



## **End-of-Life Electronics Stewardship Program Plan Newfoundland & Labrador**

For the Period: **January 1, 2024 to December 31, 2028**

Submitted to: MMSB

Original submission: September 29, 2023

Revised submission: November 24, 2023

Revised submission: February 8, 2024

Revised submission: May 3, 2024

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## Introduction

Electronic Products Recycling Association (EPRA) is pleased to submit this Stewardship Program Plan for regulated end-of-life electronics (EOLe) in Newfoundland & Labrador.

EPRA NL launched in 2013 and at the end of 2022, we expanded to 58 permanent drop-off locations throughout the province and have collected 7,498 metric tonnes of EOLe since inception. Various special collection events were held throughout the province in areas with no permanent collection sites. Looking forward, EPRA NL will continue to build public engagement and drive end-of-life electronics recycling throughout the province.

EPRA is incorporated to deliver regulated programs in nine of ten Canadian provinces. Canada's electronics industry created EPRA in 2011, as the national not-for-profit entity charged with improving the efficiency and effectiveness of Canada's industry-led and regulated electronics stewardship programs.

### 1. Program Principles

EPRA Newfoundland and Labrador offers a stewardship program that is:

- Consistent with industry's guiding principles for stewardship programs and harmonization with other jurisdictions where and to the extent possible to create efficiencies;
- Open to all obligated stewards;
- Provides a level playing field that ensures fair competition;
- Achieves a high level of compliance and eliminates the potential for free-riders;
- Addresses the issue of orphan, historic, and imported products from companies without a presence in Newfoundland and Labrador;
- Ensures end-of-life program materials are recycled in a responsible manner, meeting all occupational health, safety and audit provisions of the Electronics Recycling Standard (ERS).
- Ensures the program is delivered in an environmentally sound and economically efficient manner.
- Includes public transparency through the annual reporting of key metrics and program performance.

### 2. Management Structure of the Plan

All activities associated with the program are managed by the Program Director, Newfoundland and Labrador. This includes:

- Establishing and maintaining a drop-off centre network for the program in the province.
- Establishing and maintaining the infrastructure for transportation of materials collected from the drop-off centre network.

- Day-to-day management of the collection and transportation network across the province.
- Program promotion and public awareness.
- Liaising with MMSB

## EPRA Atlantic Advisory Committee

### Regulatory Requirement:

(i) ongoing consultations about the electronic stewardship program with persons who the brand owner believes the environmental stewardship program may affect, including members of the public, in accordance with the guidelines established by the board;

EPRA has established an Atlantic Advisory Committee that meets twice per year to foster the exchange of information, share best practices and to discuss issues of local concern.

## 3. Program Details

This section of the proposal details the EPRA support of the steward obligation.

EPRA Newfoundland and Labrador endeavors to keep regulated electronic products from going to landfill, but also from illegal export through the collection and recycling of products at their end-of-life. Recovered materials are put back into the manufacturing supply chain so that fewer virgin resources are required. These benefits are emphasized in the communications and public awareness programs which encourages participation in recycling electronics.

The below table provides further insight into the fate of EOLE.

Material / Component	Process	END DESTINATION
<b>Leaded Glass</b>	Tubes are manually and mechanically separated and either cleaned and processed into cullet for use in glass production, or smelted for reclaim of lead from the glass.	Canada & United States of America
<b>Glass</b>	Non-leaded glass is manually separated for recovery and further use, or introduced into the smelting process as a silica flux substitute.	Canada & United States of America

<b>Plastic</b>	Plastics are manually and/or mechanically separated. Identifiable plastics are cleaned, sorted and pelletized for reuse; and unidentifiable plastics are landfilled or used as a fuel substitute, or managed through an energy-from-waste recovery process.	Canada, United States of America, China and Malaysia.
<b>Ferrous Metals</b>	Metals are manually and/or mechanically separated and smelted for reclaim.	Canada & United States of America
<b>Mixed Metals</b>	Metals are manually and/or mechanically separated and smelted for reclaim.	Canada & United States of America
<b>Wood</b>	Materials are manually separated and managed through an energy-from-waste recovery process or landfilled.	Canada
<b>Circuit Boards</b>	Boards are manually and/or mechanically separated and smelted for reclaim of metals, while the plastics are used as a fuel substitute.	Canada, United States of America & Japan
<b>Wires/Cables</b>	Manually and/or mechanically separated and smelted for metal recovery, while the plastics are either used as a fuel substitute, or mechanically separated and landfilled.	Canada & United States of America
<b>Copper</b>	Metals are manually and/or mechanically separated and smelted for reclaim.	Canada & United States of America
<b>Aluminum</b>	Metals are manually and/or mechanically separated and smelted for reclaim.	Canada & United States of America
<b>Other</b>	Materials are manually separated and managed through an energy-from-waste recovery process or landfilled.	Canada & United States of America
<b>Batteries</b>	Mechanically separated for recovery of materials.	Canada & United States of America
<b>Ink/Toner Cartridges</b>	Cartridges are cleaned and reconditioned for reuse or processed through an energy-from-waste recovery process.	Canada & United States of America

<b>Dusts</b>	Mechanically separated and smelted for reclaim.	Canada, United States of America and Japan
<b>Mercury Lamps</b>	Lamps are mechanically processed and separated into glass, metal and phosphor powder material streams. Phosphor powder is further distilled for mercury recovery. Metal and glass are also reclaimed for further use.	Canada & United States of America
<b>Ethylene Glycol</b>	The glycol is manually drained from the light tubes and refined for further use.	Canada & United States of America

EPRA encourages the safe and environmentally responsible reuse and refurbishing of electronic devices. In addition to encouraging residents to consider reuse options prior to recycling their devices, EPRA continues to work closely with Computers for Schools+ in this capacity. Should an organization approach EPRA to dispose of electronics with remaining useful life, we direct them to Computers for Schools+. CFS-NL's primary focus is extending the life of technology through reuse. Donations, typically surplus equipment from federal, provincial, and private donors, are refurbished and redistributed to schools, charities, not-for-profit organizations, and to low income earners across Newfoundland and Labrador. Unusable equipment or equipment that is not viable at the time of donation is recycled with EPRA NL.

## 4. Program Funding

Regulatory Requirement:

(m) where a brand owner charges a separate fee with respect to the costs of implementing and operating an electronic stewardship plan, a description of how that fee will be collected and used)

### Environmental Handling Fee (EHF)

The program is funded by an Environmental Handling Fee (EHF) that is levied on sales of new products listed under the Regulation. The EHF allows residents and businesses to drop-off regulated electronic products at designated drop-off sites at no charge with the assurance that these items will be responsibly recycled.

The EHF for each product designated by regulation reflects the true cost of managing that product. The EHF provides sustainable funding for collection, handling, consolidation, transportation, recycling, communications, public awareness, compliance/administration, and environmental audits.

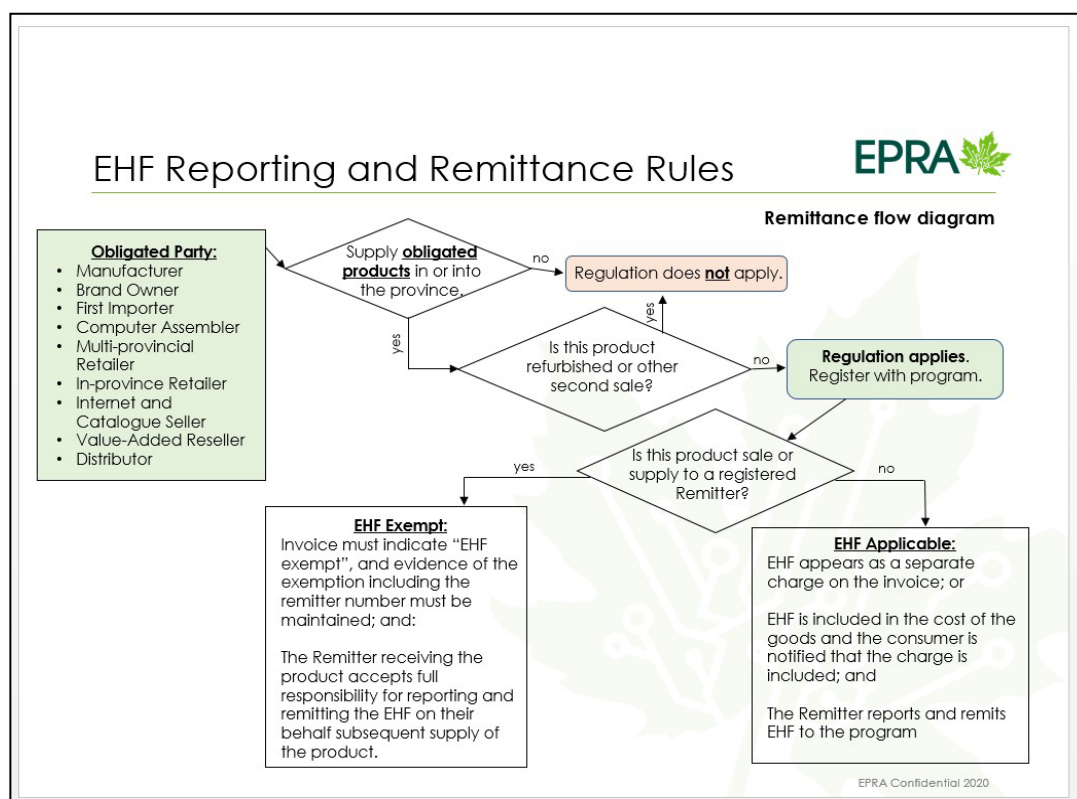
## Setting the EHF

The environmental handling fee is set by product category. EPRA undertakes regular financial reporting to monitor revenue generated by the program and to ensure that funds are sufficient to fund all of the program activities and a contingency reserve is available in the event that collection and recycling costs exceed the funds available. This can happen in times of economic downturn or other unforeseen events, nevertheless requiring an uninterrupted, responsible electronics recycling service to continue. The contingency reserve guideline allows for twelve to eighteen months of operating costs to ensure a sustainable operation. The EPRA Newfoundland and Labrador program shall be audited annually by an independent external auditor.

