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Printed Paper & Packaging Stewardship Summit



Extended Producer Responsibility (EPR) is the acknowledgement by a producer that they have to take responsibility to ensure proper end-of-life management for their product. In an increasing number of jurisdictions, some provinces have already implemented necessary regulations that have challenged producers to make the transition to steward.

Here in Nova Scotia, the landscape is ready for new opportunity. Regulating additional materials will strengthen our province's reputation as a leader in solid waste diversion, move us closer to achieving our aggressive waste diversion targets, and extend the life of our existing seven second-generation landfills.

EPR for printed paper and packaging also has the potential to mitigate some of the challenges faced by RRFB Nova Scotia,

Summit presenters (left to right): Patrick Donaghy, Regional District of Mount Waddington, British Columbia; Guy Perry, Guy Perry and Associates; Glenda Gies, Glenda Gies and Associates; Duncan Bury, Duncan Bury Consulting; and Nicole Warren, Nova Scotia Environment (missing from photo: Darryl Drohomerski, City of Winnipeg, Manitoba presented via Skype)

its partners and stakeholders. For example, address the significant costs associated with municipal solid waste management, boost diversion numbers to meet targets, and find ways to expand the use of existing recycling infrastructure and program management expertise.

A stewardship program for printed paper and packaging is on the horizon for Nova Scotia. Hence, RRFB Nova Scotia in partnership with Nova Scotia Environment and the Waste Resource Association of Nova Scotia (WRANS) hosted a Printed Paper & Packaging Summit in June.

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Printed Paper & Packaging... Continued from page 1

The goals of the summit were to inform municipal stakeholders about printed paper and packaging programs in other parts of Canada and initiate discussion about the challenges and opportunities related to a future printed paper and packaging program in Nova Scotia.

The summit agenda included several out-of-province speakers with significant experience related to printed paper and packaging programs. The event also featured an overview of a May 2014 study entitled *Framework and Implementation Plan for Waste Packaging and Paper Stewardship Program Across Atlantic Canada*, including a jurisdictional review of other programs in Canada and abroad. The presentations and the study are available on the RRFB Nova Scotia website at www.putwasteinitsplace.ca.

- **Packaging and Printed Paper Stewardship: Nova Scotia Perspective**, by Nicole Warren, Nova Scotia Environment
- **Proposed Packaging and Paper Framework for Atlantic Canada**, by Duncan Bury, Duncan Bury Consulting
- **Printed Paper & Packaging Program: Implementation Considerations**, by Glenda Gies, Glenda Gies and Associates
- **Funding Approaches in Canadian Printed Paper & Packaging Stewardship Programs**, by Guy Perry, Guy Perry and Associates
- **Regional District of Mount Waddington & Printed Paper and Packaging Stewardship**, by Patrick Donaghy, Regional District of Mount Waddington, British Columbia
- **Winnipeg Recycles**, by Darryl Drohomerski, City of Winnipeg, Manitoba

RRFB Nova Scotia Welcomes New and Returning Directors



Over the past 30 years, **Nick Moryto** has held senior marketing and sales roles with the world's largest beverage companies, including Pepsi-Cola, Coca-Cola and ABInbev, the world's largest brewer. His involvement with beverage container recycling dates back to the first beverage container recycling company in Atlantic Canada, EnCorp New Brunswick,

where he was a board member. Nick has also served as President of the Canadian Soft Drink Association of Atlantic Canada. He holds a degree in Economics from the University of Toronto and a management development diploma from Penn State University/Smeal College. Nick was appointed to the RRFB Nova Scotia Board of Directors in June 2014.



Bill Morash, CA is Chief Financial Officer at Farnell Packaging Limited, an environmentally responsible manufacturer of flexible packaging materials in Dartmouth, N.S. His input and commitment to the strategic management team has contributed to Farnell Packaging being recognized as a leader in the flexible packaging industry, as well as having award winning environmental

and sustainable manufacturing best practices. Prior to joining Farnell Packaging in 1997, he was a Senior Manager at Grant Thornton LLP. Bill is a member of the Institute of Chartered Accountants of Nova Scotia (1992) and has a Bachelor of Commerce degree from Saint Mary's University (1990).



