Call2Recycle Canada

BC EPR Plan Amendments Consultation: Vapes/E-Cigarettes and 12 Volt Batteries



call2recycle®
Leading the charge for recycling.™

call2recycle.ca

Agenda

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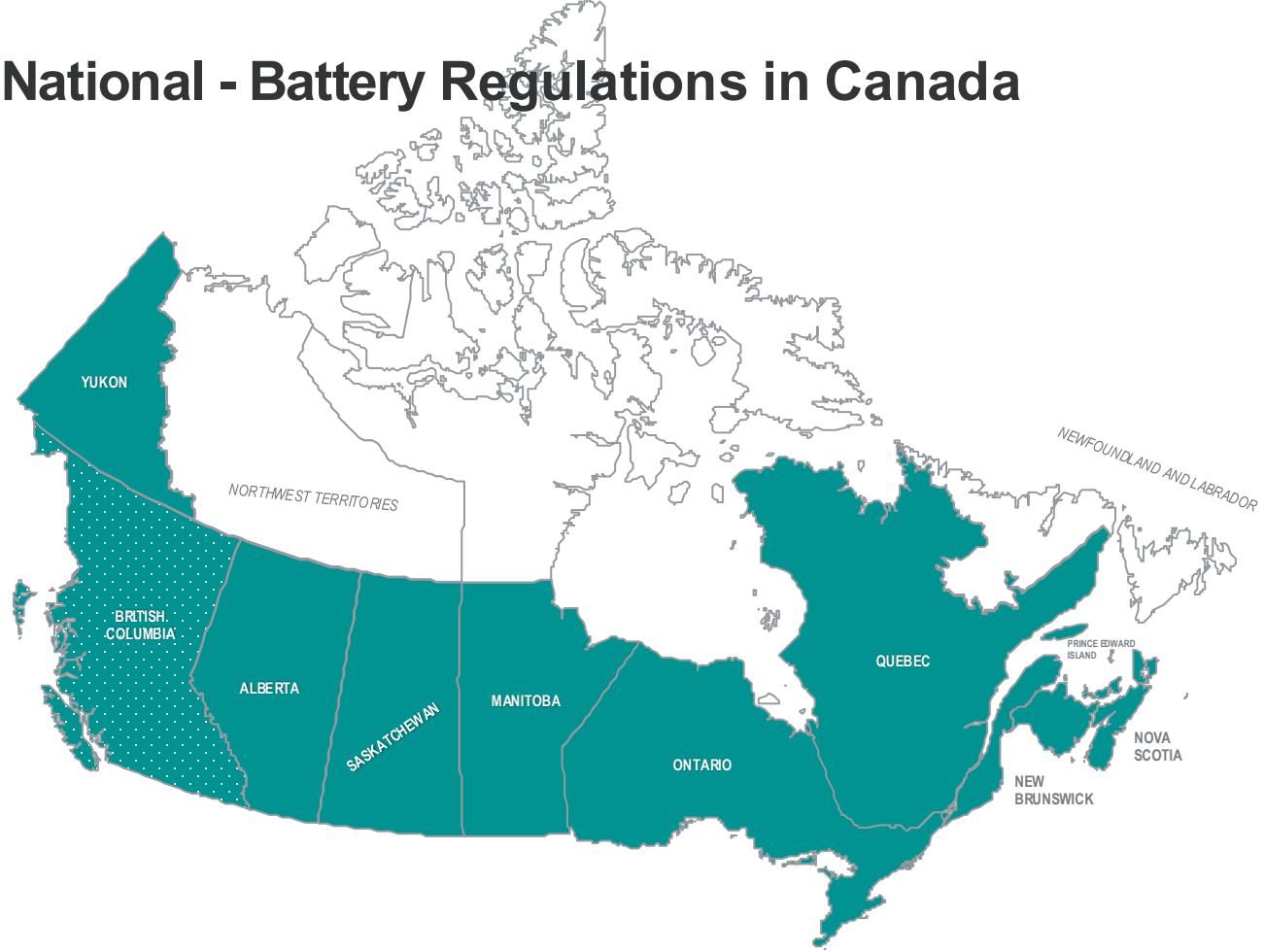
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About Call2Recycle Canada

