

Call2Recycle Canada, Inc.

Environmental Handling Fee (EHF) Product Guide

Version 1 Released: November 2016

Updated - Version 2 Released: September 2017

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Leading the charge for recycling.™

Environmental Handling Fees (EHFs) Product Clarification Guide: What you need to know

What is the product clarification guide? Why do I need it?

This guide is intended to assist members in identifying program products and the associated EHFs for the Call2Recycle Canada stewardship programs in British Columbia (BC), Manitoba (MB) and Quebec (QC).

When were EHFs rolled out?

Environmental Handling Fees (EHFs) were introduced in the following manner:

- **August 2015:** EHFs applied in Quebec for stand-alone primary and rechargeable batteries and batteries sold with or in construction/renovation/garden tools
- **February 1, 2017:** EHFs applied on primary batteries in British Columbia & Manitoba; fee schedule updated in Quebec
- **January 1, 2018:** EHFs to be applied to batteries sold with or in portable flashlights and spotlights, E-TOYS, and smoke and carbon monoxide detectors in Quebec and Manitoba.

What's different between the versions?

- The November 2016 product clarification guide was the first version released. The guide provided guidance around the fee assessment for primary batteries in British Columbia and Manitoba and provided an updated fee schedule for Quebec.
- The September 2017 product clarification guide is version two (2) and now includes an updated fee schedule for batteries sold with or in E-Toys (page 11), portable flashlights and spotlights (page 12), and smoke and carbon monoxide detectors (page 12) in Quebec and Manitoba.

Who do I contact with questions?

- For questions, help navigating the product clarification guide, or fee assessments regarding individual product SKUs, please email productguidecanada@call2recycle.ca

PRODUCT CLARIFICATION GUIDE

Purpose of this Guide

This guide is intended to assist members in identifying program products for the Call2Recycle Canada stewardship programs in British Columbia (BC), Manitoba (MB) and Quebec (QC).

This guide supports Environmental Handling Fees (EHFs) rolled-out in the following manner:







- **August 2015:** EHF applied in Quebec for stand-alone primary and rechargeable batteries and construction/renovation/garden tools sold with batteries
- **February 1, 2017:** EHF applied on primary batteries in British Columbia & Manitoba; fee schedule updated in Quebec
- **January 1, 2018:** EHF to be applied to batteries sold with or in E-TOYS (page 11), portable flashlights and spotlights (page 11), and smoke and carbon monoxide detectors (page 12) in Quebec and Manitoba.

NOTES

1. Members must assess products against the definitions of each obligated product or sub-category of products to determine the applicability and appropriate EHF, and may consult program staff for assistance in clarification where required.
2. The list of Product Definitions and Clarifications may be revised periodically by the Program.
3. Product must be sold with batteries and/or contain, by design, replaceable batteries.
4. A battery that is professionally installed, or cannot be safely removed or de-installed by the consumer, using common household tools such as a screwdriver, is exempt from an EHF. This includes batteries embedded into devices with warnings not to remove the battery or battery compartments requiring specialized tools for battery removal.
5. The applicable EHF on *Batteries Sold With or In Products* (see EHF Schedule for more details) is per product*, independent of chemistry (primary or rechargeable) and independent of the numbers of batteries included.
 - Example 1 - one (1) SKU containing a pack of 2 flashlights and 6 AA batteries warrants an EHF of \$0.20 (2 X \$0.10)
 - Example 2 - one (1) SKU containing 3 Smoke Alarms, 4 AA and 1.9V warrants an EHF of \$0.30 (3 X \$0.10)

*up to a maximum of 2 EHF for Garden/Construction/Renovation Tools.

