













ANNUAL REPORT | 2021





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## 2021

Keeping New Brunswick Clean and Green for Generations to come



1,512,950 TIRES COLLECTED



321,021 LITRES OF PAINT COLLECTED



3,345,918 LITRES OF OIL COLLECTED



1,026 METRIC TONNES OF ELECTRONICS COLLECTED

## TRANSMITTAL LETTER

Hon. Gary Crossman Minister of Environment and Climate Change Legislative Assembly of New Brunswick Fredericton, New Brunswick

Dear Minister:

On behalf of the Board and staff, I am pleased to present the annual report of Recycle NB for the calendar year 2021. The report is presented in accordance with Section 11 of the *Designated Materials Regulation 2008-54* enacted under the *Clean Environment Act*.

**Gildard Chiasson** Chair, Recycle NB

# RECYCLE NB AT A GLANCE

#### **VISION**

All waste materials in New Brunswick are managed in a sustainable and environmentally responsible way.

#### **MISSION**

To manage waste reduction programs for designated materials and provide environmental stewardship for New Brunswick.

## **ROLE**

To ensure that materials designated by the Minister of the Environment are managed in a manner that assures a clean and healthy environment.

# **MOVING BEYOND WASTE**

Recycle NB is a unique, province-wide organization that works with industry partners to make it easy for you to recycle their products. We want to reduce waste and toxic by-products, and ensure that useful materials are reused. We focus on a healthy and sustainable environment for you, your children and grandchildren. Together with our partners, and every New Brunswicker who recycles, we are MOVING BEYOND WASTE.

## MAKING PROGRESS IN 2021

The year 2021 marked a significant milestone for Recycle NB. Last October, the Government of New Brunswick amended the *Designated Materials Regulation - Clean Environment Act* to include packaging and paper products (PPP) as a Designated Material. This amendment positions New Brunswick as a leader in Atlantic Canada with respect to waste management, as we are the first province in this region to approve an Extended Producer Responsibility (EPR) program for these products.

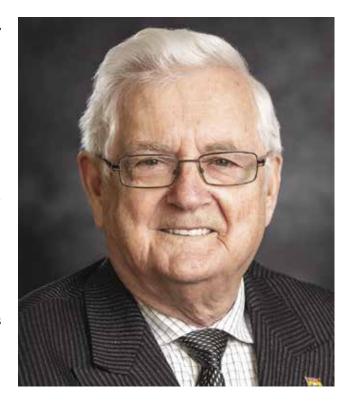
The approval of PPP was a lengthy process that began in 2015. It involved studies of other PPP programs across the country, dialogues with industry representatives, policy experts, and consultations with the public. PPP will be the province's fourth EPR program (in addition to paint, oil/glycol and electronics) and it is the largest program to date. It has the potential to divert thousands of tonnes of paper, metals, plastics and glass from our landfills, which will, in turn, have a significant impact on the environment.

As Chair of the Board of Directors, I am pleased to have been part of such a significant milestone in waste management in New Brunswick. True progress is the result of hard work and determination, and these milestones are our path forward as we take action to respond to climate change.

## Our impact in New Brunswick

In addition to the PPP program, we continue to work with our industry partners for paint, oil/glycol, electronics and tires to meet diversion targets. As referenced on Page 4 of this report, we have been able to divert thousands of tonnes of waste from our landfills. Our success is directly attributable to New Brunswickers - those of you who take the time to recycle these and other materials.

As the Chair of the Recycle NB Board of Directors, I would like to acknowledge Board members Erica Barnett, Tom McCauley and Alain Guitard, who completed their terms in 2021. I would also like to welcome our newest members: Jacqueline Carrier, Shane Steeves, Richard Gaudet and Christelle Léger. Thank you all for your expertise and dedication. I would also like to thank the hardworking and dedicated staff of Recycle NB for their support and cooperation. Together, we are making progress in our efforts to Move Beyond Waste.



Gildard Chiasson, Chair, Recycle NB

"I am very proud to have been part of such a great organization. Sadly for me, my term is coming to an end but I know I will be leaving Recycle NB in very good hands." **CHALLENGES AND OPPORTUNITIES** 

## Moving forward with packaging and paper products

A significant milestone was reached in New Brunswick's waste management sector in 2021. In October, the New Brunswick Legislature approved an amendment to the *Clean Environment Act* that added packaging and paper products (PPP) to its list of designated materials. It became the fourth Extended Producer Responsibility (EPR) program in New Brunswick, joining paint, oil/glycol and electronics.

EPR embraces the concept that industry, or those who sell, offer for sale or distribute products, should be responsible for them at the end of their useful life. The Government of New Brunswick has adopted this concept as its primary approach to solid waste management and has implemented the regulatory capacity to continue adding EPR programs to its list of designated materials. In the future, this could include batteries, pharmaceuticals and sharps and beverage containers.

When it launches in 2023, PPP will become the province's largest EPR program. Studies have shown that these products make up approximately 65% of waste in our landfills and could represent a savings of as much as \$16 million for municipalities. Many communities already recycle some packaging (cardboard, cans and some plastics), and paper but many more materials could be added with the launch of PPP, including film plastics, glass and wrapping paper.

There is much to be done before this happens, however. As per Regulation, brand owners are required to register with Recycle NB, as well as select a Producer Responsibility Organization (PRO) to act on their behalf. They must then develop a stewardship plan, which will include plans for the collection, transportation, storage, reuse and recycling of PPP waste in the province. Once that happens, the program will be launched. We expect this to take place in 2023.



As part of overseeing EPR programs, Recycle NB is responsible for approving management plans, monitoring program operations, helping industry to meet its obligations with respect to the Regulation, and ensuring the programs meet the needs of New Brunswickers. We are also responsible for public education and awareness.

Recycle NB will only continue to grow when additional designated materials are added

to the list in the months and years to come. The challenge for us is to be ready when this happens. To prepare, we monitor EPR programs in other provinces, look at best management practices within national and international programs, and work with partners and stakeholders to assess the impacts of such programs on New Brunswick. In other words, we are ready to meet these challenges head-on in our efforts to continue Moving Beyond Waste.







## TIRE STEWARDSHIP PROGRAM (TSP)

## **Historic Perspective**

The Designated Materials Regulation - Clean Environment Act came into effect on May 1, 2008. The Regulation created Recycle NB and transferred the rights and obligations of the existing New Brunswick Tire Stewardship Board to the new corporate body.

