

British Columbia Stewardship Plan for End-of-Life Electronics

**Electronic Stewardship Association of British Columbia
October 13, 2006**

ADDENDUM DATED SEPTEMBER 11, 2009

PRODUCTS TO BE ADDED IN ESABC PHASE II

Obligated Product Category	Product Definition	Products Included in Program	Products Not Included in Program
Computer Scanners	Desktop imaging equipment designed for use in conjunction with a personal computer or network system that converts hard copy data, such as text, photos, etc. into an electronic image or file.	Desktop or portable computer scanners	Floor standing drum scanners MRI equipment Cables other than those attached to the equipment or other accessories not listed
Personal/Portable Audio/Video Playback and/or Recording Systems	A portable device used primarily for personal use, including: Docking speakers Portable stereos/ tape players/ radios Personal CD players Portable audio recorders Headphones MP3 players Solid-state voice recorders Digital cameras and video cameras/ camcorders	Portable AM/FM radios Portable stereos Portable tape players/recorders Portable Compact Disc (CD) players/ recorders MP3 players Docking speakers Portable Digital Video Disc (DVD) players/recorders Portable cassette or digital audio/voice recorders Headphones Mini earphones and microphones Digital and non-digital cameras Video cameras/ camcorders	Single-use or one-time use cameras Children's toy cameras Compact Discs (CDs) Digital Video Discs (DVDs) Commercial, Professional or industrial video cameras Cables other than those attached to the equipment or other accessories not listed

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<p>Home Audio/Video Playback and/or Recording Systems</p>	<p>Audio and video playback and/or recording systems (mini/midi/full size) or system components intended for residential use but may also be used for institutional commercial or industrial applications including:</p> <p><u>Audio equipment:</u></p> <p>Amplifiers</p> <p>Receivers</p> <p>Speakers</p> <p>CD players (single and multi-disk units)</p> <p>Radios</p> <p>Turntables Cassette and other tape players</p> <p><u>Video Equipment:</u></p> <p>Data/multi-media projectors</p> <p>VCRs</p> <p>DVRs</p> <p>PVRs</p> <p>DVD Players Laser Disc Players</p> <p>Security cameras</p> <p>Web cameras designed to connect to a computer system</p> <p>Cable and Satellite TV Equipment</p>	<p>AM/FM Radios</p> <p>Clock radios</p> <p>Video cassette Recorders (VCRs)</p> <p>Digital Video recorders (DVRs)</p> <p>Personal Video Recorders (PVRs)</p> <p>Digital Video Disk (DVD) players/recorders</p> <p>Laser Disk players/recorders</p> <p>Cable & satellite receivers, set-top boxes</p> <p>Home stereo systems or components, including: Amplifiers Receivers CD or tape decks Turntables/ Record players</p> <p>Home speakers systems, including computer (multi-media) speakers</p> <p>Other digital music recorders & players</p> <p>Analog & digital video cameras for home security or other closed circuit use</p> <p>Computer web cams for home institutional, commercial or industrial use</p>	<ul style="list-style-type: none"> • Industrial/commercial quality amplifiers, speakers and related equipment used for musical performances and/or public address systems • Video gaming equipment that can also play +DVDs, etc. • Satellite dishes • Cables other than those attached to the equipment or other accessories not listed • Karaoke machines • Alarm clocks and wall clocks
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<p>Vehicle Audio & Video Systems</p>	<p>Aftermarket audio and video systems or system components intended to replace or supplement Original Equipment Manufacturers (OEM) factory-installed systems or system components.</p>	<p>Aftermarket vehicle audio & video components, including:</p> <p>In-dash CD and/or cassette players</p> <p>Amplifiers</p> <p>Equalizers</p> <p>Speakers</p> <p>Video displays</p>	<p>Factory-installed audio and video equipment developed for imbedded use in motor vehicles of any type</p> <p>Navigation systems</p> <p>Cables other than those attached to the equipment or other accessories not listed</p>
<p>Non-cellular Telephones and Answering Machines</p>	<p>A telecommunication device with a handset or headset that is used to transmit and receive sound (most commonly speech).</p>	<p>Telephones (corded and cordless, voip, satellite phones)</p> <p>Telephone line answering machines (cassette and digital)</p>	<p>Telecommunications equipment developed for imbedded use in motor vehicles of any type</p> <p>Commercial-grade “pay phones”</p>
<p>Cell Phones, PDAs and Pagers ¹</p>	<p>Hand-held communication devices which accesses a cellular network for transmission of voice or data</p> <p>A cell phone Includes the rechargeable battery that may be connected to that cell phone</p>	<p>Cellular Phones</p> <p>Smart Phones</p> <p>Personal Digital Assistants</p> <p>Pagers</p>	<p>A wireless device that is functionally or physically part of a larger device or system designed and intended for use in a industrial, commercial or governmental setting</p> <p>Walkie Talkies</p> <p>Non-cellular compatible PDAs</p>