- Call2Recycle® is a Canadian not-for-profit national battery Producer Responsibility Organization (PRO), fulfilling product stewardship obligations on behalf of over 400 producer members.
- Approved battery program in BC, SK, MB, QC, NS, NB, PEI, and YT, as well as a registered PRO in AB and ON for consumer batteries (under 5 kg).
- Vast national collection network of over 15,000 sites.
- Launched North America's first regulated vapes / e-cigarette EPR program, in Quebec
- Highest level of safety, compliance, performance and committed to operating a safe, free, and best-in-class turnkey program.
- Most recognized battery recycling organization meeting five rigorous global standards: certified R2v3, ISO 14001, ISO 45001, ISO 9001 and ISO 27001.
- Call2Recycle has diverted more than 60 million kilograms of batteries from Canadian landfills.

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National - Battery Regulations in Canada



Approved Battery Program Plan Operated by Call2Recycle

Approved Battery & e-Transport Program Plan Operated by Call2Recycle;

Voluntary Collection Program Operated by Call2Recycle

Note: There may be other battery programs in some jurisdictions.

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British Columbia Program History

- Launched a voluntary program in 1997.
- Batteries are regulated under the BC Recycling Regulation.
- Our regulated program launched under an approved plan in July, 2010.
- The program has experienced steady growth for the last sixteen years as the result of numerous awareness raising events, media and advertising efforts, and participation by our dedicated network of collection site partners.
- Call2Recycle has collected more than 10 million kg of batteries in the province since the launch of the regulated program and diverted them from the waste stream.



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The Environmental Handling Fee (EHFs)

The EHF covers the following costs for the battery program:



Program Design / Admin



Collections



Transportation



Education & Awareness



End-of-life Management



Reporting

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Accepted New Product Categories

Vapes and E-Cigarettes

- Disposable and reusable nicotine and cannabis devices, including their batteries.
- Eligible device-associated pods and cartridges, including separate returns.
- Whole-device returns. Consumers don't need to dismantle sealed devices or remove integrated batteries.

Qualifying 12-Volt Batteries

- Non-lead-acid batteries sold or labelled as 12 volts, with an outer case.
- Consumer-installable
- No minimum or maximum weight. Qualifying batteries over 5 kg are included.

Schedule 3: Portable External Power Products

Eligible jump starters, battery-containing generators, power packs, power stations and UPS products.

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Proposed Commitments: Launch and Pilot

Milestone	Proposed commitment
January 2027	Begin a province-wide voluntary vape program, predominantly through municipal and bulk collectors.
October 1, 2027	Commence regulated vape, qualifying 12-volt battery and portable external power services, subject to plan approval.
Two-year pilot	Operate each stream for 24 consecutive months from approved commencement. Proposed dates: October 1, 2027 to September 30, 2029.
Study after the pilot	Use pilot findings to develop measures and proposed targets for approval. Continue approved services throughout.

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Managing Obligated Materials

- Call2Recycle commits to using third parties to transport, sort and process all obligated materials with preference to qualified BC based service providers.

- Call2Recycle commits to managing and paying the required collection and management service costs that these third parties incur in handling obligated materials on behalf of producers.

- Call2Recycle regularly reviews existing service providers. New partners will be qualified, and their capabilities and required authorizations verified, before services begin. We continually monitor each processor to ensure competitive pricing and an ability to adapt to increases in volume.