Through the Tire Stewardship Program, Recycle NB provides a system that allows tire retailers in New Brunswick to comply with the Designated Materials Regulation. The Regulation applies to anyone selling new tires within the province.

As part of the program, all used tires collected in New Brunswick are processed at the Tire Recycling Atlantic Canada Corporation (TRACC) in Minto. TRACC turns 98% of the tires into new rubber products such as mulch and livestock mats.

## **Program Highlights**

In 2021, TRACC continued to focus on renewal and improved processes, completely enclosing its entire shredding operation, which not only protected it from the elements, but also improved efficiency. The company made

additional investments in a new scale system and a new cow pillow manufacturing machine, which increased production by as much as 30%. TRACC also implemented a new tire recycling internal management system and constructed a tire storage yard featuring new fencing and a security system.

Transition and change are two constants for TRACC, and the team continues to rise to the challenge. The company is proud to be supporting New Brunswick's recycling efforts and continues to research and develop new concepts for expanded product lines.

#### Tire Sales in 2021

The Tire Stewardship Program is self-supporting in New Brunswick. Consumers pay a recycling fee on each new tire purchased, as well as on used tires when a vehicle is imported into the province. Retailers remit the fees to Recycle NB, which then directs the funds to cover the cost of tire collection, transportation and recycling operations. There are approximately 700 tire retailers in New Brunswick.

Tires Sold (Passenger Tire Equivalent): 1,383,113 PTEs 2021 (1,334,389 PTEs in 2020)



## Tire Collections in 2021

Recycle NB carefully monitors tire collections in New Brunswick in an effort to achieve a 100% recovery rate.

Tires collected (Passenger Tire Equivalent): 1,512,950 PTEs in 2021 (1,185,521 PTEs in 2020)

\*Tire recovery rate: 109.4% (88.8% in 2020)

\*Tire Recovery Rate exceeding 100% may be attributed to several factors. One factor is likely due to increased property turnover in New Brunswick which led to an increase in requests to collect stored tires. Another likely factor was the doubling of scrap metal prices resulting in scrapyards clearing out their vehicle stockpiles.

YEAR	2017	2018	2019	2020	2021
Tires Sold *	1,434,000	1,487,366	1,353,788	1,334,389	1,383,113
Tires Collected *	1,078,000	1,221,754	1,248,461	1,185,521	1,512,950
Recovery Rate	75.1%	82.1%	92.2%	88.8%	109.4 <b>%</b>

<sup>\*</sup> Refers to passenger tire equivalents \*(PTEs) where one PTE is equal to approximately 10 KGs

## **Tire Processing System**

Under the tipping fee-based system developed between TRACC and the Province of New Brunswick, the processing costs for scrap tires are paid once the collected scrap tires enter TRACC's inventory. The advantages of this system include a reduction in administrative costs and an end to frequent inventory audits.

In addition, the agreement is a positive first step towards an Extended Producer Responsibility program for tires.

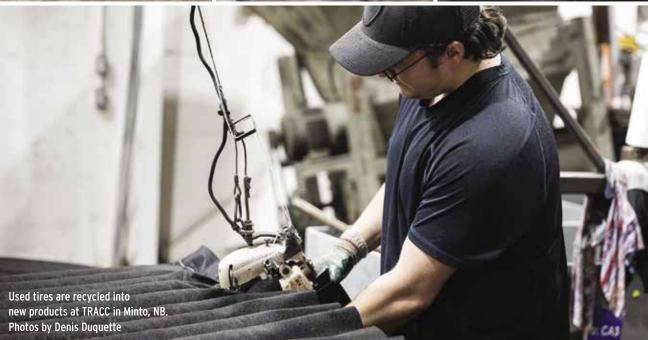
## **Quality Assurance**

Recycle NB is responsible for ensuring that the Tire Stewardship Program meets of the needs of both retailers and consumers. In 2021, we completed seven audits on randomly selected retailers. Five were compliant. Through its membership in the Canadian Association of Tire Recycling Agencies (CATRA), Recycle NB is able to collaborate with other provinces on best practices to ensure our Tire Stewardship Program is as effective as possible.









PAINT STEWARDSHIP PROGRAM (PSP)

## **Historical Perspective**

The Designated Materials Regulation-Clean Environment Act came into effect on May 1, 2008, establishing paint as the first Extended Producer Responsibility program in New Brunswick. Recycle NB was tasked with overseeing the program on behalf of New Brunswickers.

In June 2008, Product Care Recycling was established as the agent to act on behalf of brand owners registered under the program. Product Care Recycling developed a stewardship plan for paint and paint products in compliance with the *Designated Materials Regulation*. The program launched in 2009.

## **Achievements**

All paint collected through the various programs in Atlantic Canada is sent to the Laurentide Re-sources Atlantic Inc. facility in Richibucto for initial processing. The containers are opened, sorted by type and colour and then bulked into shipping containers. The paint is ultimately used to manufacture Laurentide's Boomerang brand, which is sold at a number of retail locations.

In 2021, a total of 2,796 tubskids of leftover paint from New Brunswick (excluding paint aerosols) were delivered to the Richibucto facility for processing. Paint aerosols are sent to the GFL Environmental facility in Sussex for processing.





#### **Paint Sales**

Brand owners reported the sale of an estimated 5,341,222 litres of designated paint products in 2021. Sales during the 2020 reporting period were 5,410,127 litres, which represents a 1.3% decrease compared to 2021.

ESTIMATED LIQUID VOLUME SOLD (LITRES)		
2021	5,341,222	
2020	5,410,127	
2019	4,660,038	
2018	4,533,254	
2017	4,799,118	

#### **Paint Collections**

As of December 31, 2021, there were 62 sites throughout New Brunswick that accept leftover paint, paint containers, stains, varnishes and aerosols for recycling. Collection depots include retailers, Regional Service Commissions and redemption centres (bottle return depots).

A total of 321,021 litres of paint products were collected in 2021, compared to 322,021 litres in 2020. The volume of leftover paint processed in the year and the method of disposal follows:

## Percentage of Leftover Paint by Disposal Method 2021

METHOD	VOLUME (LITRES)	PERCENTAGE
Reuse (through paint exchange program)	1,055	0.4%
Recycle	216,761	74.8%
Energy Recovery	9,455	3.3%
Landfill	62,525	21.6%
Total	289,797*	100%**

<sup>\*</sup> Total volume includes only paint materials processed during the year.

#### **Metal and Plastic Containers Collected**

The following table shows the amount of metal and plastic containers Product Care recycled during the year.

