



Annual Report
2018

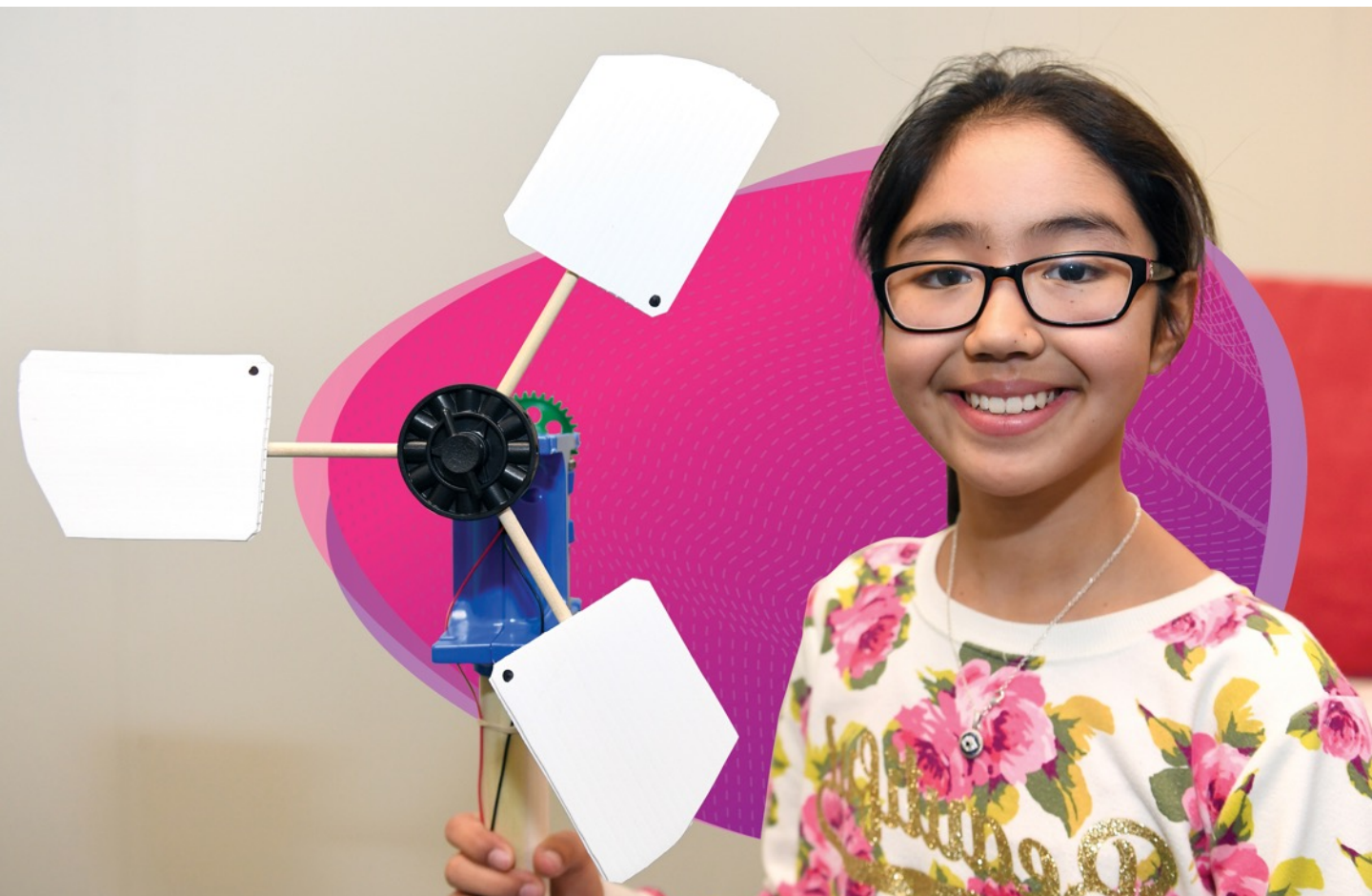
Energy for all

Our vision is for every person to live in

a healthy, prosperous planet led by informed citizens and powered by renewable energy sources.

We're making our vision a reality by delivering on our mission to

educate, inspire and assist individuals and communities in building a 100% renewable energy future.