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Managing Obligated Materials

- Collection facilities using Call2Recycle-provided containers receive the materials at no cost.
- Call2Recycle commits to covering transportation costs associated with shipping program-provided collection containers to and from participating collection facilities.
- Call2Recycle evaluates existing compensation rates against identified costs using study findings to help determine fair compensation. The total cost per kilogram is calculated as follows:

$$\frac{(\Sigma\ Direct\ Labour\ Costs + Overhead\ Cost)}{Reported\ Weight}$$



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Collection Access for New Products

- Call2Recycle will provide reasonable, free access to recycling services for the new product categories through qualified collection facilities.
- Existing household battery collection sites will only accept the new products if they are separately qualified. Our collection site locator will identify participating locations and the products they accept.
- Vapes / e-cigarettes: A province-wide voluntary vape recycling program is planned to begin in January 2027, primarily through municipal facilities and bulk collection partners.
- Qualifying 12-volt batteries will be collected at facilities equipped to safely handle their size, weight and chemistry.
- Call2Recycle will explore additional collection opportunities in remote and First Nations communities through the First Nations Recycling Initiative (FNRI).
- Call2Recycle will review collection access annually, using operating experience and feedback from consumers and collection partners to identify and address service gaps.

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Dispute Resolution Process

- Where contracts are in place, a dispute resolution procedure is outlined within our agreements.
- Call2Recycle will operate in good faith with its partners and will try to resolve a dispute without arbitration. Arbitration will only be used if both parties cannot come to a reasonable solution.
- Regardless of whether a contract is in place, Call2Recycle will follow the dispute resolution procedure.

Step	Dispute resolution process
1. Written issue	Once an issue has been raised in writing, representatives from Call2Recycle and the other party will attempt to resolve the issue within 30 days or a mutually agreed-upon timeframe.
2. Arbitration	If the parties cannot come to a resolution within the given timeframe, the two parties will jointly select a third party to arbitrate and settle the dispute with their decision. Arbitration will be consistent with the B.C. Arbitration Act, S.B.C. 2020, c. 2, where applicable.

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Stakeholders in BC are asking about vape recycling

Over 75 emails received from waste depots, municipalities, vape stores and consumers.

"I saw on your website that you offer vapes recycling but looks like it is only in Quebec. I'm wondering if there is a program for vapes recycling in BC or what resources are available in BC for vapes recycling."

"Hello, I am messaging to inquire about getting a recycling bin for batteries for my two vape store locations. We have many years of stacked up disposable battery vapes that we need to dispose of in bulk. Please let me know how we can join the program and if you guys can help!"

"I work in solid waste management, researching safe disposal and recycling options for vapes in BC.
I understand Call2Recycle recently started including vapes in QC under the EHF system, and I'd like to understand whether a similar approach is being considered or explored in BC.
Are vape products under consideration for EHF inclusion in BC with the recent policy shift in QC?
If so, what would need to happen for BC to implement a similar change?"

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Accepted Products: Vapes and E-Cigarettes

- Disposable and reusable vapes and e-cigarettes for nicotine or cannabis.
- Eligible device-associated pods and cartridges, including separate returns.
- Whole-device returns include the integrated battery. Consumers need not dismantle sealed devices or empty residual contents.



Examples of device formats

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Recycle Your Vapes Program

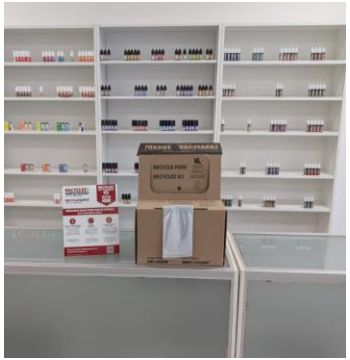
- Launched January 1, 2025 in Québec to help producers fulfill their expanded battery stewardship obligations.
- Dedicated collection and recycling for disposable and rechargeable vaping devices, batteries, pods and cartridges, with cannabis devices added later in 2025.
- Producer-funded and administered by Call2Recycle, supporting collection, transportation, processing and regulatory reporting.
- 400+ participating collection locations, including vape retailers and municipal eco-centres, with expansion to Société québécoise du cannabis (SQDC) stores.
- Operates similarly to Call2Recycle's battery collection program, but requires program-specific containers, collection guidelines and downstream handling for vaping devices and their components.
- Program-specific collection and education materials, supported by a dedicated brand and age-gated website.