The reserve represents the accumulated surplus or deficit of the Program from inception and is necessary to ensure the program is not destabilized due to increases in operational costs or unexpected drops in revenue i.e. a recession. In the event that the reserve exceeds or falls short of the plan, EPRA will consider making adjustments to the EHF rates.

## EHF Reporting & Remittance

Obligated brand owners, also referred to as stewards, registered under the EPRA plan remit EHF's monthly to EPRA for their previous month's net sales (total sales less returns) or less frequently if they meet our small remitter provisions. Because the product supply chain is complex and electronics are sold through a variety of channels, each registered steward is classified as either a "Remitter" or "Pay-on-Purchase" (POP) steward. While a Remitter would usually be a larger entity (e.g. manufacturer, national retailer or distributor), they can also be a small, provincially-based reseller or retailer. The POP classification was introduced to minimize the administrative burden of monthly reporting on these smaller, local resellers and retailers. However, these smaller, local businesses may choose to be either a Remitter or POP.



## Program Cost Management

### Regulatory Requirement:

(l) a description of how a brand owner will manage costs associated with the implementation and operation of an electronic stewardship plan;

EPRA NL operates within established budgets to manage program costs. Additionally, operational expenses are reviewed on an ongoing basis and appropriate action taken as needed. As an example, EPRA NL completed a redesign of its collection and transportation network in 2022 to make it more operationally and financially effective.

## 5. Program Summary

This document outlines updates to our approved Electronic Products Stewardship Plan to divert designated end-of-life electronics (EOL) from disposal, as required by the Multi-Materials Stewardship Board (MMSB) and in line with the Waste Management Regulations 2003, Environmental Protection Act (Newfoundland and Labrador Regulation 85/12).

EPRA NL is responsible for all devices listed in Part V, Section 31.18(f) of the NEWFOUNDLAND AND LABRADOR REGULATION 85/12 (Waste Management Regulations, 2003), including those added under Section 31.18(f) (ix). Appendix 3 provides notification of the most recent product additions.

### Regulation:

<https://www.assembly.nl.ca/legislation/sr/annualregs/2012/nr120085.htm>

As per Section 31.23 of the Regulation, EPRA is submitting this stewardship plan renewal. The Regulation requires that the plan includes the following information:

**31.23** An electronic product stewardship plan shall provide for the following:

- (a) the collection of e-waste in the province, including the collection of the e-waste of other brand owners through an electronic stewardship program;
- (b) the management of e-waste in adherence with the following, in order of preference:
  - (i) reuse,
  - (ii) recycle,
  - (iii) recover, and
  - (iv) dispose;



- (c) the brand owner's expected performance target and timelines for both the recovery amounts of e-waste and the reuse or recycling rates of the collected e-waste;
- (d) the brand owner's plan for achieving at least that performance target;
- (e) a description of the planned activities which will be undertaken to influence the redesign of electronic products to improve reusability, recyclability and to reduce e-waste;
- (f) a description of the efforts made by the brand owner to maximize the local economic benefits created through the implementation of the electronic product stewardship plan;
- (g) a communications plan for informing consumers of the brand owner's electronic product stewardship plan which includes
  - (i) a description of products accepted at return collection facilities,
  - (ii) the location of all return collection facilities,
  - (iii) how and when consumers can access return collection facilities,
  - (iv) the environmental benefits of participating in the electronic product stewardship program, and
  - (v) the types and frequency of media to be used in the promotion of the electronic product stewardship program;
- (h) the establishment of return collection facilities or other return collection methods that will ensure reasonable and free consumer access for the return of e-waste;
- (i) ongoing consultations about the electronic stewardship program with persons who the brand owner believes the environmental stewardship program may affect, including members of the public, in accordance with the guidelines established by the board;
- (j) a listing of all brand owners covered under a stewardship plan in the form prescribed by the board;
- (k) brand owner qualification standards and information demonstrating how electronic products and e-waste collected will be managed in a manner that employs environmental and human health and safety standards meeting or exceeding applicable federal, provincial and municipal regulations;
- (l) a description of how a brand owner will manage costs associated with the implementation and operation of an electronic stewardship plan;
- (m) where a brand owner charges a separate fee with respect to the costs of implementing and operating an electronic stewardship plan, a description of how that fee will be collected and used;
- (n) the assessment of the performance of the brand owner's plan by an independent auditor; and
- (o) the elimination or reduction of the environmental impacts of electronic products and e-waste

## 6. Collection, Transportation and Consolidation

### Regulatory Requirement:

- (a) the collection of e-waste in the province, including the collection of the e-waste of other brand owners through an electronic stewardship program;
- (h) the establishment of return collection facilities or other return collection methods that will ensure reasonable and free consumer access for the return of e-waste

The EPRA Newfoundland and Labrador program collects designated program materials across the province. Residents and businesses have access to a network of drop-off sites that provide adequate and convenient free of charge drop-off service. Drop-off sites shall be strategically located considering the factors of population size, availability of regional waste management infrastructure and geographic constraints to ensure that the majority of residents are covered by the program. EPRA NL will provide the collection tonnage to MMSB annually, subject to the approval of the sites to release their confidential business information.

Where no permanent site exists, service is provided via a special collection event. These events are held annually in partnership with a local organization such as a fire department, Lions Club or school. EPRA NL and the local partner work together to market the event. The local entity oversees the collection from the public on the event day, and EPRA NL ensures that the material is picked up from the site and transported for recycling. These typically result in low volumes of collected material but serve to provide an opportunity for local residents to divert EOLE from landfill. EPRA NL will provide the results of the collection events to MMSB annually.

Appendix 1 presents those locations where collection activities are offered for each of the 12 Provincial Waste Management Regions. Appendix 1 designates those locations where a permanent site is required or where service will be provided using other service arrangements such as a special collections event. The Appendix also notes where there have been changes since the previous program plan submission. In addition to a number of new collection sites, the other change is the removal of the community of Black Tickle from the list. Over the course of several years, no on-the-ground partner could be found to assist with collection despite efforts by EPRA NL to do so. Finally, in 2022, a partner was identified and despite both their and EPRA NL's best efforts, a total of eight items were collected over a four month period demonstrating no demand for the service. In light of these challenges, EPRA issued a formal request to MMSB to remove this community from the list of service required communities. Should the need arise at a later date for electronics recycling, EPRA will provide collection services.

Regulatory Requirement:

(j) a listing of all brand owners covered under a stewardship plan in the form prescribed by the board;

Appendix 2 presents a list of all brand owners covered under this stewardship plan.

## **Maximizing Local Benefits**

Regulatory Requirement:

(f) a description of the efforts made by the brand owner to maximize the local economic benefits created through the implementation of the electronic product stewardship plan;

The collection, transportation and consolidation network across the province has evolved to allow for local businesses and entities to reap economic benefit.

- EPRA NL works with 65 collection sites (as of September 2023) comprised of select green depots, regional waste management authorities, municipalities, retailers and private businesses.
- EPRA NL employs the services of two regional waste management authorities and two private businesses to act as consolidation sites.
- EPRA NL employs the services of six private trucking companies across the province to collect EOLE and deliver these to the consolidation sites.
- EPRA NL works closely with various volunteer fire departments and local schools to offer special collection events in areas with no permanent collection site.
- EPRA Marketing and Communication program is optimized so that the majority of spend is with local media and communication outlets and service providers.
- A full time program director is located in the province and manages the program on a daily basis.