CONTAINERS COLLECTED AND RECYCLED (TONNES)				
Year	Metal	Plastic pails (HDPE 2)	Plastic paint cans (polypropylene)	Total (tonnes)
2021	67.4	5.5	28.8	101.7
2020	53.3	4.7	12.8	70.8
2019	45.2	4.8	18.8	68.8
2018	62.7	4.3	16.1	83.1
2017	67.5	4.7	19.5	91.7







<sup>\*</sup> Total does not add up to 100% due to rounding.

# OIL AND GLYCOL STEWARDSHIP PROGRAM

## **Historical Perspective**

The Provincial Government introduced an Extended Producer Responsibility program for used oil and glycol (antifreeze) on October 24, 2012. In accordance with the *Designated Materials Regulation - Clean Environment Act*, oil, oil filters, oil containers, glycol and glycol containers were designated as materials to be recycled in New Brunswick.

Recycle NB accepted the Used Oil Management Association (UOMA) Atlantic as the agent representing brand owners in New Brunswick. UOMA Atlantic submitted a stewardship plan in November of 2013 and launched the program on January 1, 2014. Their current stewardship plan covers the period 2018-2022.

#### SALES AND COLLECTIONS

#### Oil Sales

In 2021, UOMA Atlantic reported a total of 15,600,096 litres of oil sold in New Brunswick.

#### Oil Collections

There are 198 collection depots established across the province for oil and glycol. In 2021, 10,795,266 litres of used oil were available for recovery. Approximately 55%, or 5,878,023 litres, was burned in approved used-oil furnaces, and 3,345,918 litres of used oil were collected as part of the stewardship program and taken to recycling facilities. This represents a recovery rate of 85.4% for 2021, which is above the program target of 75%.

YEAR	OIL COLLECTED (LITRES)*
2021	3,345,918
2020	2,651,177
2019	3,057,400
2018	3,612,077
2017	3,728,890

#### Oil Filter Sales and Collection

The number of oil filters sold in New Brunswick in 2021 was 1,322,895 units or 396,154 kgs. UOMA Atlantic collected 979,636 units, or 293,362 kgs, which represents a recovery rate of 74.1%. This is slightly below the program target of 75%.

YEAR	OIL FILTERS COLECTED (KILOGRAMS)
2021	293,362
2020	278,104
2019	295,537
2018	339,699
2017	317,694





#### **Oil Containers Collected**

In 2021, 471,845 kgs of oil containers were sold in New Brunswick. Of that total, 448,253 kgs were available for recovery\*. UOMA Atlantic collected 233,245 kgs of containers, which represents a recovery rate of 52%. This is under the program target of 75%.

YEAR	OIL CONTAINERS COLLECTED (KILOGRAMS)
2021	233,245
2020	244,502
2019	240,374
2018	258,354
2017	261,149

\*Oil containers: A 2008 study conducted by Recyc-Quebec and UOMA Atlantic determined that 5% of oil containers are reused and are therefore not available for collection.

# Glycol (Antifreeze) Sales and Collections

Sales of glycol in New Brunswick totaled 1,707,470 litres in 2021. Of the amount sold, 733,358 litres were available for recovery. UOMA Atlantic collected 142,362 litres of glycol, and an additional 256,078 litres were managed by other approved methods, which amounts to a 54.3% recovery rate. This is below the 75% goal for recovery.

YEAR	GLYCOL COLLECTED (LITRES)
2021	142,362
2020	121,299
2019	116,217
2018	114,682
2017	107,482

#### Glycol (Antifreeze) Containers Collected

In 2021, 37,847 kgs of glycol containers were sold in New Brunswick. Of those containers, UOMA Atlantic recovered 13,149 kgs. This is a recovery rate of 34.7%, which is below the 75% program target.

YEAR	GLYCOL CONTAINERS COLLECTED (KILOGRAMS)
2021	13,149
2020	14,760
2019	14,561
2018	15,099
2017	11,770

## **Program Management**

At the request of Recycle NB, UOMA Atlantic has prepared an action plan that outlines objectives, targets and measures to be taken in order to increase collection of designated materials. Recycle NB continues to encourage UOMA Atlantic to strategize and implement plans that will support them in meeting their regulated targets. Recycle NB will also continue to monitor progress and performance of this program and is committed to ensuring that these products are managed in a manner that assures a clean and healthy environment.



# ELECTRONIC PRODUCTS STEWARDSHIP PROGRAM

## **Historical Perspective**

Every year thousands of tonnes of electronic devices end up in landfills. Many of these items, such as televisions, computers, digital cameras and audiovisual systems, contain hazardous materials such as lead and cadmium that are harmful to the environment. They also contain materials such as gold and copper that can be recycled and used to make new products.

The provincial government amended the *Designated Materials Regulation* under the *Clean Environment Act* to include electronic products to ensure the safe recycling of these products. The program began operating on March 30, 2017. The Electronic Products Recycling Association (EPRA) manages and operates the electronics recycling program in New Brunswick.

As part of its program management plan, EPRA has established 78 collection depots throughout New Brunswick. Products accepted for recycling in New Brunswick include televisions, computers, computer accessories, cell phones, laptops, tablets, VCRs, CD players and more.

## **Achievements**

2021 marked the fifth year for electronics recycling in New Brunswick. The program has experienced growth and New Brunswickers have demonstrated their commitment to safeguarding the environment through responsibly recycling approximately 1.026 tonnes of end-of-life electronics.

Continuing efforts between EPRA NB and the 12 Regional Service Commissions has not only led to strong collection rates but the program's highest awareness numbers to date of 73% (*Léger Market Research and Analytics, October 2021*).

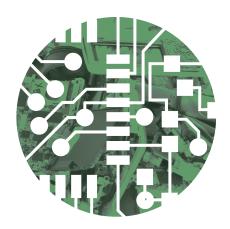
The EPRA NB/Recycle My Electronics program has a vast network of collection locations across New Brunswick consisting of return-to-retail locations and authorized drop-off points, making recycling end-of-life electronics easier than ever.

#### **Materials Collected**

EPRA collected a total of 1,026 metric tonnes of electronic products in New Brunswick in 2021.

YEAR	METRIC TONNES
2021	1,026
2020	971
2019	1,056
2018	875
2017	799





## **Materials Management by Method**

The program guarantees safe and secure recycling of all materials collected and encourages reuse of electronics where possible. The following describes the management of products collected in 2021.

Material Recycled	91.87%
Treated	4.18%
Energy Recovery	1.71%
Disposed	2.24%

#### **Materials Processed**

A number of valuable materials are recovered as part of the recycling process for electronic products. As part of its management plan, EPRA endeavours to recover and reuse as many materials as possible.