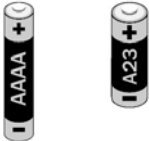
PRIMARY (SINGLE-USE) BATTERIES
Sold as Stand-Alone or Replacement Batteries



Type	Description	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
AA 	Product Definition: ➤ A standard sized cylindrical dry battery, measuring approximately 50 mm in length and 14mm in diameter.	\$0.05	\$0.05	\$0.06
AAA 	Product Definition: ➤ A standard sized cylindrical dry battery, measuring approximately 45 mm in length and 11 mm in diameter.	\$0.05	\$0.05	\$0.06
C 	Product Definition: ➤ A standard sized cylindrical dry battery, measuring approximately 50 mm in length and 26.2 mm in diameter.	\$0.15	\$0.15	\$0.20
D 	Product Definition: ➤ A standard sized cylindrical dry battery, measuring approximately 62 mm in length and 33 mm in diameter.	\$0.25	\$0.25	\$0.30
9V 	Product Definition: ➤ A standard sized rectangular prism dry battery, measuring approximately 49 mm high, 27 mm wide, 18 mm deep.	\$0.10	\$0.10	\$0.15
BUTTON 	Product Definition: ➤ Button and coin batteries come in various diameters and thicknesses, but generally a button or coin cell battery has a diameter greater than the height of the cell and is round	\$0.04	\$0.04	\$0.06

PRIMARY (SINGLE-USE) BATTERIES

Sold as Stand-Alone or Replacement Batteries






The small, medium and large battery categories capture the format of all other stand-alone and replacement batteries, aside from the standard sizes of button, AA, AAA, C, D, 9V or button.

SINGLE-USE TYPE	DESCRIPTION	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
SMALL 	<p>Product Definition:</p> <ul style="list-style-type: none"> ➤ Stand-alone or replacement specialty batteries of all primary chemistries - such as alkaline and lithium- and voltages, <i>less than 200 grams in weight</i> <p>Typical Batteries Categorized as Small Primary:</p> <p>1.5 V</p> <ul style="list-style-type: none"> ➤ AAAA, E90, LR1, LR8D425, MN2500, MX2500, MN9100, N, 25A, 910A <p>3.0 V</p> <ul style="list-style-type: none"> ➤ CR1/3N, CR17345, CR17355, CR2, CRV3, DLCCR3, DL2CR2, DL123, EL2CR2, EL2CRV3, EL123, 123 <p>6.0 V</p> <ul style="list-style-type: none"> ➤ A544, BR-P2, CR17-33, CR-P2, CRP2, DL223, DL245, EL223, EL2CR5, J, L544, PX28A, PX28L, V4034PX ➤ 223, 245, 28A, 28L, 2CR11108, 2CR5, 3V CRV3, 476A, 476AF, 4L61, 4LR44, 4LR61, 5024LC, 539, 7K67, <p>12 V</p> <ul style="list-style-type: none"> ➤ A23, A27, A27BP, G27A, L828, 8LR932, MN21, MN21/23, MN27, V23GA, 23AE, 23AF, 8LR732 ➤ Camera replacement batteries 	\$0.10	\$0.10	\$0.10

SINGLE-USE TYPE	DESCRIPTION	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
MEDIUM 	<p>Product Definition:</p> <ul style="list-style-type: none"> ➤ Stand-alone or Replacement specialty batteries of all primary chemistries - such as alkaline and lithium- and voltages, <u>greater than 200 and less than 500 grams in weight.</u> <p>Typical Batteries Categorized as Medium Primary:</p> <ul style="list-style-type: none"> ➤ DD Lithium ➤ IEC: 6F22-9 ZnMnO₂ (357 g), 2356N, 9 volts ➤ IEC: 6F100 ZnMnO₂ (245 g), 276, 9 volts ➤ IEC: 30F40 ZnMnO₂ (231 g), 455, 45 volts ➤ IEC: 45F30 ZnMnO₂ (227 g), 457, 67.5 volts ➤ Alarm, Security System, GPS replacement batteries 	\$0.50	\$0.50	\$0.50
LARGE 	<p>Product Definition:</p> <ul style="list-style-type: none"> ➤ Stand-alone or Replacement specialty batteries of all primary chemistries -such as alkaline and lithium- and voltages, <u>greater than 500 grams, and less than 5 kilograms.</u> <p>Typical Batteries Categorized as Large Primary:</p> <ul style="list-style-type: none"> ➤ 6 V Lantern - 4LR25X, 4LR25-2, 4LR25Y ➤ 8 V Lantern – 8R25 	\$1.25	\$1.25	\$1.25