## **7. Performance Measures**

Regulatory Requirement:

(c) the brand owner's expected performance target and timelines for both the recovery amounts of e-waste and the reuse or recycling rates of the collected e-waste;

### **Collected Tonnage as a Program Indicator**

A notable waste reduction trend within the electronics industry is the lightweighting of products. This means that although more units are being put on the market, the

collective weight of those units is much less today than it was historically. Lightweighting is the process of removing weight from a component or assembled product, creating product redundancies by amalgamating functions into a single device, or removing a product from the market altogether. This is achieved through design innovations that have resulted in smaller products (miniaturization), less or different materials being used, and new innovations that displace older technologies.

In fact, the 2022 Design for Environment Report provides significant information about the reducing weight of electronics put on market “Consumer electronics like smart phones, televisions, and laptops are becoming smaller, lighter, and combine more functions every year. Additional technology innovations, like improved battery life, leads to a reduction in the total weight of electronics put on market”.

E-waste reduction through lightweighting has been observed in several Canadian provinces:

- Ontario: Ontario reports a 4% decline from 2020 to 2021 in electronics put on market weight, despite an increase in the scope of products being registered for resource recovery. Over the past 10 years in Ontario the amount of electronics returned for recycling or reuse has declined from 5.6 kg per capita to 2.2 kg per capita as the impact of lighter products works through the return program.
- British Columbia: Data published by the Electronic Products Recycling Association in annual reports to the province demonstrated a reduction trend consistent with Ontario and U.S. counterparts. Over the past 10 years in British Columbia, the amount of electronics returned for recycling has declined from 5 kg per capita to 2.4 kg per capita.
- Alberta: From 2015 to 2018, the per capita weight of electronics collected declined from 4.1 kg to 2.4 kg.

As weight-based targets will become increasingly more difficult to achieve as products become lighter, EPRA will report on Recovery Rate. Recovery rate is calculated as the percentage of weight collected in the current year/estimated weight of products historically put on the market. The below table provides the recovery rate target based on best available data. Targets are subject to change once the Available to Collect Study is completed.

Recent changes in selected US states towards accessibility and convenience as measures of success for e-waste EPR programs may be an early indication of a more widespread trend to modernize end-of-life requirements that reflects the realities of product lightweighting.

The State of Illinois' Consumer Electronics Recycling Act establishes a statewide system for recycling and/or reusing a defined scope of electronic devices and requires that electronics manufacturers participate in the system that is defined by the legislation. Manufacturers are required to submit annually, either individually or through a manufacturers' clearinghouse, an e-waste program plan to the Illinois Environmental Protection Agency that outlines how each county which chooses to participate in the program will be serviced. Recently, the Act was amended to modernize the system

and part of that modernization was the removal of weight-based targets and the introduction of a convenience standard. This change, which took effect in 2019, requires manufacturers to establish a minimum number of collection sites based on population density in municipalities that opt-in to the program. The intent is to increase e-waste recycling by increasing consumer participation.

South Carolina's Manufacturer Responsibility and Consumer Convenience Information Technology Equipment Collection and Recovery Act first came into effect in 2011 and focused on banning the disposal of certain electronics in landfill before it was amended in 2014 to create recycling obligations. Further revisions to the Act were passed in the state's 2021-2022 Legislative Session to modify recycling obligations for televisions and computer monitor manufacturers. Similar to Illinois, the legislative amendments eliminated weight targets in favour of a convenience standard that would increase consumer access to drop-off sites while still requiring manufacturers to fund the program. This convenience standard requires one collection site in each county with a population under 100,000; two sites in each county with a population between 100,000 and 200,000; and three sites in counties over 200,000 people. Changes came into effect in 2023.

Oregon is the most recent state to update its e-waste laws and remove weight-based targets in favour of a convenience standard. This update took place in 2023, but indication that change was likely to come became evident in 2018 when the state approved recycling targets that were 22 percent below the previous year's obligation. This new convenience standard requires that "95% of residents are within 15 miles of a collection site, including that there is at least one site in each county and that each city provides a minimum number of sites based on population" as well as requiring that Producer Responsibility Organizations "provide convenient and equitable service throughout the state, including to rural areas and minority, lower-income and other historically underserved populations." In addition to the new convenience standard, the updated law also expanded the scope of obligated products.

A 2020 study by the Rochester Institute of Technology (RIT) documented the lightweighting trend, presenting the following findings:

- The collective material footprint of electronics in the US has declined since 2000, despite a 650% growth in unit sales between 1990 to 2018
- In 2018, 375 million electronic units were sold to US households with a collective weight of 0.6 million metric tonnes, vs. in 1990, 50 million electronic units were sold to US households with a collective weight of 0.7 million metric tonnes

### **Available to Collect Study**

EPRA NL commits to completing an Available to Collect Study that will provide additional insight into program performance. Commencing in 2024, the study will focus on regulated end-of-life electronics from residential and commercial sources that can be collected (are available) for recycling in the province of Newfoundland & Labrador. The study will also identify and examine current practices for handling or disposing of regulated end-of-life electronics not collected by EPRA, thus "unavailable". Factors to

be considered include:

- ◆ Annual sale of regulated electronic products
- ◆ Typical weight of the different categories of electronic devices
- ◆ Typical lifespans of different categories of electronic devices
- ◆ Tonnage of EOLE generated (using the three previous metrics)
- ◆ Tonnage of EOLE available to collect (in the current year)
- ◆ Tonnage of EOLE not available to collect -

EPRA NL will work with MMSB in solidifying the scope of the study.

### Performance Measures

Commencing in 2024, the EPRA NL Annual Report will include the following annual performance measures with agreed upon targets for select measures.

Program Indicators	Performance Measures	Targets
Tonnage	Total EOLE collected (MT)  Total EOLE collected per capita (kgs)  Total EOLE collected by waste management region	No target. Reporting requirement only.
Financial	Total program costs per tonne	No target. Reporting requirement only.
Recovery Rate	Weight collected/weight supplied	38% for 2024 and 2025  2026, 2027 and 2028 targets will be determined once the Available to Collect study is complete.
Awareness	Percentage of the population aware of the program	80%
Accessibility	Percentage of the population covered by collection sites	97%

## 8. Plans to Achieve Performance Targets

Regulatory Requirement:

(d) the brand owner's plan for achieving at least that performance target;

Awareness and Accessibility are the predominant drivers to achieve performance targets.

Accessibility: EPRA will conduct regular reviews to ensure the network meets the needs of the province. As a broad guideline, EPRA will look to source collection sites or collection events within a 30 minute drive of residents, but recognizes that there may be challenges in certain rural and remote regions.

EPRA NL has developed an extensive network and will maintain an Accessibility coverage of 97% accessibility based on:

- Urban sites that can be accessed within a 30 minute drive.
- Rural sites that can be accessed within a 45 minute drive.

Awareness: EPRA has seen a steady increase from 70% in 2013 to 81% in 2022. To continue to educate and inform residents and businesses, EPRA conducts extensive media campaigns twice annually. The website ([recyclemyelectronics.ca/nl](https://recyclemyelectronics.ca/nl)) continues to be a good source of information and also hosts the site map that identifies the drop-off site closest to the customer. In 2022, EPRA NL employed Facebook geo-targeting to educate and inform customers about the presence of sites in their area and to promote special collection events. Geo-targeting via Facebook will continue to be a tactic employed by EPRA NL. This Geo-targeting activity is intended to motivate residents of N.L. to take action and may impact the other metric of awareness.

EPRA NL also has an extensive network of program partners and has made significant strides to connect with businesses and drive Industrial, Commercial and Institutional (ICI) EOLE collection. In 2023, significant updates were made to the [recyclemyelectronics.ca](https://recyclemyelectronics.ca) website that included a fully revised approach for ICI customers to contact and arrange collection for their electronics. EPRA NL will also continue its practice of conference and event attendance, message communication through membership social channels and event sponsorships.

### ICI Collection

EPRA NL will be developing new partnerships and processes to enhance ICI awareness and collection by leveraging its decade of service delivery in the province and its commitment to data security. This involves a number of initiatives including attendance/sponsorship at industry events to position EPRA NL as the go-to resource for electronics recycling, direct messaging through partner newsletter and social channels that reach the right audience, direct outreach to large businesses and organizations, and website updates that make it easy for ICI customers to arrange a custom pickup. An example of a recently developed new partnership is techNL. EPRA NL was a sponsor

of their annual conference which allowed EPRA NL to present its program to over 200 senior company representatives.

## 9. Audit Systems

### Regulatory Requirement:

(k) brand owner qualification standards and information demonstrating how electronic products and e-waste collected will be managed in a manner that employs environmental and human health and safety standards meeting or exceeding applicable federal, provincial and municipal regulations;

(n) the assessment of the performance of the brand owner's plan by an independent auditor;

(o) the elimination or reduction of the environmental impacts of electronic products and e-waste

EPRA has adopted and/or implemented audit standards and protocols to assist in ensuring that both its registered members and contracted recyclers achieve and maintain compliance with the EPRA Program and governing regulation.

[Recycler Qualification Program 2015](#)

[Electronics Recycling Standard 2015](#)

### Regulatory Requirement:

(n) the assessment of the performance of the brand owner's plan by an independent auditor;

The performance of the brand owner's plan will be assessed after a minimum of one year from the date of implementation and at the request of MMSB.