Bringing energy to life as Relay Education



In August 2017, we began the process of creating a new name and identity for the charity. Our programming has grown tremendously since launching the charity as 'TREC Education' in 2011. The time was right for us to discover and develop a new look, which would carry us into the next phase of our work across Canada. We launched the new brand on February 21, 2018 with 150 students at a Toronto school. We are ecstatic as we envision what the future holds for Relay Education.

The meanings and characteristics of Relay



An electrical component



An activation
& de-activation



An exchange



Handing over the baton,
generational change



A transition



Sharing information,
teaching & storytelling



What a year

15,300+

youth workshop participants*

34,800+

face to face learning hours

590+

in-person workshops

Relay reached over 14,000 individual children and adults through in-person engagement in 2017-2018. Our programs are creating systemic change for a greener future and fostering the next generation of renewable energy leaders.

Our annual report shares our work for the time period between July 1, 2017 to June 30, 2018.

*The total number of participants is higher than individual youth, as some students participate in multiple workshops with us. 3,114 of the 12,253 youth experienced more than one workshop..



Youth Programs

Relay's two primary youth programs are Green Collar Careers and Kids' World of Energy. Green Collar Careers focuses on engaging youth, ages 15-29, in secondary schools, career centres and Indigenous communities. Kids' World of Energy encapsulates all elementary programs, including our classroom workshops and annual children's education festival held in Toronto.



"The kids were really excited. They were very eager to test things out and to start building. I thought the program was well designed, so that one student could discover an idea and apply that idea to the next task. Other providers are not as good at getting to the depth of knowledge Relays covers."

– Grace Miao, Elementary Teacher in Calgary, AB


STEM Exploration & Influence

Relay's programs increase understanding of the connection between STEM (Science, Technology, Engineering and Mathematics) subjects, energy and the environment. Students feel more comfortable participating in the science and math components of Relay's workshops due to the time dedicated to hands-on exploration and team activities. The workshops help connect, encourage and challenge children, building important life skills and confidence in their learning capabilities.

These experiences can lead to an increased likelihood of students enrolling in post-secondary education in STEM fields. By nurturing this lifelong engagement, the programs contribute to a sustainable energy future and greener Canadian economy.

Meet Karman, a Relay STEM Kid

Karman is a Grade 4 student at George Webster Elementary in Scarborough, Ontario. Her class participated in Relay's Wind Design Challenge, which is part of our in-depth engineering and building program known as the Renewable Energy Design Challenge. Karman worked with her classmates to design and build a working wind turbine.



"The best thing about renewable energy is that you don't run out of it, and that it doesn't give out much greenhouse gases."
- Karman, 9 years old

Kids' World of Energy

Our flagship youth program, Kids' World of Energy, taught 8092 elementary children about the science and technology of energy. The workshops engaged students in STEM (Science, Technology, Engineering and Mathematics) topics, in both English and French, through hands-on activities and student-led discovery.

Region	Number of Children
Ontario	7183
Alberta	909

11th annual Kids' World of Energy Festival

After 11 years, the Festival remains a highlight on Ontario's school calendar. From Saturday April 28, 2018 to Thursday May 3, 2018, the Relay staff, volunteers, and partner organizations delivered full day workshops and activities to over 2,300 children and adults.

Number of Students	1,598
Number of Participants on Public Day	600
Number of Teachers/Parents	120
Number of Volunteers	163
Number of Workshops and Activities	28

**"ALL the workshops were fantastic! It was great to learn about such a variety of things related to conservation."
- Gr. 5 Toronto Teacher**



Green Collar Careers

The Green Collars Career program connects youth, ages 15-29, with career focused skills development, through hands-on workshops and continued learning opportunities. Relay believes every student's personal interests can align with a career that supports a healthy planet.

Relay provided 2568 youth with career exploration opportunities this year.

In 2018, we delivered 110 workshops across Canada. Relay hired a Green Careers Officer to build on the success of the program and to reach a wider audience.

Region	Number of Youth
Ontario	1504
Alberta	515
Nova Scotia	191
Saskatchewan	193
British Columbia	165



"Walking around the class, seeing all the jobs, it's like "Oh, wow!" there's a lot to choose from. I can see myself working in at least one of these jobs."