¹ If the Director approves the RBRCC Stewardship Plan which includes cellphones prior to the implementation date for the expanded ESABC product list, ESABC will seek approval from the Director to remove Cellphones, PDAs and Pagers from the list of ESABC Phase II products.

**PUBLIC CONSULTATION PROCESS:
PRODUCTS TO BE ADDED IN ESABC PHASE II**

ADDENDUM DATED SEPTEMBER 11, 2009

On February 15, 2009 ESABC amended their Stewardship Plan to include a proposed list of Phase II products. No other changes were made to the ESABC Stewardship Plan which was approved December 11, 2006. Public Consultation on the proposed list of Products to be added in the ESABC Phase II consultation commenced March 1, 2009 and concluded May 30, 2009.

NOTIFICATION

The amended stewardship plan, a list of the products proposed to be added in Phase II and the Intergroup report respecting Phase II Environmental Handling Fees was posted on the ESABC website on March 9, 2009 along with an invitation to the public to comment and an e-mail address for feedback. The invitation, the text of which follows, contained a listing of times, dates and places for four open public meetings.

**PUBLIC CONSULTATION – INVITATION TO COMMENT ON
ESABC STEWARDSHIP PLAN FEBRUARY 15, 2009 AMENDMENTS**

On December 8, 2008, the Provincial Government issued an Order in Council (OIC 900) which contained an extensive list of products to be added to the recycling program in two separate stages in 2010 and 2012. ESABC is inviting public comment on the amendments to their Stewardship Plan which expands the range of products which will be included in its recycling program.

A series of four open houses in Prince George, New Westminster, Kamloops and Nanaimo have been scheduled to provide the public with an opportunity to meet with representatives of ESABC and find out more about the planned expansion of the ESABC program. These regional consultation sessions will take place on the following dates and times.

Prince George: Coast Inn of the North: April 7th: 9 am to 1 pm

New Westminster: Inn at the Quay: April 9th: 9am to 1pm

Kamloops: Coast Canadian Inn, April 15th: 1pm to 4pm

Nanaimo: Coast Bastion Inn: April 20th: 9am to 1 pm

BACKGROUND:

Since program commencement ESABC has been working proactively with a view to expanding the list of Electronic products accepted for recycling on a harmonized and phased basis consistent with the Canadian Council of Ministers of the Environment (CCME) Canada Wide principles. To further this goal, ESABC issued, on July 27, 2008, a consultation paper asking for key industry stakeholder input on a proposed list of products to be added to the program. As a result of this consultation ESABC concluded that the harmonized list of proposed products was suitable for inclusion in the ESABC program.

This list includes computer scanners, audio and video recording and playback systems, vehicle audio and video systems, as well as all types of telephones. This list is a significant expansion to the original program in both the number and type of products, which will require the recruitment of approximately significantly more producers and retailers and will result in a large increase in the volume and tonnage of materials to be handled by collection points, transporters and processors.