## 10. Options For Electronics

### Regulatory Requirement:

(b) the management of e-waste in adherence with the following, in order of preference: (i) reuse, (ii) recycle, (iii) recover, and (iv) dispose;

**Reuse:** Reusing electronic products will be promoted through the communications and public awareness program as the first option where markets and opportunities for reuse in-province exist. For Newfoundland & Labrador residents considering this option, attention to the protection of personal information is necessary. The EPRA website provides some guidance in this area. <https://recyclemyelectronics.ca/nl/how-to-prepare-your-device>

EPRA has published an Electronics Reuse & Refurbishing standard - <https://rap.ca/wp-content/uploads/2016/12/2.-Electronics-Reuse-and-Refurbishing-Standard-ERRS-2016-16.12.29.pdf> to enable the safe and environmentally responsible reuse and



refurbishing of electronics. By qualifying not-for-profit and charitable entities who meet the criteria outlined in the standard, donors gain assurance that products reused through these organizations will be handled in a responsible manner. EPRA has worked closely on this issue with the local affiliate of Computers for Schools+ who have successfully completed the assessment process and have been verified under the Electronics Reuse and Refurbishing standard here:

[https://reporting.epra.ca/?process=extranet\\_rqo\\_list&language=en%20](https://reporting.epra.ca/?process=extranet_rqo_list&language=en%20)

**Recycle/Recover:** Recycling or processing of end-of-life electronics will be promoted as the final option. Recycling, which diverts electronic waste from landfills and illegal export, typically involves some form of “primary” or initial processing, which may include dismantling and sorting of material by hand or by more elaborate mechanical means. Further manual or mechanical separation of materials by another vendor or vendors is considered “downstream” processing. Material flows will be tracked to their “point of final processing”, i.e. where they are altered into a new product or state or, for unrecyclable hazardous materials, to their point of disposal, i.e., where they are disposed of in an environmentally sound manner.

Should electronics be improperly disposed and end up in landfills, toxic chemicals may be released, impacting the earth's air, soil, water and ultimately, human health. Proper recycling prevents ewaste from being illegally exported or handled by irresponsible recyclers, ensuring worker health and safety protection. All EPRA/Recycle My Electronics recyclers are prohibited from exporting electronics to non-OECD (Organization for Economic Cooperation and Development) nations.

**Disposal:** EPRA's utilization of the Electronic Recycling Standard (ERS) ensures the majority of materials resulting from the processing of regulated end-of-life electronics are responsibly recycled and put back into the supply chain. However, there will be selected materials for which there is no viable option for recycling. An example would be wood waste from older television consoles. For these materials, EPRA will require that processors follow established municipal guidelines.

### **Redesign:**

Regulatory Requirement:

(e) a description of the planned activities which will be undertaken to influence the redesign of electronic products to improve reusability, recyclability and to reduce e-waste;

EPRA will regularly publish a report which focuses on the “up-stream” investments the global electronics industry is making in ensuring their devices are sustainable. This report will highlight the industry's progress related to designing environmentally-conscious products, explaining market trends impacting the recovery of these devices, along with the many technological advances that are creating change in electronics design.

## 11. Communication and Public Awareness

### Regulatory Requirement:

- (g) a communications plan for informing consumers of the brand owner's electronic product stewardship plan which includes
- (i) a description of products accepted at return collection facilities
  - (ii) the location of all return collection facilities
  - (iii) how and when consumers can access return collection facilities
  - (iv) the environmental benefits of participating in the electronic product stewardship program, and (v) the types and frequency of media to be used in the promotion of the electronic product stewardship program;

EPRA/Recycle My Electronics is recognized as a national leader in product stewardship and e-waste diversion. EPRA/Recycle My Electronics communications strategy promotes the program's promise of integrity, as an organization led by robust standards and strict auditing processes. Through EPRA/Recycle My Electronics, regulated electronic products are not only diverted from landfill and recycled but also prevented from being illegally exported.

EPRA/Recycle My Electronics is responsible for safe, secure recycling of electronics. Recycle My Electronics is EPRA's award-winning, consumer-facing awareness program that promotes the importance of recycling end-of-life electronics (EOLE), as well as the ease and accessibility of doing so. Recycle My Electronics communicates to national and local audiences the significance of e-waste recycling and the importance of recovering valuable resources in a safe, secure and environmentally sound manner.

### Communication Goals:

- Maintain program awareness in the province of Newfoundland & Labrador.
- Communicate to all audiences about the importance of recycling end-of-life electronics (EOLE) and recycling through the EPRA/Recycle My Electronics program.
- Provide EPRA drop-off locations across the province with communication materials that help consumers and business understand what and where to recycle end-of-life electronics.
- Ensure drop-off locations are being well informed regarding electronic products included in the program and provide accurate information to customers.

**Integrated Campaigns:** EPRA/Recycle My Electronics integrated promotional and education campaigns are amplified during strategic campaign frames, such as Earth Week and Waste Reduction Week/Circular Economy Month in Canada. During these timeframes, media interviews and a strong digital strategy compliments messaging, keeping the importance of recycling top-of-mind. Websites and integrated campaigns are English and French. EPRA/Recycle My Electronics offers an online learning hub, geared to young Canadians and educators.

**Ops Communications:** EPRA/Recycle My Electronics continues to extend reach and program awareness by outfitting collection sites with signs and brochures. A collection centre-specific newsletter was initiated in NL in 2022 to provide the latest information to collection centre operators. EPRA/Recycle My Electronics offers curbside rejection stickers to allow haulers to tag and leave electronic waste at the curb. To support distribution of these stickers, EPRA distributes these to interested parties upon request, displays these in the tradeshow booth at various events and communicates their availability to various waste management authorities.

**Steward Support and Point-of-Sale Materials:** EPRA/Recycle My Electronics offer a toll-free, bilingual call-centre will continue to accommodate inquiries from residents and stakeholders. The call-centre helpline will continue to be an important communication tool, along with point of sale materials, webinars, company newsletters and product clarification updates to keep the steward audience engaged. Examples of POS materials can be found below.

Program Brochure

<https://recyclemyelectronics.ca/ordering/product/newfoundland-and-labrador-program-brochure>

Tent Card

<https://recyclemyelectronics.ca/ordering/product/newfoundland-and-labrador-tent-card>

**Responsive Communication Materials:** EPRA/Recycle My Electronics will continue to seek feedback, to ensure stakeholders are receiving the communication and materials they require to do their part. Steward and program awareness polling will continue to be conducted on an annual basis to determine satisfaction in stewardship relations, and public perception and awareness of electronics recycling in the province.

## 12. Product Additions

On November 8, 2023, the MMSB Board of Directors and the Minister of Environment and Climate Change added to the list of products included under the electronic product definition, Section 31.18 (f) (ix) of the Waste Management Regulations. The following list of products has been added:

- Floor and carpet care appliances
- Garment care appliances
- Appliances for counter-top cooking
- Devices for cutting food items and opening or sealing containers or packages
- Devices for measuring time
- Personal care appliances
- Scales
- Portable air treatment appliances

The above products join those currently obligated:  
<https://recyclemyelectronics.ca/nl/what-can-i-recycle>

Impacted brand owners or their appointed agents are to begin by submitting an application to the board for registration within 120 days of receipt of this notification followed by the submission of a new or amended stewardship plan(s). With the submission of this program plan, this regulatory requirement has been met. Once approved, EPRA NL will have another 120 days to implement. It is anticipated that approximately 12 new stewards will be added as the current list of stewards captures those stewards impacted by the new product additions.

## Communication of Product Additions

In advance of the implementation date, EPRA will ensure that our relevant stakeholders are informed of all product additions.

### Drop-off Centre Locations

Drop-off centre locations will be provided with the list of the newly accepted products as well as updated external building signage and program brochures. Drop off centers will also be offered staff training to ensure they are fully aware of all accepted program products. Additional on-site visits will be conducted by the EPRA NL Program Director to ensure awareness.

### Regional Waste Management Authorities

Meetings will be held with the relevant waste management authorities to ensure they are aware of the regulation changes and can coordinate information to the public through municipal waste management programs. Waste management authorities will also be supplied with various communication aids (prepared social media posts, brochures, etc.) to assist with their messaging.

### Public Information

The EPRA NL website will be updated, Facebook messaging will be generated and "Point of Sale" materials for retailers/stewards such as brochures, tent cards and signage will be updated to reflect the changes.

### Launch Event

To enhance public awareness, EPRA NL will work with MMSB and the Department of Environment & Climate Change to determine interest in holding a joint launch event with media coverage, similar to that held for the previous product additions.

### EPRA NL Spring Campaign

Each spring, EPRA NL launches an awareness campaign in the province. The Spring 2024 campaign will focus on the latest round of product additions. This will be an excellent opportunity to leverage local radio stations like VOXM and Coast FM to communicate the continued growth of the program and the importance of electronics recycling.

