

Call2Recycle Canada, Inc.

Environmental Handling Fee (EHF) Product Guide

Version 1 Released: November 2016

Version 2 Released: September 2017

Version 3 Released: August 2018

Version 4: Released December 2018

NEW - Version 5: Released October 2019 (Effective January 2020)

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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 battery stewardship programs for British Columbia (BC), Manitoba (MB), Quebec (QC), and Prince Edward Island (PEI).

When were EHFs rolled out?

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

- **August 2015:** EHFs applied in QC for stand-alone primary and rechargeable batteries and construction/renovation/garden tools sold with batteries.
- **February 1, 2017:** EHFs applied on primary batteries in BC & MB; fee schedule updated in QC.
- **January 1, 2018:** EHFs applied to batteries sold with or in E-TOYS, portable flashlights and spotlights, and smoke and carbon monoxide detectors in QC and MB.
- **January 1, 2019:** EHFs applied to rechargeable batteries in BC and MB, as well as to batteries sold in or with construction, renovation, and garden tools in Manitoba. EHF rates for select categories were also adjusted.
- **April 1, 2019:** EHFs applied to primary and rechargeable batteries, batteries sold in or with E-TOYS, portable flashlights and spotlights, smoke and carbon monoxide detectors, construction, renovation, and garden tools in PEI.

What's different between the versions?

- The **November 2016 (version 1)** product clarification guide was the original version released. The guide provided guidance around the fee assessment for primary batteries in BC and MB and provided an updated fee schedule for QC.
- The **September 2017 (version 2)** product clarification guide was the second version to reflect the inclusion of EHFs on batteries sold with or in E-Toys, portable flashlights and spotlights, and smoke and carbon monoxide detectors in Quebec and Manitoba.
- The **August 2018 (version 3)** product guide contained an updated fee schedule, effective January 1, 2019, that reflected a fee adjustment on primary batteries in BC, MB, and QC; a fee adjustment on rechargeable batteries and batteries sold in or with garden, construction and renovation tools in QC; the introduction of fees on rechargeable batteries in BC and MB..
- The **December 2018 (version 4)** product guide included the new fee schedule for PEI which was effective April 1, 2019.
The **October 2019 (version 5)** product guide includes the new fee schedule for Quebec and updated clarification and guidance, which is effective January 1, 2020. Also, effective January 1, 2020, measuring tools have been removed from the construction and renovation tools category.







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 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. In applicable provinces, 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. Up to a maximum of 2 EHF's for Garden/Construction/Renovation Tools sold as multi-tool or combination kit.
 - 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)
 - Example 3: one (1) SKU containing 3 construction tools with batteries and 2 flashlights warrants an EHF of \$4.20 (2 x \$2.00*) plus (2 x \$0.10)
 - Example 4: one (1) SKU containing 2 or more construction tools sold as a multi-tool or combination kit would carry an EHF of \$4.00 (2 x \$2.00*)
- *Fees may vary by province, please refer to the EHF schedule.*
6. In BC, if an applicable product (garden tools, construction/renovation tools, smoke and CO alarms, portable flashlights and spotlights, and e-toys) are sold with one or more bonus or extra stand-alone batteries, and EHF must be applied to the bonus or extra battery(ies) up to a maximum of two (2) EHF's.
 7. Small sealed lead acid batteries are subject to the EHF under the large rechargeable battery category in BC, MB and PEI but not in QC.
 8. Stand-alone rechargeable batteries that are sold with a charger are subject to EHF.



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

Type	Description	As of January 1, 2020			
		EHF by Province			
		BC	MB	QC	PEI
AA 	A standard sized cylindrical dry battery, measuring approximately 50 mm in length and 14mm in diameter.	\$0.05	\$0.04	\$0.04	\$0.04
AAA 	A standard sized cylindrical dry battery, measuring approximately 45 mm in length and 11 mm in diameter.	\$0.04	\$0.03	\$0.03	\$0.03
C 	A standard sized cylindrical dry battery, measuring approximately 50 mm in length and 26.2 mm in diameter.	\$0.08	\$0.08	\$0.07	\$0.08
D 	A standard sized cylindrical dry battery, measuring approximately 62 mm in length and 33 mm in diameter.	\$0.10	\$0.10	\$0.09	\$0.10
9V 	A standard sized rectangular prism dry battery, measuring approximately 49 mm high, 27 mm wide, 18 mm deep.	\$0.07	\$0.06	\$0.05	\$0.06
BUTTON 	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.	\$0.02	\$0.02	\$0.01	\$0.02

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.