In addition to the website notification, direct e-mail notification of the amended plan and public meeting dates was also sent to:

- 1428 companies registered as ESABC members, ESABC approved recyclers, Return-It depots and the short and long haul transporters who handle ESABC electronic products.
- The Recycling Council of BC, Coast Waste Management Association and the Union of B.C. Municipalities which further distributed the notification to their members.
- Industry organizations including: Electronics Product Stewardship Canada; Retail Council of Canada; Electro-

Federation Canada; Information Technology Association of Canada; Canadian Wireless & Telecommunication Association; Canadian Imaging Trade Association; Information Technology Industry Council (USA); Consumer Electronics Association; Alberta Recycling management Authority (ARMA), Ontario Electronics Stewardship (OES); Atlantic Canada Electronics Stewardship (ACES); and Saskatchewan Waste Electronics Equipment Program (SWEEP).

As well newspaper advertisements and press releases were utilized to further notify the general public of the consultation and the regional meetings.

- A total of 131 - ¼ page advertisements were placed in 65 community and regional newspapers throughout the province during the last week of March advising of the dates, times and locations of the public meetings.
- A press release was sent to all community newspapers announcing the open public meetings which resulted in several media interviews by the ESABC Executive Director in the days leading up to the public meetings

PUBLIC MEETING FORMAT

The public meetings were intended to be informal with ample time allowed for public questions and comments. At most meetings the Chair of ESABC was present to welcome participants and to underscore the Association's commitment to the ESABC Stewardship Program. At each meeting a brief overview of the history and accomplishments of the Stewardship Program. This was followed by a description of the list of proposed products to be added by ESABC in Phase II. During the course of this presentation the public was advised that the only change to the existing program related to expansion of the product category to include the proposed list of phase II products.

In addition to the executive directors presentation an operational review of the existing program was provided by the program's Operations Manager from Encorp Pacific (Canada). During the course of his presentation the Operations Manager explained that ESABC intended to handle Phase II products in the same manner of Phase I products with no change in the existing method of collection, transportation and recycling.

The presentations typically took 30 to 45 minutes with the balance of the allotted four hours available for public input.

The format allowed the public to address both issues related to the expansion of the program to handle Phase II materials and issues related to the ongoing operation of the program as well. The majority of questions from the public related to ongoing operational issues unrelated to the phase II consultation.

The questions that arose at the public meetings with respect to the Phase II consultation and the answers provided are summarized below:

PRINCE GEORGE

Number of attendees – 8

Phase II Issues and Questions:

There were no specific questions with respect to Phase II issues.

NEW WESTMINSTER

Number of attendees – 24

Phase II Questions:

- Clarify whether all Phase I collection depots will take Phase II Products. *All ESABC Depots will take Phase II materials.*

KAMLOOPS

Number of attendees – 14

Phase II Questions and Answers

- What is the timing of Phase II implementation? *Projected date of implementation July 1, 2010.*
- What are the expected volumes of Phase II product? *ESABC is projecting an increase in volumes of approximately of*

approximately 30% when Phase II products are added to the program.

- What are the handling fees payable on the Phase II products? *The proposed Phase II handling fees are set out in the Intergroup Report found on the ESABC website www.esabc.ca.*

In addition to the 14 attendees who signed in there were three interviews with the Executive Director conducted by local media before and after the meeting.