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Vape Collection, Handling and Recycling

- Call2Recycle will supply dedicated, labelled containers. Vapes are collected separately from ordinary loose-battery boxes.
- Containers are to be stored in a cool, dry, secure location under staff supervision, away from heat and outside customer reach.
- Call2Recycle arranges collection and replenishment through program service providers using approved packaging and carriers.
- Qualified processors are used to manage whole devices, including batteries, plastics, metals, electronics and residual contents, and recover materials where practicable.





Discarded devices shown for illustration. Use program-approved packaging.

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Vaping Device Composition Learnings – Quebec



83% of material recycled

Average composition of a vaping device

33% Batteries

43% Plastics

18% Metal

6% Electronics

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Accepted Products: 12-Volt Batteries

- Consumer-installable 12-volt batteries used in applications such as automotive and powersports equipment, provided they meet Schedule 6 requirements.
- Non-lead-acid chemistries, including lithium-ion and lithium iron phosphate (LiFePO4).
- Eligibility requires a 12-volt sales description or label, an outer case and consumer connection or installation without professional services. No minimum or maximum weight.



Example of a 12-volt battery format

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12-Volt Battery Collection and Handling

Qualified Facilities

- Initial network expected to be a closed loop system, working closely with dealers, service centers and OEMs
- Collection facilities will be qualified based on their ability to safely handle the sizes, weights and chemistries of the batteries they accept.
- Call2Recycle will review collection demand and accessibility annually and adjust services as needed to address identified gaps.

Consumer Return Arrangements

- Consumers will be able to return eligible 12-volt batteries free of charge. Participating facilities and available services will be identified through the program's collection locator.
- Help consumers arrange returns through a suitable collection facility

Pickup, replenishment and special handling will be arranged with partners before services begin and adjusted based on experiences over time.

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12-Volt Battery Collection Receptacles

- We will be reviewing available collection receptacles, which will be separate from our household battery format.
- Qualified collection sites will test new collection containers as a collection option for applicable 12-volt batteries.
- Considerations include pallet-truck and forklift handling.
- Testing could assess site suitability, handling and pickup arrangements.
- Container selection and B.C. handling/transport suitability would be confirmed before use.



FPO: Demonstration of a potential receptacle

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Remote and First Nations Communities

- Call2Recycle works to improve battery recycling access in remote and First Nations communities by addressing accessibility to battery recycling as well as barriers related to collection, storage, and transportation.
- Call2Recycle partners with IZWTAG and other Producer Responsibility Organizations in BC through the First Nations Recycling Initiative to provide recycling services to First Nations communities.
- The partnership focuses on ensuring communities have the required materials to collect, store, and safely transport designated stewardship material from selected communities.
- We will work with FNRI to identify potential collection opportunities for the new product categories.

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Safety and Downstream Management

- Before services begin, Call2Recycle will confirm that collection facilities, transporters and recyclers are qualified to handle the products they accept and provide appropriate training and safety guidance.
- Packaging, storage, transportation and processing methods will be selected based on the type and condition of the products, in accordance with applicable safety and regulatory requirements.
- Vapes and e-cigarettes will be managed as whole devices, including any remaining contents, through qualified processors. Collected devices will not be refilled or redistributed.
- 12-volt batteries: account for weight, dimensions, chemistry and terminal protection. Arrange suitable handling for damaged or unusual items.
- Call2Recycle will report actual processing and hierarchy outcomes during the pilot using available data, including limitations and corrective actions.

