

Recycle My Cell 2014 Annual Report

Submitted to: British Columbia Ministry of Environment

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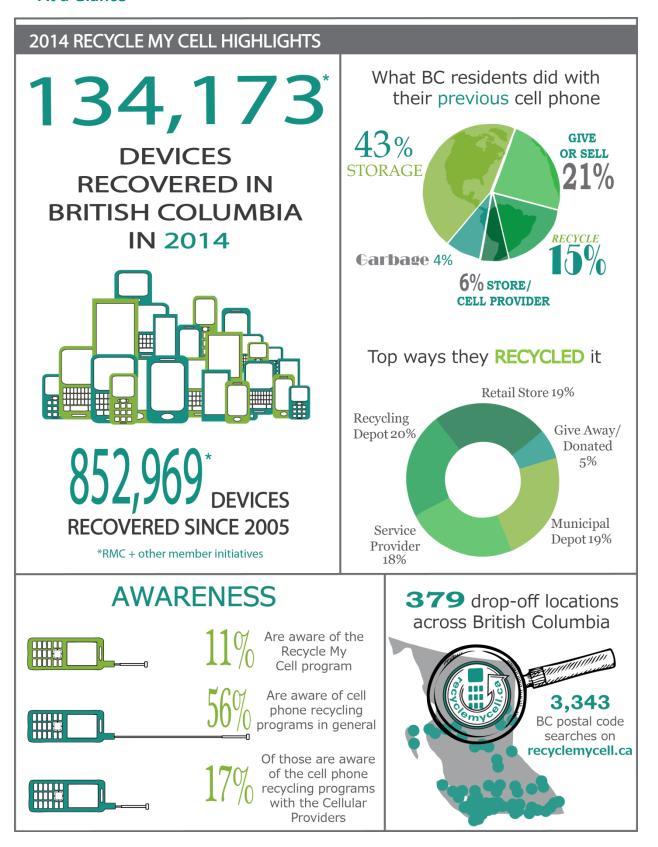
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At a Glance



1. Executive Summary

Products within plan	Mobile devices that were primarily manufactured to connect to a cellular or paging network.			
Program website	Recycle My Cell – www.recyclemycell.ca			
Recycling Regulation Reference Topic		Summary (5-bullet maximum)		
Part 2, section 8(2)(a)	Public Education Materials and Strategies Refer to Section 3 for details.	 Sponsorship of events (Waste Reduction Week in Canada). Joint BC stewards initiatives (including Recyclepedia, new BC Recycles Web site and BC Recycling Handbook). RMC material on stakeholder Web sites. RMC branded program and promotional materials for municipal and other third-party sites. Press releases highlighting latest developments regarding RMC. 		
Part 2, section 8(2)(b)	Collection System and Facilities Refer to Section 4 for details.	 RMC utilizes a return-to-retail recovery model. In 2014, there were 379 permanent drop-off locations in 77 municipalities and unincorporated areas (27 regional districts). Participating locations included in the RMC database collect all devices regardless of make, model or condition in order to provide consumers with the convenience that they seek. RMC offers a free mail-back option which allows any consumer with access to Canada Post services the ability to return their devices. 		
Part 2, section 8(2)(c)	Product Environmental Impact Reduction, Reusability and Recyclability Refer to Section 5 for details.	 On-going consumer demand for in increased functionality that gives them the ability to substitute one device for many. Program members use certified third-party processors to manage their materials. Product Management – auditor review of processor standards and data to verify accuracy. 		

Products within plan	Mobile devices that were primarily manufactured to connect to a cellular or paging network.			
Program website	Recycle My Cell – www.recyclemycell.ca			
Recycling Regulation Reference	Topic	Summary (5-bullet maximum)		
Part 2, section 8(2)(d)	Pollution Prevention Hierarchy and Product / Component Management Refer to Section 6 for details.	 While it is understood that reuse is the preferred method for dealing with recovered product, in the case of wireless devices the amount of product that can be refurbished for reuse is dependent on many factors that are not controllable, including the condition of the phone at time of recovery and the technology that is required for its use. Reused – Devices that are deemed reusable have their data wiped and are sold via auction to third-parties. These phones may be commingled with devices collected via non-program participants Recycled – Devices destined for recycling are handled based on the general practices of the primary processor. In all instances the batteries are removed from the device and the remaining material is either further dismantled, or shredded in entirety (minus the backing), before being sent to approved downstream processors. 		
Part 2, section 8(2)(e)	Product Sold and Collected and Recovery Rate Refer to Section 7 for details.	 Product sold – 537,327 (estimated) Product collected (all initiatives) – 134,173 (estimated). 72,842 were recovered through member's RMC initiatives and 61,331 through various internal initiatives. 		
Part 2, section 8(2)(e.1)		Not applicable to Recycle My Cell.		
Part 2, section 8(2)(f)	Summary of Deposits, Refunds, Revenues and Expenses	 Not applicable to Recycle My Cell. 		

Comparison of Key Performance Targets				
Part 2 s	ection 8(2)(g); See full list of targets in Plan	Performance		
Priority Stewardship Plan Targets (as agreed with ministry file lead)	Performance (2014 Results)	Strategies for Improvement		
Increase awareness of cell phone recycling nationally to 80% by 2015.	50% nationally; 56% in BC. Refer to Section 9 for details.	CWTA will:		

Comparison of Key Performance Targets				
Part 2 s	ection 8(2)(g); See full list of targets in Plan	Performance		
Priority Stewardship Plan Targets (as agreed with ministry file lead)	Performance (2014 Results)	Strategies for Improvement		
		network.		
100% customer satisfaction with the Recycle My Cell program (nationally).	Nationally, 84% of those who recycled their device reported being satisfied with the experience. Refer to Section 9 for details.	 to offer multiple methods by which a consumer may recycle their device (drop-off locations and mail-back). to work with its members and participating organizations to ensure that issues are addressed. 		

2. Program Overview

The Canadian wireless telecommunications industry, under the auspices of the Canadian Wireless Telecommunications Association's (CWTA) Recycling Committee, operates Recycle My Cell (RMC), a free national cellular phone recycling program. The members of CWTA include, among others, wireless service providers, wireless handset manufacturers and processors.

Recycle My Cell has served as the cell phone recycling stewardship program in British Columbia since its formal regulatory approval in the province on November 10, 2009.

RMC recovers all used, unwanted or discarded mobile devices which connect to a cellular or paging network, including cell phones, smartphones, wireless PDAs, external aircards and pagers.

Under RMC, brand owners continue to operate their own corporate programs to collect, reuse and recycle mobile devices.

RMC is not funded through eco-fees. The cost to operate the RMC program is borne directly by member brand owners running their individual corporate programs and by CWTA through fees paid by its members and associates (i.e., RMC is funded through CWTA's general budget, using CWTA staff and resources).

RMC uses a return-to-retail collection model. Consumers can readily return mobile devices at all participating retail stores operated by brand owners within the province during normal business hours. In addition, consumers will be able to mail back unwanted devices using postage-paid labels when it is not convenient for them to return the devices to a drop-off location.

Devices that have been collected by participating locations are sent to certified processors for proper handling.

This report has been prepared by the CWTA and is submitted on behalf of: Bell, BlackBerry, Eastlink, GEEP Inc., Google, GREENTEC, LG Electronics Canada, Inc., Lynx Mobility, Microsoft, MTS, ProMobility, Rogers Communications, Samsung Electronics Canada Inc., SaskTel, Sony of Canada, Tbaytel, TELUS, Videotron, and Virgin Mobile Canada.¹

3. Public Education Materials and Strategies

RMC continues to work within the province to increase program awareness and usage.

CWTA, and its participating members, have undertaken various promotional activities to raise awareness about cell phone recycling and the RMC program.

Cell phone recycling awareness may not correlate directly to an increase in the number of devices that are collected in the province by the RMC program. Although RMC is the approved stewardship program operating within the province it is not the only program recovering phones. Having said that, RMC will not inhibit the ability of another program to recover used devices nor will it monitor the behavior of these programs.

While RMC is an umbrella program, the promotion of cell phone recycling occurs in two ways: by CWTA for the RMC program as a whole, and through activities of participating members in relation to their corporate programs.

3.1 CWTA initiatives

3.1.1 Sponsorship of events

In 2014, Recycle My Cell was the sole national sponsor for Waste Reduction Week (WRW) in Canada lending support to the "Recycle My Cell Student Challenge."

The "Recycle My Cell Student Challenge" challenged schools to collect the most phones in their province for an opportunity to win prizes. Schools were informed of the Challenge through a national press release, contest details on the Waste Reduction Week in Canada Web site and through each of the participating provincial councils; how this information was conveyed by the councils would differ based on the approach preferred by each region.²

In British Columbia, Recycle My Cell received valuable support from the Recycling Council of British Columbia (RCBC). RCBC sent an initial email to all schools in BC, encouraging participation in all aspects of Waste Reduction Week 2014. The initial email included information on event registration and the Recycle My Cell (RMC) Student Challenge, and encouraged teachers to engage their students in WRW by registering their events and signing up for the Challenge. In total, 1,951 schools were contacted representing 62,250 students. In addition, RCBC sent a media release announcing the Challenge launch to all media (radio, TV and print) and published a dedicated RMC page on their website, linking program description and contest entry instructions. RCBC also promoted the Challenge on their Facebook page and Twitter page and every participating school was contacted upon registration, thanking them and providing more details. At the end of the Challenge, schools were reminded via email to seal up and send in their boxes.

 $^{^{\}rm 1}\,{\rm See}$ Appendix A for program specifics for member initiatives.

² See Appendix B for promotional support for Waste Reduction Week in Canada.

³ Teachers in the province of BC were on strike for the first 3-weeks of September which stalled the initial contact with schools.

The Recycle My Cell Challenge was also promoted via Canadian Teacher Magazine, press releases, as well as the Recycle My Cell Web site, Facebook page, and Twitter account.^{4, 5}

This year, the Challenge was cross-promoted by Earth Day Canada. As a result, Earth Day Canada provided information via email to 10,000 contacts who are typically teachers and educators with an interest in the environment and educational programming for schools.

Sacred Heart Elementary won the 2014 Challenge in British Columbia and was awarded a \$500 cash donation from CWTA to further their environmental initiatives. Schools that collected 20 phones or more were granted \$1 per phone as a participation prize. Nationally, 5,832 cell phones were recovered through the Challenge in 2014; of these, 385 were recovered by schools in BC.

3.1.2 Recycle My Cell branded program

The Recycle My Cell program is open to third-party locations interested in hosting a drop-off site to support cell phone recovery efforts.

Third-party locations, such as municipal waste depots, not-for-profit organizations and other parties not affiliated with current RMC members, can serve as drop-off locations simply by registering with CWTA.

3.1.3 Promotional materials

CWTA continues to provide RMC promotional materials (brochures, tent cards and posters) to third-party locations (municipal and community sites that wish to support the Recycle My Cell recovery program, at dealer sites and non-affiliated retailers that do not run their own program) whenever such materials may be requested.⁶

3.1.4 Social Media

CWTA has developed both a Facebook page and a Twitter account for the promotion of the Recycle My Cell program. RMC's Facebook page is used to promote the various events in which RMC is a participant. CWTA continues to promote cell phone recycling via its @recyclemoncell Twitter account.⁷

3.1.5 RMC Web site

CWTA maintains a mobile friendly Web site (www.recyclemycell.ca and www.recyclemoncell.ca) that serves as the central hub for the program. Information about the RMC recovery program, recycling, member programs, current collection sites and steps to clear personal information is readily available to consumers via this site. This site also includes links to the mail-back options that are in place through member programs.

Consumers with additional questions about the program are encouraged to contact RMC representatives via an email address that has been established for this purpose (info@recyclemycell.ca / info@recyclemoncell.ca).

Web site traffic (January to December 2014)

RMC Web site logged 73,324 unique visits nationally.⁸

⁴ Canadian Teachers Magazine is sent to 12,000 schools to an audience of 60,000 teachers.

⁵ The Press Release was issued via Canada NewsWire to 2,000 radio, TV and print outlets in Canada.

⁶ See Appendix C for samples of the RMC promotional material (brochure, tent card and posters).

⁷ Appendix D for Facebook and Twitter feeds.

⁸ Due to a tracking issue with the RMC Web site, the data for March, April, May, June, and July had to be estimated.

 3,343 database searches for recycling locations in British Columbia (based on the postal code entered at time of search).⁹

3.1.6 Toll-free number

Consumers without Internet access can call a toll-free number (1-888-797-1740) operated by CWTA staff to access information about RMC. Inquiries related to other material categories are forwarded to appropriate organizations where they exist.

Call volume (January to December 2014)

• 23 calls to the RMC toll-free number originated from BC.

3.1.7 Stakeholder relations

CWTA is an active participant within the Stewardship Agencies of BC. This joint initiative of the BC Stewards provides information to BC residents concerning all approved programs within the province through vehicles like the RCBC Recyclepedia. It identifies the steward, the designated materials and most critically, where consumers can take their products to ensure that they are recycled responsibly.

Recycle My Cell is also included in the BC Recycling Handbook. The publication includes information on all ministry approved stewardship programs operating within the province, and is provided to: BC Ministry of Environment, all members of the Legislative Assembly, BC Chambers of Commerce, all BC regional district offices, and all Return-It Depots and Collection sites.

3.1.8 Third-party Web sites

Recycle My Cell continues to receive positive support from organizations such as RCBC, The Government of British Columbia, Capital Regional District, and the City of Campbell River, among others.¹¹

CWTA believes that the most effective way to ensure residents of British Columbia are aware of the program is to have information included in areas where a resident is likely to look.

3.1.9 Press releases

CWTA develops and distributes both targeted and national press releases to coincide with activities that RMC participates in. As an example, support of Waste Reduction Week was announced in a national release. In addition, announcements regarding the number of phones that have been recovered are issued to coincide with Earth Day.¹²

3.1.10 Paid advertising

CWTA utilizes alternate advertising methods, such as Google and Facebook ads, to build program awareness. The use of on-line advertising in forums commonly used by consumers offer a more targeted approach to providing information to those searching for it.¹³

⁹ Due to a tracking issue with the RMC Web site, the data for January February, and March is an estimate.

 $^{^{\}rm 10}$ See Appendix E for joint steward initiatives.

 $^{^{\}rm 11}$ See Appendix F for examples of third-party support.

¹² See Appendix G for Earth Day Press Release.

¹³ See Appendix H for samples of paid advertising.

3.2 Corporate program initiatives

3.2.1 Promotional materials and Web sites

Participating carriers continue to have marketing plans in place that support their various initiatives, including those for trade-in or upgrades.¹⁴

In addition to promotional materials, carriers continue to increase the visibility of recycling programs by ensuring that the information is readily accessible to customers upgrading their phones via corporate Web sites.

Participating manufacturers also include RMC branding on their corporate Web sites.