RECHARGEABLE BATTERIES


Sold as Stand-Alone or Replacement Batteries


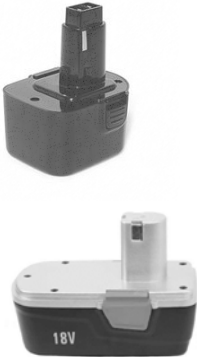
RECHARGEABLE TYPE	DESCRIPTION	EHF BY PROVINCE		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
AA 	Product Definition: ➤ A standard sized cylindrical dry battery, measuring approximately 50 mm in length and 14mm in diameter.	\$0.10	N/A	N/A
AAA 	Product Definition: ➤ A standard sized cylindrical dry battery, measuring approximately 45 mm in length and 11 mm in diameter.	\$0.10	N/A	N/A
C 	Product Definition: ➤ A standard sized cylindrical dry battery, measuring approximately 50 mm in length and 26.2 mm in diameter.	\$0.25	N/A	N/A
D 	Product Definition: ➤ A standard sized cylindrical dry battery, measuring approximately 62 mm in length and 33 mm in diameter.	\$0.40	N/A	N/A
9V 	Product Definition: ➤ A standard sized rectangular prism dry battery, measuring approximately 49 mm high, 27 mm wide, 18 mm deep.	\$0.20	N/A	N/A


RECHARGEABLE BATTERIES

Sold as Stand-Alone or Replacement Batteries

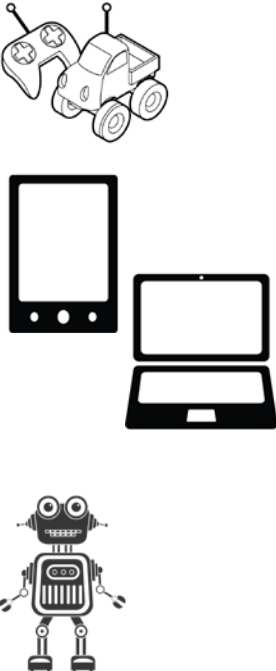
The small, medium and large battery categories capture the format of all other stand-alone and replacement batteries, aside from the standard sizes of button, AA, AAA, C, D, 9V.

RECHARGEABLE TYPE	DESCRIPTION	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
<p>SMALL</p> 	<p>Product Definition:</p> <ul style="list-style-type: none"> ➤ Stand-alone specialty sized rechargeable batteries of all chemistries, - such as Nickel Metal Hydride (Ni-MH), Nickel Cadmium (Ni-Cd) and Lithium Ion (Li-ion)- and voltages, which do not meet the description of the standard battery size and categories described above and <i>weigh less than 200 grams.</i> <p>Typical Batteries Categorized as Small Rechargeable:</p> <ul style="list-style-type: none"> ➤ Cell Phone Replacement Batteries ➤ Cordless Phone Replacement Batteries ➤ Video Game Controller Batteries ➤ Walkie-Talkie Replacement Batteries ➤ Digital Camera/DSLR Replacement Batteries ➤ Handheld Gaming Device Replacement Batteries ➤ Video Camera/Camcorder Replacement Batteries ➤ Action Camera Replacement Batteries ➤ Flying Remote Control Replacement Batteries (including Drones) 	\$0.20	N/A	N/A