		As of January 1, 2020			
SINGLE-USE TYPE	DESCRIPTION	EHF by Province			
		BC	MB	QC	PEI
<p>SMALL</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	<p>Weighing <i>less than 200 grams</i>. Stand-alone or replacement specialty batteries of all primary chemistries and voltages - such as alkaline and lithium.</p> <p>Examples of 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"> ➤ CR17345, CR17355, CR2, CRV3, DLCCRV3, DLCR2, DL123, ELCR2, ELCRV3, EL123, 123 <p>6.0 V</p> <ul style="list-style-type: none"> ➤ A544, BR-P2, CR17-33, CR-P2, DL223, DL245, EL223, EL2CR5, J, L544, PX28A, PX28L, V4034PX ➤ 223, 245, 28A, 28L, 2CR11108, 2CR5, 3V CRV3, 476A, 476AF, 4L61, 4LR44, 4LR61, 5024LC, 539, <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 	\$0.05	\$0.05	\$0.05	\$0.05








PRIMARY (SINGLE-USE) BATTERIES

Sold as Stand-Alone or Replacement Batteries

		As of January 1, 2020			
SINGLE-USE TYPE	DESCRIPTION	EHF by Province			
		BC	MB	QC	PEI
MEDIUM 	<p><i>Weighing more than 200 grams and less than 500 grams.</i> Stand-alone or Replacement specialty batteries of all primary chemistries and voltages- such as alkaline and lithium.</p> <p>Examples of Batteries Categorized as Medium</p> <p>Primary:</p> <ul style="list-style-type: none"> ➤ DD Lithium ➤ IEC: 6F22-9 ZnMnO₂ (357 g), 2356N, 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 	\$0.25	\$0.25	\$0.20	\$0.25
LARGE 	<p>Product Definition:</p> <ul style="list-style-type: none"> ➤ <i>Weighing more than 500 grams and less than 5 kilograms.</i> Stand-alone or Replacement specialty batteries of all primary chemistries and voltages - such as alkaline and lithium. <p>Examples of Batteries Categorized as Large</p> <p>Primary:</p> <ul style="list-style-type: none"> ➤ 6 V Lantern - 4LR25X, 4LR25-2, 4LR25Y ➤ 8 V Lantern – 8R25 	\$0.75	\$0.75	\$0.70	\$0.75

RECHARGEABLE BATTERIES


Sold as Stand-Alone or Replacement Batteries

RECHARGEABLE TYPE	DESCRIPTION	As of January 1, 2020			
		EHF by Province			
		BC	MB	QC	PEI
AA 	A standard sized cylindrical dry battery, measuring approximately 50 mm in length and 14mm in diameter.	\$0.14	\$0.10	\$0.08	\$0.09
AAA 	A standard sized cylindrical dry battery, measuring approximately 45 mm in length and 11 mm in diameter.	\$0.12	\$0.08	\$0.07	\$0.08
C 	A standard sized cylindrical dry battery, measuring approximately 50 mm in length and 26.2 mm in diameter.	\$0.15	\$0.15	\$0.12	\$0.15
D 	A standard sized cylindrical dry battery, measuring approximately 62 mm in length and 33 mm in diameter.	\$0.20	\$0.20	\$0.15	\$0.20
9V 	A standard sized rectangular prism dry battery, measuring approximately 49 mm high, 27 mm wide, 18 mm deep.	\$0.15	\$0.15	\$0.12	\$0.15
BUTTON  	Rechargeable 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.	\$0.10	\$0.10	\$0.10	\$0.10

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.

		As of January 1, 2020			
RECHARGEABLE TYPE	DESCRIPTION	EHF by Province			
		BC	MB	QC	PEI
SMALL 	<p><u>Weighing less than 200 grams.</u> 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), which do not meet the description of the standard battery size and voltages categories described above.</p> <p>Examples of 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) 	\$0.10	\$0.10	\$0.08	\$0.10


RECHARGEABLE BATTERIES

Sold as Stand-Alone or Replacement Batteries

		As of January 1, 2020			
RECHARGEABLE TYPE	DESCRIPTION	EHF by Province			
		BC	MB	QC	PEI
<p>MEDIUM</p> 	<p><i>Weighing more than 200 grams and less than 500 grams.</i> 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).</p> <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 	\$0.50	\$0.50	\$0.45	\$0.50