3.2.2 Staff training

Carriers continue to foster program awareness internally with their staff so that they are able to provide accurate information to their customers. This is done with regular reminders via internal Web sites and blogs. Bell, for example, maintains an on-line training module that is a required element to new store associate's training and also mandatory on an annual basis.¹⁵

4. Collection System and Facilities

4.1 Drop-off locations

In 2014, there were 379 permanent drop-off locations in 77 municipalities and unincorporated areas (27 Regional Districts) across British Columbia.

While there was a decrease of 143 locations over 2013, there was no change in the number of municipalities with access to a physical drop-off location. ^{16, 17} The bulk of this decrease is directly attributable to changes made in recovery models and a tightening of the criteria carriers use concerning program participation.

Return-to-retail continues to be the primary model for collection drop-off sites. It is felt that the most effective method for cell phone recovery is simply dropping off an existing device(s) when a new one is purchased.

Participating locations that are included in the RMC database collect all devices regardless of make, model or condition in order to provide consumers with the convenience that they seek. Only locations that are officially affiliated with partner programs are included in the database; while some locations may participate on a voluntary basis and accept devices when brought in, those locations are not included.

¹⁵ See Appendix J for the introductory page to Bell's online training module and information provided to employees.

¹⁴ See Appendix I for examples of promotional materials.

¹⁶ Facilities that are carrier identified retail locations and franchisees, or other approved third party operators (e.g. non-affiliated retail stores, libraries, municipal centres, etc.) that host Recycle My Cell collection boxes year round. These locations are accessible by consumers and included in the Recycle My Cell searchable database.

¹⁷ See Appendix K for a list of drop-off locations in British Columbia.

In addition, there were:

- 0 Temporary drop-off locations,¹⁸
- 3 Processors/Consolidation Centres, ¹⁹ and
- 5 Reverse Logistics Centres/Warehouse Collection Facilities ²⁰

4.2 Mail-back

In instances where a drop-off location is not available, RMC offers a mail-back option which allows any consumer in the province – with access to Canada Post service – the ability to conveniently and easily return their devices and accessories at no cost to themselves.

5. Product Environmental Impact Reduction, Reusability and Recyclability

5.1 Handset manufacturers and improving product life cycle management

RMC handset manufacturers continue their efforts to eliminate or to reduce the environmental impacts of a product throughout its life cycle.

Devices that do more things, at a faster speed, and from anywhere, have become the norm. Handset manufacturers work to design devices to meet these expectations. Consumers, through their shopping habits, have made it clear that they are interested in increased functionality that gives them the ability to substitute one device for many.

An example of an individual initiative that has been taken includes:

BlackBerry

• Life Cycle Analysis: BlackBerry pays close attention to how its products are designed, distributed and disposed of to reduce their environmental impact. BlackBerry uses Life Cycle Analysis (LCA) to provide an in-depth view of each product's environmental impacts at every stage in its lifecycle, from the materials used in the product, to production and distribution, throughout its use, and at the end of its useful life. To conduct the LCA studies on its products, BlackBerry works with PE International, an experienced sustainability management consulting firm. Results from the LCA studies help BlackBerry identify what it is doing well as well as identifying opportunities to lessen environmental impacts.

Avoidance of Hazardous Substances in Products: An increasing awareness of the health and environmental impacts of hazardous materials has made reducing the use of these materials a particular focus for BlackBerry in recent years. A number of government and regulatory agencies also share this focus. Working collaboratively, BlackBerry has worked with industry groups and regulatory agencies to help develop test methods for regulations such as the European Union's Restriction of Hazardous Substances (RoHS) and the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") and the Government of Canada's Chemicals Management Plan.

¹⁸ Carrier identified locations, or other third party operators (e.g. schools, offices, etc.) that host collection boxes for a limited period of time, seasonal drives and challenge-based drives or other limited temporary collection activities. These locations are not included in the Recycle My Cell searchable database.

¹⁹ Facilities that receive devices via recovery mechanisms (product that is recovered via Mail-backs or delivered by couriers). These locations are not accessible by consumers.

²⁰ Facilities where devices under warranty are returned. These locations are not accessible by consumers.

Energy Efficiency: Energy efficiency has always been a core focus of the BlackBerry design process, resulting in highly optimized software and an energy efficient charging system. To minimize energy consumption, BlackBerry has worked to consistently reduce the footprint of its chargers and improve their energy efficiency. All chargers currently in market achieve Level V, the highest rating for the International Energy Efficiency Mark. In addition, all BlackBerry devices, batteries and chargers comply with the strict Battery Charging System efficiency requirements of the California Energy Commission.

End-of-life: The end-of-life phase can present opportunities if a device is reused, refurbished or recycled. BlackBerry devices are designed to last with software that can be upgraded over-the-air and hardware that facilitates repair. BlackBerry devices are designed to be easily repaired, containing many parts that professional repair facilities can quickly and simply swap. BlackBerry encourages the passing of products from one user to the next, being repaired and refurbished where necessary, and all BlackBerry products include a built-in secure data wipe feature to ensure that no data from the previous user remains on the device.

5.2 Processor members and certifications

Program members use certified primary processors to manage their materials. All of the processors involved with the RMC program hold multiple certifications, including those that are nationally and internally recognized.

Recycler Qualification Program Verification: For the purposes of the audit, CWTA has opted to leverage the Recycler Qualification Program, or RQP, and the Electronic Recycling Standard (ERS). Primary processors verified to the RQP include: Greentec, GEEP and ProMobility.

The RQP is managed by the Recycler Qualification Office (RQO) which was established by end-of-life electronics stewardship programs operating in Canada. The RQP has, to a degree, become the default standard in Canada in the absence of a recognized global standard as identified by the MoE.

The intent of the RQP audit is to identify the materials processed and generated; observe the processing methods used; assess conformance of the recycler's operations in accordance with the requirements of the ERS; and determine the downstream flow of materials. The RQP prohibits the use of prison labour, and also prohibits the shipment of end-of-life scrap material to developing and non-OECD countries.²¹

The ERS includes environmental, occupational health and safety, and material handling requirements; this is the auditable criteria that processor assessments and approvals are based upon. It is the processors responsibility to maintain objective evidence of conformance to all requirements of the ERS.

A chart identifying the acceptable processes and end-fates for RQP-verified processors can be located in Appendix L.

Other certifications: Processors that have not been verified to the RQP may still be properly certified to handle material. As noted earlier, most processors hold a multitude of different certifications in order to be marketable and viable in a competitive market place. Standards like e-Stewards and R2 are globally recognized standards, whereas the RQP verification is applicable specifically to Canada.

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²¹ Full RQP requirements are outlined in: http://rqp.ca/wp-content/uploads/2014/01/Recycler_Qualification_Program_FINAL_10.10.271.docx

In most instances, the material collected by the primary processors is sent to down streams that are identical to those used by RQP-verified processors.

6. Pollution Prevention Hierarchy and Product / Component Management

Section 7.2 identifies the volume of cellular devices collected through the RMC programs. Of that material, 86% flows through processors that have been verified to the RQP.²²

The devices are triaged and either sent for reuse (35%) or recycling (65%).

For the purposes of the audit, focus will be placed on the devices that are recycled by RQP-verified processors since that constitutes the largest proportion of materials. Devices that have been identified for reuse will not be audited; components that have a market or value are not likely to end up in landfill.

Reuse: While it is understood that reuse is the preferred method for dealing with recovered product, in the case of wireless devices the amount of product that can be reused is dependent on many factors that are not controllable, including the condition of the phone at time of recovery and the technology that is required for its use. As such, to reintroduce phones into the market that do not meet those criteria or that are not supported on technology in a given market do more harm than good. For this reason, phones that do not meet reuse criteria will continue to be sent for responsible recycling.

Devices that are deemed reusable have their data wiped and are sold via auction to third-parties. These phones may be commingled with devices collected via non-program participants.

Recycle: Devices destined for recycling are handled based on the general practices of the primary processor. In all instances the batteries are removed from the device and the remaining material is either further dismantled, or shredded in entirety (minus the backing), before being sent to approved downstream processors.

Once the material reaches its downstream processor it can either be separated further into its various components and consolidated with other like materials and sent further downstream, or sent in its original shredded state to be smelted.

The material from RMC participating programs may be commingled with other non-program materials. Commingling of materials occurs often in order to gain efficiencies for shipping purposes, and to ensure viable and competitive pricing for materials. This is a standard business practice employed by processors.

In order to validate data concerning end-fate of materials, the RQP and ERS must be used in conjunction with processor "mass balancing" to bring reliance. The mass balance exercise identifies the amount of material received by the processors and the resulting materials and their subsequent downstream processors. Information for the mass balance reporting is provided directly by the processors.

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²² The remaining 14% of material is handled by processors that have not been verified to the RQP but meet other recognized certifications. These devices are also triaged and either reused (83%) or recycled (17%). A consultant was engaged in 2014 to help develop process flows in order to allow carriers and CWTA to better understand what occurs with the material once it is received by the processors. CWTA continues to work with its members to identify the ways in which the product that is sent to these processors is managed.

As noted, devices have value whether they are sent for reuse and sold as working devices, or shredded and sold for precious metal recovery. Each stream has legitimate and robust markets for the materials and processors have a monetary incentive to ensure that the material ends up where it is intended to.

In 2014, program participants worked with three RQP-verified primary processors to recycle RMC materials. Two of these processors handle the majority of product collected in BC. For one of these processors it was possible to obtain sufficient evidence to support how the recovered product was managed in accordance with the pollution prevention hierarchy. This process reflects 23% of RMC product recycled in BC. The information presented below is representative of this process. CWTA will continue to work with the remaining processors of RMC material to obtain additional evidence to support their processes and how RMC material is handled in accordance with the pollution prevention hierarchy.

Table 1:

Material / Component	% of Material Stream	Recycling Process Description	Disposition
	0.140/	Dust from the plant is gathered by dust machines. Dust pucks made from dust created within plant is sent downstream for precious metal recovery. (Not exclusive to dust from cell phones.)	G IV 23
Metal Dusts	0.14%	The amount of metal dust recovered is an estimate based on the amount of dust that the shredding process is expected to generate for the volume of cell phones put through it. The estimate is required because the dust comes from all waste sources processed via the shredder.	Smelting ²³
Other	99.86%	Phones destined for recycling are shredded, and sent downstream for precious metal recovery.	Smelting
Phone back - plastic	unknown	Cell phone backs are removed from the device and consolidated with similar materials. It is then sent downstream to be sorted and shredded. The amount that this constitutes is not tracked.	Shredding
Phone back – aluminum	unknown	Cell phone backs are removed from the device and consolidated with similar materials. It is then sent to downstream for melting. The amount that this constitutes is not tracked.	Melting
Phone back - steel	unknown	Cell phone backs are removed from the device and consolidated with similar materials. Material is sent to a downstream processor for further sorting and shredding. It is then sent downstream for smelting. The amount that this constitutes is not tracked.	Smelting

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²³ Smelting is the process of heat treating metal containing materials to reclaim metal. Non-metal materials, such as plastics, may be consumed during the smelting process.

Table 1 identifies the components and the verified processing end-fates for one of the primary processors.

The percent of material stream presented above is based on Mass Balance reports for RMC material handled at a national level. For the purposes of clarity, the third-party audit cannot confirm that material specifically recovered via RMC was sent to the various processing end-fates. Once the material is separated and/or shredded it can no longer be tracked as belonging specifically to RMC. While it is possible to confirm the volumes that were received, and to trace the volumes of material that were sent to their respective downstream processors as an aggregate, it is not possible to attribute specific volumes to a respective program.

Based on data provided by the primary processor all elements of the RQP audit process suggest that the commingled RMC material is dealt with in the manner that is identified.

Table 2:

Component	(% of compone	nt sold/transfer	red for process pathway)	ing that is treat	ed under each բ	orocessing
	Transfer to direct processor in BC	Transfer to direct processor elsewhere in North America	Transfer to direct processor outside North America	Multi-step processing in BC	Multi-step processing elsewhere in North America	Multi-step processing outside North America
Metal Dust						100%
Other						100%
Phone back - plastic						100%
Phone back – aluminum					100%	
Phone back - steel					100%	

Table 2 identifies the components and the verified processing pathway for one of the primary processors.

While the volumes of cell phone backs (plastic, aluminum, steel) are not tracked once they are removed from the device, they are consolidated with similar materials and sent to identified downstream processors.

Based on data provided by the primary processor, all elements of the RQP audit process suggest that the commingled RMC material is dealt with in the manner that is identified.

Table 3:

Estimated Conformance Levels*					
	Reuse	Recycle	Metal Recovery	Landfill	Unknown
Metal Dust			100%		
Other			100%		
Phone back - plastic					100%
Phone back – aluminum					100%
Phone back - steel					100%

Table 3 identifies the estimated conformance levels for one of the primary processors.

Since RMC material is commingled at the primary processors, and not tracked independently, the estimated conformance level is based on CWTA's understanding of the various processes employed by each primary processor and their downstream processors.

Estimated conformance levels for the phone backs cannot be determined since the volume of material is commingled and not tracked specifically for RMC product.

Based on data provided by the primary processor, all elements of the RQP audit process suggest that the commingled RMC material is dealt with in the manner that is identified.

7. Product Sold and Collected and Recovery Rate

7.1 Product sold

For the purpose of annual reports, "Product Sold" is the estimated number of mobile devices distributed into BC by participating manufacturer members, whether they result in an end sale to a consumer or not, to carrier-affiliated locations (including retail stores, third party retailers, corporate retailers and distribution centres).²⁴

Quantification of "Product Sold" is based on data about Mobile Devices distributed into BC which is provided to CWTA by a third-party consolidator. The following process is followed:

²⁴ CWTA has been working closely with its members to improve on the methodology that was developed in 2010. Data provided in this report relates to product distributed by manufacturers that participate in the RMC program as reported by the manufacturer. Data for non-participating manufacturers is not included.

CWTA continues to believe that use of the manufacturer as the reporting agent is preferable. Premised on the notion that the data provided to them by carriers can be added to any product that they distributed directly, this should provide a more complete picture (i.e. including Mobile Virtual Network Operators or third-parties not covered by RMC). Reporting by the manufacturer also lessens the potential of a double count by ensuring that only one member of a chain holds the responsibility for provision of data. In addition, this approach allays the fears of carriers concerning the release of highly confidential data and provides the manufacturer with information that is valuable to their operations.

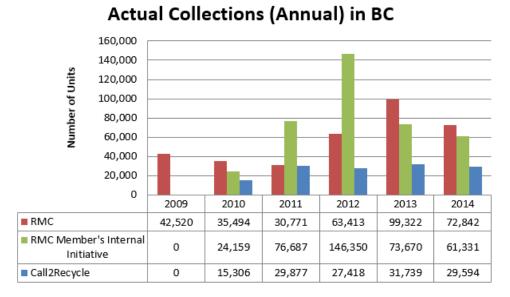
- CWTA provides carrier specific excel template spreadsheets to ensure that data for all relevant manufacturers is appropriately captured in a consistent manner each year.
- Carriers provide their provincial data to manufacturers that are part of the RMC program.
- CWTA provides manufacturer specific excel template spreadsheets to ensure that data for each province is appropriately captured and aggregated in a consistent manner each year.
- Manufacturers aggregate the data received from carriers with their own for each province. This
 data is then sent to the third-party for consolidation.
- CWTA provides the third-party with an excel template spreadsheet to ensure that data for each province is appropriately aggregated in a consistent manner each year.
- The third party receives this information from the various program participants, consolidates it and provides that number to CWTA.