**Appendix 1. Site List and Service Level by Waste Management Region, Noting Changes from the Previous Plan.**

<b>Eastern Region</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Wabana	New		x
	Witless Bay	New		x
	Renews	New		x
	Bay Roberts	No change	x	
	Carbonear	No change	x	
	Clareville	No change	x	
	Conception Bay South	No change	x	
	Mount Pearl	No change	x	
	Paradise	New	x	
	Placentia	No change		x
	Riverhead	Updated from St. Joseph's		x
	Whitbourne	New		x
	Arnold's Cove	New		x
	Old Perlican	New		x
	St. John's (3)	No change	x	
<b>Discovery Region</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Lethbridge	New		x
	Bonavista	Changed from service required to a permanent site.	x	

<b>Burin Region</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Grand Bank	New	x	
	St. Lawrence	New		x
	Marystown	No change	x	
<b>Central Region</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Botwood	No change		x
	Fogo	Changed from service required to a permanent site.	x	
	Terra Nova	New	x	
	Buchans Junction	New	x	
	Norris Arm North	New	x	
	Point Leamington	New	x	
	Gander Bay	New	x	
	Gambo	No change		x
	Gander	No change	x	
	Glovertown	No change		x
	Grand Falls	No change	x	
	Lewisporte	No change	x	
	New Wes Valley	Changed from service required to a permanent site.	x	

	New World Island	No change		x
	Twillingate	Changed from service required to a permanent site.	x	
<b>Coast of Bays Region</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Harbour Breton	New	x	
	St. Albans/Milltown	Changed from service required to a permanent site.	x	
<b>Baie Verte/Green Bay Region</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Baie Verte	Changed from service required to a permanent site.	x	
	LaScie	No change		x
	Robert's Arm	No change		x
	Springdale	Changed from service required to a permanent site.	x	
<b>Northern Peninsula Region</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Port aux Choix	No change	x	
	Hawke's Bay	New	x	
	St. Barbe	New		x
	St. Anthony	Changed from	x	

		service required to a permanent site.		
	Roddickton	New		x
<b>Western Region</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Burgeo	Changed from service required to a permanent site.	x	
	Corner Brook	No change	x	
	Bay St. George	New		x
	Deer Lake	No change	x	
	Pasadena	No change		x
	Port aux Basques	No change	x	
	Rocky Harbour	Changed from service required to a permanent site.	x	
	Stephenville	No change	x	
	Hampton	New		x
<b>Labrador West</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Labrador City	No change	x	
<b>Labrador Central</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
	Happy Valley/Goose Bay	No change	x	
<b>Labrador Northern:</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>



	Hopedale	No change		x
	Makkovik	No change		x
	Nain	No change		x
	Postville	No change		x
	Rigolet	No change		x
	Black Tickle	Removed from the list		
<b>Labrador Straits/Southern:</b>	<b>Required Locations</b>	<b>Changes from Previous Plan</b>	<b>Permanent Site</b>	<b>Service Required</b>
Cartwright	Cartwright	No change		x
Charlottetown	Charlottetown	No change		x
L'Anse au Loup	L'Anse au Loup	No change		x
Mary's Harbour	Mary's Harbour	No change		x
Port Hope Simpson	Port Hope Simpson	No change		x
St. Lewis	St. Lewis	No change		x

## Appendix 2. List of Brand Owners Covered by the Stewardship Plan

There are 422 brand owners covered by the Stewardship Plan as of September 2023.

Newfoundland and Labrador	National Stewardship ID	Company Name	Operating as
RNL101150	NR905259	10net Managed Solutions Ltd.	
RNL506135	NR906206	11374486 CANADA INC.	EPROM COMPUTER SYSTEMS
RNL002518	NR902552	1639878 ALBERTA LTD.	DBCS Computer
RNL502801	NR905330	1order Inc	
RNL700421	NR903139	2001 Audio Video	
RNL503238	NR905723	2342239 Ontario Inc	Vuugo.com
RNL503310	NR905788	2428391 Ontario Inc	Sunrise Records
RNL501628	NR900694	341234 BC Ltd.	Microserve
RNL700031	NR700031	3813151 CANADA INC.	
RNL900389	NR900389	3D datacomm Inc.	
RNL101278	NR903464	3M Canada Company	3M Canada Company
RNL501597	NR904382	604402 N.B. Ltd	UR-Channel Broadcasting Company
RNL100584	NR100584	605494 Alberta Ltd.	Ink Quest
RNL501351	NR902429	67949 NL & Lab LTD	Next Generation Electronics
RNL503403	NR905878	6991165 CANADA INC.	DISTRIBUTION HMB
RNL502727	NR905258	7584849 Canada Inc	On-line commerce
RNL503458	NR905931	87144 Newfoundland &	Cohens Home Furnishings

		Labrador Incorporated	
RNL500520	NR500520	9013-6573 Québec Inc.	SIR Solutions
RNL020586	NR020586	9097-1086 Quebec Inc	CES Distribution
RNL503023	NR905533	9192-2542 Quebec Inc	GSM Depot inc
RNL501011	NR501021	9266-1677 QUEBEC INC.	HRS GLOBAL
RNL100228	NR902466	A-Power Computer Ltd.	
RNL502893	NR905416	Aaron's Canada ULC	Aaron's Canada ULC
RNL020579	NR901058	AB Sciex	
RNL501466	NR902549	ABCD Tech Services Inc.	
RNL501144	NR901545	ABM Systems Limited	
RNL503438	NP906592	Accelerated Connections Inc.	
RNL005901	NR901547	Acer America Corporation	
RNL900171	NR900171	Ademco III Ltd.	ADI
RNL900395	NR900395	Advanced Chippewa Technologies Inc	ACT inc
RNL020287	NR020287	Agilent Technologies Canada Inc.	
RNL500786	NR500786	Ahearn & Soper Inc	
RNL506406	NR906487	Air Canada	Air Canada
RNL501145	NR900675	Altronics Ltd	Altronics Ltd
RNL020095	NR013229	AM/PM Mobile	

		Solutions Inc.	
RNL010394	NR010397	AM/PM Systems Ltd	
RNL900397	NR002532	Amazon.com.ca, Inc.	
RNL701759	NR904336	Ameta International Co. Ltd	
RNL502844	NR905369	Angelcare Canada Inc	Angelcare Canada Inc
RNL501446	NR501446	Anixter Canada Inc	
RNL010043	NR000010	Apple Canada Inc.	
RNL020547	NR020547	Aptika	
RNL506306	NR906355	ARLO TECHNOLOGIES CANADA LIMITED	ARLO TECHNOLOGIES CANADA LIMITED
RNL010454	NR010454	ASI Computer Technologies (Canada) Corp.	
RNL020608	NR000032	ASUS Computer International	
PNL506426	NP906573	Atlantic Home Furnishings, Ltd	Atlantic Home Furnishings & Flooring
RNL700022	NR902860	Audcomp Group Inc	Audcomp
RNL503615	NR906090	Audio-Technica Canada Inc	
RNL506279	NR906690	Auto-Star Compusystems Inc.	
RNL502060	NR901584	AVAD Canada	
RNL501537	NR020613	Avaya Canada Corp	
RNL502055	NR901369	AVI-SPL Canada Ltd.	
PNL501538	NP902618	Aylwards (1986) Ltd.	Aylwards Home

			Centre - Home Hardware- The Source
RNL900053	NR901593	Backman Vid-Comm Ltd.	Backman Vidcom
RNL501187	NR900727	Baine Johnston Furniture Limited	Leon's
RNL502007	NR904979	Bay Bloor Radio Inc	Bay Bloor Radio
RNL020588	NR020588	BDI, a division of Bell Mobility Inc.	
RNL020367	NR000027	Beckman Coulter Canada, L.P.	
RNL101279	NR901450	Bed Bath & Beyond Canada L.P.	Bed Bath & Beyond
RNL502862	NR905386	Bell Canada	
RNL502065	NR905029	Bell Canada - Bell Business Markets	
RNL900334	NR900334	Bell ExpressVu Limited Partnership	
RNL506294	NR906334	Bell Mobility Inc	Bell Mobility Inc
RNL501198	NR902795	Best Buy Canada Ltd.	Best Buy, Future Shop
RNL502078	NR905038	Bestrade Inc.	
RNL506239	NR906301	Better1 Inc.	Better1.com
RNL503416	NR905890	Bitswift Technology Solutions Inc.	Bitswift Tech
RNL503192	NR905680	BlueBird IT Solutions Inc	BlueBird IT Solutions Inc
RNL100953	NR902328	Bond Brand Loyalty Inc.	
RNL501603	NR901673	Bose Limited	
RNL900265	NR903965	Bragg Communication	Eastlink