RECHARGEABLE TYPE	DESCRIPTION	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
MEDIUM 	<p>Product Definition:</p> <ul style="list-style-type: none"> ➤ Stand-alone specialty or original equipment manufactured sized rechargeable batteries of all chemistries - such as Nickel Metal Hydride (Ni-MH), Nickel Cadmium (Ni-Cd) and Lithium Ion (Li-Ion)- and voltages, which are generally <u>greater than 200 grams and less than 500 grams.</u> <p>Typical Batteries Categorized as Medium Rechargeable:</p> <ul style="list-style-type: none"> ➤ Laptop Replacement Batteries ➤ Robot Vacuum Batteries ➤ Handheld Cordless Vacuum Batteries ➤ Remote Control Vehicles (Land and Water based) Replacement Batteries 	\$1.00	N/A	N/A
LARGE 	<p>Product Category:</p> <ul style="list-style-type: none"> ➤ Stand-alone specialty sized rechargeable batteries of all chemistries - such as Nickel Metal Hydride (Ni-MH), Nickel Cadmium (Ni-Cd) and Lithium Ion (Li-Ion)- and voltages, which are <u>greater than 500 grams, and less 5 kilograms.</u> <p>Typical Batteries Categorized as Large Rechargeable:</p> <ul style="list-style-type: none"> ➤ Spray Guns ➤ Chain Saws ➤ Garden Shears/Trimmers ➤ Garden Sprayers/Insect Foggers ➤ Lawn Blowers/Vacuums ➤ Stick Edgers ➤ Sanding/Polishing tools ➤ Air Inflator/Pumps ➤ Battery Test/Charging Equipment (automotive only) ➤ Drills/Screwdrivers ➤ Saws 	\$2.50	N/A	N/A


RECHARGEABLE TYPE	DESCRIPTION	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
<p>PORTABLE POWER</p> 	<p>Category Definition:</p> <ul style="list-style-type: none"> ➤ A self-contained and typically transportable unit that stores and supplies electrical power to electronic devices external to the device. The portable power unit can be designed to be used by a specific device, such as a power pack integrated into a phone case, or by connecting via a cord to various devices for example. The portable power unit must be rechargeable by the consumer; single use power supplies are included under stand-alone primary batteries. The battery does not have to be removed from the power pack to be recycled. The primary purpose of the product must be to provide electrical power to another device. <p>Type of Products:</p> <ul style="list-style-type: none"> ➤ Power Banks ➤ Portable Power Packs ➤ Cell Phone Cases with Integrated Power Packs ➤ Key Chain Power Packs ➤ Promotional Give Away Power Packs 	\$1.00	N/A	N/A

BATTERIES SOLD WITH OR IN PRODUCTS
(independent of chemistry and number of batteries included)

PRODUCTS	DESCRIPTION	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
<p align="center">E-TOYS</p> 	<p><i>Category Definition (refer to decision tree for further clarification):</i></p> <ul style="list-style-type: none"> ➤ Electronic Toys are defined as a plaything placed on the market that use batteries to provide power, and are either sold with batteries or contain removable and replaceable batteries. <p><i>Types of products:</i></p> <ul style="list-style-type: none"> ➤ Remote controlled vehicles ➤ Children’s computer/tablet ➤ Electronic board or table top games ➤ Electronic plastic toy animals ➤ Electronic toy cameras ➤ Electronic toy robots ➤ Electronic toy vehicles <p><i>Not subject to EHF:</i></p> <ul style="list-style-type: none"> ➤ Plush textiles with electronics ➤ Micro Toys (electronic toys generally weighing less than 50 grams) ➤ Small Battery Powered Ride-On Toys (Electronic Ride-On Toys that are powered by batteries <u>under 12 V</u>) ➤ Large Battery Powered Ride-On Toys (Electronic Ride-On Toys that are powered by batteries <u>12 V and over</u>) <p>Notes: Batteries with or in remote controls sold with the e-toy are not subject to an EHF</p>	\$0.10	\$0.10	N/A