"Product Sold" does not track inter-store (nation-wide) transfers, and what happens to unsold products, etc. and contains estimates where actual data is not available.

In 2014, a total of 537,327 devices were reported as having been distributed into BC. This total includes devices sent directly into a province and devices sent to distribution centres:

- 430,701 are estimated to have been directly distributed to locations within the province that were affiliated with program participants. This includes the carrier's corporate stores, sales directly to a customer (Web and phone), as well as third-party retailers.
- 106,626 are estimated to have been shipped into BC from distribution centres for various third-party retailers. It is difficult to determine an actual quantity for this category since the third-party does not provide that information to the carrier.

7.2 Volume of cellular devices collected



*In 2013, drop-off locations (Trade-in) volumes had not been assured.

In 2014, 72,842 devices were recovered through RMC.

The volume of cellular devices "collected" is the estimated sum total of all Program Products collected by a permanent collection facility.

Quantification of Product Collected is based on:

- Reports generated by the Processors/Consolidation Centres and potentially Reverse Logistics
 Centres/Warehouses Collection Facilities during the Reporting Period and include delineation of
 products by province of origin to the carriers or CWTA directly for some parts of the program.
 - These reports are generated from their individual inventory programs for the Reporting Period.
 - Consolidated values for each product category are reported by quantity and end fate (whether re-used or recycled) per product type.
- Internal carrier collection programs (e.g., trade-ins, warranty repairs, etc.).

Products Collected from unknown origin are accounted for using either an estimate based on products returned that are of known origin, or attributed to the province in which the Carrier is headquartered. In the instance where amount is estimated the following process is used:

- The amount of material collected from known origins is determined for each province. An aggregate total is also determined for Canada. Based on this information, the percentage of product recovered specifically from BC is determined. For example, if 12 devices were recovered from BC and a total of 100 devices were collected nationally, the percentage coming from BC would equal 12%.
- The amount of material collected from unknown origin (where boxes are received at Processors/Consolidation Centres without a unique identifying number, or those collected via mail-back) are aggregated into a total quantity received. The known percentage (in this case 12%) would then be attributed to the aggregate of unknown origin to determine the estimate of what may have originated from BC.

7.2.1 Volume of devices collected through RMC

RMC data represents the results of consumer facing recovery initiatives that collect devices that are considered to be at the end of their useful life, as well as devices collected through Trade-in or Upgrade programs. These devices are collected via return-to-retail and participating third-party locations.

Programs included in this category in 2014 were:

- Bell (includes Virgin Mobile):
 - o Bell Blue Box
 - o Bell Trade-in Program
- Fido:
 - FidoTRADE
- Rogers:
 - Rogers Phones for Food
 - o Rogers Trade Up Program
- TELUS:
 - o TELUS Trade-in Program
 - o TELUS Return & Recycle Program
- The Source:
 - The Source Trade-up Program

In addition, phones collected through WRW and RMC third-party locations are also accounted for here.

7.2.2 Volume of devices collected through RMC member's internal initiatives

Data included in other member internal initiatives include devices are returned to a member for a variety of reasons including buyer's remorse or damage, or are discontinued/overstock. These devices represent material that has been responsibly managed by carriers outside of their respective recycling programs.

It is important to factor this data into the discussion about cell phone recovery because these devices were distributed into the province and then effectively removed from the "available for collection" pool. Devices are diverted from entering the recycling stream within the province as a result of refurbishment and reuse efforts within participating members' organizations.

7.2.3 Volume of devices collected by Call2Recycle and other programs

While RMC has been formally recognized as a cell phone steward within the province it is not the only program that actively solicits consumers for their cell phones. RMC currently participates in a data sharing arrangement with Call2Recycle. The Call2Recycle collection system employs a combination return-to-retail /depot model and works in conjunction with their battery recovery program.

It should be noted that as third-party organizations increasingly see value in used mobile devices, there is an increase in the number of programs and groups collecting phones.²⁵ There are many not-for-profit organizations across the country actively encouraging Canadians to donate unwanted mobile devices in order to generate funds from recycling and reusing the devices. In addition, there are also 'for profit' ventures that collect phones by providing incentives – either directly to consumers or to their collectors – to do so. Data for all other ventures is not currently being reported.

7.3 Recovery rate

Reporting on a recovery rate is not applicable per the currently approved product stewardship plan.

8. Summary of Deposits, Refunds, Revenues and Expenditures

This section is not applicable to Recycle My Cell.

9. Plan Performance

9.1 Targets

Plan Target

Increase awareness of cell phone recycling nationally to 80% by 2015

Strategies for Improvement

CWTA will continue to use the strategies outlined in this Annual Report, including working with BC Stewards on joint initiatives.

-

²⁵ Refer to Appendix M for a sample.

Plan Target	2014 Results	Strategies for Improvement
100% customer satisfaction with the Recycle My Cell program	84% of those who recycled their device reported being satisfied with the experience. See below.	 to offer multiple methods by which a consumer may recycle their device (drop-off locations and mail-back). to work with its members and participating organizations to ensure that issues are addressed.

The performance indicators and targets noted above are not included in the audit.

9.2 Annual survey

Quorus Consulting Group was commissioned to conduct CWTA's National Cell Phone Recycling Study.

Over 4,000 Canadians, 18 years and older, with a minimum of 400 respondents in each province, were contacted to participate in this telephone survey.

Survey results for 2014

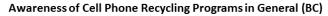
Annual surveys undertaken since the launch of this program have been an effective way in which to gauge public awareness and monitor implementation of RMC, as well as to identify and follow trends. CWTA is able to continue these research and monitoring efforts with the addition of the most current survey results. ²⁶ CWTA is also able to provide a more detailed analysis of the survey results in BC.

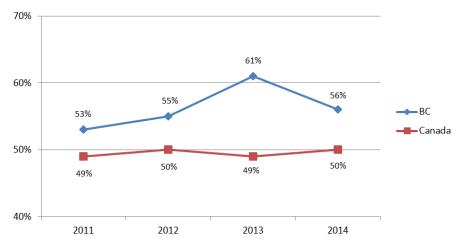
The 2014 National Cell Phone Recycling Study indicated that public awareness of the RMC program is remaining steady. Fifty percent of all respondents are aware of cell phone recycling programs in general. Of those, 23% are aware of RMC program partners. Nationally, 16% of survey respondents indicated that they are aware of the Recycle My Cell program.

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²⁶ Note that only key data trends are reflected in the graphs. Therefore percentages indicated will not equal 100%.

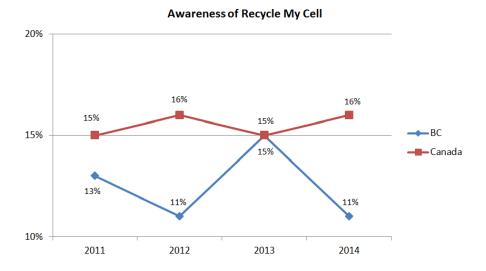
Graph 1:





Fifty-six percent of British Columba respondents are aware of recycling programs for cell phones in general, which is a decrease of 5 percentage points from the previous year. Similar levels of awareness were reported in 2012 and 2011. Levels of awareness in BC remain above the national average of 50%.

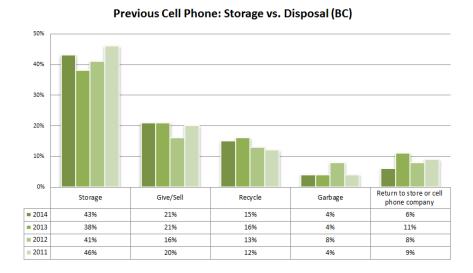
Graph 2:



Eleven percent of British Columbia respondents were aware of the Recycle My Cell program specifically, a decrease of four percentage points since 2013, and falling below the current national awareness levels (16%).

Data was not collected to gauge the awareness level of other recycling programs at the provincial level.

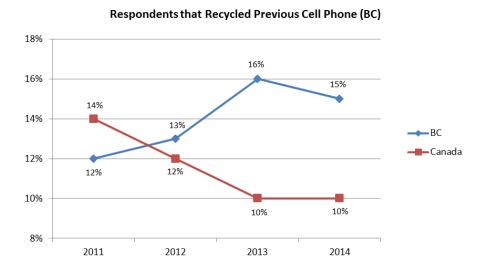
Graph 3:



The data indicates that 15% of British Columbia respondents recycled their last phone (down only one (1) percentage point since 2013). In fact, BC was the province with the highest level of self-reported cell phone recycling. Twenty-one percent gave away or sold their previous cell phone, and 4% reported that they threw their old cell phone in the garbage (both numbers consistent with those reported in 2013). Additionally, 6% returned their devices to a store or cell phone company, down from 11% reported in 2012.

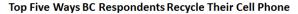
As was the case in 2013, the majority of British Columbia respondents continue to store their phones. Forty-three percent of respondents reported storing their old cellular phone, an increase of five percentage points since 2013.

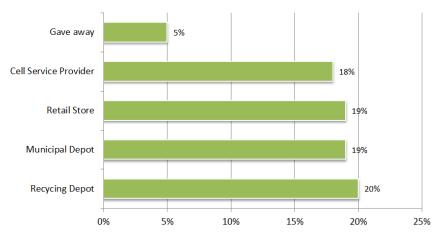
Graph 4:



As stated in Graph 4, fifteen percent of British Columbia respondents currently report that they recycled their previous cell phone, a small decrease of one (1) percentage points over the previous year, but remaining well above the national average.

Graph 5:

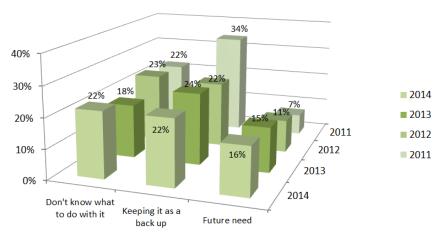




As illustrated in Graph 5, BC respondents are using a variety of cell phone recycling methods, a shift from 2013, which saw a large preference for recycling via cellular service providers (40%). In 2014, reported recycling methods are fairly evenly dispersed between cellular service providers (18%), retail stores (19%), municipal depots (19%), and recycling depots (20%). Five percent of respondents gave away their phone. In 2013, only 6% of respondents reported using a retail store, 10% a municipal depot, and 10% a recycling depot.

Graph 6:

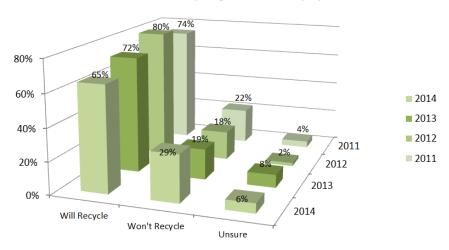
Top 3 Reasons For Not Recycling Previous Cell Phone (BC)



Of the BC respondents who indicated storing their previous cell phone, 22% reported doing so because they did not know what to do with it, an increase of four percentage points from the previous year. Twenty-two percent of respondents stated that they were keeping their phone as a backup, while 16% reported keeping their old cell phone for future need. These results are similar to those reported last year (24% and 15% respectively).

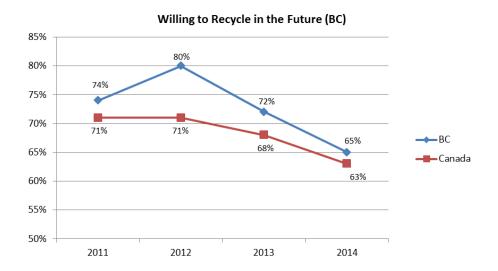
Graph 7:





As illustrated in Graph 7, 65% of respondents with a cell phone in storage would be willing to recycle or return their old cell phone (a decrease of 7 percentage points since 2013). Meanwhile, 29% said they would not recycle of return it (an increase of 10 percentage points), and 6% did not know if they would recycle or return their previous phone (as compared to 8% last year).

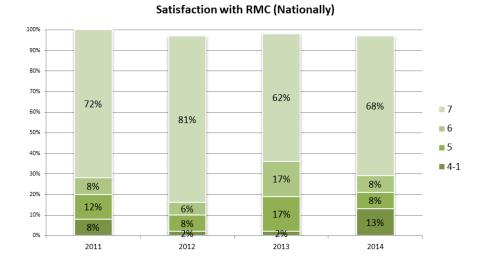
Graph 8:



Reported willingness to recycle cell phones continues to decrease both nationally and provincially in BC. Willingness among BC residents remains above the national average.

9.3 Satisfaction with RMC (National)

Ensuring that consumers find the recycling experience satisfactory is just as important as ensuring they know how and where to recycle their phones. Consumers are more likely to repeat a behavior that they perceived as positive.



The vast majority (84%) of Canadians who recycled their phone through RMC reported being satisfied with the experience, with 68% reporting being "extremely satisfied."

RMC partners work with their respective collection locations to ensure they are aware of their recycling program, as well as the program's affiliation with RMC. The goal of educational efforts aimed at front line staff is to facilitate and simplify the recycling process. When issues are identified, RMC partners are notified so that they can ensure they are rectified immediately.

10. Conclusion

CWTA and its members remain committed to the RMC program and its growth within the province.

RMC members continue to make enhancements to their programs in order to increase usage amongst consumers and to minimize the impact of their product at the end-of-life.

CWTA believes that working together – with BC Ministry of Environment, BC residents and other stakeholders – will ensure continued success.

Appendix A

Program specifics for member initiatives

Program	Locations	Devices Accepted	
Bell: Blue Box	Accepted at any Bell Aliant or Bell store, The Source locations, Virgin Mobile stores and participating dealer locations. Mail-back label available on Web site.	All mobile devices as defined by this program from any manufacturer or carrier.	Bell will donate net proceeds from the program to support Canadian Mental Health Association.
Bell: Bell Trade-in Program	Accepted at any Bell Aliant or Bell store, Virgin Mobile stores and participating dealer locations.	All mobile devices as defined by this program from any manufacturer or carrier.	Trade-in value to customer.
BlackBerry: Trade Up	Mail-back instructions available on Web site.	Limited to BlackBerry devices being used as part of the Trade Up.	Trade-in value to customer.
Eastlink: Recycle My Cell	Accepted at all participating locations.	All mobile devices as defined by this program from any manufacturer or carrier.	Proceeds from returned devices are used to provide prizing for initiatives like the Recycle My Cell Student Challenge.
Fido: FidoTRADE	Accepted at all participating locations.	All mobile devices as defined by this program from any manufacturer or carrier.	Trade-in value to customer.
Lynx Mobility: Recycle My Cell	Accepted at all participating locations.	All mobile devices as defined by this program from any manufacturer or carrier.	Proceeds from returned devices are used to provide prizing for initiatives like the Recycle My Cell Student Challenge.
MTS: Wireless Devices Recycling Program	Accepted at all participating locations.	All mobile devices as defined by this program from any manufacturer or carrier.	Proceeds from the program will be channeled towards the MTS Future First program focused on bettering the lives of youth in Manitoba.
MTS: My Trade-in Program	Accepted at all participating locations.	All mobile devices as defined by this program from any manufacturer or carrier.	Trade-in value to customer.
Rogers: Phones for Food	Accepted at participating Phones for Food locations and through postage paid mail-back bag included with purchase of Rogers' devices.	All mobile devices as defined by this program from any manufacturer or carrier.	Funds raised are donated to local food banks.
Rogers: Trade Up Program	Accepted at all participating locations.	All mobile devices as defined by this program from any manufacturer or carrier.	Trade-in value to customer.