Material/Component	% of Material Stream	Process
Leaded Glass	19.34%	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.
Glass	3.42%	Uncontaminated glass is mechanically processed into cullet for use in glass production.
Plastic	12.25%	Plastics are manually and/or mechanically separated. Identifiable plastics are cleaned, sorted and pelletized for reuse; used as a fuel substitute in the process of metal smelting, or managed through an energy-from-waste recovery process.
Ferrous Metals	12.31%	Metals are manually and/or mechanically separated and smelted for reclaim.
Mixed Metals	27.56%	Metals are manually and/or mechanically separated and smelted for reclaim.
Wood	4.96%	Materials are manually separated and managed through an energy-from-waste recovery process or landfilled.
Circuit Boards	3.71%	Boards are manually and/or mechanically separated and smelted for reclaim of precious metals, while the plastics are used as a fuel substitute in the smelting process.
Wires/Cables	5.00%	Manually and/or mechanically separated and smelted for metal recovery, while the plastics are used as a fuel substitute in the smelting process.
Copper	1.94%	Metals are manually and/or mechanically separated and smelted for reclaim.
Aluminum	2.86%	Metals are manually and/or mechanically separated and smelted for reclaim.
Copper Yokes	0.05%	Metals are manually and/or mechanically separated and smelted for reclaim.
Other	4.79%	Materials are manually separated and managed through an energy-from-waste recovery process or landfilled. (Speaker carpeting, foams, magnetic tapes, shredder fluff, CD's, shrink wrap, paper & cardboard, floor sweepings and other small volume miscellaneous materials).
Batteries	0.50%	Mechanically separated for recovery of metals.
Ink/Toner Cartridges	1.27%	Cartridges are cleaned and reconditioned for reuse or processed through an energy-from-waste recovery process.
Dusts	0.01%	Mechanically separated and smelted for reclaim.
Mercury Lamps	0.01%	Lamps are mechanically processed and separated into glass, metal and phosphor powder material streams. Phosphor power is further distilled for mercury recovery. Metal and glass are also reclaimed for further use.
Ethylene Glycol	0.02%	The glycol is manually drained from the light tubes and refined for further use.

## **PUBLIC EDUCATION & AWARENESS**

Recycle NB focuses on strengthening its connections with New Brunswickers and encouraging them to protect the environment for future generations by recycling designated materials. Each year, we implement an integrated communications and marketing strategy, which, along with the promotional efforts of our industry partners, is contributing to change in recycling behaviour.

To build our understanding of our audiences and their priorities, as well as gauge the effectiveness of our communications and marketing efforts, we conducted quantitative and qualitative research with Narrative Research (formerly Corporate Research Associates) in 2021. The following are key highlights from this research, which involved a random telephone survey of 400 New Brunswick residents:

- The vast majority of New Brunswickers describe their household's attitude towards recycling as doing so whenever they can.
- Close to one in two New Brunswickers recall Recycle NB's TV ads, with the messaging clear to those who have seen ads.
- Knowledge of the closest recycling facility has improved compared with three years ago.

Recycle NB's marketing campaign expanded in 2021 to include a new digital campaign designed to complement our newspaper and television ads. We also continued to grow our online audience. The number of visitors to our website in 2021 was approximately 45,000 with more than 126,000 page views. This is an increase over 2020, which recorded 22,616 visitors and 72,052 page views in the same time frame.

As of December 2021, our Facebook audience increased by 6.7%, and our Instagram audience increased by 29%.

## **Building partnerships**



Recycle NB continued its partnership with Habitat for Humanity Fredericton Area in 2021. Through this partnership, we were able to arrange with Laurentide Re/Sources in Richibucto to donate paint to two new homes in the Fredericton area. The paint is collected in New Brunswick, Nova Scotia and PEI as part of the recycling program operated by Product Care Recycling and processed in Richibucto before being rebranded by Laurentide as their Boomerang line.



## **BOARD GOVERNANCE**

## **Board Membership and Structure**

The Minister of Environment and Local Government appoints the members of the Board of Directors of Recycle NB in accordance with Section 4 of the *Designated Materials Regulation - Clean Environment Act.* The directors represent all regions of the province as well as both official linguistic communities. The varied backgrounds and experiences of the directors enable them to bring their individual perspectives to address environmental issues in New Brunswick

The powers of the Board are as laid out in Section 5 of the *Designated Materials Regulation*. The Board is responsible for determining the strategy and policies of Recycle NB, setting objectives for management, approving budgets, as well as discharging its fiduciary obligations in areas where the provincial government has assigned it stewardship responsibility. The Board is also responsible for approving program stewardship plans.

The Board exercises its oversight role of the operations of Recycle NB through regular Board and sub-committee meetings. The Board has established two sub-committees: the Executive Committee and the Finance and Audit Committee. Stakeholders are involved in the operation of Recycle NB through Industry Advisory Committees established by the Board.

In 2021, members of the Recycle NB Board of Directors participated in a LearnSphere workshop, which provides training on healthy governance practices and effective management models.



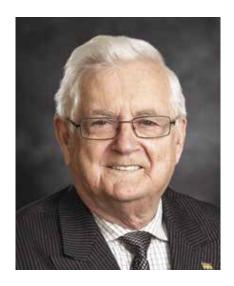
Back row: Erik Matchett, Gildard Chiasson Middle row: Shane Steeves, Emil Olsen

Front row: Richard Gaudet, Jacqueline Carrier, Christelle Léger

## Welcoming a new Board Chair

In 2021, Recycle NB welcomed Gildard Chiasson as Board Chair. Mr. Chiasson is in his second term with the Board, having previously served as Chair in 2015. He served in the Royal Canadian Air Force from 1956-1976. He then moved to Bertrand, NB, where he owned a local business and served as the community's mayor from 1998-2008.

Mr. Chiasson brings a unique perspective to our Board of Directors, brought about by his extensive involvement over the years with non-profit organizations. Now retired, he lives in Shippagan.



## MEMBERS OF THE BOARD AND TERMS OF OFFICE AS OF DECEMBER 31, 2021

Board Member	Term of Office
Gildard Chiasson, Chair, Shippagan, NB	September 12, 2019 - September 11, 2022
Erik Matchett, Vice-Chair, Fredericton, NB	October 12, 2019 - October 11, 2022
Emil Olsen, Quispamsis, NB	October 12, 2019 - October 11, 2022
Christelle Léger, Dieppe, NB	June 18, 2021 - June 17, 2024
Shane Steeves, Shediac Cape, NB	June 18, 2021 - June 17, 2024
Richard Gaudet, Dieppe, NB	June 18, 2021 - June 17, 2024
Jacqueline Carrier, Edmundston, NB	October 22, 2021 - October 21, 2024

## **BOARD MEETINGS**

The Board of Directors met six times in 2021.

