



ANNUAL REPORT 2024

Growing Our Impact



Growing Our Impact!

2024 was a year of strengthening our roots to expand the delivery of impactful educational experiences. As a Board, we focused on building a strong foundation to support the organization's ability to inspire educators, engage youth, and create change.

We formed an advisory council of past Board members and welcomed new voices, renewing our commitment to equity, diversity, and regional representation across Canada.

Working closely with the Executive Director and staff, we're ensuring GreenLearning remains resilient, inclusive, and science-based in equipping students to tackle real-world challenges. From Climate Policy Quest to eCards and Schoolyard Greening, our programs empower student-led climate leadership and resilience.

On behalf of the GreenLearning Board and Executive Director, thank you to our team, partners, and supporters. Together, we're inspiring the next generation of climate leaders through education that is hands-on, hopeful, and transformative.



Jeff Reading
Chair, Board of Directors



Kathy Worobec
Executive Director

Overview of the Organization

GreenLearning creates free education programs about energy, climate change and green economy that engage and empower students to create positive change for our evolving world. Our programs include both hands-on and critical thinking activities to equip teachers with the educational tools they need to help students understand complex environmental issues.

Mission: To develop innovative teaching tools and rich educational experiences that empower youth to effect positive social, economic and environmental change in their own lives, schools and communities.

Vision: A generation of youth who are informed and inspired to actively create a sustainable and just world.



Our Philosophy



Create Change

Students identify and research issues that matter to them, and then create solutions. By building connections with experts and the community, they put their solutions into practice, and measure their resulting impact.



Inspire Educators

We have designed our materials to meet a broad range of curriculum expectations using an inquiry driven approach and an emphasis on leveraging technologies to meet learning outcomes.



Engage Youth

Our model focuses on building global competencies that are essential for youth to successfully navigate the evolving demands of life, work and learning in a world that is shrinking as the need for local actions grows.

IN 2024...

OUR

9

STAFF

GREW OUR NETWORK TO

62,358

EDUCATORS



DELIVERED 35
SESSIONS AND ATTENDED 4
EVENTS

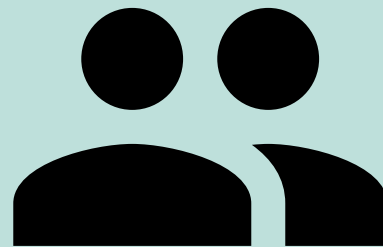
- TRAINED 4,459 EDUCATORS
- ENGAGED 12,604 STUDENTS



ATTRACTED

74,447

WEBSITE VIEWS



WORKED WITH

19

COLLABORATORS

2024 Program Highlights



Energy Revealed *Making Energy Visible*

- Over 10,000 users of our [electric energy calculators](#)



Re- Energy *Become renewable energy engineers*

- Most popular activity - [Build a Wind Turbine](#)



Flood:Ed *Extreme Weather & Resilience*

- New [Schoolyard Greening Simulator](#)



Eco 360 *Creating Circular Economies*

- Most popular activities - [What is a Circular Economy](#) and [What are Plastics](#)



Climate Policy Quest *Collective action through policy*

- Most popular activity - [What Role Can Canada Play in Global Climate Action](#)

2024 Program Highlights



Electrifying The Future *Charging Ahead*

- Continued hands-on learning with **high school students converting gas vehicles to electric**
- [Two vehicles](#) with Calgary Board of Education (CBE) high school - VW Beetle & Ford Ranger
- Showcased the VW Beetle at:
 - The CTC Industry Night for educators, parents and students with CBE
- [New conversion project](#) with Peel District School Board in ON - Mazda Miata
 - Teacher at The Woodlands Secondary School received high voltage training
 - Students started prepping vehicle for the conversion
- Engaged 63 educators and 410 students in EV learning



eCards

*Empowering youth voice with
creativity & advocacy*

- New backgrounders Plastic Recycling, Thawing Tundra, Wildfires
- Program in both French & English
- [Check out youth eCards](#) from the United Nations Climate Change Conference COP 29 and the UN's Biodiversity Conference COP 16.
- Ripples of Change contest with Take Me outside week. Teachers from across Canada shared their student's nature mandalas - over 150 mandalas were shared and showcased on our [eCard gallery](#).



Annual Eco-Challenges

To help students turn learning into action, GreenLearning hosts STEM-based environmental challenges for most of our programs. We have been offering these annual eco-challenges for two decades. The eco-challenges help students lead activities in their school and community.

Energy Revealed



Students created 11 activities for their peers during a lights out event



"Participating in the lights out event helped us better understand energy use and conservation by doing activities without using electricity, making presentations and researching ways to conserve energy. Energy management is important because it prevents climate change." - **Student Participant**

Eco 360



Students created 11 innovative technologies
550,010 kg of potential waste diverted



"We started to understand the idea of a circular economy where we rethought the starting point and the endpoint we would experience with linear plans. Brought us to the idea of regifting, recycling and reusing." - **Student Participant**

The Challenges

Flood:ED



84,500 expected litres
of water absorbed



"Last year a small group of students created a club called the Flood Fighters, and we tackled the flooding issue in our Kindergarten area. Our design of a french drain was actually put into place over the summer! It was so satisfying to see our idea come to life." - **Flood:ED Teacher**

Re-Energy



43 renewable energy
models built



"We struggle to have enough resources for high-quality science experiments. Students were so excited that parents bought DC motors... I've never seen such engagement before!" - **Re-Energy Teacher**

The Challenges

Net-Zero Community Design Challenge

32 net-zero community designs created in collaboration with STEAM PEI for grade 6 students



"Net-zero emissions means that for every amount of CO₂ we send into the atmosphere, we reabsorb the same amount. This is really important because if we just keep sending and sending, there will be too much, so it's harder to be removed. If we start now, we'll have a better chance of saving the planet than if we waited 5 years." - **Student Participant**