SaskTel: Phones for a Fresh Start	Accepted at any SaskTel stores or participating dealer location.	All mobile devices as defined by this program from any manufacturer or carrier.	Any proceeds from the recycling process are used to support SaskTel community partnerships with the Provincial Association of Transition Houses and Services of Saskatchewan (PATHS), aiding victims of domestic abuse.
SaskTel: Trade-in	Accepted at any SaskTel stores or participating dealer location.	All mobile devices as defined by this program from any manufacturer or carrier.	Trade-in value to customer.
TELUS: Trade-in Program	Accepted at any TELUS Mobility store or participating dealer location.	All mobile devices as defined by this program from any manufacturer or carrier.	Trade-in value to customer. Through Tree Canada, a tree is planted for every device collected.
The Source: The Source Trade-up Program	Accepted at all participating locations.	All mobile devices as defined by this program from any manufacturer or carrier.	Trade-in value to customer.

Appendix B

Promotional support for Waste Reduction Week

RCBC Web site





Recycle My Cell Challenge

The RECYCLE MY CELL national cell phone recycling program wents to help Atlas ease his load by making sure that all old and out-of-use cell phones, smartphones, wireless PDAs, pagers as well as their batteries and accessories are properly recycled.



Canadian students from kindergerten to post secondary are challenged to recycle as many old wireless devices

and accessories as possible between October 20 to November 21, 2014. In addition to doing a good thing for the environment, students could also win some great prizes: \$500 for their school to use for green initiatives, and as a participation prize, eligible schools will receive \$1 for every phone they collect and recycle through Recycle My Cell!

Check here for more information or to register for this challenge.

Download the Recycle My Cell Challenge poster.

Recycle My Cell Challenge - get your school signed up!

The Recycle My Cell Challenge is open to all Canadian students. We will give you everything you need to easily set up your own Recycle My Cell collection site.

To participate in the Recycle My Cell Challenge:

- Register your school on the national WRP//website and share your school's westereduction activities.
- We will get you set up with a collection bin and all the challenge details. You will receive a RMC box, as well as postage-paid mailing labels via Canada Post.
- 3. Simply set up your RMC recovery box in a convenient location at your site, put up some posters and you're ready to have people place their mobile phones and accessories in the recovery box!
- Get the word out! Let your school, friends and family know when and where they can bring their old cellphones, PDAs, pagers, chargers and batteries.
- 5. At the end of the challenge on November 21, 2014, mail in your recovered mobile devices and accessories.

In February we will announce the Recycle My Cell Challenge winners in each province and territory. You will not only be showcased on our website, our social media pages and in our press, you will be helping some greet causes, and you could win some cool prizes. You will also have everything you need to continue your Recycle My Cell activities all year long.

If you have any questions please email us at wwwgrobc.ca

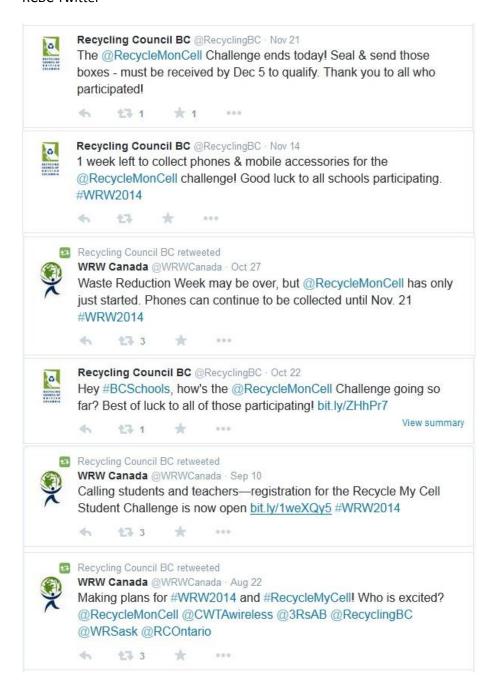


RCBC Facebook Page





RCBC Twitter



National banner ad



Waste Reduction Week in Canada October 20-26, 2014



Semaine canadienne de réduction des déchets 20 au 26 octobre 2014



National button ad



October 20-26, 2014

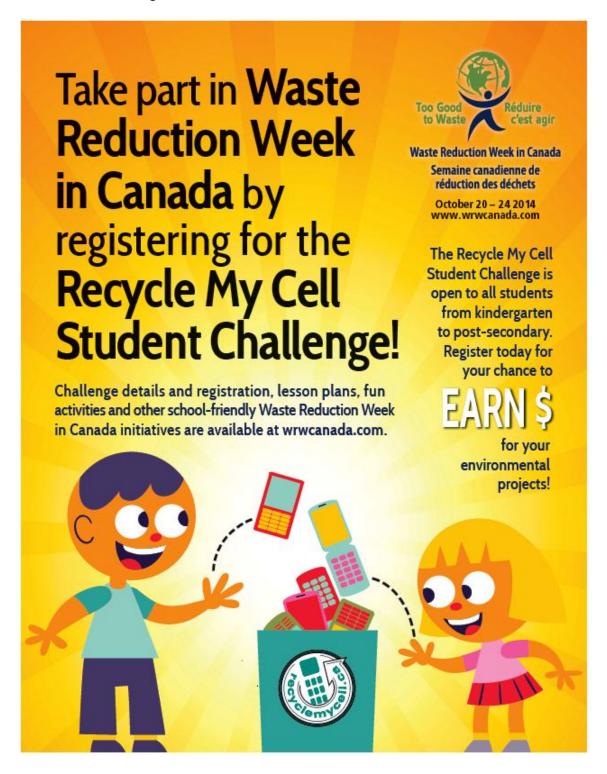
National Poster



National Web site



Canadian Teacher Magazine Ad



Printable Poster (available as a colouring page as well)

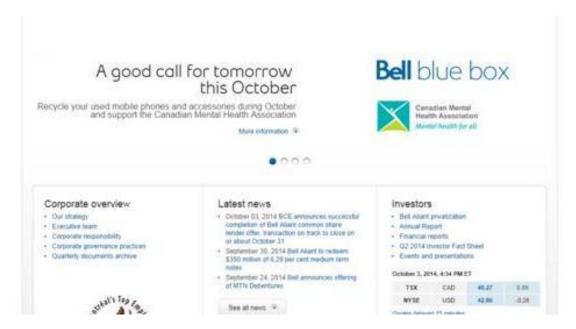


Facebook Page and Twitter Feed





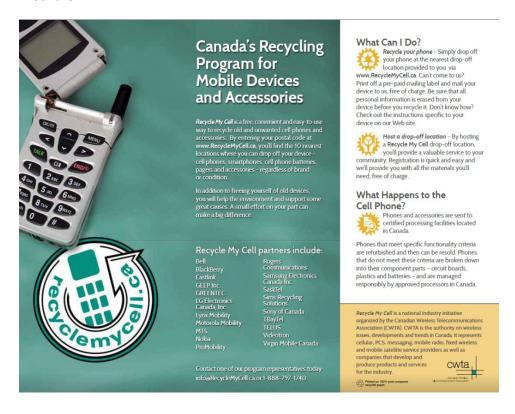
Bell



Appendix C

Recycle My Cell promotional material

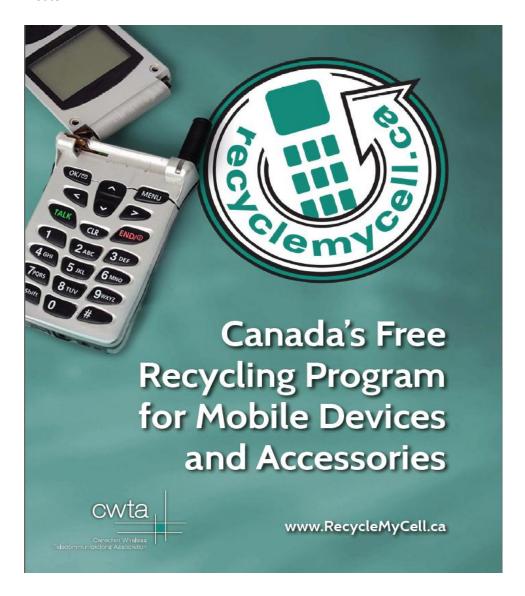
Brochure



Tent Card



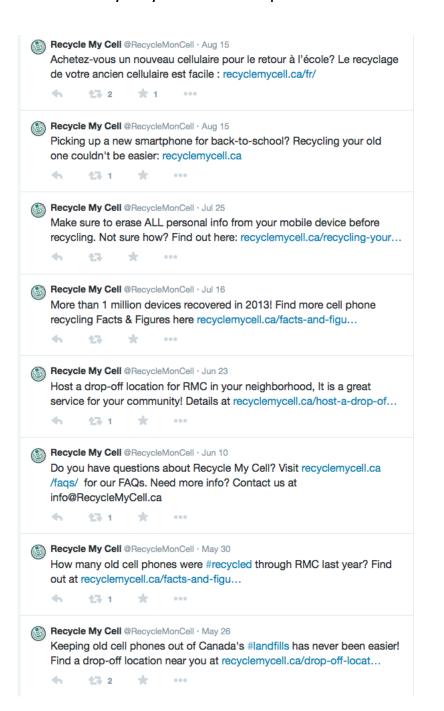
Poster



Appendix D

Recycle My Cell Facebook page and Twitter feed

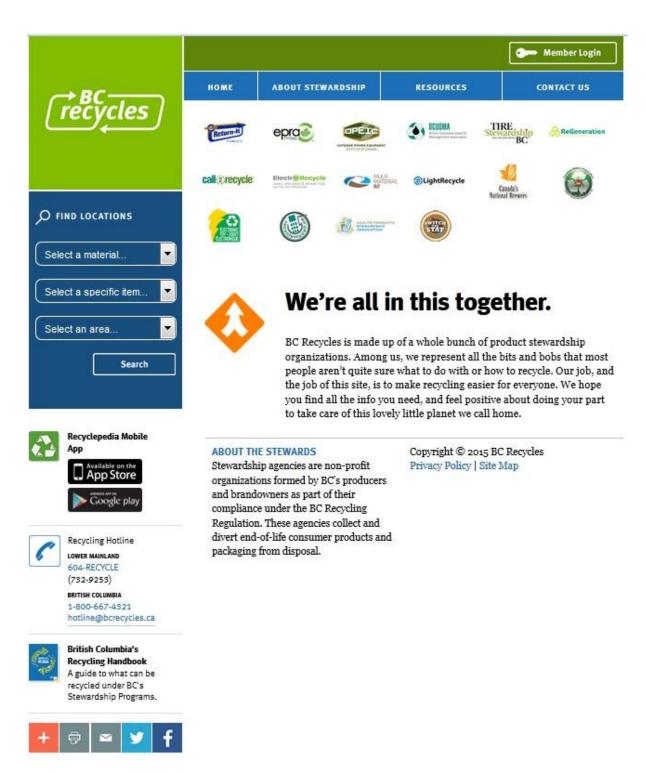


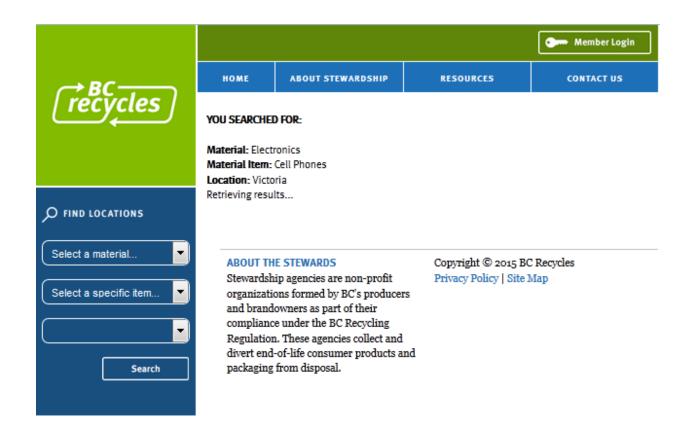


Appendix E

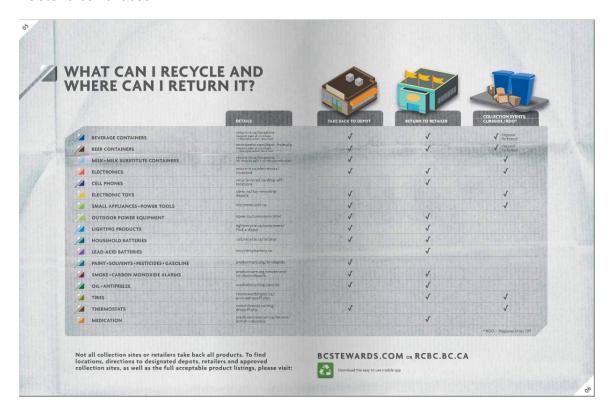
Stewardship Agencies of British Columbia

Web site





BC Stewards Handbook

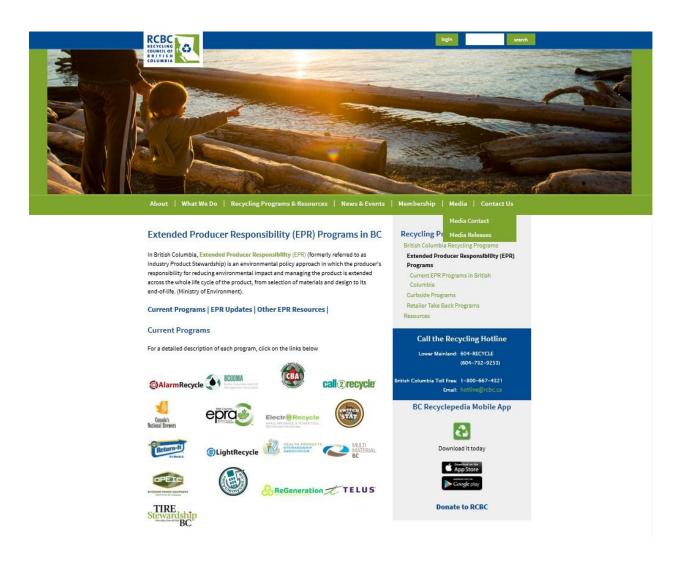




Appendix F

Third-party support

RCBC Recyclepedia





Recyclepedia - Results

Did you know that more than 95% of the materials in an average mobile device are recyclable?