Date	Place
January 29	Video conference (Public Health Protocol)
April 16	Video conference (Public Health Protocol)
June 11	Video conference (Public Health Protocol)
September 24	Shediac
October 29	Video conference (Public Health Protocol)
December 3	Fredericton

## **BOARD ATTENDANCE**

In 2021, board attendance was 100%.

Director	Meetings
Gildard Chiasson	6/6
Erik Matchett	6/6
Emil Olsen	6/6
Christelle Léger	3/3
Shane Steeves	3/3
Richard Gaudet	3/3
Jacqueline Carrier	1/1

#### **COMMITTEES**

#### **Executive Committee**

The committee is comprised of four Board members (Board chair, vice-chair and two directors). The Board appoints the committee by resolution. The Chief Executive Officer is an ex-officio member of the committee.

#### The terms of reference of the committee are:

- To deal with issues that emerge between regular Board meetings.
- To provide broad strategic direction and advice to the Board.
- To provide advice to the Board Chair and/or Chief Executive Officer.
- To set performance evaluation criteria for the Chief Executive Officer
- To assess the performance of the Chief Executive Officer.
- To recommend to the Board compensation and benefits levels for staff.
- To coordinate and oversee the evaluation of the Board performance.
- To ensure proper orientation of new Board members.

#### Members

- · Gildard Chiasson, Chair
- · Erik Matchett, Vice-Chair
- Emil Olsen
- · Christelle Léger

#### **Finance and Audit Committee**

The committee is comprised of four Board members appointed by Board resolution. The Chief Executive Officer is an ex-officio member of the committee.

#### The terms of reference for the finance function of the committee are:

- Ensure the Board meets its fiduciary responsibilities.
- · Provide broadly-based advice to management on the annual budget.
- Review the quarterly financial statements.
- Review the effectiveness of the company's internal control systems.
- Monitor compliance with appropriate laws and regulations.
- Recommend investment policy guidelines, whenever required.
- · Review the completeness and accuracy of public financial reports.
- · Consider any financial issues within the Board's jurisdiction.

#### The terms of reference for the audit function of the committee are:

- Review and determine the structure and scope of the internal audit function.
- Review the external auditor's audit scope and approach.
- Review the performance of the external auditor and recommend appointment or discharge.
- Consider any audit issues within the Committee's jurisdiction.

#### Members

- · Emil Olsen, Chair
- Shane Steeves
- Richard Gaudet
- · Gildard Chiasson

### **Industry Advisory Committees**

We encourage stakeholders in the tire, paint, oil/glycol and electronics industries to take part in the management of recycling programs through Industry Advisory Committees (IACs), which are chaired by a Recycle NB Board member. Through this system of governance, the Board benefits from the expertise and advice of stakeholders in an efficient and

equitable manner. Members of the IAC committees meet regularly to comment on issues, discuss concerns and consider suggestions, as well as to develop innovative solutions. This cooperative partnership ensures that a variety of perspectives are heard regularly, evaluated, and used by the Board and staff of Recycle NB.



## **Tire Stewardship Program**

#### **Industry Advisory Committee Members**

- Recycle NB, Emil Olsen, Board member
- Recycle NB, Frank LeBlanc, CEO
- Recycle NB, Jamie Seamans, Program Director
- TRACC, Stephen Richardson, President
- Atlantic Tire Dealers Association, Frank Connor, Executive Director
- NB Automobile Dealers Association, Darcy LeBlanc, Executive Director
- ECO 360 (Southeast Regional Service Commission), Roland LeBlanc, Director of Solid Waste



## **Paint Stewardship Program**

#### **Industry Advisory Committee Members**

- Recycle NB, Gildard Chiasson, Chair
- Recycle NB, Neda Tomic, Program and Compliance Manager
- Recycle NB, Jamie Seamans, Program Director
- Product Care Recycling, Mark Kurshner, President
- **Product Care Recycling**, Mannie Cheung, *Vice-President*
- Product Care Recycling, Don Shea, NB Coordinator
- Product Care Recycling, Gil Yaron, Director of Programs
- Product Care Recycling, Brandie Boit, Program Coordinator
- Home Hardware Stores Limited, Tim Dietrich, Manager Dealer Operation
- Home Hardware Stores Limited, Steven Morneault, Regional Paint and Home Products Consultant
- Retail Council of Canada Atlantic Canada, Jim Cormier, Director Government Relations
- Eastern Recyclers Association, Bruce Rogers, Executive Director
- Laurentide Re/Sources, Bernie Hébert, Director of Manufacturing Operations
- **Hebert's Recycling Inc.**, Carole Sargent, *Office Manager*
- Northwest Regional Service Commission, Richard Lebel, Representative



## Oil and Glycol Stewardship Program

#### **Industry Advisory Committee Members**

- Recycle NB, Alain Guitard, Chair
- Recycle NB, Neda Tomic, Program and Compliance Manager
- Recycle NB, Jamie Seamans, Program Director
- Wakefield Canada, Pascal Daudelin, Regional Sales Manager
- Retail Council of Canada, Jim Cormier, Director Government Relations
- Retail Council of Canada, David Bois, Representative
- Acadian Peninsula Regional Service Commission, Gary LeBlanc, Director Solid Waste Management Division
- RPM Eco, Pierre Gendron, General Manager
- Terrapure Environmental, Adam Hayes, District Manager
- Terrapure Environmental, Crystal Kennedy, Supervisor Operations
- UOMA Atlantic, Jean Duchesneau, General Manager
- UOMA Atlantic. Jean-Fancois Richard. Controller
- UOMA Atlantic. Albert Girard. Consultant
- UOMA Atlantic, Luc Gagnon, Operations Program Manager



