

GENERATE 2019

YOUTH ENERGY & CLIMATE LEADERSHIP SUMMIT

MARCH 14 - 17, 2019 | CANMORE, ALBERTA



SUMMARY REPORT

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“**Generate 2019** surpassed expectations for us and our students.”

I felt that the information provided was invaluable. Thank you Inside Education because of you I have less anxiety about polarized perspectives regarding energy. I also have a heck of a lot more faith in the **future**. Thank you!”

- Allison Knodel | Teacher
Medicine Hat High School, Medicine Hat

PROGRAM GOALS

ENGAGING HIGH SCHOOL STUDENTS

Providing opportunities for students to interact with topic experts, peers and teachers at a professional summit designed for multiple learning styles.

CRITICAL THINKING

Exploring program themes through multiple perspectives while providing delegates tools to develop understanding, evaluate information and form their own viewpoint.

EXPERIENTIAL LEARNING

Encouraging students to step outside of their comfort zone and ask the hard questions to industry experts, academics, environmental leaders, peers and themselves.

INSPIRING STUDENTS

Preparing students to apply the knowledge gained and ideas inspired at the summit to their own energy and climate action project.

SUMMIT THEMES

Climate Change | Energy Efficiency and Conservation
Energy Futures - Innovation and Careers | Renewable and Alternative Energy
Energy from Fossil Fuels

INSIDE EDUCATION IS PROUD TO SHARE THE STORIES AND OUTCOMES FROM GENERATE 2019.

The **Generate 2019: Youth Energy and Climate Leadership Summit** was an inspiring, energizing and dynamic opportunity to bring together 21 high schools from across Alberta and British Columbia to learn about the science, issues, technology, and careers related to energy and climate change. By providing the experience to engage and learn, the goal of the summit was to inspire ideas, discussion, and action in young environmental leaders.

The Generate 2019 experience provided students with the tools required to become leaders in environmental stewardship while examining their role in shaping a sustainable future. Inside Education works closely with the schools from the time of their initial acceptance in January through to the completion of their school-based energy leadership projects in June.

The success of Generate 2019, Inside Education's ninth youth summit, exemplifies why youth summits have become a cornerstone of our programming. These experiential learning opportunities demonstrate Inside Education's vision of supporting the next generation of stewards of the environment and its natural resources.

Based on the outcomes of Generate 2019, it is evident that Alberta has a bright future of young environmental leaders who are ready to take on big challenges, innovate with creative solutions and seize opportunities to shape our energy future.

*“I learned so much, and am leaving here feeling inspired, excited, and ready to make my voice heard and make a **difference.**”*

- Makenna | Student
École McTavish High School, Fort McMurray

THE PROGRAM

Over the course of four days, participants were exposed to multiple perspectives related to energy and climate change. Building on what they learned at the summit, each team left equipped with the skills, knowledge, and support to lead an energy and climate action project designed to make a positive impact in their schools and communities.

The exploration of key topics and themes allowed for valuable conversations and critical thinking about the environmental, social and economic challenges and opportunities related to energy use, development, and planning for our energy future.

A series of expert guests, interactive workshops, hands-on activities, and reflection exercises enabled both students and teachers to connect their learning back to their classrooms and communities.

“You’ve **empowered** our youth to reach goals they never thought possible and the skills to be lifelong **stewards.**”

- Alex Bernier | Teacher
St. Paul Regional High School, St. Paul



IDEA GENERATORS

Over 45 diverse energy and climate stakeholders shared their knowledge and unique perspectives to inform and inspire ideas and conversation from these young leaders.

Each 'Idea Generator' contributed valuable perspective and understanding that helped lead the conversations that shaped the student's energy education journey. Youth summits provide a rare opportunity for program partners, experts, teachers, and students to forge lasting connections by sharing ideas, expertise, and experiences.

A full list of "Idea Generators" can be found at www.gener8.ca/summit-program/program-and-speakers/



Organizations represented include:

| | |
|---------------------------------------|--|
| Alberta Capital Airshed | ConocoPhillips |
| Alberta Environment and Parks | Energy Efficiency Alberta |
| Alberta Innovates | Energy Futures Lab |
| Alberta WaterSmart | ENMAX |
| All One Sky Foundation | Indian Resource Council |
| AltaLink | Municipal Climate Change Action Centre |
| Aspenleaf Energy Ltd. | Pembina Institute |
| Biosphere Institute of the Bow Valley | Pembina Pipelines |
| Canadian Wind Energy Association | Repsol |
| Cenovus Energy Inc. | Tesla Owners Club of Alberta |
| Chevron Canada Ltd. | TransCanada |
| City of Calgary | University of Alberta |