In BC, cell phones are included in a province-wide recycling program. Also accepted are headsets, chargers, batteries and other accessories. For a list of retailers participating in the program, please visit Recycle My Cell.

Cell phones are also accepted for reuse and recycling through the Call2Recycle program, as well as through a number of non-profit organizations and electronic retailers in BC.

If there are no convenient drop-off locations in your area, print a pre-paid shipping label offered by Recycle My Cell. Any mobile device – regardless of brand, model, age – can be recycled through this pre-paid mail-back option.

For a list of local recycling and reuse options, please see below.

What We Do

Recycling Hotline
Recyclepedia
Recyclepedia Smart Phone App
Materials Exchange
Road to Zero Waste School Program

Call the Recycling Hotline

Lower Mainland: 604-RECYCLE (604-732-9253)

British Columbia Toll Free: 1-800-667-4321
Email: hotline@rcbc.ca

BC Recyclepedia Mobile App

Government of British Columbia



B.C. Home > Environment > Waste Management > Recycling > Product Stewardship > Electronics

▶ Organics

- ♥Product Stewardship
- ▶ Beverage Containers
- ▼ Electronics
- ▶ Batteries
- ▼ Cell Phones

Annual Reports Stewardship Plans

- Electronic Equipment and Devices
- Information, Technology and Telecommunications
- Lamp and Lighting Equipment Large Appliances
- Outdoor Power Equipment
- Small Appliances, Tools, Sports and Hobby Equipment
- Smoke and Carbon Monoxide (CO) Alarms
- ▶ Thermostats
- Lead-Acid Batteries
 Packaging and Printed
 Paper
- Paints, Solvents,
 Pesticides & Gasoline
- ▶ Pharmaceuticals
- ▶ Tires

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Cell Phones

Recycle My Cell

What can I recycle?

 Mobile/wireless devices that connect to a cellular or paging networks

Why should I recycle?

By recycling your mobile device, you divert waste from your local landfills and help the environment. You also reduce the need for raw materials to manufacture new products. And your donation generates revenue, which is distributed to various charitable organizations across Canada.

Recycle My Cell (RMC) is a free, national, industry-led, recycling program for mobile devices and accessories.

Where can I recycle?

You can return your old or unwanted devices –regardless of make, brand or condition – to a participating drop-off location. To find a location near you call 1-888-797-1740 or visit: RecycleMyCell.ca

What happens to it?

Batteries and cell phones are separated by type and then forwarded for recycling. The recycling facility processes the reusable metals from the batteries and prepares them for use in new products such a

Stewardship Program

RecycleMyCell.ca

Find a Drop off Location

To find a location near you visit Recycle My Cell or call 1-888-797-1740.

Product Stewardship

Visit the Recycling Council of British Columbia (RCBC) for stewardship programs and updates.

Check the BC Recycling Handbook for a guide on what can be recycled under BC's Product Stewardship Programs.

Useful Contacts

Recycling Council of BC BC Toll Free: 1-800-667-4321 Lower Mainland: 1-604-732-9253 Visit RCBC.ca

Emai

Capital Regional District "My Recyclopedia" Web site



Over 70% of Canadians either own a cell phone or plan to buy one in the future. With an average life span of two years and only 12% of cell phones currently being recycled, too many cell phones are currently ending up in landfills.

Reduce | Reuse | Recycle | Facilities

How do I go green?

Reduce

Resist the urge to upgrade to the latest model and make do with what you have for another season. When selecting a new phone, do some research and choose a robust model that will withstand a few years of use. Choose a green model. Charge your

Reuse

Give your old phone to a friend or family member, offer it online through craigslist or freecycle or donate it to a charitable organization. Keep it as a back up in case of emergency.

Recycle

The Canadian Wireless Telecommunications Association (CWTA) coordinates a nationwide mobile phone recycling and refurbishment program called Recycle My Cell . Most cell phone retailers will accept your old phone and charger back for recycling or go to drop off loactions .

If you don't want to take it into a store, a prepaid shipping label is available through recyclemycell.ca so that you can parcel up your unwanted phone and charger and drop them in the mail. Call2Recycle Call2Recycle is a product stewardship program for cell phones and batteries. Go to www.call2recycle.org for a complete list of free drop off locations. Call2Recycle does not accept cell phone chargers. In the Capital Region, London Drugs, Hartland landfill recycling area, Rogers, Fido, Connect, Sound Advice, Tom Harris Cellular and Project Redial with Canadian Diabetes are some of the facilities that accept used cell phones, batteries and chargers for recycling.

The Environmental Story

Obsolete and unwanted cell phones contribute to the 20-50 million tonnes of e-waste that is disposed of annually worldwide, putting heavy metals and mercury and arsenic into landfills, which can contaminate soil and groundwater. 96% of cell phones are recyclable and many manufacturers, in addition to existing recycling and refurbishment programs, are developing green models which are made of sustainable substances and use less energy.

City of Campbell River



Appendix G

Earth Day Press Release - CWTA

One Old Cell Phone in a Landfill is One Too Many

Recycle My Cell makes it easy for Canadians to do their part for Earth Day 2014

OTTAWA – April 16, 2014 – Recycle My Cell, Canada's free cell phone recycling program, is calling on Canadians from coast to coast to recycle their old cell phones and accessories in support of Earth Day on Tuesday, April 22. Almost 582,000 devices were recovered through the Recycle My Cell program in 2013. Results from the 2013 National Cell Phone Recycling Study released today show that while Canadians replace their wireless device approximately every 30 months, only 10% of survey respondents recycled their old device when they purchased a new one, with 42% putting the old device in storage.

Canadians can participate in Earth Day by visiting the bilingual Web site — www.RecycleMyCell.ca and www.Recyclemoncell.ca — and enter their postal code to locate the 10 drop-off locations closest to them where their old wireless devices will be accepted, regardless of brand or condition. If a consumer cannot get to one of the drop-off locations in their neighborhood, the Web site offers printable postage-paid labels that can be used to mail the device back to Recycle My Cell at absolutely no cost to the consumer.

The Web site also provides information about the program, facts and figures on e-waste, FAQs and links to provincial e-waste management sites. There is also a downloadable brochure and information about how consumers can clear their device of all personal data before dropping it off for recycling.

Other notable findings from the 2013 National Cell Phone Recycling Study include:

- Nearly half of survey respondents (49% nationally) report knowing about cell phone recycling programs.
- Satisfaction of those who utilize the Recycle My Cell continues to be high, with 96% of respondents citing a positive experience.

"Canadians are world leaders in the way they embrace new technology, particularly when it comes to wireless devices," said Bernard Lord, President & CEO of the Canadian Wireless Telecommunications Association (CWTA). "It is also our responsibility to be world leaders in protecting our environment for generations to come. There is simply no reason that an old cell phone should ever end up in a landfill."

All of the processors involved in the Recycle My Cell program are ISO certified or verified to be operating in conformance with the requirements of the Electronics Recycling Standard (ERS), so

they all have environmental management systems in place that guarantee accountability and knowledge of the environmental impacts associated with recycling.

The Recycle My Cell program also supports numerous local and national charities through the proceeds from the recycled devices.

"In recognition of Earth Day, we join in encouraging Canadians to recycle their used mobile devices which will not only help reduce the growing e-waste in Canada's landfills, but also generate much needed funds for mental health initiatives across the country," said Peter Coleridge, National CEO, Canadian Mental Health Association.

Businesses and community organizations can also support the Recycle My Cell program by hosting a drop-off location. Registration is quick and easy and all set-up materials are provided at no cost. For more information, please visit http://www.recyclemycell.ca/host-a-drop-off-location/ or contact info@recyclemycell.ca.

Recycle My Cell was created and is maintained by the Canadian Wireless Telecommunications Association (CWTA) in conjunction with cell phone carriers and handset manufacturers who have come together to raise awareness about the importance of cell phone recycling. The program's partners include: Bell, BlackBerry, Eastlink, GEEP Inc., GREENTEC, LG Electronics Canada, Inc., Lynx Mobility, MTS, Nokia, ProMobility, Rogers Communications, Samsung Electronics Canada Inc., SaskTel, Sims Recycling Solutions, Sony of Canada, Tbaytel, TELUS, Videotron, and Virgin Mobile Canada.

Canadians can contact a Recycle My Cell representative by e-mail at info@recyclemycell.ca, or call toll-free at 1-888-797-1740.

About Recycle My Cell

Recycle My Cell is Canada's national recycling program for mobile phones and accessories. The bilingual Web site – www.RecycleMyCell.ca and www.Recyclemoncell.ca – allows consumers to simply enter their postal code to locate the 10 drop-off locations closest to them where their devices will be accepted, regardless of brand or condition. The free program is run by the Canadian Wireless Telecommunications Association (CWTA), in conjunction with cell phone carriers and handset manufacturers, who have come together to raise awareness about the importance of cell phone recycling.

Follow us on Twitter. Like us on Facebook.

Appendix H

Paid advertising

Facebook Ad

Sponsored 🗐

Create an Ad

Recycle My Cell / Recycle mon cell



Recycle My Cell is Canada's national recycling program for mobile devices and accessories www.recyclemycell.ca

You like Recycle My Cell / Recycle mon cell.

Google Ad

Ads related to cell phone recycling in canada (1)

Recycle Your Cell - recyclemycell.ca

www.recyclemycell.ca/

Recycle My Cell - Canada's National free mobile phone recycling program

Drop-off Locations - Delete Your Personal Information - FAQs - Contact Us

Appendix I

Corporate promotional materials (Web sites, in-store material)





Rogers: Rogers Trade-In





If the latest device is calling your name, or you just want to activate your current device with great monthly savings, we have 3 options designed to give your phone a new life!

See which program is right for you.



GIVE IT

So you've just upgraded? Save up to \$20/month on select Share Everything plans when you bring your own phone to Rogers.

Hand Me Down O

TRADE IT

Ready for your next phone? Use the value of your current phone to make upgrading easy.

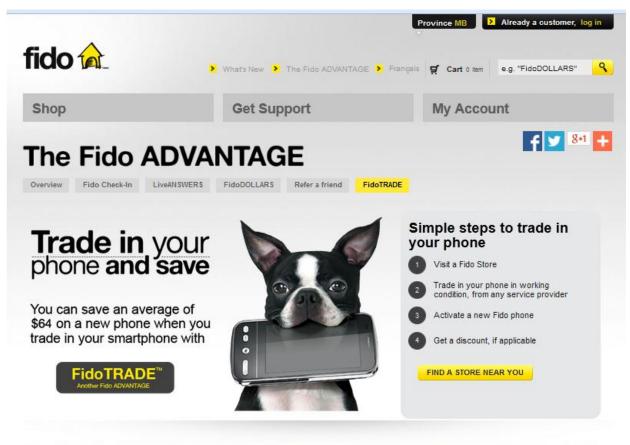
Trade-Up Program •

BRING IT

Have an unlocked phone? Save up to \$20/month* when you activate your own phone on select Share Everything plans.*

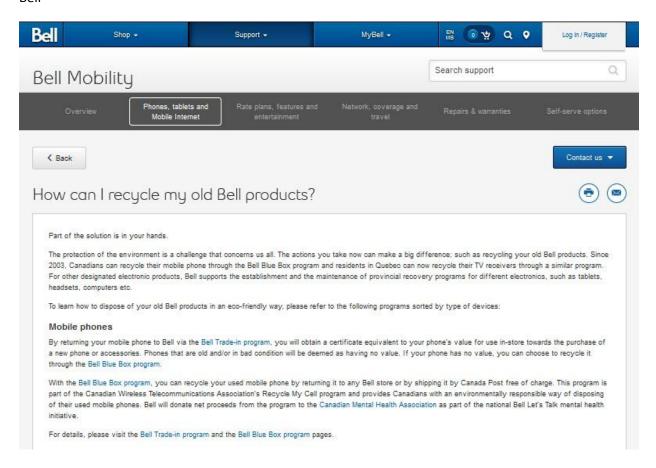
Bring Your Own O

Fido: FidoTrade

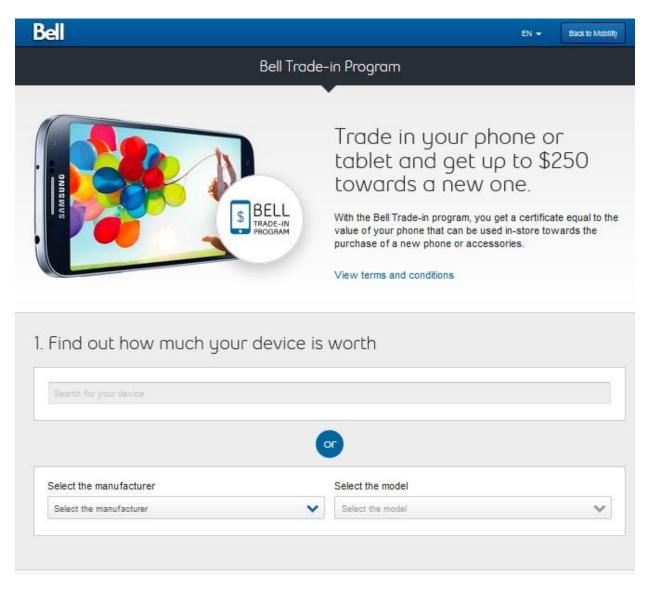


Fido now takes back any used phone with the battery. You'll get a credit equivalent to your used phone's value, if applicable, for use in-store on the cost of your new phone or accessories. The FidoTRADE™ program is available when you buy and activate a new Fido phone - even on a Prepaid plan.

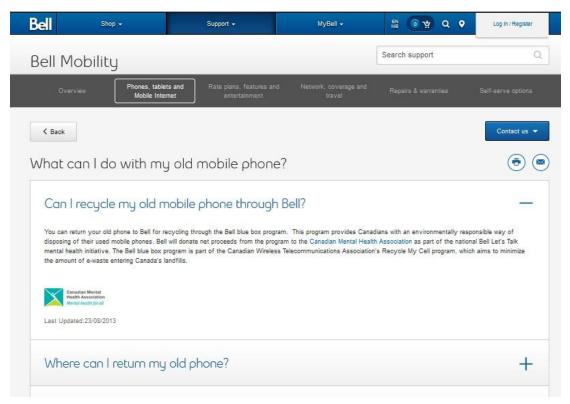
Bell



Bell: Bell Trade-in

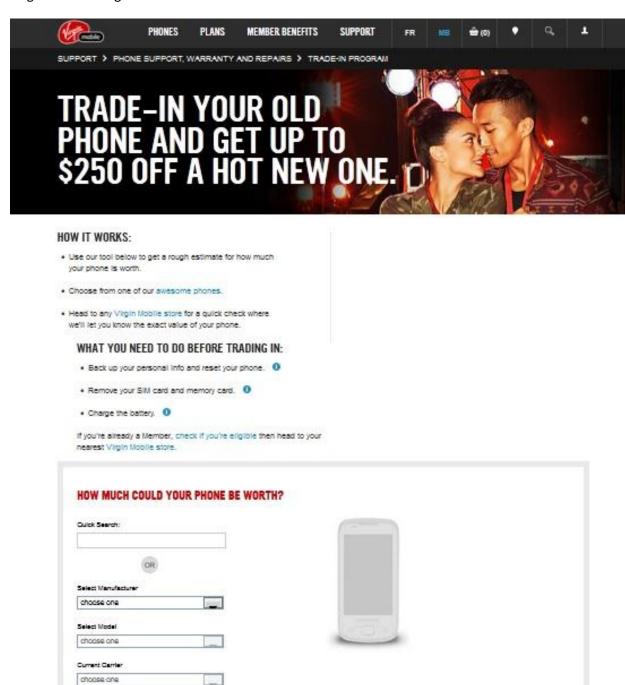


Bell: Bell blue box





Virgin Mobile: Virgin Mobile Trade-in



Virgin Mobile: Virgin Mobile Recycle



WHAT SHOULD I DO BEFORE RECYCLING MY OLD PHONE?