RNL100533	NR902393	Broadway Camera Ltd.	
RNL010044	NR010044	Brother International Corporation (Canada) Ltd.	
RNL900017	NR900017	Bulletproof Solutions ULC	
RNL502044	NR905012	BURMAN & FELLOWS GROUP INC.	BFG
RNL500234	NR500234	C.P.U. DESIGN INC.	
RNL503702	NR906157	CA MTT Innovation Incorporated	Barco NV
RNL506198	NR906265	Cabela's Retail Canada Inc.	Cabela's Retail Canada Inc.
RNL020600	NR903263	Canada Computers Inc.	Canada Computers
RNL506514	NR906688	Canadian Hard of Hearing Association-NL Inc.	Canadian Hard of Hearing Association-Newfoundland and Labrador (CHHA-NL)
RNL010060	NR010060	Canadian Tire Corporation, Limited	
RNL503501	NR905970	Canadian Tire Petroleum	
RNL010045	NR010045	Canon Canada Inc	
RNL101270	NR101270	CAPSTONE IMAGING SUPPLIES INC	
RNL501397	NR902476	Caravan Enterprises Ltd	The Source
RNL503067	NR905566	Carlyle Printers, Service & Supplies Ltd.	
RNL503730	NR906176	Carnival	

		Corporation	
RNL010165	NR010165	Cascadia Motivation Inc.	
RNL900377	NR900377	CashierPRO Retail Systems Inc.	
RNL502745	NR905277	CashTech Currency Products Inc.	
RNL020502	NR900995	Casio Canada Ltd	
RNL011030	NR011030	CBCI TELECOM CANADA INC	CBCI TELECOM CANADA INC
RNL010808	NR010805	CDK Global (Canada) Limited	
RNL010466	NR010466	CDW Canada Inc.	
RNL400025	NR000053	CENDIRECT.COM INC.	CENDIRECT.COM
RNL400026	NR400026	Central Distributors Ltd.	Central Distributors Ltd.
RNL010286	NR000058	CENTRAL MICROSYSTEMS 4000 INC.	CENTRAL MICROSYSTEMS
RNL503533	NR906007	Chateau Manis Electronics Inc	Chateau
RNL020511	NR020511	Christie Digital Systems Canada Inc.	
RNL900289	NR001840	Circus World Displays Limited	
RNL020466	NR020466	Cisco Systems Canada Co	Cisco Systems
RNL506312	NR906360	Code Sphere Network Inc.	
RNL501202	NR900975	Cohen's Home Furnishings (2010) Limited	Cohen's Home Furnishings

PNL501155	NP900691	Colemans Shoppers World Limited	Colemans Brandsource Home Furnishings
PNL501242	NP901015	Colin Vardy	Repair IT Services
PNL501128	NP900533	Compro Services Limited	Computer Sales and Service
RNL010253	NR010253	CompuCom Canada Co.	
RNL000917	NR000022	Compugen Inc	Compugen Inc
PNL501350	NP902428	Compusult Limited	
RNL501280	NR901469	Computer Shack Inc.	Computer Shack Inc.
RNL501129	NR001001	Comtronic Computer Inc.	Comtronic Computer Inc.
RNL900375	NR901959	Convergint Technologies Ltd	
RNL020366	NR020366	Coreio Inc	
RNL010061	NR010061	COSTCO WHOLESALE CANADA LTD	
RNL500235	NR500235	CPU SERVICE D'ORDINATEUR INC.	
RNL506347	NR906394	Cr�ation Newmood Inc.	Cr�ation Newmood Inc.
RNL701848	NR904544	Crestron Electronics	
RNL900322	NR900661	Crutchfield Corporation	same
RNL503216	NR905702	CTG Brands Inc,	
RNL020424	NR020424	D&H Canada ULC	D&H Canada ULC
RNL501752	NR904255	D-Link Networks	
PNL506479	NP906640	D. E. French Inc.	ASCS IT Consulting & Management



RNL010416	NR010416	Data Integrity Inc.	Data Integrity Inc.
RNL506385	NR906429	DataVisual Marketing Inc	DataVisual
RNL503483	NR905957	Décathlon Canada Inc.	
RNL010046	NR000002	Dell Canada Inc.	
RNL501226	NR900999	Dial-A-Tech Computer Services Limited	
RNL501141	NR900671	Dicks and Company, Ltd.	Dicks and Company Basics
RNL020541	NR020541	Digital River globalTech, Inc	
PNL501374	NP902452	Diversions Entertainment Inc.	Diversions Computer Centre
RNL501218	NR900991	Diversiteh Services Inc.	DSI
RNL503290	NR905770	Dollarama LP	
RNL020469	NR020469	Drummond Informatique Ltée	MICROAGE
RNL502737	NR905268	DSM Distribution	maplemicro.ca
RNL502830	NR905327	Dvise Telecom Solutions Inc.	
RNL900067	NR900067	Dymaxion Research Limited	
RNL503184	NR905672	Dynabook Canada Inc.	
PNL501540	NP902620	East Coast Technologies Inc	MicroAge Computer Centres
RNL506536	NR906714	Ebsco Industries, Inc.	Ebsco Industries, Inc.
RNL503432	NR905905	Edco Electronics Inc./Ested Industries Inc.	

RNL503415	NR905889	Edge 2 Core Incorporated	EDGE 2 CORE
RNL020123	NR020123	ELCO Systems Inc	
RNL020618	NR020618	Electronic Boutique Canada Inc	eb games
RNL506350	NR906397	Element Electronics Canada, Inc.	Element Electronics Canada, Inc.
RNL101347	NR501013	Elo Touch Solutions, Inc.	
RNL101158	NR101158	Enablecore Technologies Inc.	
RNL001576	NR020460	Engage People Inc.	
RNL701238	NR903918	Engenius Technologies Canada Inc	EnGenius
RNL501203	NR900976	Entreprise Robert Thibert inc.	
RNL400009	NR400009	EPRA Test	
RNL100047	NR000012	Epson Canada Limited	
RNL503251	NR905735	FGL Sports LTD.	
RNL503678	NR906137	FGL Sports Ltd.	FGL Sports Franchise Bloc
RNL506358	NR906405	FNS TRADING INC	
RNL501081	NR900487	Ford Motor Company of Canada, Limited	Ford of Canada
RNL011153	NR011153	FrontierPC.com Computer Inc	FrontierPC.com
RNL101182	NR020599	Fujifilm Canada Inc	
RNL010108	NR001128	FUJITSU CANADA INC.	FUJITSU CANADA INC.

RNL506240	NR906302	Fujitsu Frontech Canada Inc.	
RNL010363	NR010363	Fully Managed Inc.	Fully Managed Inc.
RNL502851	NR905372	Funai Corporation	
RNL500120	NR500120	GB Micro Electronics Inc.	
RNL501263	NR902130	GBS Communications Inc.	GBS Technologies
PNL501211	NP900984	Geek Monkey Technologies Incorporated	Geek Monkey
RNL701899	NR903974	Gem-Sen Distribution	Gem-Sen Distribution
RNL020559	NR020559	General Electric Canada	GE Healthcare
RNL502869	NR905395	Gentec International	
RNL506394	NR906437	GHA TECHNOLOGIES INC	GHA TECHNOLOGIES INC
RNL700245	NR902871	Giant Tiger Stores Limited	
RNL501826	NR906081	Glaswegian Enterprises Inc.	Audio Video Unlimited
RNL503141	NR905613	Global Shopex LLC	Globalshopex
RNL506490	NR906653	Go Pro Inc.	Go Pro
RNL900393	NR905528	Google Canada Corporation	
RNL501109	NR900512	Google Inc	
RNL003970	NR003970	Grand & Toy Limited/Grand & Toy Limitee	Grand & Toy
RNL501110	NR900515	Graybar Canada	Graybar Canada

		Limited	Limited
RNL501429	NR902512	Groupe BMR inc.	Groupe BMR inc.
RNL020519	NR501039	Gunnebo Canada Inc.	
RNL503604	NR906081	H&B Sellers Inc.	
RNL020506	NR902016	Haier America Trading, LLC	
RNL020529	NR020529	Hall Telecommunications Supply Ltd.	Hall Telecommunications Supply Ltd.
RNL020500	NR020500	HealthHub Patient Engagement Solutions	HealthHub Patient Engagement Solutions
RNL503253	NR010700	Helix Global Solutions	
RNL020527	NR020527	Henry's Enterprises Inc.	
RNL020401	NR020401	Her Majesty the Queen in Right of Canada as Represented by the Chief of Defense Staff in His Non Public Property Capacity	CANEX
RNL020458	NR902690	Heska Canada Limited	
RNL010048	NR010048	Hewlett Packard Enterprise Canada Co.	
RNL501900	NR904870	Hisense Canada Co., Ltd.	
RNL502764	NR905297	Hitfar Concepts Ltd	
RNL010062	NR010062	Home Depot of Canada Inc.	