RECHARGEABLE BATTERIES

Sold as Stand-Alone or Replacement Batteries

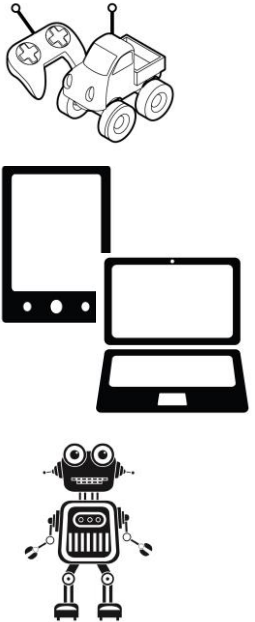
		As of January 1, 2020			
RECHARGEABLE TYPE	DESCRIPTION	EHF by Province			
		BC	MB	QC	PEI
<p>LARGE</p> 	<p>Weighing more than 500 grams and less than 5 kilograms. Stand-alone specialty sized rechargeable batteries of all chemistries - such as Nickel Metal Hydride (Ni-MH), Nickel Cadmium (Ni-Cd) and Lithium Ion (Li-Ion).</p> <ul style="list-style-type: none"> ➤ Small Sealed Lead Acid Batteries weighing <u>less than 5 kilograms (BC and MB, and PEI only)</u> <p>Examples of 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 ➤ Security Back Up Systems 	\$2.50	\$2.00	\$1.90	\$2.00

RECHARGEABLE BATTERIES


Sold as Stand-Alone or Replacement Batteries

		As of January 1, 2020			
RECHARGEABLE TYPE	DESCRIPTION	EHF by Province			
		BC	MB	QC	PEI
<p>PORTABLE POWER</p>  	<p>A small 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. <u>The primary purpose of the product must be to provide electrical power to another portable device such as a cellphone, headphones, tablet, laptop etc.</u></p> <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 <p><u>Not subject to EHF:</u></p> <ul style="list-style-type: none"> ➤ Portable power devices integrated into another product (e.g. backpacks and luggage) ➤ Large portable power stations/generators with integrated USB ports ➤ Jump starters 	\$1.25	\$1.25	\$0.70	\$0.75

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



PRODUCTS	DESCRIPTION	As of January 1, 2020			
		EHF by Province			
		BC	MB	QC	PEI
<p>E-TOYS</p> 	<p>Category Definition (see decision tree for further clarification): 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> <p>Types of products:</p> <ul style="list-style-type: none"> ➤ Remote controlled vehicles ➤ Children’s computer/tablet ➤ Electronic board or tabletop games ➤ Electronic plastic toys ➤ Electronic toy cameras ➤ Electronic toy robots ➤ Electronic toy vehicles <p>Not subject to EHF:</p> <ul style="list-style-type: none"> ➤ Plush textiles with electronics ➤ Micro Toys (electronic toys generally weighing less than 50 grams) ➤ Small or Large Battery Powered Electronic Ride-On Toys. <p>Notes: Batteries contained with or in remote controls sold with the e-toy are not subject to an EHF; Refer to E-Toy Decision Tree for more information.</p>	See #6 of the Product Clarification	\$0.10	\$0.10	\$0.10

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

PRODUCTS	DESCRIPTION	As of January 1, 2020			
		EHF by Province			
		BC	MB	QC	PEI
<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 	See #6 of the Product Clarification	\$0.10	\$0.10	\$0.10

BATTERIES SOLD WITH OR IN PRODUCTS

(independent of chemistry and number of batteries included)


		As of January 1, 2020			
PRODUCTS	DESCRIPTION	EHF by Province			
		BC	MB	QC	PEI
<p>SMOKE AND CARBON MONOXIDE ALARM</p>  	<p>Category Definition: 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> <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 <p>Reminder: 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.</p>	See #6 of the Product Clarification	\$0.10	\$0.10	\$0.10

BATTERIES SOLD WITH OR IN PRODUCTS

(independent of chemistry and number of batteries included)