Before you send your phone off for recycling, here's a few things you'll need to do:

- Cancel your mobile service and pay your final bill in full or transfer your mobile service to your new phone. You can use the free Cell Phone Data Eraser by Recycle My Cell to help clear your data.
- . Erase any personal information from your device, including text messages, contacts and personal files.
- . Remove your SIM Card (if there's one).

WHERE CAN I RETURN MY OLD PHONE?

You have 2 options to recycle your old phone in an environmentally safe way and get one step closer to a cleaner world:

- 1. Visit a Virgin Mobile Store
 - Visit a Virgin Mobile store.

 No matter what brand or company your phone is from, you can head to any Virgin Mobile store and drop it off with a Virgin Mobile sales rep. You can also return accessories like headsets, chargers and old batteries.
- 2. Mail it in (It's free!)

You can send your old mobile phone, batteries and accessories by Canada Post free of charge. Here's how to do it:

- . Wrap your phone, accessories and/or batteries in protective material, like newspaper.
- . Place them in a box and seal it firmly with packing tape.
- Get the free Canada Post return label using the Canada Post Return ID Number PR146848, print it, cut it out and affix it to your package with clear tape. Make sure that the barcode does not wrap around edges or corners. Do not cover up any information on the label.
- . Drop the box off at any Canada Post mailbox or postal outlet.

WHAT HAPPENS TO RECYCLED PHONES?



Before we do anything to the donated phones we make sure they're cleared of any data. Next, we select phones that can be refurbished and given a new home. The remaining phones are recycled in Canada in compliance with Canadian regulations and all net proceeds will be donated to the Canadian Mental Health Association (CMHA).



related answers: Recycling / Environmental Fees . Activating your shiny new phone

The Source: The Source Trade-up















Search for Products



TRADE-UP & SAVE

It's easy to upgrade to the hot new phone you really want with Trade-Up and Save at The Source! Just bring your current device to any The Source location to get a quote, and you'll get a Gift Card equal to your phone's current trade-in value. Then it's as easy as putting your Gift Card towards a brand new smartphone or virtually any other tech in the store!



What should I do before I bring my phone in?

You! As long as you're 18 or older and are the legal owner
There are a couple of things you should take care of before bringing us your current device:

- . Make sure to back up all of your contacts, photos, apps and information so you can transfer it to your new phone
- The value of your phone depends on its make and model, . Perform a factory reset after your files are safe so that none of your personal info is left on the phone before you trade it in
 - . Be sure to disable any iCloud or Find My Phone functions, or your phone will be appraised at \$0 - and no one wants that!

Who can trade in phones at The Source?

of the phone you're trading in, of course.

How are trade-in values estimated?

and we'll also take a look to make sure that it's in good working order (no liquid damage, screen's in one piece... that sort of thing).

The Source: The Source Recycle





Net proceeds from recycling your old phone support the Canadian Mental Health Association



Overview

The Source is groud to join the Recycle My Cell programs, making it easier for you to dispose of your used wheless device responsibly.

You can now drop-off your old mobile phones at any The Source store scross Cleneds — regardess of brand or condition. And if you can't come to one of our locations, we'll glady accept your device through the mail, free of charge.

Why recycle? Keeping your cell phone out of the local landfill heigs the environment and suggests some great causes. A small effort on your part, makes a big difference.

Did you know?

- . 72% of Canadians either own a cell phone or plan to buy one in the near future
- The average consumer keeps their device for approximately 2 years and 7 months
- Only 12% of used mobile devices in Canada are currently being recycled, the rest are stored, sold, gifted or thrown out.
- . There are thousands of cell phone recycling drop-off sites scross Canada
- About 95% of the materials in an average mobile device are recyclable.
- Every year, 20 to 50 million metric tons of E-waste are disposed of worldwide

Recycle My Cell National Infograph



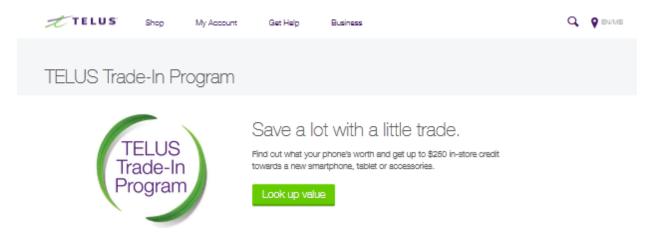
What you should know before recycling your device

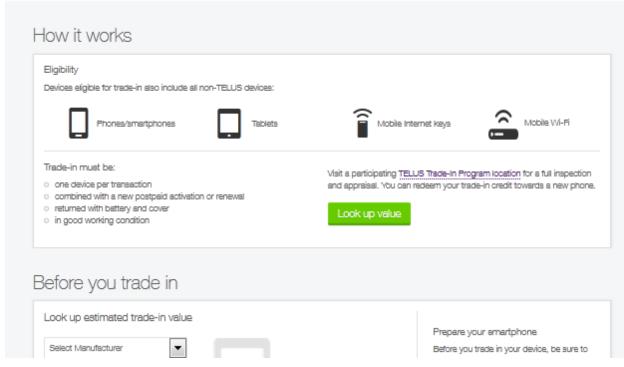
Before you mail or bring your mobile devices to a drop-off location, please ensure that:

- 1. The account for the device has been fully gaid and service has been deactivated.
- Any headsels and chargers for the device are included with your donation (These accessories also contain recyclable and salvageable materials).
- 2. The SIM card is removed if there is one.
- If maling your used device, be sure that the device and its accessories are packaged in a box or envelope using protective materials and securely attach a label to the box or envelope with its barcode visible.
- Any personal information is ensised from your device, including text messages, contacts and personal files. You can use the Cell Phone
 Calls Ensirer by Recycle My Cell (svalisble for free), to help ensure your data has been cleaned. Phones cannot be recisimed at a later data.

Click here to grint a gre-gaid shipping label offered by several Recycle My Cell gartners.

TELUS: TELUS Trade-in





BlackBerry: BlackBerry Recycle

BlackBerry recycling

BlackBerry offers a variety of options for customers to responsibly dispose of BlackBerry devices that have reached the end of their useful life.

- Learn more about BlackBerry recycling

The BlackBerry Recycling Program enables customers in most U.S. states to responsibly recycle BlackBerry smartphones, tablets and associated accessories.

. Learn about the BlackBerry Recycling Program

The BlackBerry® Trade Up Program is another sustainable alternative for those looking to upgrade their smartphone, offering customers an environmentally friendly solution for their e-waste. Customers are encouraged to mail back their used devices, and in doing so, will receive credit on the purchase of a new BlackBerry smartphone. Devices returned in good condition are refurbished, which will further extend the life of the product through resale and reuse. All devices not suitable for resale are responsibly and safely recycled. This program is currently available in the U.S., Canada, Mexico, the U.K., Germany, Australia, the Philippines, Indonesia and the Cayman Islands, with ongoing efforts to include more countries.

Learn more about the BlackBerry Trade Up Program.

We recommend that our customers in other locations check with their local governments about how to properly dispose of e-waste.

BlackBerry is a voluntary participant in the Rechargeable Battery Recycling Corporation's (RBRC) Call2Recycle® program. Participation in this program facilitates responsible governance throughout the entire product life cycle.

- Learn about Call2Recycle US
- Leam about Call2Recycle Canada

BlackBerry also participates in Recycle My Cell, a Canadian industry initiative. This program works to minimize the amount of e-waste entering Canada's landfills by raising awareness of where customers can drop off mobile devices to be recycled.

Find out more about Recycle My Cell



Microsoft: Microsoft Recycle



3 simple steps to recycle your old phone

Always return your used electronic products, batteries, and packaging materials to dedicated collection points. This way you help prevent uncontrolled waste disposal and promote the recycling of materials.



Get over your old phone

Saying goodbye to your old phone might be hard but it's worth it. If every mobile phone user recycled just one phone, together we would save nearly 240,000 tonnes of raw materials.



Back up your memories

We recommend saving your contacts, texts, photos, music and videos to your computer before saying goodbye. (Find instructions here.)

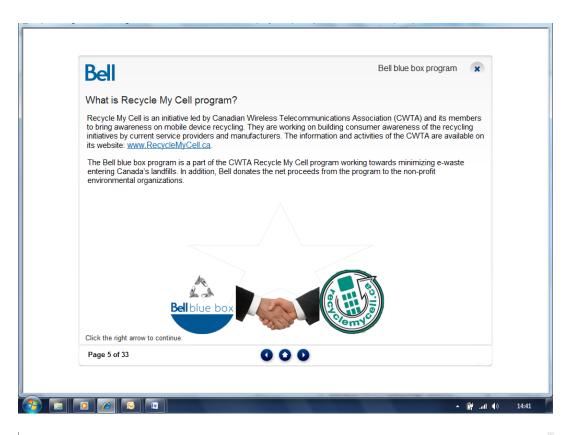


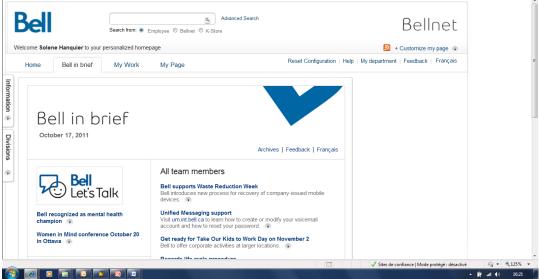
Set your old phone free - recycle it!

You can recycle your old mobile device via the Recycle My Cell program.

Appendix J

Bell on-line module





Appendix K

List of current drop-off locations in British Columbia

Number	Program/Organizatio n	Store/Location Name	Municipality/ Unincorporated Area	Regional District	
1	Bell	The Source	Port Alberni	Alberni-Clayoquot	
2	TELUS	Tom Harris Cellular Ltd.	Port Alberni	Alberni-Clayoquot	
3	TELUS	Par 3 Sports-In-Motion Ltd.	Fraser Lake	Bulkley-Nechako	
4	TELUS	Mike's Audio Video Ltd.	Houston	Bulkley-Nechako	
5	Bell	The Source	Smithers	Bulkley-Nechako	
6	TELUS	Totem Audio Video Ltd.	Smithers	Bulkley-Nechako	
7	TELUS	Bird on a Wire Media & More	Vanderhoof	Bulkley-Nechako	
8	Bell	Virgin Mobile	Langford	Capital	
9	Bell	Bell	Langford	Capital	
10	Bell	Virgin Mobile	Saanich	Capital	
11	Bell	Feel Like Talking Connections Ltd.	Saanich	Capital	
12	Bell	Feel Like Talking Connections Ltd.	Saanich	Capital	
13	TELUS	Tom Harris Cellular Ltd.	Sidney	Capital	
14	Bell	The Source	Sooke	Capital	
15	Bell	Bell	Victoria	Capital	
16	Bell	The Source	Victoria	Capital	
17	Bell	Virgin Mobile	1obile Victoria		
18	Bell	Bell	Victoria	Capital	
19	Bell	The Source	Victoria	Capital	
20	Bell	Virgin Mobile	Victoria	Capital	
21	Bell	The Source	Victoria	Capital	
22	Bell	Bell	Victoria	Capital	
23	Bell	The Source	Victoria	Capital	
24	Bell	Virgin Mobile	Victoria	Capital	
25	Bell	The Source	Victoria	Capital	
26	Rogers	Rogers	Victoria	Capital	
27	Rogers	Rogers	Victoria	Capital	
28	Rogers	Rogers	Victoria	Capital	
29	Rogers	Rogers	Victoria	Capital	
30	Rogers	Fido	Victoria	Capital	
31	TELUS	TELUS	Victoria	Capital	
32	TELUS	Tom Harris Cellular Ltd.	Victoria	Capital	
33	TELUS	TELUS	Victoria	Capital	
34	TELUS	McKays TV and Audio	Victoria	Capital	
35	TELUS	Tom Harris Cellular Ltd.	Victoria	Capital	

36	TELUS	TELUS	Victoria	Capital
37	TELUS	TELUS	Victoria	Capital
38	TELUS	TELUS	Victoria	Capital
39	TELUS	Victoria Mobile Radio Ltd.	Victoria	Capital
40	TELUS	TELUS	Victoria	Capital
41	TELUS	Ralph's Radio Ltd.	Victoria	Capital
42	Bell	The Source	100 Mile House	Cariboo
43	Recycle My Cell	Gold Trail Recycling Ltd	100 Mile House	Cariboo
44	TELUS	Andre's T.V. Sales & Service Ltd.	100 Mile House	Cariboo
45	Bell	The Source	Quesnel	Cariboo
46	TELUS	A.B.C. Allen Business Communications Ltd.	Quesnel	Cariboo
47	Bell	The Source	Williams Lake	Cariboo
48	TELUS	Andre's T.V. Sales & Service Ltd.	Williams Lake	Cariboo
49	TELUS	Thomas Communications Ltd.	Williams Lake	Cariboo
50	Bell	The Source	Castlegar	Central Kootenay
51	TELUS	Andre's T.V. Sales & Service Ltd.	Castlegar	Central Kootenay
52	Bell	The Source	Creston	Central Kootenay
53	TELUS	Lectric Avenue Electronics	Creston	Central Kootenay
54	Bell	The Source	Nelson	Central Kootenay
55	TELUS	Andre's T.V. Sales & Service Ltd.	Nelson	Central Kootenay
56	TELUS	SK Electronics	Nelson	Central Kootenay
57	Bell	The Source	Kelowna	Central Okanagan
58	Bell	Bell	Kelowna	Central Okanagan
59	Bell	The Source	Kelowna	Central Okanagan
60	Bell	Virgin Mobile	Kelowna	Central Okanagan
61	Bell	Bell	Kelowna	Central Okanagan
62	TELUS	Pacific Coastcom Communications Inc.	Kelowna	Central Okanagan
63	TELUS	Andre's T.V. Sales & Service Ltd.	Kelowna	Central Okanagan
64	TELUS	TELUS	Kelowna	Central Okanagan
65	TELUS	Tom Harris Cellular Ltd.	Kelowna	Central Okanagan
66	TELUS	Andre's Electronic Experts	Kelowna	Central Okanagan
67	TELUS	Tom Harris Cellular Ltd.	Kelowna	Central Okanagan
68	TELUS	Tom Harris Cellular Ltd.	West Kelowna	Central Okanagan
69	Bell	The Source	Westbank (West Kelowna)	Central Okanagan
70	TELUS	Andre's T.V. Sales & Service Ltd.	Westbank (West Kelowna)	Central Okanagan
71	Bell	The Source	Golden	Columbia-Shuswap
72	Bell	The Source	Revelstoke	Columbia-Shuswap
73	TELUS	Revelstoke Mobility	Revelstoke	Columbia-Shuswap
74	Bell	The Source	Salmon Arm	Columbia-Shuswap