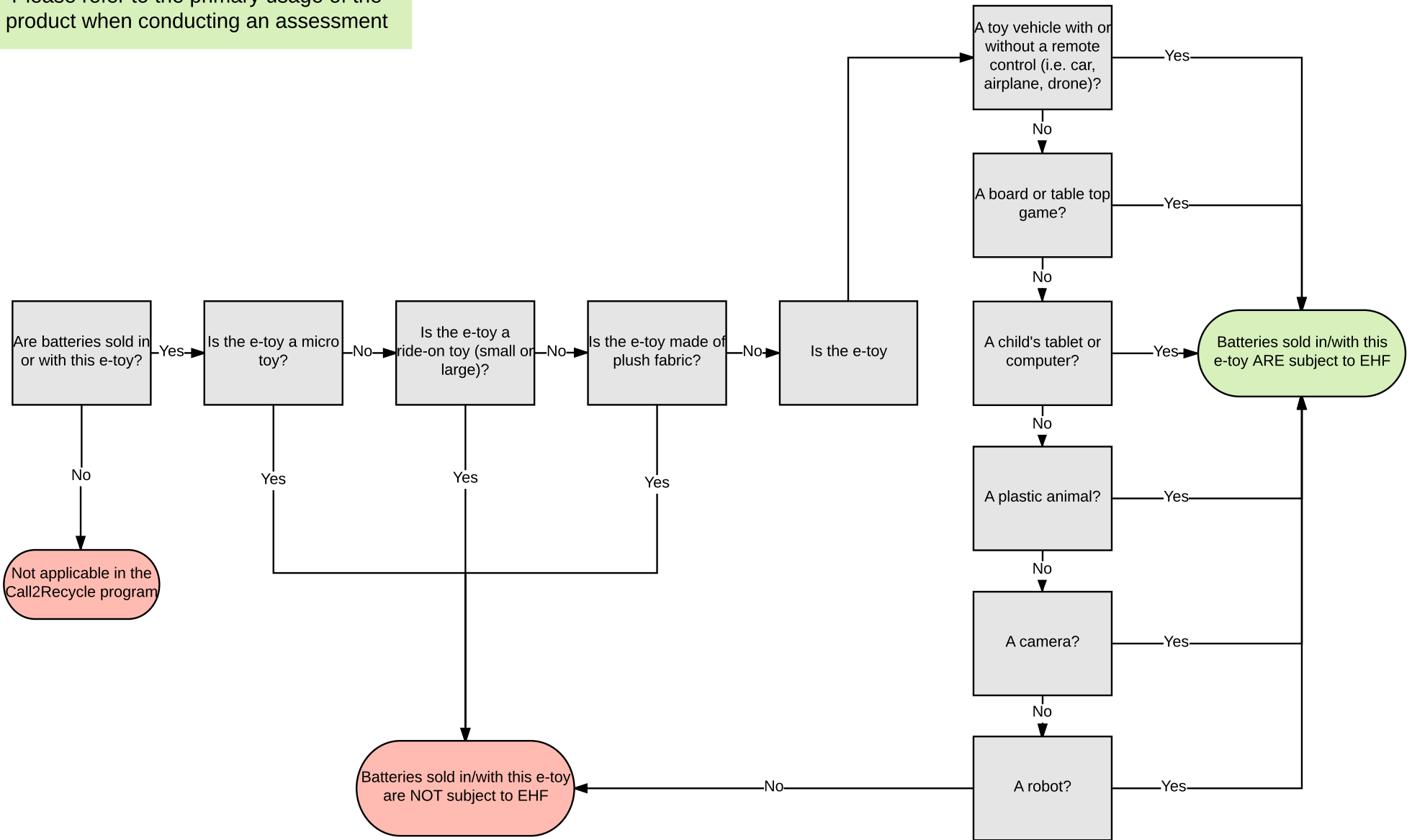
PRODUCTS	DESCRIPTION	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
<p>PORTABLE FLASHLIGHTS AND SPOTLIGHTS</p>	<p>Category Definition: Battery powered, free standing and portable* electrical/electronic lighting equipment with the primary purpose to illuminate space. <i>*able to be easily carried or moved by hand.</i></p> <p>Types of products:</p> <ul style="list-style-type: none"> ➤ Flashlights and Spotlights (work light, tactical, lantern, keychain, headlamps, snake light) <p>Not subject to EHF:</p> <ul style="list-style-type: none"> ➤ Puck/Disc lamps ➤ Utility/closet lights ➤ Bike lights ➤ Decorative lamps 	\$0.10	\$0.10	N/A
<p>SMOKE AND CARBON MONOXIDE ALARM</p>	<p>Category Definition:</p> <ul style="list-style-type: none"> ➤ Smoke Alarms are typically disc shaped, plastic, and perform both a smoke detection and alarm sounding function. CO alarms, which perform both a CO detection and alarm sounding function, are typically disc or square shaped and plastic. <p>Type of Products:</p> <ul style="list-style-type: none"> ➤ Smoke Alarms (ionization or photoelectric or combination ionization/photoelectric smoke alarms) ➤ Carbon Monoxide Alarms ➤ Combination, Smoke and Carbon Monoxide Alarms 	\$0.10	\$0.10	N/A

