

# 2024 ENERGY & CLIMATE EDUCATION YEAR IN REVIEW



As a leader in energy and climate education, Inside Education's innovative programs reached over 10,000 students and over 500 classrooms in over 100 communities across Alberta. As we embark on our 40th year, we are proud to share with you the impact our programs have on communities, schools, teachers and most importantly students.

Throughout this report, you will find the direct impact your support of high-quality, hands-on energy and climate education has had on students and teachers.





## Why Inside Education?

- ✓ 40 Years of Experience
- ✓ Extensive Network of Teachers
- ✓ Strong Foundation of Diverse Program Support
- ✓ Focused on Innovative Topics that are Shaping the Future of Energy
- ✓ Opportunities to get Involved First-Hand as Speakers and Tour Hosts

***Inside Education Supports Teachers and Inspires Students to Become Informed, Critical Thinkers Who Play a Positive and Crucial Role in Our Energy Future.***

### We Are A Reliable and Trusted Source of Environmental & Natural Resource Education

- Incorporating subject matter experts with diverse backgrounds and perspectives
- Employing educated and professional programming staff
- Conducting teacher needs assessments to ensure our programs are relevant and curriculum-connected
- Providing classroom-ready programs and resources for a variety of grades and topics
- Working with a diverse board of directors and advisory committees

### We Empower Youth to Engage in the Future of Energy

- Developing leadership skills through student-led, school-based energy education projects
- Exposing students to career opportunities and pathways
- Showcase current innovations and technologies that are shaping the energy sector
- Depolarize the conversation around climate and energy topics by developing critical thinking skills by examining topics from multiple perspectives

### Create Memorable Experiences and Ah-Ha Moments

- Providing once-in-a-lifetime, experiential learning opportunities for students, such as touring an oil sands facility, standing under a wind turbine, or building a hydrogen-fueled model car

“ I thought I had a good understanding of the energy innovations, but I realized that there was so much more to learn. I was impressed by the efforts the energy sector is making in transforming their operations with realistic timelines and reaching their goals. ”

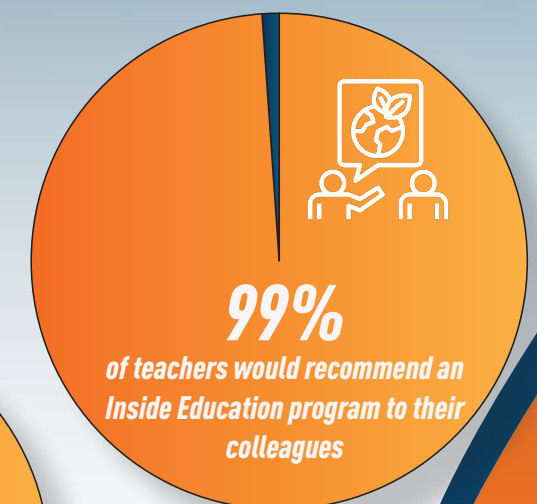
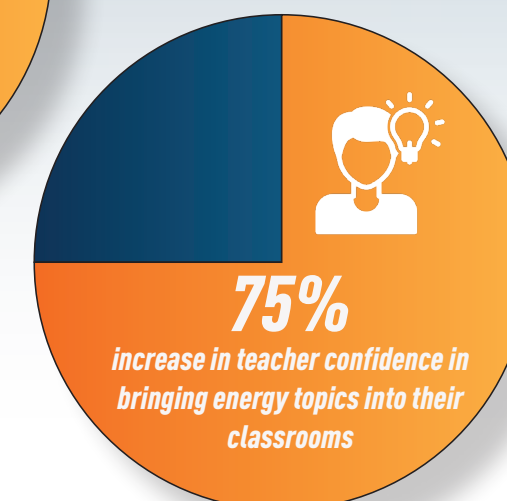
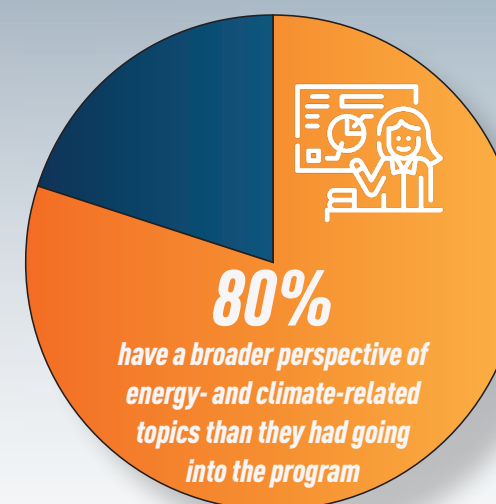
- Louise, Teacher -  
Nova Scotia

## INSIDE EDUCATION IN THE MEDIA

Mark Connolly from CBC News visited with Jasper Place High School teacher Ian Doktor and his enviro club to check out their A+ for Energy grant project in action



## Energy Education Program Impact





# OUR 2024 PROGRAM HIGHLIGHTS

Applications for Energy Innovation Days increased by 42% this school year, indicating a growing interest in the program.

## WOMEN IN OUTDOOR CAREERS

Inside Education hosted over 130 female and non-binary students in Calgary and Grande Prairie for our second successful year of the Women in Outdoor Careers programs, a series of special events designed to connect students with professionals in a variety of environmental and natural resource sectors, including agriculture, forestry, reclamation and monitoring, conservation, and stewardship.



“I learned a lot about the jobs and that they are available around my hometown area. It was a great experience, and I am very glad we went to it.”