Challenge Impacts

316 students participated



1 Lights-out event



43 Renewable energy models built



1 Flood plan implemented absorbing 84,500 litres of water



32 Net-zero community designs created



11 Innovative designs with the potential to divert 550,010 kilograms of plastic waste

17,231 people reached through student sharing

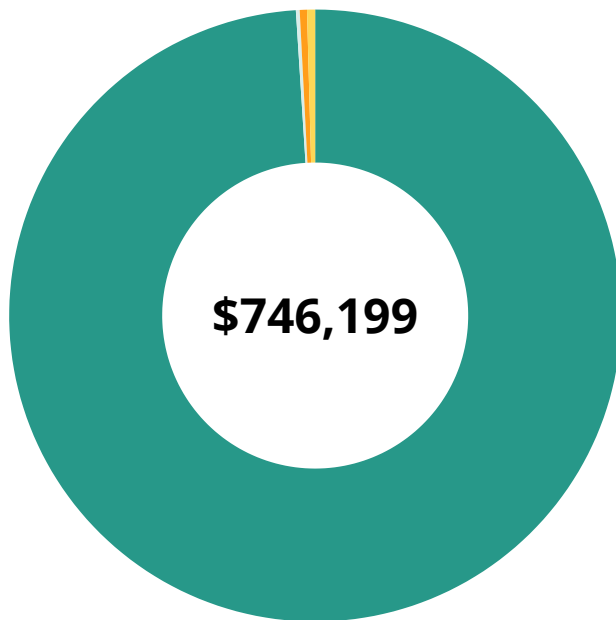


From the Social Sphere!

Tag us in your conversations! @GreenLearning

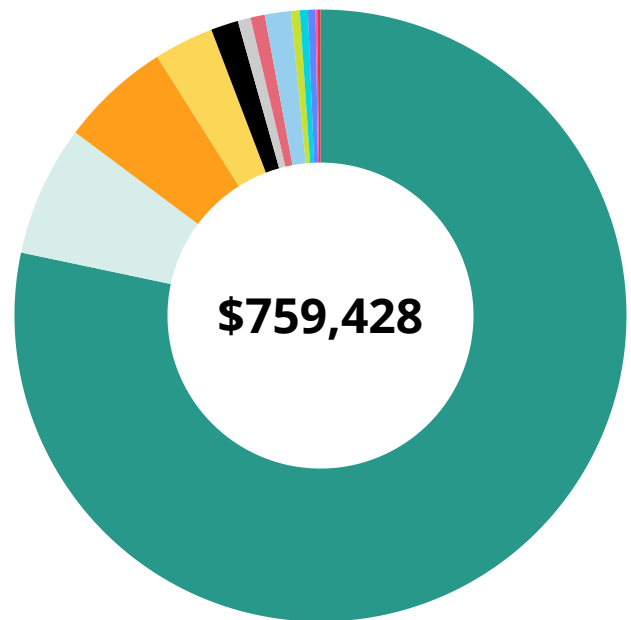


Financials



Revenue

- Grants
- Honorarium
- Individual donations
- Interest income



Expenses

- Wages and wage costs
- Project materials & supplies
- Contractor services
- Office
- Professional fees
- Amortization
- Computer support
- Travel
- Training
- Unrecoverable GST
- Insurance
- Advertising
- Interest and bank charges
- Board expense

Supporters and Collaborators

Challenge Judges

- Alysha Wenghofer
- Danielle Quenneville
- Gautam Taneja
- Julie Langlois
- Ray Burrage-Goodwin
- Sari Ohsada
- Seema Gupta
- Zoe Miller

Workshop Hosts

- BC Science Teachers' Association
- Career & Technology Education Conference
- Calgary Board of Education
- Calgary Mayor's Expo
- Canadian Network for Environmental Education and Communication (EECOM)
- Centre for Global Education
- Dufferin-Peel Catholic District School Board
- Indigenous Clean Energy
- Inside Education
- Learning for a Sustainable Future
- Ocean School
- Ocean Wise
- Ottawa-Carleton District School Board
- Outdoor Learning School & Store
- Peel District School Board
- STEAM PEI
- Take Me Outside
- Ten Peaks Innovation Conference
- Toronto District School Board

Funding Partners

- Clean Foundation - Science Horizons funded by Environment & Climate Change Canada
- Definity Insurance
- Direct Energy Marketing Limited
- Dow Chemical Canada
- Environment & Climate Change Canada through our partnership with Ocean Wise
- Government of Canada, Canada Summer Jobs
- Government of Canada, Natural Resources Canada
- Government of Prince Edward Island's Climate Challenge Fund
- RBC Foundation
- Suncor Energy Foundation
- The Actions Matter Giving Fund
- TD Friends of the Environment
- Trottier Family Foundation
- United Nations Association of Canada - Building Young Entrepreneurs, Green Jobs of the Future



Thank You!



Foundation



SUNCOR
ENERGY
FOUNDATION



TD Friends of the
Environment Foundation



United Nations Association in Canada
Association canadienne pour les Nations Unies



OUTDOOR LEARNING
SCHOOL & STORE





Donate to Support Environmental Education!

As a registered charity, GreenLearning relies on the generosity of donors and sponsors to expand our reach to educators and students across Canada. In the face of the ongoing global climate crisis, increased levels of eco-anxiety and an evolving workforce, supporting youth in their journey towards sustainability is more crucial than ever.

If you're passionate about equipping the next generation with the critical thinking skills needed for a rapidly changing world, we invite you to contribute and help us make a lasting impact.



Help us support youth climate action. Donate today!
<https://greenlearning.ca/donate>

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