



Calgary Climate Change Summit 2018



November 14 & 15, 2018



The Calgary Climate Change Summit (C3) was the second of Inside Education's four regional summits this fall. C3 2018 took place in Calgary on November 14th and 15th, and allowed students from the Calgary area to explore climate change and sustainability topics in their own backyard.

Inside Education's series of regional summits began in Edmonton with E3 in 2012. In 2016, C3 was added and quickly followed by S3 in Wood Buffalo in 2017. New this year was the Southern Alberta Awareness to Action (A3), which took place in Medicine Hat this past December.

The regional summits allow students to examine local sustainability and energy efficiency initiatives. Local climate change related topics are also examined, which are then tied into the Alberta climate change story. Having these summits take place in multiple regions of the province allows Inside Education to

reach a wide range of students and examine the local topics that need to be addressed as youth develop their sense of stewardship for their communities and the environment.

Students and teachers from 9 different schools in the Calgary area had the opportunity to explore the sustainability initiatives at a few different locations throughout the city, learn about local climate adaptation strategies, and discuss big climate change related topics with local experts from various fields.

Inside Education believes that these experiences are paramount for students to feel connected to their community, and be empowered to take steps towards sustainability and environmental stewardship in their own lives and communities.

“Thank you for supporting Inside Education as our students have a reliable and competent source for their Climate Change lessons.” - C3 Teacher





C3 PARTICIPANTS

9 SCHOOLS

68 STUDENTS

15 TEACHERS



Ian Bazalgette School



St. Joseph School



Foothills Academy Society



Griffith Woods School



Siksika Nation High School



John Ware School



Colonel Irvine Junior High School



Clarence Sansom School

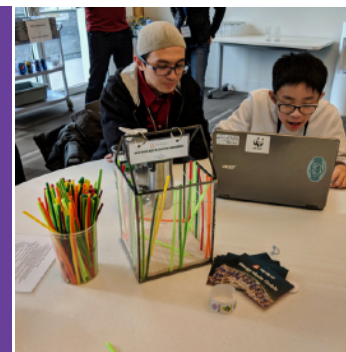


MidSun School



TWO UNFORGETTABLE DAYS

**“Program was great and the hands on experiences were phenomenal”
- C3 Teacher**



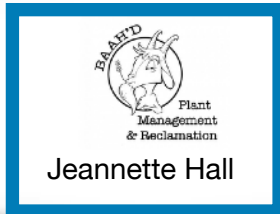
PROGRAM PARTNERS & SPECIAL THANKS



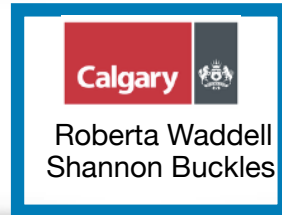
Inside Education would like to extend a huge thank you to our program partners, Alberta Ecotrust, the Government of Alberta, Alberta Real Estate Foundation, Altalink, Calgary Foundation, Cenovus Energy, Energy Efficiency Alberta, ENMAX, GM Canada and Ted Rogers Community Grants for supporting the Calgary Climate Change Summit.



Through your generous support, we were able to create a fantastic two day program with a variety of speakers, unique tours, and “Agents of Change” to inspire our



student participants. We are honoured to have shared the podium with such a passionate group of people and organizations who are actively working to address climate change

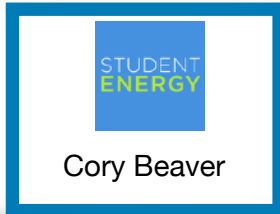


issues and create an Alberta for tomorrow.

We would also like to thank all



of our speakers, tour guides, experts, and fellow educators who volunteered



their time and expertise to help make the program a success. This two day event will transcend individual experience as students will pass on the knowledge they gained at C3 to



their families, communities, and peer networks.

C3 PROGRAM OVERVIEW

Day 1 of the program kicked off with a backgrounder about sustainability, climate change, and how this connects to us in Calgary. Our guest speakers included Claire Beckstead from the City of Calgary, Craig

Stenhouse from Cenovus Energy, and Kristina Miller from the University of Calgary. Our knowledgeable guests spoke on a variety of topics including climate change initiatives within our city, how Cenovus is working to combat climate change through their leadership in technology and innovations, as well as some of the issues surrounding a changing climate that will directly impact such as melting glaciers and local water resources.