RNL020110	NR000005	Home Hardware Stores Limited	
RNL701779	NR904358	HoMedics Group Canada	
RNL502827	NR905367	HP Canada Co	HP Canada
RNL100064	NR010064	Hudson's Bay Company (HBC) - Head Office	The Bay, Saks Fifth Avenue, Saks Off Fifth
RNL020543	NR020543	Hypertec Systemes Inc.	
RNL020544	NR020544	HYPERTECHNOLOGIE CIARA INC.	
RNL010050	NR902041	IBM Canada Ltd.	
RNL506352	NR906399	IDtorney Tech Inc.	TECHtorney
RNL900405	NR900431	IKEA Canada Limited Partnership	
RNL503677	NR906136	IKEA Supply AG	Importer
RNL011058	NR011158	IMP Group Limited	IMP Solutions
RNL502829	NR905358	Imperial Dade Canada Inc.	
RNL020551	NR020551	Indigo Books & Music Inc.	Indigo
RNL010109	NR010109	Ingram Micro Inc.	
RNL010143	NR010143	Insight Canada Inc.	
RNL101163	NR101163	Intellico IDS Inc	BlueStar Canada
RNL502909	NR905432	IRONSTONE DISTRIBUTION LIMITED	LOGOWERKZ
RNL506107	NR905600	Ivan's Camera (2017) Ltd.	Ivan's Audio-Visual
RNL500894	NR900406	Jam Industries Ltd	
RNL101057	NR901470	Jetview Electronics Ltd.	

RNL501353	NR902431	Jim Crewe Ltd	Jim Crewe LTD
RNL501194	NR904307	Jump Plus Store ULC	Jump+
RNL101049	NR101049	JVCKENWOOD Canada Inc.	
RNL501195	NR900735	K.A.B.N. ENTERPRISES INC.	D & K COMPUTERS
PNL501295	NP901493	Kel-Tech Laser Inc.	Kel-Tech Laser Inc.
RNL503386	NR905861	Kent Building Supplies, a division of JD Irving Limited	Kent
RNL506353	NR906400	Kevro International Inc.	
PNL506226	NP906292	KMK Services Inc	
RNL011870	NR011870	Kodak Canada ULC	Kodak Canada ULC
RNL002100	NR002100	Konica Minolta Business Solutions (Canada) Ltd.	
RNL506388	NR906431	KYNDRYL CANADA LIMITED	
RNL500011	NR500011	La Clef de Sol Inc.	
RNL500891	NR500891	LAMA INC	LAMATEL
RNL101356	NR701258	Lee Valley Tools Ltd	
RNL101136	NR101136	Lenbrook Industries Limited	Lenbrook Canada
RNL011012	NR011012	Lenovo (Canada) Inc.	
RNL503219	NR905713	Lenovo Global Technology (Canada) Inc.	
RNL010051	NR010051	Lexmark Canada Inc.	
RNL010052	NR010052	LG Electronics	

		Canada, Inc.	
RNL100961	NR001709	LIN HAW INTERNATIONAL CO., LTD.	
RNL010186	NR010186	Loblaw Inc.	Loblaw Companies Limited
RNL506150	NR906219	Loc International inc.	Loc International inc.
RNL010069	NR902260	London Drugs Limited	
RNL004246	NR004246	Long & McQuade Limited	
RNL002228	NR002228	Long View Systems Corporation	Long View Systems
RNL503173	NR903335	Longtech Computer Distribution Inc	computer parts wholesaler and retailer
RNL506134	NR906205	Lorex Technology Inc.	Lorex Technology Inc.
RNL502753	NR500641	Loyalty Solutions Canada Inc	Loyalty Solutions Canada Inc
RNL501846	NR904841	LS Travel Retail North America Inc.	
RNL501159	NR900698	M-S Cash Drawer Canada LP	
RNL502793	NR905325	Makita Canada Inc.	Makita Canada Inc.
RNL503500	NR905969	Mark's	Mark's
RNL506425	NR906518	MC Commercial Inc.	
RNL002325	NR002325	MDG Computers Inc	
RNL502945	NR905465	MEC Mountain Equipment Company Ltd.	
RNL002336	NR900616	Memory Express Inc.	

RNL500681	NR500681	Merit-Trax Technologies Inc.	
RNL500512	NR500512	Michael Rossy Ltée	Michael Rossy Ltée
PNL501219	NP900992	Micro-Tech Computer Centre, Inc	
RNL101323	NR906076	Microcad Computer Corporation	
RNL503716	NR906164	Microsoft Canada Inc	Microsoft Canada Inc
RNL020475	NR000021	Microsoft Corporation	
RNL101328	NR904517	Microsoft Retail Store - Canada Inc.	
RNL020282	NR902342	Micwil Group of Companies Ltd.	
RNL503013	NR905523	Mike's Technology Corp	Mike's Computer Shop
RNL501655	NR902728	MINI-MICRO SUPPLY INC CANADA	
RNL701301	NR903995	Miovision Technologies	
RNL506237	NR906299	Miskwaa Technologies Inc	Miskwaa Tech
RNL020537	NR020537	Mitek Canada Distribution, A Partnership	
RNL020598	NR020598	Mitsubishi Electric Sales Canada Inc.	
RNL020577	NR900670	Motorola Mobility LLC	
RNL100004	NR100004	Motorola Solutions Canada Inc.	
RNL701128	NR701128	MUNDY SALES	



		INCENTIVES INC.	
RNL020462	NR020462	NCR Canada Corp.	
RNL100520	NR904220	NEC Canada Inc.	NEC Canada Inc.
RNL100059	NR100059	NEC Display Solutions of America, Inc	
RNL010640	NR010640	Netlink Computer Inc.	NCIX
RNL020456	NR100843	New Line Incentives Inc.	
RNL100971	NR100971	Newegg Canada Inc.	
RNL500616	NR500616	NEXT SUCCESS INC	
RNL501221	NR900994	NicTech Electronics Ltd	The Source
RNL020499	NR020499	Nikon Canada Inc.	
RNL101240	NR002357	Nintendo of Canada Ltd.	
RNL020556	NR020556	Nisha Technologies Inc.	Nisha Technologies Inc.
RNL506286	NR906336	North Edge Computers	
RNL506290	NR906339	NorthamTek Technology Inc.	
RNL004203	NR004203	Northern Micro Inc	
RNL501382	NR902460	Notre Dame Agencies	Notre Dame Home Furnishings
RNL020423	NR000034	Nova Networks Inc	
RNL500855	NR500855	Novexco Inc.	
RNL020422	NR020422	NWD Systems (Montreal) Inc.	MicroAge
RNL501137	NR020478	Oak Incentives	

		Group Inc.	
PNL501387	NP902465	OCEANVIEW HARDWARE LTD	LEWISPORTE HOME HARDWARE
RNL010080	NR010080	Okidata Americas Inc.	
RNL010491	NR010491	OnX Enterprise Solutions LTD	
RNL101039	NR904303	Optoma Technology (Canada), Inc.	
RNL010742	NR000029	Oracle Canada ULC	
RNL010053	NR010053	Panasonic Canada Inc.	
RNL701795	NR904392	Paradigm Electronics Inc.	
RNL506277	NR906333	Paragon Micro IT Solutions Group Canada ULC	Paragon Micro Canada
RNL503499	NR905968	PartSource Inc.	
PNL501383	NP902461	Pathix ASP, a division of Vector Aerospace	Pathix ASP
RNL020294	NR000228	PATTERSON DENTAL CANADA, INC.	PATTERSON DENTAIRE CANADA, INC.
RNL501945	NR904903	Paystation Inc.	
RNL002604	NR002604	PBS Financial Systems Inc.	
RNL502038	NR904902	PCM SALES CANADA, INC.	
PNL501541	NP902621	Peninsula Wholesale Ltd.	Burfitt's Electro-Tech
RNL506248	NR906308	PFU Canada Inc.	PFU Canada Inc.
RNL501933	NR000009	PHASELOCK SYSTEMS	

		INTERNATIONAL INC.	
RNL503132	NR905625	Pineapple Bytes Inc.	
PNL501258	NP901032	Pinnacle Networks Inc	
RNL502820	NR905348	Pioneer Electronics (USA) Inc.	
RNL100860	NR100860	Pippin Technical Service Ltd	
RNL004189	NR004189	Pitney Bowes Inc.	PB
RNL020566	NR000011	Plantronics Canada Inc.	Poly
RNL004122	NR004122	Powerland Computers Ltd.	
RNL020281	NR020281	Powernode Computer Inc	
RNL400036	NR400036	POWERONE TECHNOLOGIES INC.	
PNL501270	NP901459	Prima Information Solutions Inc.	Prima
RNL503681	NR906140	Princess Auto Ltd	
RNL002756	NR002756	Printers Plus	Printers Plus
RNL501718	NR904026	Product Solutions Group	
RNL701865	NR904606	Progressive Sales Canada Electronics Inc	
RNL501905	NR904520	Quad Source Canada Inc.	Quad Source Canada Inc.
RNL010566	NR010566	Quartet Service Inc.	
RNL503680	NR906139	RAE Industrial Electronics Ltd	
RNL000024	NR400006	Rakuten Kobo Inc	