– Jeremy, 15 years old
from Ottawa



Matawa First Nations

Community Spotlight

In March 2018, we traveled to three remote communities in Northern Ontario. Relay delivered solar workshops to 75 elementary students in Eabametoong First Nation, Neskantaga First Nation and Nibinamik First Nation. These First Nations are part of the Matawa First Nations. This project is part of a long-term commitment to continuing to deliver energy literacy programs with Matawa First Nation Management into 2019.

Indigenous collaboration

Relay Education works with First Nations and Métis communities to co-develop education and skills building programs. Relay works collaboratively with individual communities to build people's interests and abilities to participate in renewable energy.

Relay delivered 76 workshops to 1106 youth from schools serving Indigenous communities.

Photo of the sunset in Neskantaga First Nation in Northern Ontario.





A note from Wes

"How was your day?" It's a common question we all ask kids. No matter the child, the answers are usually similar. The number one answer, unanimously, seems to be, "Good." The second most common answer? - no response at all.

However, there is a third answer. I love when I get answer number three at my house. The details will differ, but the enthusiasm that accompanies it is always high and contagious: "There was a jo-olo-jist (geologist) in class and we learned about rocks. I made a rock!" ...or..."We raced solar cars in the hallway with a lady!...Charlie won some of the races, but not at lunch. We didn't do it at lunch....I finished all my lunch."

Teachers are amazing. I know so many who bring enthusiasm and energy day in day out. But when there's a slight twist to the school day, when there's a new face at the front of the class, when there's a new thing they can hold, use, build, explore - the eyes widen, and the minds light up. These moments of learning can be transformational and memorable.

At the close of a year of unprecedented growth for Relay Education, we are extremely proud to know our program facilitators are bringing new experiences, from building solar cars to testing wind turbines and trying biogas experiments, into classrooms across the country.

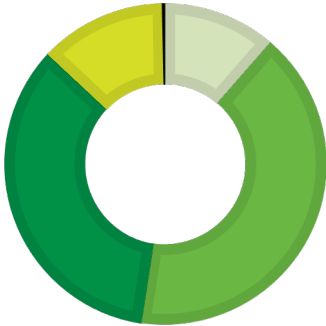
I know the excitement about rocks was palpable in our home for days. Just like I know the interest and conversations about energy conservation, solar, wind and biogas energy now buzz in homes across Canada.



Let's run the numbers

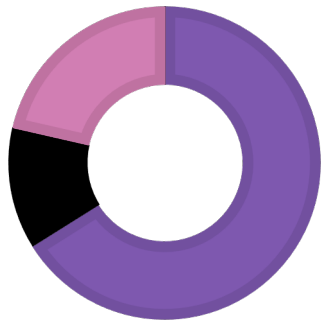
July 1, 2017 to June 30, 2018

2018 Revenue



41%	Government, Foundation and Corporate Grants	\$265,214
11%	Donations	\$73,157
35%	Sponsorships and Events	\$223,056
13%	Fee-for-Service (Programming)	\$82,246
0%	Other Income	\$1613
Total		\$645,285

2018 Expenses



66%	Programs	\$435,453
21%	Management and Admin	\$141,160
13%	Fundraising	\$82,516
Total		\$659,129

Year End

Assets 2018	\$355,997
Liabilities 2018	\$224,769

Funders 2017-2018

Accenture
Alberta Ecotrust
Audrey S. Hellyer Charitable Foundation
Boralex
Chawkers Foundation
CIBC
City of Toronto
EDF EN Canada Development Inc
Engie
Enmax Corporation
General Motors Canada
Government of Alberta
Government of Ontario
Grant Thornton LLP
Grasshopper Solar
Hydro Ottawa
Independent Electricity Systems Operator
LUSH Cosmetics

M.H. Brigham Foundation
Natural Sciences and Engineering
Research Council (NSERC)
Next Generation Energy Alternatives
Northland Power
Portlands Energy Centre
Potentia
RBC Foundation
Scotiabank
Solar Flow-Thru Funds
Spark Power
Steinman and Goudy Foundation
TD Bank
TELUS Corporation
Toronto Hydro
UGE International
Visions of Science
Whole Foods Market

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