## **Electronic Products Stewardship Program**

#### **Industry Advisory Committee Members**

- Recycle NB. Erik Matchett. Chair
- Recycle NB, Frank LeBlanc, CEO
- Recycle NB, Jamie Seamans, Program Director
- Recycle NB, Neda Tomic, Program and Compliance Manager
- Electronic Products Recycling Association, Cliff Hacking, President
- Electronic Products Recycling Association, Gerard MacLellan, Executive Director
- Electronic Products Recycling Association, Karen Ulmanis, Program Director
- Retail Council of Canada, Jim Cormier, Director Government Relations
- Kent Regional Service Commission, Isabelle Godin, Assistant Executive Director
- Carrefour Environnement Saguenay, Réjean Pilote, Business Manager
- **GM Rioux**, Mélanie Desjardins, *Vice-President Operations and Administration*
- Eastern Recyclers Association, Bruce Rogers, Executive Director

## INDEPENDENT AUDITORS' REPORT



KPMG LLP Frederick Square, TD Tower 77 Westmorland Street, Suite 700 Fredericton New Brunswick E3B 6Z3 Canada T: (506) 452-8000 F: (506) 450-0072 www.kpmq.ca

#### TO THE BOARD OF DIRECTORS OF RECYCLE NEW BRUNSWICK

## **Qualified Opinion**

We have audited the financial statements of Recycle New Brunswick (the Company), which comprise:

- the statement of financial position as at December 31, 2021
- · the statement of operations for the year then ended
- the statement of changes in net assets for the year then ended
- the statement of cash flows for the year then ended
- and notes to the financial statements, including a summary of significant accounting policies

(Hereinafter referred to as the "financial statements").

In our opinion, except for the possible effects of the matter described in the "Basis for Qualified Opinion" paragraph, the accompanying financial statements present fairly, in all material respects, the financial position of the Company as at December 31, 2021 and its results of operations, its changes in net assets and its cash flows for the year then ended in accordance with Canadian public sector accounting standards.

## **Basis for Qualified Opinion**

The Company derives a portion of its revenue from the collection of tire recycling fees pursuant to the provisions of the Clean Environment Act, the completeness of which is not susceptible to satisfactory audit verification. Accordingly, our verification of these fee and levy revenues was limited to the amount recorded in the records of the Company and we were not able to determine whether any adjustments might be necessary to

- the current assets reported in the statements of financial position as at December 31, 2021 and 2020.
- the Tire Program revenues and excess (deficiency) reported in the statements of operations for the years ended 2021 and 2020
- net assets, at beginning and end of the year, reported in the statements of changes in net assets for the years ended 2021 and 2020
- the excess (deficiency) reported in the statements of cash flows for the years ended 2021 and 2020

Our opinion on the financial statements for the year ended December 31, 2020 was qualified accordingly because of the possible effect of this limitation in scope.

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the "Auditors' Responsibilities for the Audit of the Financial Statements" section of our auditors' report.

We are independent of the Company in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada and we have fulfilled our other ethical responsibilities in accordance with these requirements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

## Responsibilities of Management and Those Charged With Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with Canadian public sector accounting standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

Those charged with Governance are responsible for overseeing the Company's financial reporting process.

## Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion.

Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists.

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit.

#### We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit
  procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion.
  - The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Chartered Professional Accountants Fredericton. Canada

KPMG LLP

June 17, 2022

Statement of Financial Position
December 31, 2021, with comparative information for 2020

	2021	2020
Assets		
Current assets: Cash Accounts receivable (note 2)	\$ 2,834,606 1,479,182	\$ 4,230,905 1,110,985
	4,313,788	5,341,890
Investments (note 3) Capital assets (note 4)	686,080 31,898	684,521 33,265
	\$ 5,031,766	\$ 6,059,676
Liabilities and Net Assets  Current liabilities:  Accounts payable and accrued liabilities  EPR payable (note 5)  Employee future benefits (note 6)	\$ 712,722 72,144 102,265	\$ 694,069 39,507 91,961
Employee latale beliefle (flote 6)	887,131	825,537
Net assets: Invested in capital assets Unrestricted	31,898 4,112,737	33,265 5,200,874
Contractual obligations (note 8) Contingencies (note 9)	4,144,635	5,234,139
	\$ 5,031,766	\$ 6,059,676

See accompanying notes to financial statements.

On behalf of the Board:

Emil Olsen, Director

Gildard Chiasson, Director

Statement of Operations

Year ended December 31, 2021, with comparative information for 2020

	2021	2020
Revenues:		
Tire Program Oil Program Paint Program E-waste Program Other	\$ 5,352,453 210,365 69,164 368,534	180,119 72,373
Expenses:	6,000,516	6,257,584
Tire Program (schedule 1) Oil Program (schedule 2) Paint Program (schedule 3) E-waste Program (schedule 4) Other	6,462,039 210,365 69,164 368,534 345	180,119 72,373 360,451
	7,110,447	5,809,772
Excess (deficiency) of revenues over expenses before the undernoted item	(1,109,931)	447,812
Investment income	20,427	40,205
Excess (deficiency) of revenues over expenses	\$ (1,089,504)	\$ 488,017

See accompanying notes to financial statements.

Statement of Changes In Net Assets Year ended December 31, 2021, with comparative information for 2020

	sted in tal assets	Unrestric	Total ted 2021	Total 2020
Balance, beginning of year	\$ 33,265	\$ 5,200,	874 \$ 5,234,139	\$ 4,746,122
Excess (deficiency) of revenues over expenses	(25,730)	(1,063,7	(1,089,504)	488,017
Net change in investment in capital assets	24,363	(24,3	63) -	-
Balance, end of year	\$ 31,898	\$ 4,112,7	737 \$ 4,144,635	\$ 5,234,139

See accompanying notes to financial statements.

Statement of Cash Flows

Year ended December 31, 2021, with comparative information for 2020

	2021	2020
Cash provided by (used in):		
Operating activities:  Excess (deficiency) of revenues over expenses Items not involving cash:	\$ (1,089,504)	\$ 488,017
Amortization of capital assets Employee future benefits	25,730 10,304	19,501 32,047
	(1,053,470)	539,565
Change in non-cash operating working capital: Increase in accounts receivable Increase in accounts payable and accrued liabilities Increase (decrease) in EPR payable	(368,197) 18,653 32,637	(24,442) 17,363 (91,727)
	(1,370,377)	440,759
Investing activity:  Net change in investments  Capital activity:	(1,559)	(4,344)
Purchase of capital assets	(24,363)	(23,903)
Increase (decrease) in cash	(1,396,299)	412,512
Cash, beginning of year	4,230,905	3,818,393
Cash, end of year	\$ 2,834,606	\$ 4,230,905

See accompanying notes to financial statements.