RNL500053	NR902157	Randmar Inc	
PNL501122	NP900527	Randy Tavenor	Office Tech
RNL501152	NR900684	RED APPLE STORES INC.	Red Apple
RNL501064	NR900471	Reprographics Ltd.	
RNL002928	NR002928	Ricoh Canada Inc.	Ricoh Canada Inc.
RNL002936	NR002936	Rinax Systems Ltd	Rinax Computer Systems
RNL501739	NR904135	RLOGISTICS LIMITED PATNERSHIP	Factory Direct
RNL900146	NR900146	Robert Bosch Inc.	
RNL501073	NR020504	Rogers Communicatons Inc	
RNL101217	NR101217	Roland Canada Ltd.	
RNL020549	NR020549	RONA inc.	RONA
RNL701857	NR904573	Rose & MacDonald Sales Agents Inc.	
RNL502784	NR905316	RS Distribution Inc.	
RNL010502	NR010502	RU-LINK COMPUTER CORP.	1C2C.COM, CANBUYIT.CA, RU-LINK COMPUTER CORP.
RNL503225	NR905709	Run Communication Inc.	Buying and selling telecommunications equipment
PNL503037	NP905547	Runat Enterprises Ltd	Hometown Electronics
RNL100076	NR500810	S. P. Richards Co. Canada Inc.	Wholesaler
RNL010100	NR010100	Samsung Electronics Canada Inc.	
RNL010067	NR010067	Sears Canada Inc. -	

		Head Office	
RNL020408	NR901762	Securitas Technology Canada	
RNL501177	NR501177	Sennheiser Canada (Inc.)	Sennheiser Canada (Inc.)
RNL101033	NR101033	SF Marketing Inc	SF Marketing Inc
RNL500893	NR010055	Sharp Electronics of Canada Ltd.	
RNL900349	NR900349	Shaw Satellite GP	
RNL010592	NR010592	SHI Canada ULC	
RNL020438	NR020438	Shoppers Drug Mart Inc.	Shoppers Drug Mart
RNL010698	NR010698	Simply Computing Inc.	Simply Computing
RNL503046	NR905555	SiriusXM Canada Inc	
RNL501453	NR902536	SOFTCHOICE LP	
RNL501439	NR902521	Solutions 2 GO Inc.	
RNL500727	NR500727	Solutions de Reconnaissance Rideau Inc.	Solutions de Reconnaissance Rideau Inc.
RNL700412	NR903121	Somcan Distribution Ltd.	
RNL506187	NR906254	Sonos, Inc.	
RNL506484	NR906647	SONOVA CONSUMER HEARING CANADA INC	
RNL010056	NR010056	Sony Electronics Inc	
RNL701744	NR904321	Sony Interactive Entertainment Canada	
RNL010761	NR010761	Soroc Technology	Soroc Technology

		Inc.	Inc.
RNL011282	NR011282	Sound United Canada Inc.	
RNL502710	NR100339	SpeedLine Solutions Inc.	
RNL502779	NR905313	Spicers Canada ULC	Spicers
RNL100649	NR100649	Staples Professional, Inc.	Staples Professional, Inc.
RNL400040	NR010087	STAPLES THE BUSINESS DEPOT	Staples Canada
RNL501717	NR904018	StarTech.com Ltd.	StarTech.com
RNL501426	NR902509	Staub Electronics Ltd	Staub Electronics
RNL506314	NR906362	Steelcase Canada Ltd	Steelcase
RNL020413	NR020413	TAKNOLOGY (CANADA) INC.	
RNL501380	NR902458	Tango Telecom NL Test	Tango
RNL700869	NR903445	Targus Canada Ltd.	
RNL010166	NR000040	TD SYNnex CANADA ULC	
RNL011817	NR011817	TDL Canada Inc.	
RNL503250	NR905734	TEAMTEK WHOLESALE DBA VISION BUSINESS PRODUCTS	TEAMTEK WHOLESALE
RNL010132	NR010132	Tech Data Canada Corporation	Tech Data Canada Corporation
RNL010445	NR010445	Telecom Computer Inc	
RNL503459	NR905932	Telus Health & Payment Solutions Limited Partnership	

RNL502030	NR501035	TELUS Health Solutions Inc.	
RNL501982	NR000035	TELUS Mobility	
RNL503233	NR905718	Tenva TS Canada ULC	Tenva TS Canada ULC
RNL000581	NR000581	The Brick Warehouse Corporation	
RNL011055	NR011055	The North West Company	
RNL020545	NR020545	The Priestman Electronics Corporation	Precor Electronis
RNL10066	NR000018	The Source (Bell) Electronics Inc.	The Source
RNL503498	NR904592	The Watershed Group	
RNL506233	NR906297	THEKEYKEY STORE CORP.	THEKEYKEY STORE CORP.
RNL010722	NR010722	THINQ Technologies Ltd.	DirectDial.com, PC-Canada.com, Softwarecity.ca
RNL700482	NR903213	Tomauri Inc.	
RNL500967	NR500967	Toshiba Global Commerce Solutions (Canada) Ltd.	
RNL020463	NR020463	Toshiba Tec Canada Business Solutions Inc.	
RNL506307	NR906356	Totem Acoustic Inc.	
RNL020419	NR902830	Toys R Us (Canada) Ltd.	
RNL900134	NR900134	Travana Networks Ltd.	Travana Networks
RNL101065	NR905876	Trends Electronics	

		International Inc.	
RNL501104	NR900509	Triware Technologies Inc.	Triware Technologies Inc.
RNL502792	NR905324	TRUTONE ELECTRONICS INC	TRUTONE ELECTRONICS INC
RNL503647	NR906108	TTE Technology	TCL North America
RNL500962	NR500962	TTX CANADA INC	
RNL501690	NR903709	Tyco Safety Products Canada	
RNL503383	NR905858	Tyco Safety Products Canada Ltd.	
RNL000833	NR000833	UTC Fire & Security Canada	Chubb Edwards
RNL506259	NR906319	Valve Corporation	
RNL100221	NR000598	Vantechs Computers	
RNL900352	NR900352	VERTICAL PÉRIPHÉRIQUES INC	VERTICAL PÉRIPHÉRIQUES INC
PNL501497	NP902579	Village Music Centre Inc.	Village Music
RNL900080	NR901579	Vision33	
RNL502704	NR000063	Visions Electronics Limited Partnership	
RNL020607	NR020607	Vtech Technologies Canada Ltd.	
RNL010068	NR000043	Wal-Mart Canada Corp.	
PNL503068	NP905567	Warr's Pharmacy Ltd	The Source Express
RNL003800	NR003800	WBM Technologies LP	
RNL501531	NR902612	Western Marine Holding Ltd	



RNL501121	NR900526	WESTMARSH HOLDINGS	WEST END ELECTRONICS LTD
RNL300012	NR901446	Whirlpool Canada LP	Whirlpool
RNL900390	NR902309	Wilsons Security Limited	Wilsons Security
RNL101203	NR101203	Winners Merchants International LP	Winners / HomeSense / Marshalls
RNL501762	NR904352	Wisdom Electronics Inc.	
RNL503361	NR905837	Withings, Inc.	
RNL506167	NR906233	World Wide Technology Canada ULC	
RNL020646	NR902316	Wren Sound Systems, LLC	
RNL503437	NR905910	Wurth Canada Limited	
RNL004423	NR000013	Xerox Canada Limited	
PNL501131	NP900536	XpressIT Solutions Inc.	XpressIT
RNL020572	NR020572	Yamaha Canada Music	
RNL503349	NR905826	Zebra Technologies Canada, ULC	Zebra Technologies Corporation
RNL503060	NR905558	Ziestech Distributors Inc	
RNL101339	NR101339	Zones Canada Inc.	
PNL501206	NP900979	Zycom Technology Inc	



November 10, 2023

Michelle Marley  
Program Director  
Electronic Products Recycling Association  
5750 Explorer Drive, Suite 301  
Mississauga, ON L4W 0A9

Dear Michelle,

**RE: Newfoundland and Labrador Electronic Product Definition**

On November 8, 2023, the MMSB Board of Directors and the Minister of Environment and Climate Change added to the list of products included under the electronic product definition, Section 31.18 (f) (ix) of the **Waste Management Regulations**.

The following list of products has been added:

- Floor and carpet care appliances
- Garment care appliances
- Appliances for counter-top cooking
- Devices for cutting food items and opening or sealing containers or packages
- Devices for measuring time
- Personal care appliances
- Scales
- Portable air treatment appliances

Impacted brand owners or their appointed agents are to begin by submitting an application to the board for registration within 120 days of receipt of this notification followed by the submission of a new or amended stewardship plan(s).

Please reach out if you have any questions.

Sincerely,

Ashley Burke  
Senior Policy Advisor  
MMSB

Cc: Gary Ryan, Director of Programs, MMSB  
Charles Bown, CEO, MMSB  
Cliff Hacking, President & CEO, EPRA