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SMALL DAMAGED, DEFECTIVE OR RECALLED (DDR) LITHIUM BATTERY RECYCLING KIT

GUIDE.05.01.02
EFFECTIVE DATE: 03.18.2024
REVISED DATE:
REV:2.0

RECYCLE BATTERIES CANADA!

CONTENTS LIST



Overpack Box x1 | Metal Drum x1 | Metal Lid x1 | Locking Ring Clamp x1 | Bag of Fire Suppressant Material x1 | Drum Liner x1 | Zip Bags x15 | Tape x1 | Zip Tie x1 | Instructions x1 | Class 9 Label x1 | TDG Shipping Document (EN+FR) x2 | Equivalency Certificate Labels (EN+FR) x2 | Equivalency Certificate (SU 13786.2) Document (EN+FR) x2

UNPACK & PREPARE

Step 1: Unpack the overpack box



Carefully open the battery return kit and contents. This box will be used to return your battery.

Step 2: Install liner & pour base layer



Place provided liner into drum and pour in at least a 1/2-inch of provided fire suppressant material.

Step 3: Bag battery or device



Bag and seal into the provided bag.

Step 4: Place bagged items into can/liner



Bury the bagged battery or device into fire suppressant materials, making sure the item is **completely surrounded.**

Step 5: Fill drum



Pour the remaining fire suppressant materials into drum/liner up to the drum rim. Dispose the fire suppressant as per local regulations.

SEAL & SHIP

Step 6: Seal bag



Pinch and twist the open end of the bag and secure with provided zip tie.

Step 7: Seal drum



IMPORTANT:
SEE BACK FOR SPECIAL INSTRUCTIONS

Step 8: Pack box



Affix the Class 9 label to the overpack box in diamond orientation as illustrated. Affix both the English and French Equivalency Certificate labels to the box. Place sealed drum into overpack box and seal with provided tape.

Step 9: Secure & ship



Complete two TDG shipping documents per DDR kit shipment. Keep one for your records and provide one to your courier. Drop off the sealed kit at your assigned courier's local store* or call for pick-up. *Designated on return label.

- ***One battery or device per bag.***
- ***Maximum weight of batteries up to 10 kg.***
- *Use zip-style baggies for any additional batteries or devices.*
- *Packages containing damaged or defective lithium batteries are forbidden from air transport.*

Li-Ion

Scan for more safety information

For questions or assistance, please contact customer service.

The performance certification of this package requires that it be filled, assembled, and used in full accordance with the instructions herein. The use of substitute components or packing methods, or failure to follow the supplied instructions may result in a package that is not compliant with this certification. Instructions valid until revoked or superseded. The contents of this document are proprietary to Call2Recycle Canada, Inc. No distribution or dissemination or use of this material, or any portion thereof, is authorized without the expressed written consent of Call2Recycle Canada, Inc.

Use packaging and arrangements approved for the product and service.

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Consumer Awareness for the New Categories