Notes to Financial Statements Year ended December 31, 2021

Recycle New Brunswick (the "Company") is an agent of the crown, incorporated under *New Brunswick Regulation 2008-54* under the Clean Environment Act ("Act"). The principal business activities are overseeing the collection and recycling of used tires, architectural paint, used oil and glycol, and E-waste ("designated materials") on behalf of the Minister of Environment for the Province of New Brunswick. Under the Act, any fees collected by the Company, in each of its designated material programs, are to be used solely to meet its purposes, as established under the Act, in its oversight responsibilities.

#### 1. Significant accounting policies:

The financial statements have been prepared in accordance with Canadian public sector accounting standards. The Company has elected to apply the Section 4200 series for government not-for-profit organizations and the deferred method of accounting for contributions.

#### Significant accounting policies are as follows:

#### (a) Financial assets and liabilities:

Financial instruments are recorded at fair value on initial recognition. Equity instruments that are quoted in an active market are subsequently recorded at fair value. All other financial instruments are subsequently recorded at cost or amortized cost, unless management has elected to carry the instruments at fair value. The Company has not elected to carry any such financial instruments at fair value.

All financial instruments measured at amortized costs, including investments, approximate fair value.

## (b) Capital assets:

Capital assets are stated at cost, less accumulated amortization. Amortization is provided using the straight-line method at the following annual rates:

Asset	Rate
Building - leasehold improvements	5 years
Furniture and fixtures	5 years
Computer equipment	3 years
Operational equipment	3 years

## (c) Employee future benefits:

Employees of the Company are entitled to sick pay benefits which accumulate to a maximum of 240 days, but do not vest. The Company recognizes the liability in the period in which the employee renders the service.

Notes to Financial Statements (continued) Year ended December 31, 2021

#### 1. Significant accounting policies (continued):

#### (d) Revenue recognition:

Revenues from the Tire Program, which includes fees and levies for scrap tires, are recognized in revenues when cash is received or receivable from the tire retailers. The Company uses a closing date of January 31 of the following year to recognize fee transfers from tire retailers related to the current year as a receivable.

Revenues from the Oil, Paint, and E-Waste programs are recognized in revenues as services are performed and collection is reasonably assured.

Unrestricted contributions are recognized as revenues when received or receivable if the amount to be received can be reasonably estimated and collection is reasonably assured.

Contributions externally restricted for specific purposes are deferred on the Statement of Financial Position and recognized as revenues in the period in which the related expenses are incurred.

Investment income is recognized in the year it is earned.

#### (e) Use of estimates:

The preparation of the financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the dates of the financial statements and the reported amount of revenues and expenses during the reporting periods. Significant estimates include the allowance for doubtful accounts, amortization of capital assets, accrued liabilities, employee future benefits and the allocation of expenses by program. Actual results could differ from those estimates.

#### 2. Accounts receivable:

	2021	2020
Tire fees	\$ 497,807	\$ 649,929
Sales taxes	981,375	461,056
	\$ 1,479,182	\$ 1,110,985

Notes to Financial Statements (continued) Year ended December 31, 2021

#### 3. Investments:

	2021		2020
Cash held in broker's account	\$ 6	\$	6
Renaissance High Interest Savings Account	131,272		130,945
Manulife Bank Investment Savings Account	112,569		112,401
RBC Investment Savings Account Series A	111,179	١	110,956
BNS Investment Savings Account	331,054	ļ	330,213
	\$ 686,080	\$	684,521

## 4. Capital assets:

	Cost	Accumulated amortization	2021 Net book value	2020 Net book value
Building - leasehold improvements	\$ 70,935	\$ 70,935	\$ -	\$ -
Furniture and fixtures	82,023	77,493	4,530	4,993
Computer equipment	215,434	188,066	27,368	27,549
Operational equipment	2,891	2,891	-	723
	\$ 371,283	\$ 339,385	\$ 31,898	\$ 33,265

Amortization expense for the year is \$25,730 (2020 - \$19,501).

Notes to Financial Statements (continued) Year ended December 31, 2021

#### 5. EPR payable:

The Oil, Paint, and E-Waste programs are Extended Producer Responsibility (EPR) programs which are operated on a cost recovery basis. Each producer is assessed a fee which will be used to cover the educational and administrative costs of the program.

Under the terms of the EPR agreements, costs incurred by the Company while administering the Oil, Paint, and E-Waste programs will be charged to the producers annually. Any excess of monies received from the producer over costs incurred is recorded as a liability at year end, as the excess amount will be credited toward future producer payments in the next fiscal year. Any excess costs over monies received is recorded as a recoverable at year end.

EPR payable	2021	2020
Oil Program	\$ 17,064	\$ 27,229
Paint Program	28,984	18,047
E-Waste Program	26,096	(5,769)
	\$ 72,144	\$ 39,507

#### 6. Employee future benefits:

The Company employees receive sick leave that accumulates. Unused hours can be carried forward for future paid leave. An estimate for this future liability has been completed and forms the basis for the estimated liability reported in these financial statements.

The liability at December 31 is as follows:

	2021	2020
Accrued sick pay obligation, beginning of year	\$ 91,961	\$ 59,914
Current service cost	17,166	50,612
Benefit payments	(6,862)	(18,565)
Accrued sick pay obligation, end of year	\$ 102,265	\$ 91,961

Notes to Financial Statements (continued) Year ended December 31, 2021

#### 7. Allocation of expenses:

All expenses which can be directly attributed to one of the Company's designated materials programs have been allocated based on the expected revenues generated by the programs. General expenses relating to human resources, finance, communications, office and facilities expenditures have been allocated as follows:

	2021	PERCENTAGE 2020		Al 2021	LLOCATI	ON 2020
Tire Program	39%	40%	\$	406,201	\$	411,066
Oil Program	20%	18%		209,415		179,969
Paint Program	6%	7%		68,402		71,579
E-Waste Program	35%	35%		368,317		359,938
			\$1	,052,335	\$ 1,	,022,552

## 8. Contractual obligation:

The Company has entered into a lease for their office premises, expiring in 2025. Annual repayments are as follows:

2022	38,047
2023	38,047
2024	38,047
2025	38,047
	\$ 152,188

Notes to Financial Statements (continued) Year ended December 31, 2021

#### 9. Contingencies:

The Company has a signed a contract, which terminates in February 2025, with Tire Recycling Atlantic Canada Corporation (TRACC), where payments are made based on a weight-based tipping fee model. Payments are made monthly for \$360 per ton for scrap tires received at their processing facility. Annually, a comparison between the weight of scrap tires calculated using weigh scale confirmation slips versus collection receipt slips is completed. If the difference is less than 4.5%, no adjustments to TRACC payments are made. If the difference exceeds 4.5% an additional payment is made or refund received from TRACC. The Company administers remuneration for this contract on behalf of the Province of New Brunswick and will pay or receive any adjustments accordingly.

