential Lamps
372	Mission Flats Landfill	Kamloops	Thompson Nicola	Advertised Residential Fixtures & Commercial Fixtures & Non-PCB Ballast Site
373	RONA Kamloops #61310	Kamloops	Thompson Nicola	Advertised Residential Lamps
374	RONA Kamloops #61410	Kamloops	Thompson Nicola	Advertised Residential Lamps
375	Lorne Street Bottle Depot	Kamloops	Thompson Nicola	Advertised Residential Fixtures
376	General Grants Bottle Depot	Kamloops	Thompson Nicola	Advertised All Sector Lamp Site & Advertised Residential Fixtures
377	Merritt Return-It Depot Ltd.	Merritt	Thompson Nicola	Advertised All Sector Lamp Site & Advertised Residential Fixtures
378	Canadian Tire #355 Kamloops	Kamloops	Thompson Nicola	Advertised Residential Lamps
379	Full Refund Bottle Depot	Kamloops	Thompson Nicola	Advertised Residential Fixtures
380	General Grant's (0959754 BC Ltd.)	Kamloops	Thompson Nicola	Advertised All Sector Lamp Site & Advertised Residential Fixtures

Appendix C – Audited Financial Statements

See attached.

PRODUCT CARE ASSOCIATION

**NON-FINANCIAL AUDIT OF
BC LIGHTRECYCLE PROGRAM**

31 DECEMBER 2012



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INDEPENDENT AUDITOR'S REPORT

To the British Columbia Ministry of Environment:

We have audited the following Sections within Product Care Association's Annual Report for the BC LightRecycle Program for the year ended 31 December 2012 (together the "Subject Matter"):

- Table 4 and Appendix B - *Collection facilities;*
- Table 7 and Table 10 - *Product sold and collected; and*
- *Description of performance for the year in relation to targets 1 and 2 on page 17 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 the International Standard on Assurance Engagements 3000 (ISAE 3000) published by the International Federation of Accountants. 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;
- re-performing conversion calculations on a test basis; and
- ensuring wording of annual report is reflective of audit findings.

OPINION

In our opinion, the Subject Matter within Product Care Association's Annual Report for the BC LightRecycle Program for the year ended 31 December 2012 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 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
27 June 2013



Appendix 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 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 audit work performed in relation to the Association's audited financial statements.
- 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 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.