



Enactus uOttawa - Annual Report 2022-2023

What is the Power of Community & Entrepreneurship?

95
Members

+9,000
Volunteer Hours

\$18,000
Revenue Generated
Poly

\$20,000
Revenue Generated
Nibi





Turning Plastic Into Possibilities

Poly is an incorporated business owned by Alexander Parsan and Saamiya Ali and operated by the Enactus uOttawa team.

The Need

400 million tons of plastic was produced globally in 2021.

Only **9%** of global plastic gets recycled.



The Solution

Poly is a social enterprise that manufactures, sells, and operates small-scale plastic recycling systems. We make recycling...

- Accessible
- Environmentally Impactful
- Economically Viable

The Innovation

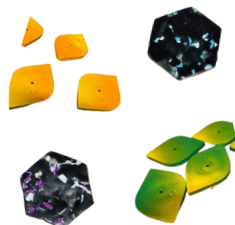
We scale down large recycling systems to fit into a workshop, school, or community centre.



Plastic Shredder



Injection Moulder



Our system can recycle...



A system can divert up to **280,000** water bottles per year

Saving...

33,000 lbs of CO2
11,000 lbs of Oil
+ 460,000 Litres of Water

The 2022-2023 Growth

Telfer School of Management
uOttawa, Ottawa ON

Art installation made from local-sourced plastic for the building's lobby **In-Progress*

Marco
Entrepreneur, Kingston ON

Interchangeable mould design for his product design business

Andy
MEA Health, Brantford ON

Leasing a Poly system to turn medical plastic waste into backsplash tiles

George Street Middle School
Fredericton NB

Sold a Poly Shredder for school recycling and educational programs

The Business Model

Target Audience **Entrepreneurs | Schools | Community Organizations**

Poly Revenue Streams

Selling Systems **\$28,000 at 25% Gross Margin**

Leasing Systems **\$1,600/month**

Interchangeable Moulds **\$1,000/mould**

Manufacturing Client Products **Custom Pricing**

Operator Income

Operating a system at 25 hrs / week

= \$10,000* in profit via B2B and B2C Channels

**calculated based on an operator selling custom coasters and keychains*

The 2022-2023 Impact

+550 Youth directly impacted



\$18,000 Revenue generated

Diverted over **6,000** water bottles worth of plastic

Saving...

800 lbs of CO2

270 lbs of Oil

+11,000 L of Water



Empowering Indigenous Communities with Tailored Solutions by Facilitating Access to Safe and Clean Drinking Water

The Need

+150 long-term drinking water advisories issued in Indigenous communities across Canada, resulting in the use of thousands of plastic water bottles annually.

+2,000,000 people in Indigenous communities are without reliable access to clean water.

Uniform solutions across communities are impossible.

The Innovation

1. Identify Indigenous communities currently under drinking water advisories or at risk for recontamination.

3. Collaborate with engineering partners to design a community-tailored solution.

One Community (est pop: 5,000) with proper water infrastructure

2. Facilitate water quality testing and identify contaminants through our certified laboratory partners.

4. Work with key community leaders for filtration infrastructure installment.

= 600,000,000 L of clean water access per year

The Business Model

Nibi Revenue Streams

Community-Tailored Filtration Systems Starting at \$5,000

If communities cannot afford the systems, we provide funding through...

Paid workshops + community activities:

\$100 - \$375 per workshop

Other:

Funding Sources & Grants

The Solution



Nibi is a social enterprise facilitating access to safe and clean drinking water through water testing, purification solutions, and educational workshops.



We believe **EVERYONE** should have access to clean water.

The 2022-2023 Growth

First Nations Community: Kitigan Zibi Anishinabeg

Problem Uranium-contaminated water supply for +20 years

Proposed Solution Multi-layered water filtration systems in 22 homes

- Progress**
- ✓ Conducted water testing
 - ✓ Secured funding
 - **Confirm leadership approval**
 - **Finalize custom solution**

Estimated Installation Date **August 2023**

The 2022-2023 Impact

+700 Youth directly impacted   **\$20,000** Revenue generated

With the water infrastructure, Kitigan Zibi Anishinabeg can...

ACCESS ~10.5 million L of clean water per year

ELIMINATE 300,000 plastic water bottles per year

Saving...

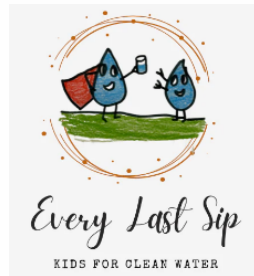
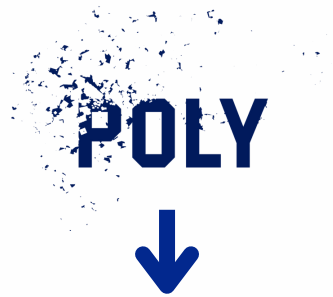
6,000 lbs of Plastic
36,000 lbs of CO2
12,000 lbs of Oil
498,000 Litres of Water

What is the Power of **Community** & **Entrepreneurship**?

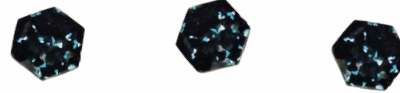
Through our entrepreneurial, environmental, and STEM youth workshops, students at **St. George Elementary School in Ottawa, Ontario**, created **Every Last Sip**, a **social enterprise** that sells coasters made from 100% recycled plastic **manufactured by Poly**.

With *Every Last Sip*, the students have **partnered with Nibi** to **fund water infrastructure for Amos Comenius Memorial School in Hopedale, Labrador**.

Nibi is currently facilitating all the logistical requirements with respective partners to implement a water infrastructure solution.



Collect and sort local plastic
Manufacturing custom coasters



St. George Elementary School
Every Last Sip

Goal: Students generate revenue by selling 100% recycled plastic coasters to build water infrastructure for **Amos Comenius Memorial School in Hopedale, Labrador**

Revenue Generated: \$9,000

- ✓ Conducted water testing
- ✓ Secured funding
- ✓ Confirmed leadership approval
- 🔄 **Finalize custom solution**



Amos Comenius Memorial School
Hopedale, Labrador

Estimated
Installation Date
June 20th, 2023

Once the water infrastructure is installed, residents can...

ACCESS **795,000** litres of clean water annually

ELIMINATE production of **4,000** lbs of plastic annually

\$275,000 minimum of water delivery costs annually

SAVING **24,000** lbs of CO2

8,000 lbs of Oil

332,000 Litres of Water

This is just the beginning...

5 other schools have also started their own social ventures to support Nibi's clean water projects across Canada

The power of the community & entrepreneurship happens when students, partners, and organizations come together to create a **GREEN**, **SUSTAINABLE**, and **EQUITABLE** future.