NANAIMO

Number of attendees – 12

Phase II Questions and Answers

- Why are video game consoles excluded from the expansion? *The program needs to stage additional products based on its capacity; these products may be added in a later expansion.*
- Will there be a separate plan for cell phones? *The Canadian Wireless Telecommunications Association (“CWTA”) has indicated that they have a separate stewardship plan in development.*

LIST OF ATTENDEES ESABC PUBLIC MEETINGS

NAME	ORGANISATION (If Applicable)	E-MAIL (Optional)
April 7, 2009 Prince George		
Janine Dougall	RD Bulkley-Nechako	janine.dougall@rdbn.bc.ca
Bonnie Green	Berbon Trucking	berbon4@hotmail.com
Bernice Taylor	Berbon Trucking	berbon4@hotmail.com
Sean LeBrun	City of Pr. George	slebrun@city.pg.bc.ca
Anna Eastman	Quesnel resident	maeastman@shaw.ca
M. Eastman	Quesnel resident	maeastman@shaw.ca

NAME	ORGANISATION (If Applicable)	E-MAIL (Optional)
indecipherable signature		
Terri McClymont	REAPS	terri.mcclymont@reaps.org
April 9, 2009, New Westminster		
Bruce Shore	Genesis Recycling	wbshore@shaw.ca
Christa Copeland	ESABC	
Linda Park	Encorp Pacific	
Richard Aikema	Abbotsford Mission Recycling	raikema@telus.net
Bill Chan	Encorp Pacific	bill@encorpinc.com
Gary Powers	e-Cycle Solutions	gpowers@ecyclesolutions.com
Paul Knight	e-Cycle Solutions	pknight@ecyclesolutions.com
Mike Kubola	Genesis Recycling	mikek@genesisrecycling.ca
Shannon Wallace-Davies	Corp. of Delta	swallace-davies@corp.delta.bc.ca
Kim Day	Ridge Meadows Recycling	kim@rmrecycling.org
Karen Muttersbach	Environment Canada	karen.muttersbach@ec.gc.ca
Anthony Jones	Geep Ecosys	ajones@geepglobal.com
Ifny Lachance	Free Geek	ifny@freegeekvancouver.org
David Lawes	B.C.Min. of Environment	
Corinne Atwood	BC Bottle Depot Assoc.	bcbda@telus.net
Grant Robinson	BC Bottle Depot Assoc.	
Marla Bondar	Metro Vancouver	marla.bondar@metrovancover.org
Monica Kosmak		monica.kosmak@shaw.ca
Scott Hurren	Sims Recycling Solutions	scott.hurren@simsmm.com

NAME	ORGANISATION (If Applicable)	E-MAIL (Optional)
Emmy Lai	City of Richmond	elai@richmond.ca
Neil Hastie	Encorp Pacific	
Elizabeth Cross	Telus	elizabeth.cross@telus.com
April 15, 2009, Kamloops		
Don Coe	Bison Transport Inc.	dcoe@bisontransport.com
Deb Bischoff	Cariboo RD	dbischoff@cariboo.bc.ca
Rob Ellis	Rellish Transport Services	rellishtransport@telus.net
Derek Smith	Rellish Transport Services	rellishtransport@telus.net
Mike Youds	Kamloops Daily News	myouds@kamloopsnews.ca
Dianne Burk	Bill's Bottle Depot	billsbottle@telus.net
Bill Matichuk	Battery Doctors	batdoc@telus.net
Grant Robinson	General Grant's	generals@telus.net
Richard Robinson	General Grant's	generals@telus.net
Jen Fretz	City of Kamloops	jfretz@kamloops.ca
Glen Farrow	City of Kamloops	gfarrow@kamloops.ca
B. LaChapelle		
Annie Cloosterman		acloosterman@hotmail.com
April 20, 2009, Nanaimo		
Alex Dugan	Central Island Distrib.	
Michael Schellink	Nanaimo Recycling Exchange	michael@recycling.bc.ca
Gary Franssen	City of Nanaimo	gary.franssen@nanaimo.ca
Jeff Ainge	RD Nanaimo	jainge@rdn.bc.ca