PRODUCTS	DESCRIPTION	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
<p>CONSTRUCTION/ RENOVATION TOOLS</p>	<p>Category Definition:</p> <ul style="list-style-type: none"> ➤ Cordless electronic or electrical construction and renovation tools sold with a battery or batteries. Program products include, but are not limited to, those used for bending, cutting, drilling, folding, grinding, milling, polishing, punching, sanding, sawing, shearing, soldering, turning, welding, or otherwise processing wood, metal or other materials. Program products also include those used for measuring and for nailing, riveting, screwing or removing nails, rivets or screws. Tools that meet any of the definitions above are included in the program regardless of whether they are marketed for household, industrial or commercial purposes <p>Type of Products:</p> <ul style="list-style-type: none"> ➤ Sanding/Polishing tools ➤ Air Inflator/Pumps ➤ Battery Test/Charging Equipment (automotive only) ➤ Drills/Screwdrivers ➤ Saws (battery operated only) ➤ Spray Guns <p>Reminder: The applicable EHF on <i>Products Sold with Batteries</i> (see EHF Schedule for more details) is <u>per</u> product*, independent of chemistry (primary or rechargeable) and independent of the numbers of batteries included.</p> <p>*up to a maximum of 2 EHF's for Construction/Renovation Tools.</p>	\$2.50	N/A	N/A

PRODUCTS	DESCRIPTION	EHF by Province		
		Quebec (QC)	Manitoba (MB)	British Columbia (BC)
<p>GARDEN TOOLS</p> 	<p>Category Definition:</p> <ul style="list-style-type: none"> ➤ Battery powered portable/mobile electronic gardening and outdoor power equipment. Program products include, but are not limited to, those used for mowing, trimming, cutting, digging, pruning, edging, tilling, blowing, vacuuming, drilling, spraying. <p>Type of Products:</p> <ul style="list-style-type: none"> ➤ Chain Saws ➤ Garden Shears/Trimmers ➤ Garden Sprayers/Insect Foggers ➤ Lawns Blowers/Vacuums ➤ Stick Edgers <p>Reminder: The applicable EHF on <i>Products Sold with Batteries</i> (see EHF Schedule for more details) is <u>per</u> product*, independent of chemistry (primary or rechargeable) and independent of the numbers of batteries included.</p> <p>*up to a maximum of 2 EHF's for Garden Tools.</p>	\$2.50	N/A	N/A

E-Toy Category Decision Tree

Please refer to the primary usage of the product when conducting an assessment



ADDITIONAL RESOURCES

Questions

- Inquiries related to the product clarification guide, please email productguidecanada@call2recycle.ca.
- For general program inquiries, contact Call2Recycle at 1.888.224.9764 or customerservice@call2recycle.ca, or visit the website at: www.call2recycle.ca/stewards-overview/ or www.appelarecyclier.ca/membres/.

Support Materials

- Downloadable point-of-sale materials, including an EHF overview for retailers and rack cards for consumers, can be found at: <https://www.call2recycle.ca/resources-support-centre/> or <https://www.appelarecyclier.ca/centre-appui-membres/>.

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