Leland Anthony was born in Yarmouth, N.S. and has lived his entire life in the small rural community of Chebogue. He and his wife have three sons. They are fortunate to have all three boys and their families still working and living in their area. Before running for council, Leland served on several committees and boards, including, Director and Past President of the Western

Nova Scotia Exhibition; and Director on the YRBC, YCEA, Community Futures, and the Yarmouth branch of the Cystic Fibrosis Foundation. Leland was elected councillor for the Municipality of Yarmouth in 1995, and served four of those years as Warden. He is the Chair of Region 7 Waste Check, and has enjoyed sitting on Regional Chairs for the last eight years, serving the last three years as Vice Chair.



Rick Ramsay was re-appointed Chair of the RRFB Nova Scotia Board of Directors in May 2014. Rick is President of Richard G. Ramsay Management Consultants Inc., a company specializing in financial, human resources, governance and organizational restructuring, and policy support for municipalities and non-governmental organizations in the Maritime provinces.

Prior to the formation of his company, Rick served as Chief Administrative Officer for the Municipality of the County of Kings for 20 years. He was formerly Vice President of the Nova Scotia Chamber of Commerce and President of the East Hants and Districts Chamber of Commerce. He also serves his community as Treasurer of the East Hants Family Resource Centre. Rick is a past President of the Association of Municipal Administrators of Nova Scotia, and the Rotary Club of Kentville. He holds a Masters of Public Administration (1998) from the University of Western Ontario.

Donating Textiles Never Goes Out of Style

Every year, Nova Scotians donate approximately 7,000 tonnes of household textiles to charitable organizations. However, another 30,000 tonnes are still sent to Nova Scotia landfills for disposal. To raise awareness around textile recycling, this spring RRFB Nova Scotia partnered with the seven solid waste management regions in a campaign to get Nova Scotians to consider donating rather than throwing away unwanted clothing and household textiles.

Between May 20 and 24, solid waste management regions rewarded Nova Scotians at clothing drives and "Get Caught Donating" events at local used clothing stores and textile donation bins throughout their community. RRFB Nova Scotia provided the regions with funding to promote their event and purchase prizes, produced a radio ad for regions to customize, and advertised in The Chronicle Herald.

Textile donation came to the forefront in the spring of 2013 at a textiles recycling summit hosted by RRFB Nova Scotia and Nova Scotia Environment. The summit featured presentations from municipalities, clothing recyclers and small scale businesses. From that session, the clothing recyclers came together to form a textiles recycling coalition. On May 21, 2014 the coalition launched their association, **AFTeR** (Association for Textile Recycling), and announced their new website: www.afterwear.ca.

AFTeR includes: Big Brothers Big Sisters, Canadian Diabetes Association Clothesline®, Canadian Red Cross/LML Trading, Salvation Army Thrift Store, Value Village, Eastern Recyclers Association, IWK and the Canadian Breast Cancer Foundation.

Print ad to promote textile donations



Recycling
never goes out
of style.

30,000 tonnes of textiles, that could be donated, end up in Nova Scotia's landfills every year.

Between May 20 and 24, join RRFB Nova Scotia and municipalities as we reward Nova Scotians for donating used clothing and household textiles.

Find out how at PutWasteInItsPlace.ca

PUT WASTE IN ITS PLACE | 

Who Will You Nominate for Environmental Excellence?

This fall, RRFB Nova Scotia will host the 16th annual Mobius Awards of Environmental Excellence. The awards recognize the achievements of Nova Scotia organizations and individuals who help make our province a leader in waste reduction, recycling and composting. The awards luncheon will be held on Wednesday, **October 15** at Pier 21 in Halifax.

Nominations will be accepted from July 21, 2014 to September 15, 2014 in the following categories.

Business of the Year:

open to small and large businesses — two awards will be presented in this category

Institution of the Year:

open to public and private sector institutions, for example, hospitals, universities, colleges, long-term care/ nursing home facilities

Innovation in Waste Reduction:

open to individuals, private and public organizations that have developed and implemented a new product or service from waste-resource materials

Waste Reduction Education:

open to individuals and groups

Individual Excellence in Waste Reduction:

open to individuals who champion waste management

School of the Year:

open to Nova Scotia Primary to Grade 12 schools

Best Community-Based Project:

open to individuals, not-for-profit organizations and community groups

To view past winners and access the nomination forms, visit our website at: www.putwasteinitsplace.ca/mobius-awards.asp

Regional Highlights 2013–2014

In fiscal 2013–2014, RRFB Nova Scotia provided \$6.7 million to Nova Scotia's 54 municipalities to fund local recycling, composting and other waste diversion programs and initiatives across the province. This brings the total municipal waste diversion funding provided by RRFB Nova Scotia to more than \$124 million since 1996.