YOUTH INSPIRING YOUTH

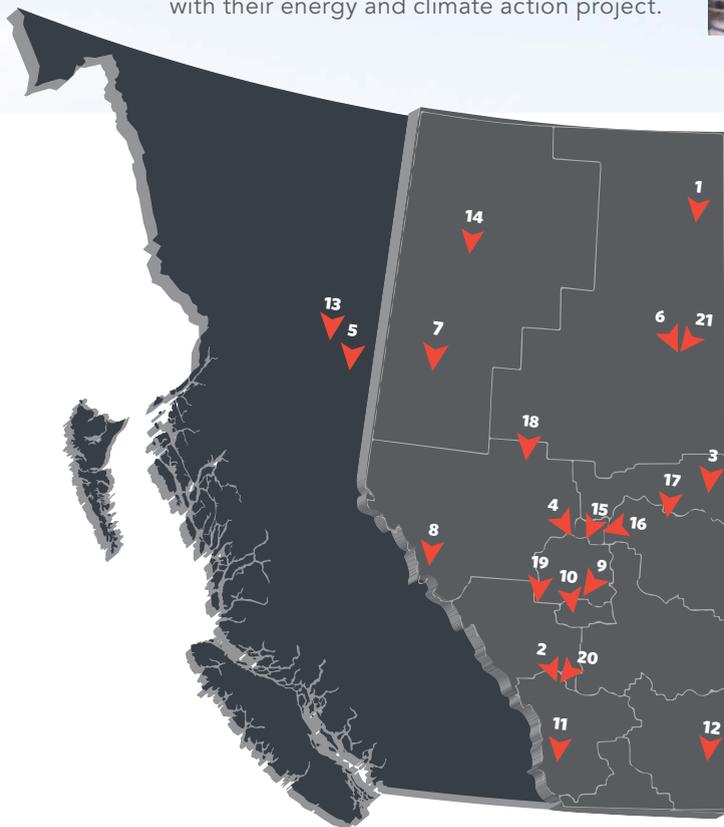
A Generate 2019 highlight was the Young Leaders session - three passionate young energy leaders shared how they've made an impact in our energy and climate landscape demonstrating the critical role our youth play in our energy landscape.

Disa Crow Chief - Sevengen 2019 Youth Summit
Rachel Pawliuk - Robert Thirsk High School
Elizabeth Gierl - University of Alberta Solar Car Team

THE PARTICIPANTS

Inside Education welcomed **21 teams** from across Alberta and Northeastern British Columbia. Each team consisted of four high school student leaders and two dedicated teachers for a total of 126 energy and climate delegates.

There was high demand to participate in Generate 2019 as evidenced by over **50 applications**. Teams were selected based on their ideas and eagerness to apply their learning back in their schools and communities with their energy and climate action project.



- Athabasca Delta Community School** | Fort Chipewyan
- Career and Technology Centre** | Calgary
- Cold Lake High School** | Cold Lake
- Connections For Learning Y(our) Program** | Stony Plain
- Dawson Creek Secondary School** | Dawson Creek
- École McTavish High School** | Fort McMurray
- Fairview High School** | Fairview
- Jasper Junior/Senior High School** | Jasper
- Lacombe Composite High School** | Lacombe
- Lindsay Thurber High School** | Red Deer
- Matthew Halton High School** | Pincher Creek
- Medicine Hat High School** | Medicine Hat
- North Peace Secondary School** | Fort St. John
- Paddle Prairie School** | Paddle Prairie
- Ross Sheppard High School** | Edmonton
- St. André Bessette Catholic School** | Fort Saskatchewan
- St. Paul Regional High School** | St. Paul
- Swan Hills School** | Swan Hills
- West Central High School** | Rocky Mountain House
- Western Canada High School** | Calgary
- Westwood Community High School** | Fort McMurray

THE IMPACT

At the core of the Summit are the energy and climate action plans with the ultimate goal being that each team applies their knowledge, perspective, and tools gained at Generate 2019 to leave a lasting impact within their schools and communities.

“Thank you for providing a unique and meaningful way for students to learn about issues important to them and network with like-minded individuals.”

- Lucy | Student
North Peace Secondary School, Dawson Creek

WE ARE PROUD TO SHARE A SMALL SAMPLE OF SOME OF THE INSPIRING ACTION PLANS CREATED AT GENERATE 2019.

COLD LAKE HIGH SCHOOL

Cold Lake, AB

The school has begun a campaign to get hand dryers in their school to replace paper towels - they are raising money for the dryers, and presenting their case to potential sponsors and the school board.

JASPER JUNIOR/SENIOR HIGH SCHOOL

Jasper, AB

The students are working on a project to convert cooking oil from local restaurants into biodiesel to fuel the school's two uses.

PADDLE PRAIRIE SCHOOL

Paddle Prairie, AB

The school is starting a clean energy initiative in their community, with hopes to install and maintain solar panels on community buildings.

All delegates were asked to fill out a post-Generate survey, and the following are some of the impacts.

77%

of respondents state they have a deeper understanding of energy and climate

85%

of respondents state they are excited to learn more about energy and climate change

70%

of respondents state they will consider different perspectives on energy and climate now

THE FUTURE

The Generate 2019 approach exemplifies how Inside Education creates meaningful and lasting connections to our environment. Through our unique approach to education and our full suite of programs and resources, we make these connections possible for thousands of students and teachers across Western Canada each year.

With this in mind, planning is already underway for an exciting new youth summit experience



Cultivate
Youth Agriculture Summit
March 2020.

We also have a series of regional youth summits that examine local energy and climate initiatives:



Wood Buffalo Student Sustainability Summit

- November 2019

Calgary Climate Change Summit

- November 2019

Southern Alberta Awareness to Action Summit

- December 2019

Edmonton Energy Efficiency Summit

- December 2019

OUR PARTNERS

Inside Education extends its sincere appreciation to the program partners whose support made **Generate 2019** possible. By pairing each participating school with one of the partnering organizations, Inside Education aims to make a meaningful connection and encourage collaboration between schools and organizations who are committed to advancing environmental education.



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