#### 10. Related party transactions:

The Company is an agent of the Province of New Brunswick. During the year, the Company received tire fees and levies from scrap tires, in the approximate amount of \$882,702 (2020 \$829,299), which was collected through Service New Brunswick.

These transactions are measured at the exchange amount, which is the amount of consideration established and agreed to by the related parties.

#### 11. Financial risks:

The Company has exposure to the following risks from its use of financial instruments: credit risk, market risk and liquidity risk.

The Board of Directors has identified its major risks and concerns, and has approved investment policy guidelines. Management monitors the risk and adherence to the policy guidelines.

#### (a) Credit risk:

Credit risk is the risk of financial loss to the Company if a counterparty to a financial instrument fails to meet its contractual obligations. Such risks arise principally from certain financial assets held by the Company consisting of cash, accounts receivable and investments.

The Company manages its credit risk surrounding its cash and investments by investing in well established financial institutions and governments. Management has assessed credit risk as low with respect to accounts receivable given the demonstrated collection after year end.

The maximum exposure to credit risk of the Company at December 31, 2021 is the carrying value of these assets.

Notes to Financial Statements (continued) Year ended December 31, 2021

#### (b) Market risk:

Market risk is the risk that changes in market prices, such as interest rates, will affect the Company's income or the value of its holdings in the financial instruments. The objective of market risk management is to control market risk exposures within acceptable parameters while optimizing the return on risk.

Interest rate risk is the risk that the fair value of future cash flows of a financial instrument will fluctuate because of changes in the market interest rates.

#### (c) Liquidity risk:

Liquidity risk is the risk that the Company will not be able to meet its financial obligations as they become due.

The Company manages liquidity risk by continually monitoring actual and forecasted cash flows from operations and anticipated investing and financing activities to ensure, as far as possible, that it will always have sufficient liquidity to meet its liabilities when due, under both normal and stressed conditions, without incurring unacceptable losses or risking damage to the Company's reputation.

Schedule 1 - Tire Program Year ended December 31, 2021, with comparative information for 2020

	2021	2020
Revenues	\$ 5,352,453	\$ 5,643,709
Expenses:		
Scrap tire processing	6,036,233	4,733,321
Salaries and employee benefits	206,051	243,083
Communication and translation	110,989	88,230
General and administrative	98,833	92,069
Amortization of capital assets	9,933	7,840
	6,462,039	5,164,543
	\$ (1,109,586)	\$ 479,166

## **RECYCLE NEW BRUNSWICK**

Schedule 2 - Oil Program Year ended December 31, 2021, with comparative information for 2020

	2021	2020
Revenues	\$ 210,365	\$ 180,119
Expenses:		
Salaries and employee benefits	106,229	106,424
Communication and translation	57,410	38,628
General and administrative	41,606	31,635
Amortization of capital assets	5,120	3,432
	210,365	180,119
	\$ -	\$ -

Schedule 3 - Paint Program

Year ended December 31, 2021, with comparative information for 2020

	2021	2020
Revenues	\$ 69,164	\$ 72,373
Expenses:		
Salaries and employee benefits	34,698	42,328
Communication and translation	19,276	15,364
General and administrative	13,518	13,316
Amortization of capital assets	1,672	1,365
	69,164	72,373
	\$ -	\$ -

## **RECYCLE NEW BRUNSWICK**

Schedule 4 - E-Waste Program

Year ended December 31, 2021, with comparative information for 2020

	2021	2020
Revenues	\$ 368,534	\$ 360,451
Expenses:		
Salaries and employee benefits	186,834	212,849
Communication and translation	100,160	77,407
General and administrative	72,535	63,331
Amortization of capital assets	9,005	6,864
	368,534	360,451
	\$ -	\$ -

## **GLOSSARY**

**Designated Materials** are waste streams identified by the New Brunswick government under the provisions of the *Clean Environment Act*. The management of a waste stream is entrusted to a Stewardship Board by the government. A Board may be responsible for one or more Designated Materials. The Stewardship Board for tires, paint, electronics, oil and glycol in New Brunswick is Recycle NB.

**Extended Producer Responsibility (EPR)** is a strategy designed to promote the integration of environmental costs associated with goods throughout their life cycles into the market price of the products. EPR encourages manufacturers to design environmentally-friendly products by holding producers liable for the costs of managing their products at end of life. This approach persuades manufacturers to internalize the cost of recycling within the product price. The rationale of EPR is that producers (usually brand owners) have the greatest control over product design and marketing and therefore have the greatest ability and responsibility to reduce toxicity and waste.

Household Hazardous Waste (HHW) is the term for common household chemicals and substances for which the owner no longer has a use. These substances exhibit many of the same dangerous characteristics as fully-regulated hazardous wastes due to their potential for reactivity, ignitability, corrosivity, toxicity, and persistence. Paints, pesticides, propane tanks, batteries, syringes, used motor oil and many cleaning products are just some examples of household hazardous wastes, that are used daily by residents. These items should be used and disposed of responsibly.

Moving Beyond Waste is an approach in managing hazardous and solid waste that has a clear and simple goal: reducing wastes and toxic by-products whenever possible while using the remaining materials as a resource, thus contributing to economic, social, and environmental health.

**OTR (Off-the-Road)** tires are generally used by the agriculture, forestry, construction and mining sectors. These tires are difficult to manage due to their size, weight and durability.

**PTE (Passenger Tire Equivalent)** is an industry accepted method for allowing comparision between tires which are sold and tires which are collected under the program.By transforming tire counts into weights, the program can efficiently track KPI statistics over time. **PTE=10Kg.** 

**Product Stewardship** is a concept whereby environmental protection centers around the product itself, and everyone involved in the lifespan of the product is called upon to take responsibility to reduce its environmental impact. For manufacturers, this includes planning for and, if necessary, paying for the recycling or disposal of the product at the end of its useful life. This may be achieved, in part, by redesigning products to use fewer harmful substances, to be more durable, reuseable and recyclable, and to make products from recycled materials. For retailers and consumers, this means taking an active role in ensuring the proper disposal or recycling of an end-of-life product.

**Volatile Organic Compounds (VOCs)** refer to organic chemical compounds which are emitted as gases from certain solids or liquids. VOCs include a variety of chemicals, some of which may have short or long-term effects on the the environment and human health.







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