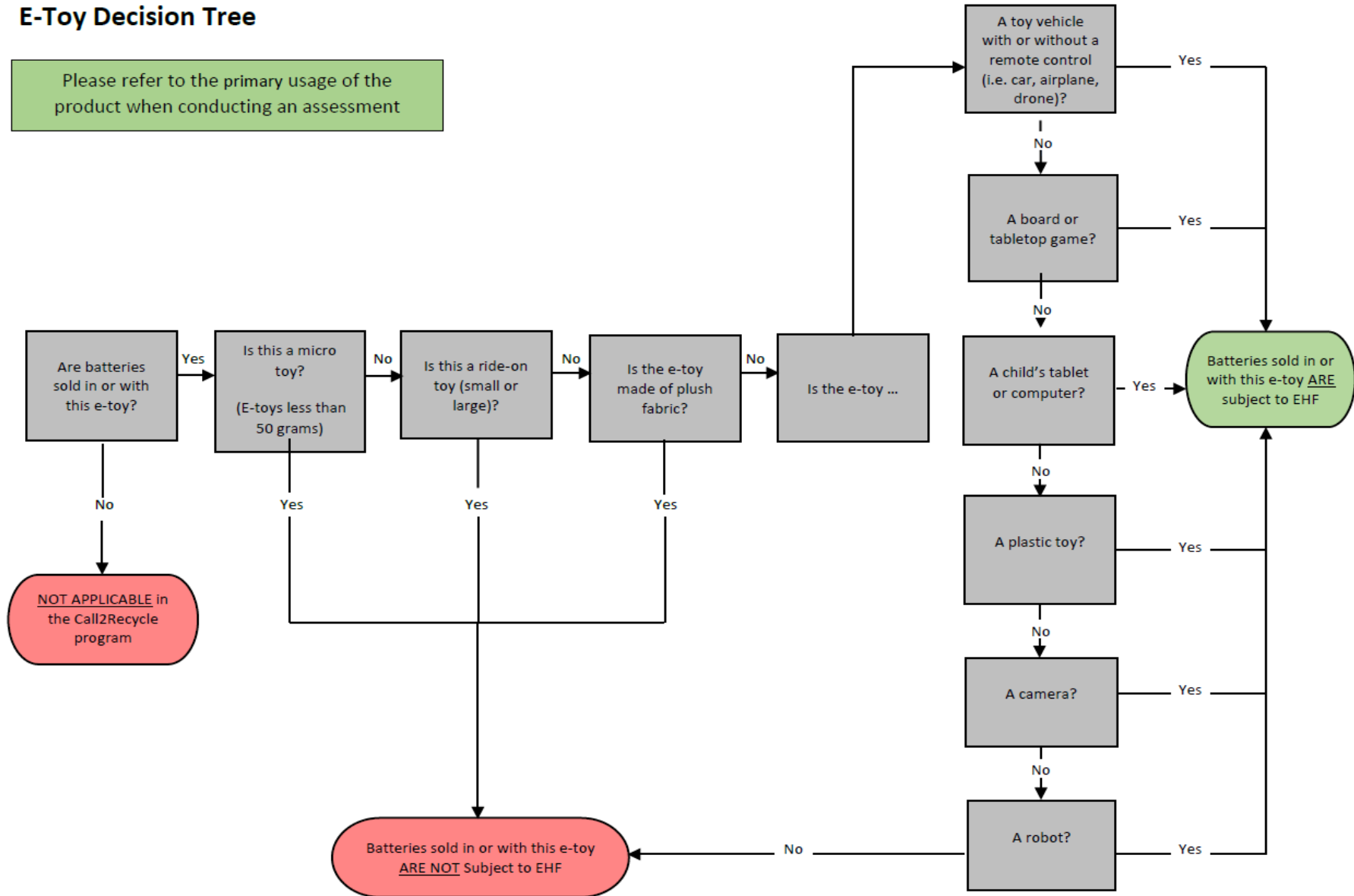
		As of January 1, 2020			
PRODUCTS	DESCRIPTION	EHF by Province			
		BC	MB	QC	PEI
<p>CONSTRUCTION/ RENOVATION TOOLS</p>	<p>Category Definition: Cordless electronic or electrical construction and renovation tools sold with a battery or batteries. Program products include, but are not limited to, those used 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 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> <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 multi-tool or combination kit</p>	See #6 of the Product Clarification	\$2.00	\$1.75	\$2.00

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

		As of January 1, 2020			
PRODUCTS	DESCRIPTION	EHF by Province			
		BC	MB	QC	PEI
<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 multi-tool or combination kit</p>	See #6 of the Product Clarification	\$2.00	\$1.90	\$2.00

E-Toy 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 inquiries on EHF's, contact Call2Recycle at 1.888.665.0908 or ehf@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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