NAME	ORGANISATION (If Applicable)	E-MAIL (Optional)
Sharon Horsburgh	RD Nanaimo	shorsburgh@rdn.bc.ca
Anke Bergner	Capital RD	abergner@crd.bc.ca
Kris Ord	BC Min. of Environment	kris.ord@gov.bc.ca
Harmony Huffman	Cowichan Valley RD	hhuffman@cprd.bc.ca
Bob McDonald	Cowichan Valley RD	bmcdonald@cprd.bc.ca
Kathleen Milward	Cowichan Valley RD	kmilward@cprd.bc.ca
Patrick Donaghy	RD Mt. Waddington	pdonaghy@rdmw.bc.ca
Jenn Wilson	BC Min. of Environment	jennifer.a.wilson@gov.bc.ca

SUMMARY OF E-MAIL RESPONSES RECEIVED

As of the close of the consultation period on May 30, 2009 total of 40 e-mail comments had been received. Receipt of all e-mails was acknowledged. The responses that related to the Phase II expansion were generally in favour of the expanded list of obligated products and the program in general.

Name	e-mail address (if supplied)	Issue
Michael - Keystroke Computers	keystrokes@shaw.ca	Fee levels vs. Ontario
Dave Keene	bkeene@telus.net	Supportive of expansion
Steven La Hay Wizard Computer Services	info@wizardcomputerservices.com	Would prefer flat vs. variable fees
Lisa, North Coast Supply	jefflisa@mhtv.ca	Concerns about collecting and remitting EHF
Erik Hansen, Silicon Garden	erik@silicongarden.bc.ca	Supportive of expansion

The remaining e-mails raised a variety of questions about the existing program including objections to the use of the EHF to fund the current program or the proposed expansion in response to a campaign by a taxpayers organization. While these were not related to the Phase II expansion, where appropriate, the e-mails were responded to directly.

CONCLUSION

There was general public support for and no substantive objection to the expansion of the ESABC program to include the list of products identified by ESABC as being suitable for inclusion in the Phase II expansion of the ESABC End-of-Life Stewardship Program set out in the amended ESABC Stewardship Plan dated February 15, 2009 and the addendum to the ESABC Stewardship Plan dated September 11, 2009.

ESABC PROPOSED PHASE II EXPANSION: INDUSTRY CONSULTATION

Consultation with key industry stakeholders took place in August 2008. Additional input from key industry stakeholders was sought again during the public consultation period. Feedback from industry did not raise any new issues from those identified during the August 2008 consultation. The September 28, 2008 summary of the results of the August 2008 industry consultation follows:

ELECTRONICS STEWARDSHIP ASSOCIATION OF BRITISH COLUMBIA (ESABC)

PHASE II EXPANSION - INDUSTRY CONSULTATION

Background

In April 2008, the BC Ministry of Environment issued a press release announcing its intention to expand the list of End Of Life Electronics (EOLE) products covered by the Recycling Regulation. In response, ESABC issued a draft list of potential additional products based on similar programs in other provinces (e.g. Nova Scotia).

This proposed list was circulated by e-mail on July 28, 2008 to all existing ESABC member companies as well as to other industry sectors potentially affected by this expansion. Recipients of the original e-mail included organizations such as the Recycling Council of B.C. and Coast Waste Management Association which distributed the notice to their memberships. All recipients of the e-mailed notice were requested to respond with their comments by August 29th, 2008. An extension to September 2, 2008 was granted to two organizations which requested it. In total a minimum of 1500 e-mail notices were sent out by ESABC directly and, at the close of industry consultation, 29 responses had been received.

Overview of responses

A significant number of the responses were requests for clarification of the fee structure, both the existing one and that for the expansion phase. It would appear that there is some confusion in the market place when it comes to establishing fees for combination units of various types.