Vapes and E-Cigarettes

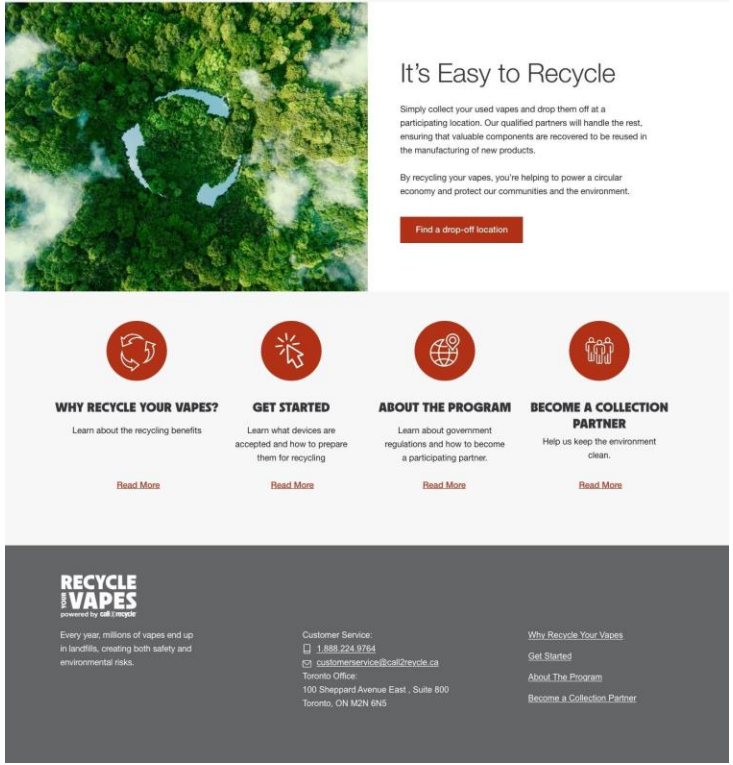
- Provide adult vape consumers (19+) and collection partners with clear, neutral information about accepted products, return locations and safe handling.
- Explain how to find participating collection locations and safely store devices before return. Communications will not target youth, promote vaping, or make health claims.
- Use annual consumer surveys to measure awareness of vape recyclability among adult vape consumers and establish awareness targets following the two-year pilot.

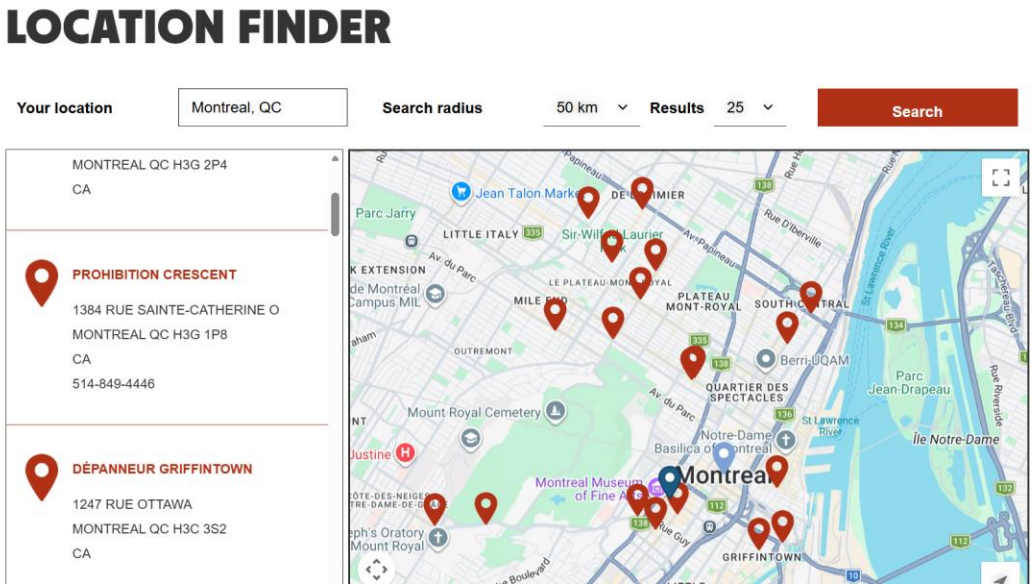
Qualifying 12-Volt Batteries

- Explain which 12-volt batteries are accepted, which products are excluded, where eligible batteries can be returned and how to handle them safely.
- Help consumers identify collection facilities equipped to accept their batteries and understand alternative return options where needed.
- Use findings from the two-year pilot to improve consumer education and establish awareness targets for qualifying 12-volt batteries.