Region 1

Cape Breton Regional Municipality

Community Litter Cleanup Program

CBRM's Solid Waste department continued to support and provide assistance to community groups, associations, schools, and volunteers who were interested in completing a litter cleanup in CBRM. Garbage bags and gloves were provided free of charge upon request. The Solid Waste department also assists groups with arrangements for disposing litter following the completion of the cleanup. In 2013–2014, the department provided support to 47 community-based litter cleanups across CBRM.

Region 2A

Antigonish – Guysborough

Organics Collection Program

The Municipality of the District of Guysborough rolled out 3,400 green carts to residents and small business in 2013–2014.

Weekly organics collection started in July 2013, and in the first nine months over 199 tonnes of organic waste was diverted from landfill.

Refrigeration Gas Removal Equipment and Training

Thanks to RRFB Nova Scotia's MAP funding, refrigeration gas removal equipment was purchased for the Beech Hill and St Mary's transfer stations. Operators from each of these facilities achieved certified training and Guysborough Waste Management Facility operators updated their training.

Region 2B

Pictou County

Business of the Month Program Going Strong

Pictou County's Business of the Month Award was a popular initiative during 2013–2014. The program acknowledges and rewards businesses for their efforts

in waste reduction. Pictou County Solid Waste presents winners with a certificate of achievement and announces the award in local media, as well as on their website and Facebook page. Winners, varying from quick service restaurants to hairdressing salons and preschools, are either selected by Region 2B staff or nominated by their own staff. Twelve businesses were recognized during 2013–2014.

Taking Event Greening to the Next Level

The 2013 Mobius Award winner for Best Community-Based Program was the Scotsburn Fire Department for their Pork Chop BBQ. They have been serving takeout meals to residents for the past 45 years, and were awarded this Mobius Award for their efforts and ability to serve 1,955 dinners with minimal amount of sorted waste being disposed of at the end of the event. With the assistance from RRFB Nova Scotia's Community Sponsorship funding program, they plan to take Event Greening to a new level in 2014 by using only compostable takeout containers for their dinners; no Styrofoam!

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Recent Staff Changes at RRFB Nova Scotia

In April 2014, RRFB Nova Scotia welcomed Gilles Doucette and Kurt Laskow-Pooley as new team members! Gilles is our new Director of Operations and Kurt is our new Program Development Officer for education and business development.



Gilles is a certified engineering technician with a Bachelor of Applied Science and Engineering Technology from Memorial University and a Diploma in Civil Engineering Technology from NBCC.



Kurt has an MBA specializing in corporate strategy, and a BA in Business Economics with Business Law. He has demonstrated expertise in business

and economic development, project management, and establishing partnerships for research and commercialization projects. Most recently, he worked as an Industry Liaison and Business Development Officer for Three Oaks Innovation in PEI.

Congratulations and best wishes go out to Jerome Paris, who retired on May 30! Jerome started with RRFB Nova Scotia about a month after our inception in 1996, and most recently he served as our Director of Operations. We thank Jerome for his commitment, dedication and hard work over the years. He will be missed!



In July we said goodbye to Scott Langille, our Tire Logistics Manager, who accepted a position with EPRA. Scott was an invaluable employee for the last seven years and we wish him well in his new position.

Regional Highlights...

Continued from page 4

Region 3

Colchester, Cumberland and Hants East

The Northern Region increased its diversion rate to 42% in 2013-2014. This means each person disposes on average 443 kg of waste per year vs 515 kg the previous year. The success of the clear bag for garbage programs and organics diversion programs continue to enhance their efforts to get to the provincial goal of 300 kg per person per year by 2015.

Region 4 Halifax

Building a Better Solid Waste System Together

In 2013-2014, Halifax rolled out the Solid Waste Strategy Community Engagement Program to educate residents, businesses and the waste industry community about the solid waste system, and engage them in a conversation about how it may evolve. Education staff hosted 14 events across the region, and provided an online engagement tool, *ShapeYourCityHalifax.ca*, with educational videos, discussion forums and surveys. Public and stakeholder feedback was compiled to formulate recommendations to Council. In January 2014, Council approved by-law amendments, which included introducing clear bags for garbage, reducing the garbage bag limit from six to four, introducing kraft paper bag for leaf/yard waste, and enhancing residential curbside and multi-residential program monitoring.