Students were extremely excited about a visit from a very special guest, Alberta Environment and Parks

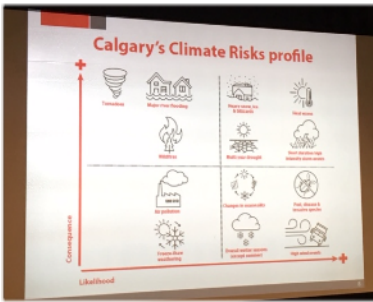
Minister Shannon Phillips, who took time out of her busy schedule to attend C3 and answer some excellent student-generated questions! After spending the morning high above the city looking out over the beautiful Bow River watershed, students headed down to street level to Brookfield Place to visit the *Herald/Harbinger* public art piece. Here they listened to the live audio feed from the melting Bow glacier and reflected on the connection between downtown Calgary, glaciers, and our changing climate.

In the afternoon, students hopped aboard a bus bound for either the SAIT Green Building Technologies Lab or the Solar project at Southland Leisure Centre. These tours provided students with a front-and-centre view of some of the different renewable energy technologies that exist in our city.

Day 2 kicked off with an engaging presentation from our keynote speaker, David Dodge. Following this,

students split into two groups to visit the Calgary recycling facility, as well as tour the Ralph Klein Environmental Learning Centre and hear about the benefits of target browsing in our local parks.

After a delicious lunch, students met and discussed “big questions” during *The Building Blocks of Sustainability* session with local experts and organizations from the Calgary area. The grand finale of the program featured three youth speakers from the Calgary area who came to share their sustainability success stories with the C3 students and inspire them to pursue their ideas and initiate projects within their own schools and communities!



Please see Appendices A & B for the full program schedule as well as the list of “big questions” and student-generated ideas from *The Building Blocks of Sustainability*.

C3 PROGRAM FEEDBACK

At the end of Day 2, we used a survey tool called 'Plickers' to ask students some questions about their experience at C3 and whether they found it to be inspiring and informative. This tool provided us with real-time, anonymous feedback about the student experience at C3, which was overwhelmingly positive! Here are the results:



Would you come to C3 again next year?

83% of students said YES!

**A3 C3
E3 S3**

Do you know more about climate change, sustainability, and energy efficiency now than you did 2 days ago?

72% of students said YES!



Do you feel inspired to take action on climate change after attending C3?

66% of students said YES!

(another 28% said "I'm still digesting this info")



**"Great experience for me and my students, we came back motivated to make a difference in our school and community."
- C3 Teacher**



C3 PROGRAM EVALUATION

At the end of C3, participants headed back to their schools ready to take on climate change, rethink their every day behaviours, and turn ideas into action! After reflecting for a few days on their C3 experience, we asked both teachers and students to complete a post-program survey to help us improve upon our program and understand any challenges that we faced this year.

The results have been positive!

Overall, both student and teacher respondents felt more empowered to get involved in sustainability or climate change initiatives in their communities after participating in the program. Touring interesting initiatives within the community was the aspect of the program that respondents indicated they enjoyed the most. Some of our constructive feedback involved spending less time on day one seated in the auditorium and more time up and moving about. This is one aspect of the program that the organizing team at Inside Education had already identified as an area for improvement.

Inside Education marks our third annual C3 Youth Summit as a success! We were ecstatic to see such active participants, thoughtful discussions, and commitment to climate change initiatives. Inside Education will build on the success of past C3 summits by continuing to support junior and senior high schools in the Calgary area. We are looking forward to another successful C3 in 2019!

SUCCESSSES

- High number of applications for C3 2018.
- Involving multiple new schools, students, and teachers with Inside Education programs.
- Connecting schools with local organizations and experts who can help put ideas into action.
- An opportunity for students to visit with Minister

NEXT STEPS

- Liaise with schools as they work on projects
- Support participant schools with information and access to experts, project grants, etc.
- Prepare for C3 2019!!



For further information, please contact:
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Appendix A: C3 Program Schedule

Wed Nov 14, Start: 9:00 AM at The Bow Building	Thurs Nov 15, Start: 9:00 AM at Ralph Klein Park
<p>Program Welcome and Introduction to Energy, Climate and Sustainability How are energy, climate change and sustainability connected? What does that mean to you and your community?</p>	<p>Morning Keynote David Dodge Host/Producer of Green Energy Futures, Chair of the Board for Energy Efficiency Alberta</p>
<p>Alberta Context Claire Beckstead Sustainability Consultant, The City of Calgary Hear about how your community fits into the larger climate conversation.</p>	<p>Energy & Climate Innovation Tour 2 Check out the sustainable features of Ralph Klein Park Environmental Education Centre and learn about the City of Calgary's target grazing program with special guest Jeanette Hall from BAAH'D</p>
<p>Cenovus & Climate Change Initiatives Craig Stenhouse Who is Cenovus? Why does an oil sands company care about climate change? What are they doing about it?</p>	<p>Energy & Climate Innovation Tour 3 Michelle Dias Hear all about the successes and challenges of the recycling and composting programs with an insiders look at the City of Calgary Recycling Facility</p>
<p>Glaciers & Climate Change Part I Hear from doctoral student Kristina Miller about her research on climate change and the Haig Glacier in Kananaskis.</p>	<p>Lunch & Learn Ralph Klein Park</p>
<p>Lunch & Learn Lunch provided by Cenovus</p>	<p>Building Blocks of Sustainability Roundtable Workshop Work with local experts and your peers to determine the pieces that need to come together to build a sustainable community.</p>
<p>Glaciers & Climate Change Part II Engage your senses at the public art piece <i>Herald/Harbinger</i> at Brookfield Place and reflect on how glaciers, climate change, and downtown Calgary are all connected.</p>	
<p>Energy & Climate Innovation Tour 1 Hop aboard a bus for a tour of exciting sustainable energy and climate initiatives in your community. Tour A: Southland Leisure Centre solar PV project & presentation from Jason G at ENMAX Tour B: SAIT Green Building Technologies Lab</p>	<p>Youth Leadership Showcase Cory Beaver & Diana Kurila Be inspired by young leaders that will share their stories of making a difference.</p>
<p>Program End: 3:30 PM</p>	<p>Program End: 3:30 PM</p>