75	TELUS	Pacific Coastcom Communications Inc.	Salmon Arm	Columbia-Shuswap		
76	TELUS	Tom Harris Cellular Ltd.	Salmon Arm	Columbia-Shuswap		
77	Bell	The Source	ource Courtenay (
78	TELUS	Tom Harris Cellular Ltd.	Courtenay	Comox		
79	TELUS	McKays TV and Audio	Courtenay	Comox		
80	TELUS	Open Connection Ltd.	Courtenay	Comox		
81	Bell	The Source	Duncan	Cowichan Valley		
82	Rogers	Rogers	Duncan	Cowichan Valley		
83	TELUS	Cowichan Sound & Cellular Ltd.	Duncan	Cowichan Valley		
84	TELUS	Cowichan Sound & Cellular Ltd.	Duncan	Cowichan Valley		
85	Bell	The Source	Ladysmith	Cowichan Valley		
86	Bell	The Source	Cranbrook	East Kootenay		
87	Bell	Bell	Cranbrook	East Kootenay		
88	Rogers	Rogers	Cranbrook	East Kootenay		
89	TELUS	Andre's T.V. Sales & Service Ltd.	Cranbrook	East Kootenay		
90	TELUS	Mitech Communications Inc.	Cranbrook	East Kootenay		
91	TELUS	Kootenay Communications Ltd.	Cranbrook	East Kootenay		
92	Bell	The Source	Fernie	East Kootenay		
93	Bell	The Source	Invermere	East Kootenay		
94	TELUS	Selkirk Cellulars	Invermere	East Kootenay		
95	TELUS	Sparwood Communications	Sparwood	East Kootenay		
96	Bell	The Source	Abbotsford	Fraser Valley		
97	Bell	Virgin Mobile	Abbotsford	Fraser Valley		
98	Bell	Bell	Abbotsford	Fraser Valley		
99	Bell	The Source	Abbotsford	Fraser Valley		
100	Bell	Virgin Mobile	Abbotsford	Fraser Valley		
101	Rogers	Rogers	Abbotsford	Fraser Valley		
102	Recycle My Cell	Ryan's PC Repair Shop	Abbotsford	Fraser Valley		
103	TELUS	Western Mobile Communications Inc.	Abbotsford	Fraser Valley		
104	TELUS	Clearwest Solutions Inc.	Abbotsford	Fraser Valley		
105	TELUS	TELUS	Abbotsford	Fraser Valley		
106	TELUS	Apex Communications Inc.	Abbotsford	Fraser Valley		
107	Bell	Virgin Mobile	Chilliwack	Fraser Valley		
108	Bell	The Source	Chilliwack	Fraser Valley		
109	Bell	Bell	Chilliwack	Fraser Valley		
110	Bell	The Source	Chilliwack	Fraser Valley		
111	TELUS	TELUS	Chilliwack	Fraser Valley		
112	TELUS	Clearwest Solutions Inc.	Chilliwack	Fraser Valley		
113	TELUS	Tom Harris Cellular Ltd.	Chilliwack	Fraser Valley		
114	Bell	The Source	Mission	Fraser Valley		

115	TELUS	Tom Harris Cellular Ltd.	Mission	Fraser Valley		
116	TELUS	Tom Harris Cellular Ltd.	Harris Cellular Ltd. Mission			
117	Bell	Feel Like Talking Connections Ltd.	Fraser Valley			
118		Par-Ten Products Ltd.	Fraser-Fort George			
119	Recycle My Cell	McBride Bottle Depot	Fraser-Fort George			
120	Bell	Bell	Prince George	Fraser-Fort George		
121	Bell	The Source	Prince George	Fraser-Fort George		
122	Bell	Virgin Mobile	Prince George	Fraser-Fort George		
123	Rogers	Rogers	Prince George	Fraser-Fort George		
124	TELUS	BK Two Way Radio Ltd.	Prince George	Fraser-Fort George		
125	TELUS	Andre's T.V. Sales & Service Ltd.	Prince George	Fraser-Fort George		
126	TELUS	TELUS	Prince George	Fraser-Fort George		
127	TELUS	BK Two Way Radio Ltd.	Prince George	Fraser-Fort George		
128	TELUS	BK Two Way Radio Ltd.	Prince George	Fraser-Fort George		
129	TELUS	Tom Harris Cellular Ltd.	Aldergrove (unincorporated area)	Greater Vancouver		
130	Bell	Bell	Burnaby	Greater Vancouver		
131	Bell	The Source	Burnaby	Greater Vancouver		
132	Bell	Virgin Mobile	Burnaby	Greater Vancouver		
133	Bell	Bell	Burnaby	Greater Vancouver		
134	Bell	Bell	Burnaby	Greater Vancouver		
135	Bell	The Source	Burnaby	Greater Vancouver		
136	Bell	Virgin Mobile	Burnaby	Greater Vancouver		
137	Bell	Virgin Mobile	Burnaby	Greater Vancouver		
138	Bell	Bell	Burnaby	Greater Vancouver		
139	Bell	Bell	Burnaby	Greater Vancouver		
140	Bell	Virgin Mobile	Burnaby	Greater Vancouver		
141	Bell	Bell	Burnaby	Greater Vancouver		
142	Bell	The Source	Burnaby	Greater Vancouver		
143	Rogers	Fido	Burnaby	Greater Vancouver		
144	Rogers	Rogers	Burnaby	Greater Vancouver		
145	Rogers	Fido	Burnaby	Greater Vancouver		
146	Rogers	Fido	Burnaby	Greater Vancouver		
147	Rogers	Fido	Burnaby	Greater Vancouver		
148	Rogers	Rogers	Burnaby	Greater Vancouver		
149	Recycle My Cell	Telecommunications Workers Union	Burnaby	Greater Vancouver		
150	TELUS	Pacific Coastcom Communications Inc.	Burnaby	Greater Vancouver		
151	TELUS	Apex Communications Inc.	Burnaby	Greater Vancouver		
152	TELUS	TELUS	Burnaby	Greater Vancouver		
153	TELUS	Easylink Communications Ltd.	Burnaby Greater Vancou			

154	TELUS	TELUS	Burnaby	Greater Vancouver		
155	TELUS	TELUS	Burnaby			
156	TELUS	TELUS	Burnaby	Greater Vancouver		
157	Bell	Bell	Coquitlam	Greater Vancouver		
158	Bell	The Source	Coquitlam	Greater Vancouver		
159	Bell	Virgin Mobile	Coquitlam	Greater Vancouver		
160	Rogers	Fido	Coquitlam	Greater Vancouver		
161	Rogers	Rogers	Coquitlam	Greater Vancouver		
162	TELUS	Open Connection Ltd.	Coquitlam	Greater Vancouver		
163	TELUS	TELUS	Coquitlam	Greater Vancouver		
164	TELUS	Tom Harris Cellular Ltd.	Coquitlam	Greater Vancouver		
165	Bell	The Source	Delta	Greater Vancouver		
166	Bell	Bell	Delta	Greater Vancouver		
167	Bell	Bell	Delta	Greater Vancouver		
168	Bell	The Source	Delta	Greater Vancouver		
169	Bell	Virgin Mobile/Wireless Strategies	Delta	Greater Vancouver		
170	TELUS	Open Connection Ltd.	Delta	Greater Vancouver		
171	TELUS	Open Connection Ltd.	Delta	Greater Vancouver		
172	TELUS	TELUS	Delta	Greater Vancouver		
173	Bell	Bell	Langley	Greater Vancouver		
174	Bell	Virgin Mobile	Langley	Greater Vancouver		
175	Bell	Bell	Langley	Greater Vancouver		
176	Bell	The Source	Langley	Greater Vancouver		
177	Rogers	Fido	Langley	Greater Vancouver		
178	Rogers	Rogers	Langley	Greater Vancouver		
179	TELUS	Apex Communications Inc.	Langley	Greater Vancouver		
180	TELUS	TELUS	Langley	Greater Vancouver		
181	TELUS	Clearwest Solutions Inc.	Langley	Greater Vancouver		
182	TELUS	Clearwest Solutions Inc.	Langley	Greater Vancouver		
183	TELUS	Clearwest Solutions Inc.	Langley	Greater Vancouver		
184	Bell	Bell	Maple Ridge	Greater Vancouver		
185	Bell	The Source	Maple Ridge	Greater Vancouver		
186	Bell	Virgin Mobile	Maple Ridge	Greater Vancouver		
187	TELUS	Countrywide Communications Inc.	Maple Ridge	Greater Vancouver		
188	TELUS	Countrywide Communications Inc.	Maple Ridge	Greater Vancouver		
189	Bell	The Source	New Westminster	Greater Vancouver		
190	Bell	Virgin Mobile	New Westminster	Greater Vancouver		
191	Bell	Bell	New Westminster	Greater Vancouver		
192	TELUS	TELUS	New Westminster	Greater Vancouver		
193	Bell	Bell	North Vancouver Greater Vanco			

194	Bell	The Source	North Vancouver	Greater Vancouver
195	Bell	Bell	North Vancouver	Greater Vancouver
196	Bell	Virgin Mobile	North Vancouver	Greater Vancouver
197	Recycle My Cell	Capilano Suspension Bridge	North Vancouver	Greater Vancouver
198	Rogers	Rogers	North Vancouver	Greater Vancouver
199	Rogers	Rogers	North Vancouver	Greater Vancouver
200	TELUS	TELUS	North Vancouver	Greater Vancouver
201	TELUS	Tom Harris Cellular Ltd.	North Vancouver	Greater Vancouver
202	TELUS	Open Connection Ltd.	North Vancouver	Greater Vancouver
203	TELUS	TELUS	North Vancouver	Greater Vancouver
204	Bell	Bell	Pitt Meadows	Greater Vancouver
205	TELUS	Tom Harris Cellular Ltd.	Pitt Meadows	Greater Vancouver
206	Rogers	Rogers	Port Coquitlam	Greater Vancouver
207	TELUS	Apex Communications Inc.	Port Coquitlam	Greater Vancouver
208	TELUS	Tom Harris Cellular Ltd.	Port Coquitlam	Greater Vancouver
209	Bell	Virgin Mobile	Richmond	Greater Vancouver
210	Bell	Bell	Richmond	Greater Vancouver
211	Bell	Virgin Mobile	Richmond	Greater Vancouver
212	Bell	Bell	Richmond	Greater Vancouver
213	Bell	The Source	Richmond	Greater Vancouver
214	Bell	Bell	Richmond	Greater Vancouver
215	Rogers	Rogers	Richmond	Greater Vancouver
216	Rogers	Fido	Richmond	Greater Vancouver
217	Recycle My Cell	Steveston Bottle Depot Ltd.	Richmond	Greater Vancouver
218	TELUS	Apex Communications Inc.	Richmond	Greater Vancouver
219	TELUS	Tom Harris Cellular Ltd.	Richmond	Greater Vancouver
220	TELUS	TELUS	Richmond	Greater Vancouver
221	Bell	Feel Like Talking Connections Ltd.	Surrey	Greater Vancouver
222	Bell	Virgin Mobile	Surrey	Greater Vancouver
223	Bell	Bell	Surrey	Greater Vancouver
224	Bell	Virgin Mobile	Surrey	Greater Vancouver
225	Bell	The Source	Surrey	Greater Vancouver
226	Bell	Virgin Mobile	Surrey	Greater Vancouver
227	Bell	Bell	Surrey	Greater Vancouver
228	Bell	Bell	Surrey	Greater Vancouver
229	Bell	Virgin Mobile/One Touch Wireless	Surrey	Greater Vancouver
230	Bell	Bell	Surrey	Greater Vancouver
231	Bell	The Source	Surrey	Greater Vancouver
232	Bell	The Source	Surrey	Greater Vancouver
233	Bell	Bell	Surrey	Greater Vancouver
				•

234	Bell	Virgin Mobile	Surrey	Greater Vancouver	
235	Bell	Virgin Mobile Surrey		Greater Vancouver	
236	Bell	Bell	Surrey	Greater Vancouver	
237	Recycle My Cell	Freedom Wireless Ltd.	Surrey	Greater Vancouver	
238	Rogers	Rogers	Surrey	Greater Vancouver	
239	Rogers	Fido	Surrey	Greater Vancouver	
240	TELUS	TELUS	Surrey	Greater Vancouver	
241	TELUS	Apex Communications Inc.	Surrey	Greater Vancouver	
242	TELUS	Tom Harris Cellular Ltd.	Surrey	Greater Vancouver	
243	TELUS	TELUS	Surrey	Greater Vancouver	
244	TELUS	Tom Harris Cellular Ltd.	Surrey	Greater Vancouver	
245	TELUS	TELUS	Surrey	Greater Vancouver	
246	TELUS	Tom Harris Cellular Ltd.	Surrey	Greater Vancouver	
247	TELUS	Open Connection Ltd.	Surrey	Greater Vancouver	
248	Bell	Bell	Vancouver	Greater Vancouver	
249	Bell	Virgin Mobile	Vancouver	Greater Vancouver	
250	Bell	Bell	Vancouver	Greater Vancouver	
251	Bell	Virgin Mobile	Vancouver	Greater Vancouver	
252	Bell	Bell	Vancouver	Greater Vancouver	
253	Bell	Bell	Vancouver	Greater Vancouver	
254	Bell	Bell	Vancouver	Greater Vancouver	
255	Bell	The Source	Vancouver	Greater Vancouver	
256	Bell	The Source	Vancouver	Greater Vancouver	
257	Bell	Virgin Mobile	Vancouver	Greater Vancouver	
258	Bell	The Source	Vancouver	Greater Vancouver	
259	Bell	Bell	Vancouver	Greater Vancouver	
260	Bell	Virgin Mobile	Vancouver	Greater Vancouver	
261	Bell	Bell	Vancouver	Greater Vancouver	
262	Bell	Virgin Mobile	Vancouver	Greater Vancouver	
263	Bell	Bell	Vancouver	Greater Vancouver	
264	Recycle My Cell	PC Galore Consignment Ltd.	Vancouver	Greater Vancouver	
265	Rogers	Rogers	Vancouver	Greater Vancouver	
266	Rogers	Rogers	Vancouver	Greater Vancouver	
267	Rogers	Rogers	Vancouver	Greater Vancouver	
268	Rogers	Fido	Vancouver	Greater Vancouver	
269	Rogers	Rogers	Vancouver	Greater Vancouver	
270	Rogers	Fido	Vancouver	Greater Vancouver	
271	Rogers	Fido	Vancouver	Greater Vancouver	
272	Rogers	Rogers	Vancouver	Greater Vancouver	
273	Rogers	Fido	Vancouver	Greater Vancouver	
274	Rogers	Rogers	Vancouver	Greater Vancouver	