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Recycle Your Vapes – Awareness Efforts





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Recycle Your Vapes – Awareness Efforts











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Proposed Commitments: Collection Services

Area	Proposed commitment
Network readiness	Qualify facilities, containers, handling routes and partners before the regulated services begin.
Service reviews and development	Review vape and qualifying 12-volt battery services annually. Expand or adjust services as needed to address gaps and meet approved commitments. Report findings and service changes by stream.
Access and regional reporting	Report facility locations, public/private status, sectors, coverage and actual regional collections. Explore further remote and First Nations opportunities through FNRI.
Later access targets	Develop numerical accessibility targets for vapes and qualifying 12-volt batteries after the two-year pilot and subsequent study.

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Proposed Commitments: Data and Targets

There is not yet enough information about the quantity of qualifying 12-volt batteries supplied and reaching end of life to establish reliable collection and recovery targets

Area	Proposed commitment
Collection reporting	Report vape and qualifying 12-volt collections in kilograms, including actual weights by regional district.
Pilot baselines	Use actual supply, collection, and operating data to establish baselines. Report results, data limitations, and improvements.
Post-pilot study targets	Establish vape collection and recovery measures and targets. Develop proposed 12-volt measures, numerical targets and timing.
Continuing obligations	Continue collection and management through and following the study and approval process. Approved access, funding, safety and reporting commitments apply throughout.

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Proposed Commitments: Vapes and E-Cigarettes

Area	Proposed commitment
Consumer information	Provide neutral, adult-facing information on accepted products, return locations, and safe handling.
Awareness measures	Report annual survey findings on recyclability awareness among adult vape consumers. Establish awareness targets after the two-year pilot, informed in part by these findings.
Processing outcomes	Verify handling routes and partners. Report actual pilot processing outcomes using available processor information and operating data. Evaluate additional reporting measures in the subsequent study.
Annual reporting	Report separate annual vape results by July 1. The first regulated-period report, due July 1, 2028, will cover October–December 2027. Will identify pre-launch voluntary activity separately.

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Proposed Commitments: 12-Volt Batteries

Area	Proposed commitment
Scope and service	Provide collection services for eligible Schedule 6 12-volt batteries through qualified facilities, and report annually on coverage, network changes, and service gaps.
Consumer awareness	Explain accepted products, return options, and safe handling. Report findings and improvements. Establish awareness targets after the two-year pilot, based on pilot learnings.
Environmental outcomes	Report actual processing outcomes, and use available processor information and operating data during the pilot.
Reuse assessment	Assess reuse viability and additional reporting measures in the post-pilot study.

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Proposed Commitments: Funding and Reporting

Area	Proposed commitment
Producer funding	Fund qualified collection and management services, including whole-device vape management. Provide free consumer returns.
Separate financial reporting	Report revenues and expenditures separately for household batteries, 12-volt batteries, and vapes/e-cigarettes, together with relevant reserves and cost allocations.
Reporting and assurance	Report results annually by July 1, with the first regulated-period report due July 1, 2028. Include applicable financial audit and independent non-financial assurance.

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Summary: New Product Services

- Call2Recycle will launch a province-wide voluntary vape recycling program in January 2027, followed by regulated services for vapes, qualifying 12-volt batteries and portable external power products on October 1, 2027, subject to plan approval.
- Provide free consumer returns through qualified collection services, with producer funding and appropriate safety and handling arrangements.
- Use the two-year pilot to establish collection baselines, evaluate program accessibility, and improve services. Develop proposed performance targets through the subsequent study.
- Separate financial reporting for the household battery, 12-volt battery, and vape/e-cigarette groups.
- Review vape and qualifying 12-volt battery collection services annually, using consumer and collection partner feedback to identify and address service gaps.

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Q&A

Written comments are welcome until December 8, 2026, at 5 p.m. PCT; Please submit written feedback on the new program products to **BCPlan@Call2recycle.ca**

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The Battery Recycling Journey Campaign – 2026



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Be Battery Safe Awareness Campaign – 2026



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Brand Ambassador to Inspire Canadians – 2026



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Leading the charge for recycling.™

Thank You

100 Sheppard Ave East, Suite 800
Toronto, ON M2N 6N5