Improving Diversion at the Mic Mac Mall Food Court

In partnership with Solid Waste Resources, Mic Mac Mall introduced a new table service program to divert more waste away from landfill. Mic Mac Mall had identified they were diverting 58% of waste and sought areas of opportunity to enhance diversion. In the food court, customers now leave their tray tables where service staff collect and sort the waste. This is intended to minimize contamination levels, enhance proper sorting activity and improve convenience for the mall customer.

Region 5

Annapolis Valley

Town of Annapolis Royal Joins Valley Waste

The Town of Annapolis Royal became the 9th member of the Valley Waste-Resource Management Authority in October 2013. Valley Waste staff distributed green carts and provided education sessions for businesses and residents in the town. Additionally, educators went door-to-door explaining the curbside organics collection program and sorting requirements.

Reuse Exhibit

As part of Waste Reduction Week 2013, Valley Waste hosted a Reuse Exhibit to celebrate the many amazing creations local artisans and hobbyists have been making from reused or refurbished items once destined for the landfill. Over 30 entries were on display and close to 300 people attended the event.

Region 6

South Shore – West Hants

The proactive, compliance promotion visits conducted by Region 6 staff throughout the year have helped many businesses. This methodology not only offers staff a chance to help fix a waste problem on the spot, but also allows them to see great work being done by residents. With unannounced visits, the scenarios are real, not staged,

and often staff are more engaged with training and questions; garnering an immediate impact.

Region 7

Digby – Yarmouth

My-Waste App

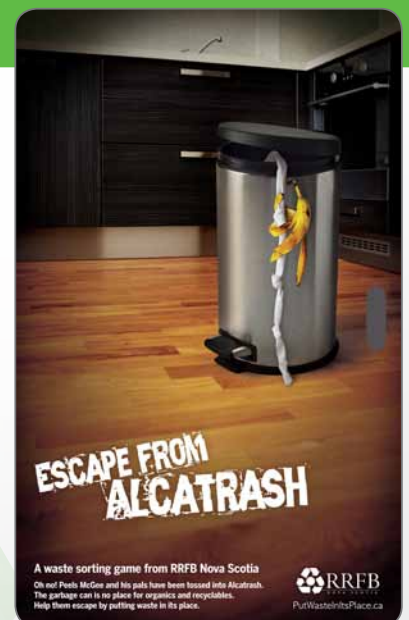
In May 2013, Waste Check launched their My-Waste app. The app offers many convenient options for residents to access information 24-7 such as: a personalized collection schedule for their address, optional reminders for collections and/or events, a collection map, hours of operation for facilities, lists of accepted items, tipping fees for drop off locations, customized recycling/disposal instructions for items, and the ability to report a problem (e.g. broken green cart, illegal dumping site, rejected waste). The development and introduction of this app has been a new experience for Waste Check. As leaders in waste reduction, they are the first region in the province to launch an app!

Waste Check on Eastlink

Waste Check staff appeared on two episodes of the Eastlink program "In Focus." They answered many questions about waste, discussed Waste Check programs, and demonstrated the My-Waste App. They have received several positive comments about their appearances on the shows, which have been rebroadcasted several times.

Sort Right to Help Peels and His Pals Escape ALCATRASH!

RRFB Nova Scotia has a new – and fun! – educational waste sorting game for regional waste educators to use in a group setting. *Escape from Alcatrash* features Peels McGee and his compostable/recyclable pals who have been improperly thrown into the garbage. They are counting on game participants to help them escape! The game includes an audio script, 35 magnetic "mug shot" cards of everyday waste items, and a game board.



2014 Annual Report Online

At RRFB Nova Scotia's 18th annual general meeting in June, the Board of Directors and Chief Executive Officer released the 2014 Annual Report, outlining the board's financial performance and highlighting the success of programs and initiatives undertaken in 2013–2014 to divert waste materials by reducing, reusing, recycling and recovering resources.