- Quinn, Student -  
Hillcrest Christian School,  
Grande Prairie

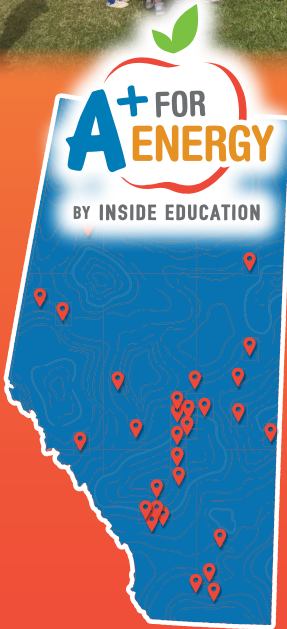
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## 2023 ENERGY FUTURES SUMMER INSTITUTE



25 teachers from eight provinces across Canada joined Inside Education for an immersive five-day traveling professional development program exploring Northern Alberta's energy development.

The program gave teachers an in-depth look into the future of energy innovations and technologies while providing ideas to support teachers in integrating energy education into their classrooms!



## 30 GRANTS AWARDED

Going into its 19th year, the award-winning A+ for Energy program has provided nearly 5 million dollars in funding to support energy education in schools! In 2024, Inside Education received the most A+ for Energy applications to date and supported 30 energy education projects in 25 communities.

## NEW ENERGY EDUCATION RESOURCE FOR CLASSROOMS



Our Energy Innovation Poster showcases the science, technology, stewardship, innovation, and careers related to energy.

The poster is designed to elevate energy education in the classroom and provide students with critical thinking opportunities.

## HOSTED 12 ENERGY INNOVATION DAYS

In the 2023-2024 school year, Inside Education's Energy Innovation Days program gave 646 Alberta junior and senior high school students the opportunity to see energy innovations in their communities first hand and learn about topics such as clean fuels, renewable energy, energy efficiency and careers in the energy sector.



“The Energy Innovation Day program makes the theory and bookish learning come to life. It also counterbalances the negative rhetoric about climate and energy. Students see that real work is happening at research and industrial scale. Youth walk away with a positive outlook for their future and multiple career ideas at the end of the program.”

- Deepali, Teacher - Headway School,  
Edmonton

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## REGENER8 SPECIAL GUEST

Hon. Todd Loewen, Minister of Alberta Forestry & Parks, delivered an inspiring speech 120 students and teachers during our 13th Youth Environmental Leadership Summit.



## NEW EDUCATOR IN GRANDE PRAIRIE

Hired a full-time Educator in Grande Prairie to meet the demand in Northwestern Alberta and Northeastern British Columbia.



# What's Coming Up for Inside Education

Given the importance of energy education in our rapidly changing energy landscape, Inside Education remains committed to providing high-quality, hands-on, experiential learning opportunities for students and teachers across Canada.



**gener8** | *Energy & Climate Youth Leadership Summit*

March 13-16, 2025 | Calgary, Alberta

Inside Education's 14th annual youth education summit will invite 80 high school students and 40 teachers from across Canada, together with energy and climate energy experts from academia, industry, government, and non-profits, to gain a better understanding while exploring the innovations and technologies of our energy and climate landscape.

## Energy and Climate Innovation Days Across Alberta

Inside Education is hosting eight Energy and Climate Innovation Days across Alberta to give junior high students a first-hand experience of hearing from experts in their communities, participating in tours, and considering their role in shaping Alberta's energy and climate future.

- Grande Prairie - November 13, 2024
- Fort St. John, November 15, 2024
- Lloydminster - February 6, 2025
- Rocky Mountain House - May 15, 2025
- Fort McMurray - June 5, 2025
- Calgary - June 11, 2025

## Climate Prepared Schools Classroom Program Project with the City of Edmonton

In collaboration with the City of Edmonton, Inside Education has created a new K-12 classroom program based on the City of Edmonton's Neighbouring for Climate program. It is tailored to educate students on the positive impact they can have on climate change, mitigation, and adaptation while also having fun and learning some fun tips and tricks to take home to their families.



## Biodiversity in the Boreal Teacher Professional Development

July 2025 | Northern Alberta

This five-day traveling program will focus on boreal species and their habitats. We will have the opportunity to meet with wildlife specialists, tour habitat restoration projects, discuss species at risk and explore best practices in wildlife management as they relate to energy development in the boreal.

## Energy Education Classroom Programs

With the implementation of a new elementary program of studies in Alberta, Inside Education has seen a dramatic increase in demand for energy and climate energy education-based classroom programs across the province. Our hands-on energy expos have students experimenting with wind turbines, playing the energy moves board game, calculating energy use in the classroom and more. We expect to deliver over 300 classroom energy programs this school year!



## A+ for Energy Grant and Teacher Professional Development

After receiving nearly double the applications for an energy grant this year, we are excited to bring the A+ Energy program to schools for the 2025-2026 school year! We will award a minimum of 20 grants of up to \$5,000 for schools to implement unique curriculum-enriching energy projects that will benefit thousands of students. Schools will receive support from Inside Education throughout the implementation of their project. All participating teachers are invited to attend a teacher workshop in August 2025.





# OUR PARTNERS

Inside Education's partnerships ensure that the experiential educational opportunities we are known for and have provided for the last 40 years continue at no cost and are accessible to all teachers and students.

We thank the following organizations for their support, not only through financial contributions but also by welcoming us on tours, sending expert speakers to our programs, and joining us in the field.

Thank you for your commitment to supporting high-quality energy education.



***For more information contact:***

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