SPECIFIC RESPONSES

- Fees

- Clarification is required as to the application of fees to combination units which may be a TV with integrated DVD player or an audio system which may contain various combinations of components such as players, tuners, amplifiers and speakers – 3 mentions
- Move fees from retail level to wholesaler/importer – 2 mentions
- Fees should be part of provincial sales tax – 2 mentions
- Fees should be consistent across the country – 2 mentions
- Request for clarification of how fees should be applied to systems – 2 mentions (see above)
- Audio speaker fees should vary by size
- Audio component fees should vary by size
- Fees should apply to all components (e.g. mice, keyboards)
- Flat fee on all items
- Comment on additional products proposed
 - Proposed list supported – 6 mentions. Retailers support limiting the expansion list to that proposed in order to maintain a degree of similarity in all provincial programs
 - Proposed list opposed – 3 mentions (opposition seemed to be to the program, and other similar programs in general, rather than to the proposed additional products)
 - Query as to whether dictating machines, answering machines with tape deck and video game consoles would be included
- Additional products proposed for inclusion:
 - Microwave ovens – 3 mentions
 - By Central Okanagan Regional District because of their bulk, ubiquity and frequency of replacement
 - By the Recycling Council of BC which reported 1131 calls from the public in 2007 specifically targeting the disposal of microwave ovens
 - By an existing Return-It Electronics site which “constantly” turns away customers wishing to leave microwave ovens for recycling
 - Ink and toner cartridges – 2 mentions
 - Video games – 2 mentions
 - Associated packaging – 2 mentions
 - GPS units
 - Calculators
 - Photocopiers

- Children's electronics
- Uninterruptable power supplies
- Sealed rechargeable batteries
- Electronic storage media (VHS tapes, CDs, computer disks)
- Accessories (e.g. cables)
-
- Requests for deletion of products from the proposed Phase 2 list:
 - CANADIAN WIRELESS TELECOMMUNICATIONS ASSOCIATION (CWTA) - The CWTA stated that it will be filing its own stewardship plan with the Ministry of Environment to cover "cell phones, PDAs and pagers" (all devices which connect to a wireless network) and has requested that these items be removed from the draft ESABC expansion list
 - A major camera manufacturer requested that non-digital single-use cameras for which recycling/remanufacturing programs already exist be excluded from the proposed expansion
 - A major retailer requested that children's cameras, typically sold as toys, be exempt
- General
 - Request for ample lead time (suggested 12 months) to roll out the program – 2 mentions – Retailers also requested that retailer blackout periods August-September and November-January be avoided
 - A request for better definition of included products
 - Retailer request for more store-level consumer notification and explanation of fees
 - A request that the ESABC program coordinate recycling efforts with existing programs such as those for rechargeable batteries and photocopiers
 - As an addition to the above – that any product covered by an existing program (e.g. rechargeable batteries) be exempt from this program
 - Retailers do not support mandatory return-to-retail but support it as an individual retailer option
 - A request that future expansions be phased and limited to allow orderly development of the program

- Query - Can fee be paid by importer/manufacture and not visible to consumers?
- Recyclers
 - Two existing approved recyclers confirmed that they can handle all products listed for the expanded program
 - One recycler requested that consideration be given to a segregated collection category for mercury containing devices in order to streamline processing requirements

LIST OF RESPONDANTS

Atic Sales
 Biz a la Carte Services Ltd.
 Bose Ltd.
 Canadian Wireless Telecommunications Assoc.
 City of Nanaimo
 ComTec
 D&H Canada ULC
 Davidson IT Services
 Individuals - 2
 Informatec Network Services Ltd
 Keystroke Computers
 Kodak Canada Inc.
 MacSimize Computer Services
 Metro Vancouver
 Recycling Council of B.C.
 Regional District of Central Okanagan
 Retail Council of Canada
 Sims Recycling Solutions
 Snowy Mountain Consulting Ltd.
 Teck Cominco Metals Ltd.
 Teknician Solutions
 The Business Tuner
 TTE Technology Inc.
 TTM Computers
 Walmart Canada Ltd.
 Whistler Audio-Visual Ltd.
 Wizard Computer Services
 Your Computer Guy

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 September 28, 2008