2013–2014 Highlights:

- RRFB Nova Scotia's beverage container deposit-refund program obtained an 80% recovery rate, and in August Nova Scotians recycled their 4 billionth beverage container since the program began in 1996. RRFB Nova Scotia also quantified the economic and social benefits of the beverage container deposit-refund system through an Economic Impact Analysis. The independent study showed that the system generates approximately 600 jobs and \$20.1 million in salaries and wages, has a \$28.8 million impact on Nova Scotia's GDP, and plays a significant role in the fundraising efforts of charitable groups and organizations across the province.
- RRFB Nova Scotia approved over \$330,000 for research projects that develop new

products, technologies and market opportunities related to solid waste diversion.

- In May RRFB Nova Scotia hosted a Textiles Recycling Summit in partnership with Nova Scotia Environment. The summit led to the creation of the Association for Textiles Recycling (AFTeR), an industry group dedicated to increasing textiles diversion in Nova Scotia.
- RRFB Nova Scotia's used tire management program obtained a 77% recovery rate. Passenger tires purchased and used in Nova Scotia are processed here in our province, and then re-used in Nova Scotia construction projects. This "made in Nova Scotia" solution produces a multi-purpose and cost-effective product that meets specific engineering requirements and creates processing jobs in Nova Scotia.
- RRFB Nova Scotia allocated \$1.5 million to educate Nova Scotians and build ongoing support for environmental action. In addition to funding municipal/regional waste educators, RRFB Nova Scotia hosted public events in partnership with the solid waste management regions, provided funding to 58 non-profit organizations across Nova Scotia to support community events



The 2014 Annual Report is available online at www.putwasteinitsplace.ca.

and projects, recognized 12 innovative individuals and organizations at the 15th annual Mobius Awards, and awarded more than \$55,000 in cash, prizes and scholarships to students and schools through the 14th annual Nova Scotia Recycles Contest.

- RRFB Nova Scotia provided \$6.7 million to Nova Scotia's 54 municipalities to fund local recycling, composting and other waste diversion programs and initiatives across the province. This brings the total municipal waste diversion funding provided by RRFB Nova Scotia to more than \$124 million since inception in 1996.

Compaction Trailer Pilot Update

In July 2012, RRFB Nova Scotia introduced a new compaction trailer for beverage container collection, and began a two-year pilot project to test the technology and address any challenges. The trailer is the first of its kind that combines a compaction auger on a 53-foot tractor trailer, which allows RRFB Nova Scotia to compact recyclable beverage containers at Enviro-Depots and then transport direct to the end-market processor.

The pilot is currently running in Halifax at 18 high-volume Enviro-Depots and is set to wrap-up at the end of August 2014. The compaction trailer has successfully tested PET and aluminum, it loads approximately

four bags per minute, and takes about 15–30 minutes to load. Under the old system, trailers fit approximately **78 bulk** containers, while the compaction trailer fits over **500 bulk** containers. The pilot has been well received by participating Enviro-Depots and the end market.

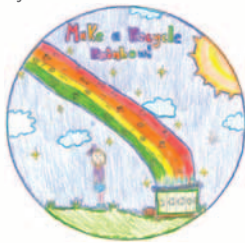
RRFB Nova Scotia has purchased three new compaction trailers and in September 2014 will begin collection at the majority of Enviro-Depots along main highway routes throughout the province.



Demonstrating the compaction trailer to ENVIRO-DEPOT™ owners/operators in Cape Breton

Students Win Big by Putting Waste in its Place

Each year, RRFB Nova Scotia holds the Nova Scotia Recycles Contest for students in grades Primary to 12 throughout the province. Students participate in colouring and design contests, a video challenge and an essay competition for a chance to win more than \$55,000 in cash, prizes and scholarships. The contest provides an opportunity for students to actively promote recycling and composting in their community, and celebrates the important role Nova Scotia youth play in making our province a recognized leader in waste reduction.



This year we received over 6,700 entries from 201 schools, and in April we awarded prizes to 103 students and 21 Grade Primary/1 classes.

Visit www.putwasteinitsplace.ca for contest details and the full list of 2013–2014 winners.