Appendix B: Questions & Ideas from “The Building Blocks of Sustainability”

Question 1: What changes, if any, could be done in our transportation systems to improve local air quality? Agent of Change: Diana Kurila, [Students on Sustainability](#)

Student ideas:

- More electric/solar transportation- provide more resources for using them
- Getting paid for biking, walking, carpooling.
- Automatic engine shut off at traffic lights
- Wind powered cars!
- Readily available public transit.

Question 2: What actions can we take to prevent and adapt to the way that climate change will affect water resources in Calgary? Agents of Change: Shannon Buckles & Roberta Waddell, [City of Calgary](#)

Student ideas:

- Use less water when showering
- Rain barrels
- More storm water ponds
- Prepare people for the aftermath of storms
- Water storage options for times of drought

Question 3: How can we make our communities more wildlife friendly? Agent of Change: Nick Butt, [Students on Sustainability](#)

Student ideas:

- Pick up garbage
- Protection programs
- Use fewer resources
- Open more urban parks like Fish Creek
- Limit hunting & provide more hunting education
- Create more public awareness

Question 4: Why should sustainability be considered a humanitarian movement and not just environmental? Agent of Change: Brianna Loughlin, [Plastic-Free YYC](#)

Student ideas:

- Education! We need to start this in the curriculum- new lessons
- It's going to affect everyone in the end
- We are a part of the environment, not apart from it.
- We need to take responsibility for our waste.
- Healthy humans NEED healthy environments

Question 5: How do we know that our sustainability actions matter? Agent of Change: Jon Alcock, [Viresco Solutions](#)

Student ideas:

- Trust
- Using resources that don't run out- easily replenished, biodegradable, environmentally friendly
- Local products>other products
- Being mindful of what we buy
- Seeing results!

Question 6: How can we help to enhance and protect native species in our city, while still keeping our land and waterways healthy? Agent of Change: Jeannette Hall, [BAAH'D Plant Management](#)

Student ideas:

- Soil samples
- Enhancing habitat
- Encourage people to catch/remove invasive species
- Goats!

Question 7: Feeding a growing population is a global issue, what does this mean for southern Alberta and local food security? Agent of Change: Grant Lahring, [Deepwater Farms](#)

Student ideas:

- Floating farms
- Buy locally
- Grow your own food
- Grow food with high calories
- Vertical farming

Question 8: What can students do to affect positive change in their schools and communities with respect to sustainability? Agent of Change: Olena Olafson, [Calgary Board of Education](#)

Student ideas:

- Computerized agendas, not paper
- Present what we learned at C3- share info with others
- Have compost bins
- Use less of everything- reduce
- Reuse
- Pep rally to cheer each other on- respect and motivate each other

Question 9: How can the oil and gas sector be an important piece of Calgary's sustainability story? Agent of Change: Patrick Duke, [Students on Sustainability](#)

Student ideas:

- Phasing it out/Transitioning to renewables
- Oil companies could donate some of their income to climate change research
- Oil and gas are important for transporting basic needs like food, materials to build with

- Inspire youth
- Education about what they do/are doing

Question 10: What is the role of renewable energy (wind/solar/biomass/geothermal) in Southern Alberta? Agents of Change: Kimberley Dykes & Devin Beaton, [Nutana Power](#)

Student ideas:

- Southern AB is very sunny and windy- great place to develop more efficient technology
- Using renewable energy helps reduce waste
- Wind isn't reliable ALL the time
- Once solar/wind becomes almost as reliable/higher performing, people will feel encouraged to pick it.
- You can't take renewable energy away from anyone.

Table 11 was the MyHEAT Alberta station where we looked at how much heat was escaping our homes. Available at: <https://myheat.ca/>