275	TELUS	Apex Communications Inc.	Vancouver	Greater Vancouver
276	TELUS	TELUS		
277	TELUS	Tom Harris Cellular Ltd.	Greater Vancouver	
278	TELUS	Ralph's Radio Ltd.	Vancouver	Greater Vancouver
279	TELUS	Clearwest Solutions Inc.	Vancouver	Greater Vancouver
280	TELUS	TELUS	Vancouver	Greater Vancouver
281	TELUS	Caya powered by TELUS	Vancouver	Greater Vancouver
282	TELUS	Tom Harris Cellular Ltd.	Vancouver	Greater Vancouver
283	TELUS	Countrywide Communications Inc.	Vancouver	Greater Vancouver
284	TELUS	TELUS	Vancouver	Greater Vancouver
285	TELUS	TELUS	Vancouver	Greater Vancouver
286	TELUS	TELUS	Vancouver	Greater Vancouver
287	TELUS	Caya powered by TELUS	Vancouver	Greater Vancouver
288	TELUS	Caya powered by TELUS	Vancouver	Greater Vancouver
289	Bell	The Source	West Vancouver	Greater Vancouver
290	Bell	Bell	West Vancouver	Greater Vancouver
291	Bell	Virgin Mobile	West Vancouver	Greater Vancouver
292	Rogers	Fido	West Vancouver	Greater Vancouver
293	TELUS	TELUS	West Vancouver	Greater Vancouver
294	Bell	The Source	Kitimat	Kitimat-Stikine
295	TELUS	Skeena Sight & Sound LTD	Kitimat	Kitimat-Stikine
296	Bell	The Source	Terrace	Kitimat-Stikine
297	TELUS	EF Holdings Ltd.	Terrace	Kitimat-Stikine
298	TELUS	Skeena Sight & Sound LTD	Terrace	Kitimat-Stikine
299	TELUS	Skeena Sight & Sound LTD	Terrace	Kitimat-Stikine
300	Bell	The Source	Trail	Kootenay-Boundary
301	TELUS	BV Communications Ltd.	Trail	Kootenay-Boundary
302	TELUS	Rock Island Tape Centre Ltd.	Trail	Kootenay-Boundary
303	TELUS	Hardy Sound Ltd.	Port Hardy	Mount Waddington
304	Bell	The Source	Nanaimo	Nanaimo
305	Bell	Bell	Nanaimo	Nanaimo
306	Bell	Virgin Mobile	Nanaimo	Nanaimo
307	Bell	Bell	Nanaimo	Nanaimo
308	Bell	The Source	Nanaimo	Nanaimo
309	Bell	Virgin Mobile	Nanaimo	Nanaimo
310	Rogers	Rogers	Nanaimo	Nanaimo
311	TELUS	Tom Harris Cellular Ltd.	Nanaimo	Nanaimo
312	TELUS	Open Connection Ltd.	Nanaimo	Nanaimo
313	TELUS	McKays TV and Audio	Nanaimo	Nanaimo
314	TELUS	Open Connection Ltd.	Nanaimo	Nanaimo

315	TELUS	Tom Harris Cellular Ltd.	Nanaimo	Nanaimo
316	TELUS	TELUS	Nanaimo	Nanaimo
317	Bell	The Source	Parksville	Nanaimo
318	TELUS	Tom Harris Cellular Ltd.	Parksville	Nanaimo
319	TELUS	Andre's Electronic Experts	Armstrong	North Okanagan
320	Bell	Bell	_	
	_		Vernon	North Okanagan
321	Bell	The Source	Vernon	North Okanagan
322	TELUS	Andre's T.V. Sales & Service Ltd.	Vernon	North Okanagan
323	TELUS	Tom Harris Cellular Ltd.	Vernon	North Okanagan
324	TELUS	Pacific Coastcom Communications Inc.	Vernon	North Okanagan
325	TELUS	Andre's T.V. Sales & Service Ltd.	Vernon	North Okanagan
326	TELUS	Petron Communications Ltd.	Fort Nelson (Northern Rockies Regional Municipality)	Northern Rockies
327	Bell	The Source	Oliver	Okanagan- Similkameen
328	Recycle My Cell	T2 Market Ltd.	Oliver	Okanagan- Similkameen
329	TELUS	Tom Harris Cellular Ltd.	Oliver	Okanagan- Similkameen
330	Bell	The Source	Osoyoos	Okanagan- Similkameen
331	Bell	The Source	Penticton	Okanagan- Similkameen
332	Bell	Virgin Mobile	Penticton	Okanagan- Similkameen
333	Bell	Bell	Penticton	Okanagan- Similkameen
334	TELUS	Tom Harris Cellular Ltd.	Penticton	Okanagan- Similkameen
335	TELUS	Pacific Coastcom	Penticton	Okanagan-
22.5		Communications Inc.	5	Similkameen
336	TELUS	Andre's T.V. Sales & Service Ltd.	Penticton	Okanagan- Similkameen
337	TELUS	Andre's T.V. Sales & Service Ltd.	Penticton	Okanagan- Similkameen
338	Bell	The Source	Summerland	Okanagan- Similkameen
339	TELUS	Cardinal Telecom Inc.	Chetwynd	Peace River
340	Bell	The Source	Dawson Creek	Peace River
341	Bell	Bell	Dawson Creek	Peace River
342	Bell	Bell	Dawson Creek	Peace River
343	TELUS	DC Digital Audio Connections Ltd.	Dawson Creek	Peace River
344	TELUS	Gearjammer Electronics Ltd.	Dawson Creek	Peace River
345	TELUS	Petron Communications Ltd.	Dawson Creek	Peace River
346	Bell	The Source	Fort St. John	Peace River
347	Bell	T&T COMMUNICATIONS	Fort St. John	Peace River
348	Bell	T&T COMMUNICATIONS	Fort St. John	Peace River
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349	TELUS	Petron Communications Ltd.	Fort St. John	Peace River
350	TELUS	Custom Communications Corp.	Fort St. John	Peace River
351	Bell	The Source	Powell River	Powell River
352	TELUS	Tom Harris Cellular Ltd.	Powell River	Powell River
353	Bell	The Source	Prince Rupert	Skeena-Queen Charlotte
354	TELUS	Andre's Electronic Experts	Prince Rupert	Skeena-Queen Charlotte
355	TELUS	VirtualHelp Electronics	Lillooet	Squamish-Lillooet
356	Bell	The Source	Squamish	Squamish-Lillooet
357	TELUS	Tom Harris Cellular Ltd.	Squamish	Squamish-Lillooet
358	TELUS	TELUS	Whistler	Squamish-Lillooet
359	Bell	The Source	Campbell River	Strathcona
360	TELUS	McKays TV and Audio	Campbell River	Strathcona
361	TELUS	Quinsam Radio Communications Ltd.	Campbell River	Strathcona
362	TELUS	Quinsam Radio Communications Ltd.	Campbell River	Strathcona
363	TELUS	North Island Communications Inc.	Campbell River	Strathcona
364	TELUS	Suncoast Cellular Ltd.	Gibsons	Sunshine Coast
365	Bell	The Source	Sechelt (Ind Gov Dist (Part- Sunshine Coast))	Sunshine Coast
366	TELUS	Suncoast Cellular Ltd.	Sechelt (District Municipality)	Sunshine Coast
367	Bell	The Source	Kamloops	Thompson-Nicola
368	Bell	The Source	Kamloops	Thompson-Nicola
369	Bell	Virgin Mobile	Kamloops	Thompson-Nicola
370	Bell	Bell	Kamloops	Thompson-Nicola
371	Bell	Bell	Kamloops	Thompson-Nicola
372	Bell	The Source	Kamloops	Thompson-Nicola
373	TELUS	Tom Harris Cellular Ltd.	Kamloops	Thompson-Nicola
374	TELUS	Andre's T.V. Sales & Service Ltd.	Kamloops	Thompson-Nicola
375	TELUS	Andre's T.V. Sales & Service Ltd.	Kamloops	Thompson-Nicola
376	TELUS	Tom Harris Cellular Ltd.	Kamloops	Thompson-Nicola
377	TELUS	Walco Radio & Electronics Ltd.	Kamloops	Thompson-Nicola
378	TELUS	Andre's T.V. Sales & Service Ltd.	Kamloops	Thompson-Nicola
379	Bell	The Source	Merritt	Thompson-Nicola

Appendix L

Material Disposition Hierarchy, and Acceptable Processes and Points of Final Disposition

		Disposition Acceptable Processes & Points of Final Disposition											
		Material Recovery Required	Energy recovery Permitted	Other disposition Permitted		Manual dismantling and material separation	Mechanical material separation	Extraction/purification/refine ment	Smelting to reclaim metal	Ervy incineration (use of material as an energy	Landfill	Hazardous Waste Landfill	Export to a non-OECD/EU country for processing
	EOLE	*				✓	✓	×	×	×	×	×	×
Electronic Scrap	Components (hard drives, chips, etc.)	*				✓	✓	✓	✓	×	*	×	*
tron	Wires / Cables	*				✓	✓	✓	✓	×	×	×	×
Elect	Circuit Boards	*				✓	✓	✓	✓	×	×	×	×
_	Metal / plastic laminates	*				✓	✓	✓	✓	×	×	×	×
	Metal	*								×	×	×	×
snop	Mixed Metals	*								×	×	×	×
Non Hazardous	Metal dusts (bag house)	*								×	×	×	×
Ha	Non-leaded Glass	*							×	×	×	×	×
Nor	Plastic		*	*					×			×	✓
	Mixed Plastics		*	*					×			×	✓

In accordance with the Disposition Hierarchy material recovery is always preferential over other disposition methods for all materials but only required where indicated with an '*.

Where the use of the material for energy recovery, or other disposition methods is permitted, they are indicated with an $'\star'$.

Process/application not permitted under the ERS	*
Process/application is permitted under the ERS & subject to on-site audit	✓
Process/application is permitted under the ERS & subject to document review and verification	

Appendix M

Sample of recovery programs in Canada that are not part of RMC

Operator Program	About
Name	Audut
Apple	Accepts old handsets at their retail stores, and consumers can receive a gift card up to \$275 (depending on the condition of the device) towards a new iPhone.
Ontario Electronics Stewardship Recycle Your Electronics	Accepted items include: pagers, personal digital assistants, cordless telephones, telephones, cell phones, personal handheld computers/tablets.
	Engages a number of retailers as collection locations, including: Staples, Home Hardware, Future Shop and Best Buy.
	RYE is funded by the fees that the provincial government charges electronic producers.
Call2Recycle	Has partnered with recycling locations throughout Canada, including Future Shop, RONA, Home Depot, Canadian Tire, the Apple Store, Zellers, Sears, Fido, Bell World. In fact, over 60,000 U.S. and Canadian retailers take part.
Electronic Recycling Association	Takes unwanted electronics and determines whether they can be reused by a not-for-profit organization. If not, they are recycled.
	Provides specialty programs for offices, schools and organizations for cell phones and toners. Boxes for their programs can be ordered online and are then shipped to the requesting organization.
Toronto Zoo Phone Apes	Phones can be dropped off at various locations around the Toronto Zoo, at the Bowmanville Zoo or they can be mailed to the Zoo.
	Funds raised are donated to the Goualougo Triangle Ape Project. Since 2006, the zoo has recycled over 13,000 cell phones, raising \$10,000 for the conversation of gorilla habitats.
Calgary Zoo	For every cell phone returned, Eco-Cell will make a donation to the Calgary Zoo's Conservation Outreach fund, which supports ape conservation initiatives, including projects for gorillas. Drop them off at the South Security entrance or at the North or West Gates, at the Calgary Zoo.
Various municipal programs	Various municipalities across Canada offer residents green bags to recycle electronic waste (including cellphones). Residents can leave unwanted electronics out for collection as per the municipality's garbage collection schedule.
City of Burlington	Accepts cell phones and batteries at specific locations.
Pizza Pizza Cells for Slices	Pizza Pizza holds an annually cellphone recycling program, called Cells for Slices, that allow consumers to drop off their previously used cell phones and receive a free slice of peperoni or cheese pizza. This is typically done in April to coincide with Earth Month and is

Operator Program	About
Name	
	done in partnership with Food Banks Canada and Phones for Food.
CellCycle	Provide payment to customers (including business and non-profit
	groups) for their unwanted cell phones, netbook computers and
	tablet devices.
ThinkRecycle	Offer rebates for phones collected by participating organizations,
·	including groups like the Diabetes Association and David Suzuki
	Foundation.
Green Calgary	Working phones or those that can be refurbished are:
	1) Given to people in shelters to call 911
	2) Given to organ transplant patients
	3) Sent to areas of the world where there are no land lines (in
	accordance with the Basel Convention)
	4) Reused in domestic markets for low cost prepaid services and in warranty replacement and 'loaner' and trial programs
	Phones that cannot be fixed are recycled in North America according
	to electronic waste guidelines.
Charitable Recycling	Donated cell phones will be refurbished and put to further use.
Program (operated by The	Refurbished phones are sent to emerging countries and areas in the
Wireless Source)	Canada where there is an economic necessity for cell phones for
2 1 12 21 1/2 11	both safety & communication.
Project ReDial (Canadian	Project Redial accepts each and every cell phone handset
Diabetes Assoc.)	(handheld, portable, wireless phone) regardless of brand, age,
	condition, technology or operating system. Every cell phone donated generates a financial contribution to the Canadian Diabetes
	Association.
Cell Phones for Soldiers	Donated cell phones are sold to a company that recycles them. The
Canada	money we receive from recycling cell phones is used to purchase
	supplies that we send to troops in need.
Sell Your Electronics	Provide cash to customers that mail in their devices.
Best Buy	In-store collection boxes for batteries, ink cartridges, CDs, gift cards
	and a number of portable electronics such as cell phones and MP3
	players.
Children's Community	Canadian Red Cross receives proceeds from collected materials.
Equipment Inventory Cell	
Phone Recycling Program	
(Canadian Red Cross)	Collection naturally actablished in Factors Canada (NR. NC and DEI)
Ready Set Recycle Recycle My Cell Phone	Collection network established in Eastern Canada (NB, NS and PEI) Provide cash to customers that mail in their devices.
FlipSwap	Provide cash to customers that mail in their devices. Provide cash to customers that mail in their devices.
Liihəmah	Provide cash to customers that mail in their devices.