Region 1 Cape Breton winners

Grades 2-3 Sticker Design provincial winner:

Hannah Allen,
Bayview Community School



\$5,000 Scholarship Essay provincial winner:

Elizabeth Schofield,
Hants East Rural High, You Are What You Wear:
Increasing Textile Recycling in Nova Scotia



Grades 4-6 Whiteboard Design provincial winner: Sara Owen,
Carleton Consolidated School

Environmental Handling Fee for Tires Changing September 1

As of September 1, 2014, the environmental handling fee on tires sold in Nova Scotia will be adjusted as follows:

- All Passenger Tires, including motorcycle, camper and trailer tires \$4.50
- Light Truck Tires not exceeding 17 inch rim size \$4.50
- Light Truck Tires exceeding 17 inch rim size \$13.50
- Highway Transport Truck Tires (tractor and trailer) not exceeding 24.5 inch rim size \$13.50

In recent years, the environmental handling fees have not covered the costs of operating the Used Tire Management Program. This fee adjustment will cover the full cost of Nova Scotia's tire recycling program and its related mandates. This is the first adjustment to the fees since the program's inception 18 years ago, and the new fees are consistent with those charged in other jurisdictions.

Did you know...

Used tires were banned from Nova Scotia landfills and incinerators in 1996. Since then, Nova Scotians have been responsibly recycling approximately 1 million used tires each year through the Used Tire Management Program.

In 2009, RRFB Nova Scotia implemented a strategy to recycle used tires into a product called Tire Derived Aggregate (TDA). TDA is a multi-purpose rubber product that has a variety of uses for construction and engineering projects.

TDA provides a "made in Nova Scotia" solution for its used tires. By developing the infrastructure to process TDA, Nova Scotia is manufacturing a cost-effective product that meets specific requirements and creating value-added manufacturing jobs for Nova Scotians.

Fiscal 2013–2014

Beverage Container Deposit-Refund Program

- Containers on which deposits were received: 405 million (405 million in 2013)
- Redemptions: 326 million containers (321 million in 2013)
- Recovery rate: 80.5% (79.6% in 2013)
- Unit remittances down -0.1% from prior year
- Revenue up 1.8% over prior year

Used Tire Management Program

- Passenger Tire Equivalents collected: 1.07 million (1.10 million in 2013)
- Passenger Tire Equivalents recovery rate: 77.3% (88.6% in 2013)
- Passenger Tire Equivalents remittances up 9.6% over prior year
- Revenue down -2.2% (large decrease in unearned revenue in prior year)

Municipal Programs (most recent: 2012–2013)

- 111,081 tonnes of organic waste diverted
- 62,451 tonnes of recyclable material diverted
- 109,947 tonnes of construction and demolition waste diverted

RRFB Nova Scotia Funding

- \$6.7 million to Nova Scotia's 54 municipalities for diversion credits and funding for local recycling, composting and other programs
- \$1.5 million (includes allocation to regions) to educate Nova Scotians and build ongoing support for environmental action
- Approved \$331,702 for new research projects that support entrepreneurs and encourage innovation in waste reduction

We are Moving

This fall, RRFB Nova Scotia will be moving its head office to: Suite 400, 35 Commercial Street, Truro, NS B2N 3H9

The tentative move date is October 1, 2014.

About RRFB Nova Scotia

RRFB Nova Scotia (Resource Recovery Fund Board Inc.) is a not-for-profit corporation working in partnership with Nova Scotians to improve the province's environment, economy and quality of life by reducing, reusing, recycling and recovering resources. RRFB Nova Scotia manages a network of independently owned Enviro-Depots in 80 locations throughout the province, and works in partnership with Nova Scotia Environment, the 54 municipalities across the province, industry and academia. Recognized globally as an innovator in waste diversion solutions and a leader in Nova Scotia's waste diversion efforts, RRFB Nova Scotia delivers education and awareness programs, partners with municipalities and industry to develop and implement stewardship agreements, and promotes innovation through the development of value-added manufacturing.

Questions or comments about this publication, please contact RRFB Nova Scotia at 902-897-3253.

For more information:

www.PutWasteInItsPlace.ca



www.facebook.com/PutWasteInItsPlace



@RRFBNovaScotia



Eureka! \$100,000 in Student Research Grants.

Got an idea to keep waste out of Nova Scotia's landfills? Apply for a Student Research Grant.

RRFB Nova Scotia will award up to \$17,000 in funding for innovative waste diversion proposals that show potential for commercial benefit. Make a real impact on the environment while completing your degree.

For more information on our Student Research Grants Program, visit PutWasteInItsPlace.ca

Application deadlines: February 28, May 31, August 31, and November 30.

PUT WASTE IN ITS PLACE

